

Supplementary 1

ENSEMBL	SYMBOL	GENENAME	ENTREZID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	sig
ENSG00000231535	LINC00278	long intergenic non-protein coding RNA 278	100873962	52.21160115	-9.173523156	1.505461673	-6.093494987	1.10E-09	2.61E-06	FDR<0.05
ENSG00000214039	LINC02418	long intergenic non-protein coding RNA 2418	100190940	61.80662928	-8.451299663	2.011816555	-4.200830162	2.66E-05	0.012546957	FDR<0.05
ENSG00000229236	TTY10	testis-specific transcript, Y-linked 10 (non-protein coding)	246119	20.83516828	-7.847888075	1.541554466	-5.090892504	3.56E-07	0.000420353	FDR<0.05
ENSG00000260197	NA	NA	NA	18.88723465	-7.704377649	1.686465162	-4.568358613	4.92E-06	0.003865288	FDR<0.05
ENSG00000223414	LINC00473	long intergenic non-protein coding RNA 473	90632	876.8246309	-6.836787401	1.90217928	-3.594186665	0.000325406	0.109661987	Not Sig
ENSG00000258548	LINC00645	long intergenic non-protein coding RNA 645	100505967	7.821773737	-6.435025954	2.361743526	-2.724692958	0.006436131	0.700480581	Not Sig
ENSG00000235056	NA	NA	NA	5.031948181	-5.79966191	2.453845788	-2.363498937	0.018103279	0.998677884	Not Sig
ENSG00000266869	NA	NA	NA	8.887797128	-5.634027754	2.207966895	-2.551681263	0.010720454	0.853009137	Not Sig
ENSG00000230663	NA	NA	NA	3.952691937	-5.441137035	2.000584887	-2.719773138	0.006532672	0.700480581	Not Sig
ENSG00000267804	NA	NA	NA	3.004644154	-5.058036206	2.101596771	-2.406758649	0.016094802	0.978832402	Not Sig
ENSG00000229459	NA	NA	NA	2.571624303	-4.838468517	2.252263111	-2.148269664	0.031692339	0.998677884	Not Sig
ENSG00000232324	NA	NA	NA	5.11656178	-4.807552731	1.97305515	-2.436603321	0.014825933	0.978832402	Not Sig
ENSG00000204625	HCG9	HLA complex group 9 (non-protein coding)	10255	2.380426326	-4.723257756	2.118277167	-2.229763805	0.025763127	0.998677884	Not Sig
ENSG00000214803	LOC101927588	uncharacterized LOC101927588	101927588	2.374443359	-4.721933132	2.718528584	-1.736944449	0.082396977	0.998677884	Not Sig
ENSG00000272304	NA	NA	NA	18.53833215	-4.676680197	1.870356206	-2.50042221	0.012404537	0.914446978	Not Sig
ENSG00000132204	NA	NA	NA	22.91776845	-4.656101332	1.563766906	-2.977490643	0.002906185	0.489692198	Not Sig
ENSG00000225490	NA	NA	NA	8.294497592	-4.644250081	1.536547832	-3.022522295	0.002506776	0.475349657	Not Sig
ENSG00000224000	NA	NA	NA	2.056907615	-4.504441954	2.775211643	-1.623098536	0.104568343	0.998677884	Not Sig
ENSG00000237726	NA	NA	NA	4.133238687	-4.491177863	2.26848184	-1.979816538	0.047724147	0.998677884	Not Sig
ENSG00000226673	LINC01108	long intergenic non-protein coding RNA 1108	102216342	1.998520155	-4.471845535	2.754089636	-1.623710963	0.10443751	0.998677884	Not Sig
ENSG00000225689	NA	NA	NA	3.698126995	-4.333022349	1.893774316	-2.288035229	0.02213547	0.998677884	Not Sig
ENSG00000237087	NA	NA	NA	1.817177582	-4.320541258	2.849671435	-1.51615418	0.129480371	0.998677884	Not Sig
ENSG00000226816	NA	NA	NA	13.0543435	-4.305818554	1.564143206	-2.752828856	0.005908277	0.696881316	Not Sig
ENSG00000233215	LINC01687	long intergenic non-protein coding RNA 1687	101927843	25.01593479	-4.204422157	2.198997859	-1.911971919	0.055879796	0.998677884	Not Sig
ENSG00000232164	LINC01873	long intergenic non-protein coding RNA 1873	729348	1.614013672	-4.158651614	2.913197908	-1.427521145	0.153429735	0.998677884	Not Sig
ENSG00000251538	LINC02201	long intergenic non-protein coding RNA 2201	101927379	1.547862649	-4.103312419	2.930878706	-1.400028057	0.161504917	0.998677884	Not Sig
ENSG00000247844	NA	NA	NA	6.127073673	-4.007177063	2.220278639	-1.804808186	0.071104703	0.998677884	Not Sig
ENSG00000223486	NA	NA	NA	2.948862212	-3.978448288	1.888847121	-2.106283904	0.035179699	0.998677884	Not Sig
ENSG00000272312	NA	NA	NA	2.916676999	-3.972910899	1.928755227	-2.059831566	0.039414646	0.998677884	Not Sig
ENSG00000235538	NA	NA	NA	1.376883952	-3.935872223	2.987146347	-1.317602744	0.187636667	0.998677884	Not Sig
ENSG00000236924	NA	NA	NA	4.988334604	-3.885685395	1.754686164	-2.214461751	0.026797031	0.998677884	Not Sig
ENSG00000248753	NA	NA	NA	2.727661023	-3.853586923	2.355313222	-1.636125033	0.101813422	0.998677884	Not Sig
ENSG00000261650	NA	NA	NA	1.270765466	-3.815408518	3.096863027	-1.232023659	0.217940246	0.998677884	Not Sig
ENSG00000271830	NA	NA	NA	1.270765466	-3.815408518	3.096863027	-1.232023659	0.217940246	0.998677884	Not Sig

ENSG00000260976	LINC01633	long intergenic non-protein coding RNA 1633	101929069	1.278039244	-3.810636685	3.114175344	-1.223642301	0.221087195	0.998677884	Not Sig
ENSG00000260877	NA	NA	NA	8.022368247	-3.787434747	2.190510154	-1.729019489	0.083805607	0.998677884	Not Sig
ENSG00000260430	NA	NA	NA	9.969582698	-3.733758263	1.691781772	-2.206997572	0.027314229	0.998677884	Not Sig
ENSG00000236452	NA	NA	NA	4.326181569	-3.677114795	2.000122254	-1.838445019	0.065996857	0.998677884	Not Sig
ENSG00000214145	LINC00887	long intergenic non-protein coding RNA 887	100131551	22.94782653	-3.587259181	1.605769135	-2.233981898	0.025484264	0.998677884	Not Sig
ENSG00000233214	NA	NA	NA	1.072293709	-3.575790331	3.189435416	-1.121135832	0.262230048	0.998677884	Not Sig
ENSG00000260523	NA	NA	NA	1.067111771	-3.552750735	3.226817689	-1.10100758	0.270893358	0.998677884	Not Sig
ENSG00000236268	LINC01361	long intergenic non-protein coding RNA 1361	101927498	4.274238064	-3.549390092	1.838732171	-1.930346435	0.053563927	0.998677884	Not Sig
ENSG00000242147	LOC105376382	uncharacterized LOC105376382	105376382	4.051977255	-3.54870371	1.787059192	-1.985778493	0.047057925	0.998677884	Not Sig
ENSG00000228420	NA	NA	NA	2.222017398	-3.536826971	2.470530091	-1.431606514	0.152256464	0.998677884	Not Sig
ENSG00000248473	LINC01962	long intergenic non-protein coding RNA 1962	102577426	1.042200337	-3.517149219	2.666176508	-1.319173434	0.187111138	0.998677884	Not Sig
ENSG00000255325	NA	NA	NA	2.117589348	-3.469652744	2.441239345	-1.421266928	0.155239174	0.998677884	Not Sig
ENSG00000253270	NA	NA	NA	3.792750698	-3.459054173	2.23649238	-1.546642503	0.121949475	0.998677884	Not Sig
ENSG00000267696	NA	NA	NA	0.978630939	-3.435972296	3.300415312	-1.041072705	0.297841806	0.998677884	Not Sig
ENSG00000230991	NA	NA	NA	2.055712167	-3.393792197	2.513587412	-1.350178705	0.176958667	0.998677884	Not Sig
ENSG00000267649	NA	NA	NA	3.635071273	-3.389484456	1.753700974	-1.932760776	0.053265674	0.998677884	Not Sig
ENSG00000267421	LOC101928982	uncharacterized LOC101928982	101928982	0.938682163	-3.381781604	3.399867517	-0.994680406	0.319891727	0.998677884	Not Sig
ENSG00000242553	NA	NA	NA	0.947246755	-3.374442116	3.415897679	-0.987863933	0.323219291	0.998677884	Not Sig
ENSG00000145063	FLJ33534	uncharacterized LOC285150	285150	0.927517259	-3.364451511	3.408191639	-0.987166177	0.32356118	0.998677884	Not Sig
ENSG00000226007	NA	NA	NA	3.946136047	-3.359853281	1.803714251	-1.862741439	0.062498653	0.998677884	Not Sig
ENSG00000224559	LINC01087	long intergenic non-protein coding RNA 1087	101927994	0.934791038	-3.356201292	3.425207575	-0.979853401	0.327158488	0.998677884	Not Sig
ENSG00000249815	NA	NA	NA	0.934791038	-3.356201292	3.425207575	-0.979853401	0.327158488	0.998677884	Not Sig
ENSG00000232721	NA	NA	NA	5.761716778	-3.350212673	1.894330432	-1.768547143	0.076969478	0.998677884	Not Sig
ENSG00000248359	NA	NA	NA	0.913770729	-3.346046455	3.331811144	-1.004272545	0.315247264	0.998677884	Not Sig
ENSG00000249395	NA	NA	NA	193.9333224	-3.333776492	1.950207576	-1.709447001	0.087368181	0.998677884	Not Sig
ENSG00000231483	NA	NA	NA	19.58594272	-3.309173749	1.38123008	-2.395816451	0.016583392	0.978832402	Not Sig
ENSG00000261411	NA	NA	NA	0.888859295	-3.308417084	3.439448721	-0.961903303	0.336098179	0.998677884	Not Sig
ENSG00000267316	NA	NA	NA	1.918717968	-3.306909299	2.093728164	-1.579435839	0.114236122	0.998677884	Not Sig
ENSG00000272279	NA	NA	NA	3.764793474	-3.278233059	1.742357939	-1.881492307	0.059904981	0.998677884	Not Sig
ENSG00000234423	LINC01250	long intergenic non-protein coding RNA 1250	101927554	0.869930827	-3.25998147	3.417481469	-0.95391343	0.340127465	0.998677884	Not Sig
ENSG00000237772	NA	NA	NA	0.869930827	-3.25998147	3.417481469	-0.95391343	0.340127465	0.998677884	Not Sig
ENSG00000261161	NA	NA	NA	0.869930827	-3.25998147	3.417481469	-0.95391343	0.340127465	0.998677884	Not Sig
ENSG00000269877	NA	NA	NA	0.869930827	-3.25998147	3.417481469	-0.95391343	0.340127465	0.998677884	Not Sig
ENSG00000262745	NA	NA	NA	3.259595327	-3.21659132	2.324915234	-1.383530579	0.166502238	0.998677884	Not Sig
ENSG00000246774	NA	NA	NA	0.832563676	-3.200419467	3.451023902	-0.927382585	0.353727929	0.998677884	Not Sig

ENSG00000243081	NA	NA	NA	42.16643838	-3.178440366	1.593797315	-1.994256318	0.04612405	0.998677884	Not Sig
ENSG00000260646	NA	NA	NA	1.74966268	-3.163972364	2.121028584	-1.491716042	0.135773602	0.998677884	Not Sig
ENSG00000269524	NA	NA	NA	1.716186654	-3.158872678	2.124643542	-1.486777718	0.137073528	0.998677884	Not Sig
ENSG00000250103	PANCR	PITX2 adjacent non-coding RNA	110231149	0.781449996	-3.116368907	3.562757417	-0.874707016	0.381733342	0.998677884	Not Sig
ENSG00000269246	NA	NA	NA	0.781449996	-3.116368907	3.562757417	-0.874707016	0.381733342	0.998677884	Not Sig
ENSG00000229961	NA	NA	NA	0.780159183	-3.115658191	3.564361205	-0.874114045	0.38205615	0.998677884	Not Sig
ENSG00000257083	LOC102724421	uncharacterized LOC102724421	102724421	6.425907274	-3.092301499	1.857332181	-1.664915695	0.095929576	0.998677884	Not Sig
ENSG00000255983	NA	NA	NA	21.85278667	-3.080958984	1.618596056	-1.903476147	0.056978443	0.998677884	Not Sig
ENSG00000224865	LOC101928782	uncharacterized LOC101928782	101928782	3.188920582	-3.079410876	2.051809238	-1.500827085	0.133400291	0.998677884	Not Sig
ENSG00000225656	NA	NA	NA	1.601672008	-3.016427281	2.149640157	-1.403224289	0.160549967	0.998677884	Not Sig
ENSG00000236963	NA	NA	NA	0.737610094	-3.014516207	3.640662054	-0.828013192	0.407663029	0.998677884	Not Sig
ENSG00000238107	NA	NA	NA	0.737610094	-3.014516207	3.640662054	-0.828013192	0.407663029	0.998677884	Not Sig
ENSG00000240045	DWOLF	DWARF open reading frame	100507537	0.737610094	-3.014516207	3.640662054	-0.828013192	0.407663029	0.998677884	Not Sig
ENSG00000249100	NA	NA	NA	1.610236599	-3.003851433	2.551766303	-1.17716557	0.239129428	0.998677884	Not Sig
ENSG00000259887	LOC105369971	uncharacterized LOC105369971	105369971	10.41102269	-2.980476753	1.41293805	-2.109417857	0.034908529	0.998677884	Not Sig
ENSG00000260364	NA	NA	NA	0.711407847	-2.966683006	3.62878871	-0.81754085	0.413619415	0.998677884	Not Sig
ENSG00000272180	NA	NA	NA	1.540026019	-2.964403334	2.196692748	-1.349484737	0.17718132	0.998677884	Not Sig
ENSG00000230647	NA	NA	NA	0.69895213	-2.938944819	3.005703783	-0.977789241	0.328178574	0.998677884	Not Sig
ENSG00000254699	NA	NA	NA	0.69895213	-2.938944819	3.005703783	-0.977789241	0.328178574	0.998677884	Not Sig
ENSG00000262198	NA	NA	NA	2.714026765	-2.935791089	1.997287891	-1.469888794	0.141591875	0.998677884	Not Sig
ENSG00000272088	NA	NA	NA	4.039234186	-2.922190273	1.920958294	-1.521214844	0.128205931	0.998677884	Not Sig
ENSG00000239216	NA	NA	NA	0.686496413	-2.91838676	3.660618141	-0.797238785	0.425312365	0.998677884	Not Sig
ENSG00000244214	NA	NA	NA	0.686496413	-2.91838676	3.660618141	-0.797238785	0.425312365	0.998677884	Not Sig
ENSG00000228789	HCG22	HLA complex group 22 (gene/pseudogene)	285834	1.473642024	-2.90598405	2.156377822	-1.347622861	0.177779714	0.998677884	Not Sig
ENSG00000203496	NA	NA	NA	0.672749884	-2.893028285	3.722865964	-0.777097084	0.437101494	0.998677884	Not Sig
ENSG00000249998	NA	NA	NA	0.672749884	-2.893028285	3.722865964	-0.777097084	0.437101494	0.998677884	Not Sig
ENSG00000259692	NA	NA	NA	47.90510803	-2.874068102	1.695149005	-1.695466353	0.089986988	0.998677884	Not Sig
ENSG00000272366	NA	NA	NA	1.457528154	-2.870288723	2.633005424	-1.090118804	0.275660814	0.998677884	Not Sig
ENSG00000236289	GACAT3	gastric cancer associated transcript 3 (non-protein coding)	104797537	3.833255678	-2.852805753	2.224392944	-1.282509801	0.199663869	0.998677884	Not Sig
ENSG00000237764	LOC101928283	uncharacterized LOC101928283	101928283	1.464169336	-2.843963444	2.62480021	-1.083497111	0.278587833	0.998677884	Not Sig
ENSG00000239921	LINC01471	long intergenic non-protein coding RNA 1471	101927149	1.397616909	-2.832742657	2.232485492	-1.268873938	0.204486029	0.998677884	Not Sig
ENSG00000234323	LINC01505	long intergenic non-protein coding RNA 1505	100996590	1.429402498	-2.828716999	2.610084549	-1.083764509	0.278469225	0.998677884	Not Sig
ENSG00000272068	NA	NA	NA	136.4801476	-2.820849019	1.384768943	-2.037053931	0.041644638	0.998677884	Not Sig
ENSG00000226370	LINC00375	long intergenic non-protein coding RNA 375	104355140	0.635382733	-2.816198125	3.776587234	-0.745699212	0.455849135	0.998677884	Not Sig
ENSG00000227463	LOC101927575	uncharacterized LOC101927575	101927575	0.635382733	-2.816198125	3.776587234	-0.745699212	0.455849135	0.998677884	Not Sig

ENSG00000253872	NA	NA	NA	5.393581029	-2.806966164	1.556961133	-1.80284922	0.071411898	0.998677884	Not Sig
ENSG00000271788	NA	NA	NA	5.149731855	-2.80057213	1.345538246	-2.081376831	0.037399428	0.998677884	Not Sig
ENSG00000249388	LOC100240734	uncharacterized LOC100240734	100240734	2.527167171	-2.800167691	2.001565678	-1.398988663	0.161816383	0.998677884	Not Sig
ENSG00000226733	NA	NA	NA	0.621636203	-2.788975223	3.798086136	-0.734310682	0.462759409	0.998677884	Not Sig
ENSG00000232451	NA	NA	NA	0.621636203	-2.788975223	3.798086136	-0.734310682	0.462759409	0.998677884	Not Sig
ENSG00000267175	NA	NA	NA	0.621636203	-2.788975223	3.798086136	-0.734310682	0.462759409	0.998677884	Not Sig
ENSG00000226383	LINC01876	long intergenic non-protein coding RNA 1876	101929378	317.7333991	-2.78764392	1.259521305	-2.213256663	0.026879956	0.998677884	Not Sig
ENSG00000260484	NA	NA	NA	0.609180486	-2.762266839	3.774653976	-0.731793392	0.464294683	0.998677884	Not Sig
ENSG00000261045	LINC02129	long intergenic non-protein coding RNA 2129	105371156	0.609180486	-2.762266839	3.774653976	-0.731793392	0.464294683	0.998677884	Not Sig
ENSG00000267643	NA	NA	NA	0.609180486	-2.762266839	3.774653976	-0.731793392	0.464294683	0.998677884	Not Sig
ENSG00000223806	LINC00114	long intergenic non-protein coding RNA 114	400866	0.596724769	-2.73457027	3.838678747	-0.712372785	0.476233964	0.998677884	Not Sig
ENSG00000272859	NA	NA	NA	1.329098546	-2.733513932	2.264397204	-1.207170689	0.227366416	0.998677884	Not Sig
ENSG00000235736	NA	NA	NA	1.315119044	-2.719890868	2.203481249	-1.234360796	0.217068491	0.998677884	Not Sig
ENSG00000254777	NA	NA	NA	29.2202864	-2.693064288	1.172733607	-2.296399005	0.021653078	0.998677884	Not Sig
ENSG00000236611	NA	NA	NA	2.314715912	-2.652378025	1.729610127	-1.533512081	0.125149732	0.998677884	Not Sig
ENSG00000253985	NA	NA	NA	1.239093929	-2.636487005	2.34369568	-1.124927194	0.260619887	0.998677884	Not Sig
ENSG00000226594	NA	NA	NA	1.239326902	-2.633007749	2.676037428	-0.983920375	0.325154665	0.998677884	Not Sig
ENSG00000269646	NA	NA	NA	2.237167013	-2.616754005	1.966594718	-1.330601563	0.183320148	0.998677884	Not Sig
ENSG00000239482	LOC105374042	uncharacterized LOC105374042	105374042	1.214415468	-2.603225084	2.654850705	-0.980554228	0.326812616	0.998677884	Not Sig
ENSG00000249731	NA	NA	NA	1.233911991	-2.602744206	2.702919672	-0.962938053	0.335578612	0.998677884	Not Sig
ENSG00000259347	NA	NA	NA	0.552884867	-2.597939984	3.959360845	-0.656151355	0.511726744	0.998677884	Not Sig
ENSG00000249699	LINC02261	long intergenic non-protein coding RNA 2261	101929199	1.200435965	-2.587614823	2.686123389	-0.963326865	0.335383515	0.998677884	Not Sig
ENSG00000232896	NA	NA	NA	0.54042915	-2.56704376	3.98364085	-0.644396384	0.519318429	0.998677884	Not Sig
ENSG00000233891	NA	NA	NA	0.54042915	-2.56704376	3.98364085	-0.644396384	0.519318429	0.998677884	Not Sig
ENSG00000253280	NA	NA	NA	0.54042915	-2.56704376	3.98364085	-0.644396384	0.519318429	0.998677884	Not Sig
ENSG00000254337	NA	NA	NA	0.54042915	-2.56704376	3.98364085	-0.644396384	0.519318429	0.998677884	Not Sig
ENSG00000273365	NA	NA	NA	1.240786146	-2.566548906	2.300124737	-1.115830314	0.264494775	0.998677884	Not Sig
ENSG00000236206	NA	NA	NA	1.18279831	-2.539670679	2.698237259	-0.94123327	0.346585331	0.998677884	Not Sig
ENSG00000248757	LINC02115	long intergenic non-protein coding RNA 2115	102467212	1.18279831	-2.539670679	2.698237259	-0.94123327	0.346585331	0.998677884	Not Sig
ENSG00000273295	NA	NA	NA	54.61104909	-2.525860142	1.9208147	-1.314994175	0.18851186	0.998677884	Not Sig
ENSG00000270169	NA	NA	NA	2.231818423	-2.5131543	1.840920393	-1.365161856	0.172202184	0.998677884	Not Sig
ENSG00000271815	NA	NA	NA	5.533843919	-2.504795564	1.215336567	-2.060989222	0.039304068	0.998677884	Not Sig
ENSG00000224235	NA	NA	NA	0.514226904	-2.50247891	3.992611176	-0.626777515	0.530805085	0.998677884	Not Sig
ENSG00000230030	NA	NA	NA	0.514226904	-2.50247891	3.992611176	-0.626777515	0.530805085	0.998677884	Not Sig
ENSG00000231476	NA	NA	NA	0.514226904	-2.50247891	3.992611176	-0.626777515	0.530805085	0.998677884	Not Sig

ENSG00000260004	NA	NA	NA	0.514226904	-2.50247891	3.992611176	-0.626777515	0.530805085	0.998677884	Not Sig
ENSG00000272431	NA	NA	NA	0.514226904	-2.50247891	3.992611176	-0.626777515	0.530805085	0.998677884	Not Sig
ENSG00000244649	NA	NA	NA	5.651044082	-2.48646245	1.527741073	-1.627541796	0.103622079	0.998677884	Not Sig
ENSG00000272537	NA	NA	NA	1.130393817	-2.475356889	2.383721906	-1.038441977	0.299064335	0.998677884	Not Sig
ENSG00000249734	LINC02236	long intergenic non-protein coding RNA 2236	109729133	1.13168463	-2.474450098	2.72996053	-0.906405082	0.364721484	0.998677884	Not Sig
ENSG00000237128	LOC105376468	uncharacterized LOC105376468	105376468	0.501771187	-2.468575978	3.317443362	-0.744120007	0.456803876	0.998677884	Not Sig
ENSG00000264015	NA	NA	NA	1.119461885	-2.459730563	2.324283943	-1.058274558	0.289930288	0.998677884	Not Sig
ENSG00000258414	NA	NA	NA	9.399977027	-2.458683289	1.611882647	-1.525348817	0.127172118	0.998677884	Not Sig
ENSG00000230876	LINC00486	long intergenic non-protein coding RNA 486	285045	0.48931547	-2.436109913	3.996601574	-0.609545352	0.542163022	0.998677884	Not Sig
ENSG00000235450	NA	NA	NA	0.48931547	-2.436109913	3.996601574	-0.609545352	0.542163022	0.998677884	Not Sig
ENSG00000251331	NA	NA	NA	16.64370502	-2.424121	1.941167597	-1.248795314	0.211739948	0.998677884	Not Sig
ENSG00000245662	NA	NA	NA	1.113647351	-2.406159761	2.796650079	-0.860372121	0.389583949	0.998677884	Not Sig
ENSG00000251031	NA	NA	NA	1.133376846	-2.404909553	2.814377166	-0.854508622	0.392823234	0.998677884	Not Sig
ENSG00000203729	LINC00272	long intergenic non-protein coding RNA 272	388719	1.981556083	-2.395667733	2.506444466	-0.955803237	0.339171653	0.998677884	Not Sig
ENSG00000231678	NA	NA	NA	1.087844728	-2.3874327	2.837270079	-0.841454156	0.400093557	0.998677884	Not Sig
ENSG00000258976	NA	NA	NA	2.266753693	-2.385538653	2.479821748	-0.96197989	0.336059706	0.998677884	Not Sig
ENSG00000253652	NA	NA	NA	0.463113223	-2.366602221	4.00097712	-0.591506062	0.554181395	0.998677884	Not Sig
ENSG00000257193	NA	NA	NA	0.463113223	-2.366602221	4.00097712	-0.591506062	0.554181395	0.998677884	Not Sig
ENSG00000248802	NA	NA	NA	9.503294404	-2.358474366	1.855311302	-1.271201423	0.203657001	0.998677884	Not Sig
ENSG00000267462	NA	NA	NA	1.063166266	-2.35038229	2.78443448	-0.844114777	0.398605271	0.998677884	Not Sig
ENSG00000269976	NA	NA	NA	10.72548384	-2.350380852	1.08404907	-2.168082717	0.030152394	0.998677884	Not Sig
ENSG00000261039	LINC02544	long intergenic non-protein coding RNA 2544	101929504	4.093444948	-2.336122755	1.471828171	-1.587225195	0.112461651	0.998677884	Not Sig
ENSG00000249413	NA	NA	NA	16.54213616	-2.33226004	1.819911693	-1.28152374	0.200009767	0.998677884	Not Sig
ENSG00000249021	NA	NA	NA	0.450657506	-2.331083424	4.003293609	-0.582291396	0.56037042	0.998677884	Not Sig
ENSG00000225278	NA	NA	NA	70.47193451	-2.323157709	1.098254729	-2.115317737	0.034402876	0.998677884	Not Sig
ENSG00000272662	NA	NA	NA	1.038254832	-2.313559888	2.792914314	-0.828367657	0.407462317	0.998677884	Not Sig
ENSG00000261462	NA	NA	NA	1.069807449	-2.313345939	2.773006382	-0.83423751	0.404147158	0.998677884	Not Sig
ENSG00000266821	NA	NA	NA	3.060605026	-2.307026112	1.603504514	-1.438740017	0.150224197	0.998677884	Not Sig
ENSG00000251259	NA	NA	NA	5.01380248	-2.295039291	1.259556828	-1.822100631	0.068439718	0.998677884	Not Sig
ENSG00000232680	NA	NA	NA	2.894639836	-2.293837602	1.976433368	-1.160594269	0.245806937	0.998677884	Not Sig
ENSG00000272549	LINC02538	long intergenic non-protein coding RNA 2538	401286	0.985850339	-2.237773726	2.874450922	-0.77850476	0.436271501	0.998677884	Not Sig
ENSG00000260072	NA	NA	NA	1.017402955	-2.23776191	2.853080297	-0.784331907	0.432845382	0.998677884	Not Sig
ENSG00000221571	NA	NA	NA	0.985617367	-2.237576928	2.812999617	-0.795441604	0.426356667	0.998677884	Not Sig
ENSG00000242880	NA	NA	NA	2.009894477	-2.213179035	2.041392854	-1.084151456	0.278297651	0.998677884	Not Sig
ENSG00000228792	NA	NA	NA	1.761831045	-2.200290572	1.839630469	-1.196050299	0.231676931	0.998677884	Not Sig

ENSG00000260232	NA	NA	NA	0.967580087	-2.157889001	2.872080406	-0.751333074	0.452452229	0.998677884	Not Sig
ENSG00000260262	NA	NA	NA	0.934736658	-2.15786592	2.896236759	-0.745058536	0.456236334	0.998677884	Not Sig
ENSG00000266743	NA	NA	NA	0.933212873	-2.157856308	2.897387636	-0.744759273	0.45641726	0.998677884	Not Sig
ENSG00000253658	LINC01592	long intergenic non-protein coding RNA 1592	100505718	0.934503686	-2.157724992	2.896346616	-0.744981619	0.456282832	0.998677884	Not Sig
ENSG00000267053	NA	NA	NA	5.454885286	-2.14329433	1.375706158	-1.557959393	0.119242874	0.998677884	Not Sig
ENSG00000262619	NA	NA	NA	7.832653599	-2.128691977	1.532066235	-1.389425554	0.164703384	0.998677884	Not Sig
ENSG00000259033	NA	NA	NA	0.909825224	-2.117220424	2.845511684	-0.744056134	0.456842516	0.998677884	Not Sig
ENSG00000251365	NA	NA	NA	5.345598431	-2.108623151	1.354140332	-1.557167379	0.119430751	0.998677884	Not Sig
ENSG00000272057	NA	NA	NA	5.092819006	-2.095955784	1.250840257	-1.675638254	0.093809071	0.998677884	Not Sig
ENSG00000230731	NA	NA	NA	0.928922124	-2.095676328	2.88917533	-0.7253545	0.468234579	0.998677884	Not Sig
ENSG00000225179	LINC00457	long intergenic non-protein coding RNA 457	100874179	0.897369507	-2.095312226	2.913818034	-0.719095085	0.472082336	0.998677884	Not Sig
ENSG00000230024	NA	NA	NA	0.897369507	-2.095312226	2.913818034	-0.719095085	0.472082336	0.998677884	Not Sig
ENSG00000226825	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000227244	LINC00845	long intergenic non-protein coding RNA 845	100507058	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000228718	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000229556	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000232271	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000235570	LINC00533	long intergenic non-protein coding RNA 533	387055	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000236119	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000236373	LOC101926942	uncharacterized LOC101926942	101926942	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000237756	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000238212	LINC02096	long intergenic non-protein coding RNA 2096	107984977	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000242440	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000248370	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000249199	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000249519	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000251183	LINC01861	long intergenic non-protein coding RNA 1861	105378238	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000253659	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000254038	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000254587	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000256115	LINC02443	long intergenic non-protein coding RNA 2443	101929584	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000257004	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000257294	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000260454	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000260983	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig

ENSG00000261480	GOLGA8M	golgin A8 family member M	653720	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000262395	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000267334	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000267686	NA	NA	NA	0.394361887	-2.094640699	4.020211606	-0.521027474	0.602347632	0.998677884	Not Sig
ENSG00000224638	NA	NA	NA	3.541636608	-2.094424872	1.574145341	-1.330515562	0.183348463	0.998677884	Not Sig
ENSG00000269903	NA	NA	NA	2.568073555	-2.087088479	1.650162301	-1.2647777	0.205951028	0.998677884	Not Sig
ENSG00000270482	NA	NA	NA	1.764814075	-2.071465578	2.20515325	-0.939374884	0.347538304	0.998677884	Not Sig
ENSG00000255447	NA	NA	NA	0.903119501	-2.067179837	2.941627066	-0.702733484	0.482221856	0.998677884	Not Sig
ENSG00000180422	LINC00304	long intergenic non-protein coding RNA 304	283860	10.54491676	-2.058812615	1.333449714	-1.543974695	0.122594463	0.998677884	Not Sig
ENSG00000233056	NA	NA	NA	0.892187569	-2.044940429	2.946069666	-0.69412494	0.48760386	0.998677884	Not Sig
ENSG00000223573	TINCR	TINCR ubiquitin domain containing	257000	79.28638678	-2.044176655	0.956580707	-2.136962036	0.03260108	0.998677884	Not Sig
ENSG00000249984	NA	NA	NA	1.705135802	-2.041725015	2.170313388	-0.940751242	0.346832353	0.998677884	Not Sig
ENSG00000225579	NA	NA	NA	1.840206593	-2.032121837	2.486370376	-0.817304557	0.413754403	0.998677884	Not Sig
ENSG00000263893	NA	NA	NA	3.417079438	-2.029571285	1.919972666	-1.057083427	0.290473514	0.998677884	Not Sig
ENSG00000242516	LINC00960	long intergenic non-protein coding RNA 960	401074	21.27602054	-2.027262205	1.644218266	-1.232964167	0.217589133	0.998677884	Not Sig
ENSG00000273218	NA	NA	NA	1.575582033	-2.021325281	2.140729005	-0.944222868	0.345055772	0.998677884	Not Sig
ENSG00000205611	NA	NA	NA	10.14879138	-2.016422008	1.520445593	-1.326204645	0.184771921	0.998677884	Not Sig
ENSG00000272769	NA	NA	NA	14.00887376	-2.013922689	1.410233829	-1.428077137	0.153269657	0.998677884	Not Sig
ENSG00000250986	NA	NA	NA	13.85060205	-1.993348896	1.777598333	-1.121371943	0.262129574	0.998677884	Not Sig
ENSG00000256287	LINC02398	long intergenic non-protein coding RNA 2398	100506393	40.28382728	-1.980860112	1.317021213	-1.504045716	0.132569596	0.998677884	Not Sig
ENSG00000242767	ZBTB20-AS4	ZBTB20 antisense RNA 4	100874131	1.53997164	-1.978810824	2.533546004	-0.781043968	0.434776635	0.998677884	Not Sig
ENSG00000250241	LOC101927359	uncharacterized LOC101927359	101927359	2.303729601	-1.976576029	2.346472208	-0.842360724	0.399586607	0.998677884	Not Sig
ENSG00000271324	NA	NA	NA	5.772426235	-1.975247946	1.453635641	-1.358832909	0.174199543	0.998677884	Not Sig
ENSG00000271973	NA	NA	NA	0.852005821	-1.971848291	2.528105414	-0.779970756	0.435408089	0.998677884	Not Sig
ENSG00000260460	NA	NA	NA	0.853529606	-1.971833791	2.527141586	-0.780262492	0.435236386	0.998677884	Not Sig
ENSG00000261030	NA	NA	NA	0.885082222	-1.971537727	2.50775051	-0.786177779	0.431763342	0.998677884	Not Sig
ENSG00000263494	NA	NA	NA	4.085161106	-1.963078243	1.566642576	-1.253047934	0.210188263	0.998677884	Not Sig
ENSG00000226828	LOC339529	uncharacterized LOC339529	339529	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000228215	NA	NA	NA	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000235659	NA	NA	NA	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000250497	NA	NA	NA	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000253455	LOC101929217	uncharacterized LOC101929217	101929217	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000272050	NA	NA	NA	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000273180	NA	NA	NA	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig
ENSG00000273335	NA	NA	NA	0.355703924	-1.961817636	4.030963554	-0.486687019	0.626480146	0.998677884	Not Sig

ENSG00000267013	LINC01929	long intergenic non-protein coding RNA 1929	101927229	1.756417915	-1.939768554	2.515567293	-0.771105809	0.440644218	0.998677884	Not Sig
ENSG00000229227	NA	NA	NA	0.827327359	-1.930059823	2.981178283	-0.647415096	0.517363328	0.998677884	Not Sig
ENSG00000227877	MRLN	myoregulin	100507027	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000228707	NA	NA	NA	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000233124	LINC00456	long intergenic non-protein coding RNA 456	103625683	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000248307	LINC00616	long intergenic non-protein coding RNA 616	641365	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000249306	LINC01411	long intergenic non-protein coding RNA 1411	101928176	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000259681	NA	NA	NA	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000260058	NA	NA	NA	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000260515	NA	NA	NA	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000261058	NA	NA	NA	0.343248207	-1.915193637	4.034970552	-0.474648727	0.635037369	0.998677884	Not Sig
ENSG00000273097	NA	NA	NA	3.698458846	-1.9143497	1.931050912	-0.991351232	0.321514105	0.998677884	Not Sig
ENSG00000214955	NA	NA	NA	3.204017597	-1.90595705	1.570880242	-1.213305126	0.225013184	0.998677884	Not Sig
ENSG00000259087	NA	NA	NA	20.72694782	-1.898443111	1.069583192	-1.774937308	0.075908239	0.998677884	Not Sig
ENSG00000256146	NA	NA	NA	42.47104107	-1.893403601	1.956139068	-0.967928933	0.333079863	0.998677884	Not Sig
ENSG00000237838	NA	NA	NA	3.664027091	-1.893365465	1.670438093	-1.133454435	0.257023466	0.998677884	Not Sig
ENSG00000237189	NA	NA	NA	1.571524256	-1.890660924	2.211888607	-0.854772215	0.392677263	0.998677884	Not Sig
ENSG00000260420	LINC02182	long intergenic non-protein coding RNA 2182	101928880	0.802415925	-1.88294031	2.54531777	-0.739766301	0.45944181	0.998677884	Not Sig
ENSG00000260186	NA	NA	NA	0.80089214	-1.882936193	2.546374831	-0.739457589	0.459629184	0.998677884	Not Sig
ENSG00000261586	NA	NA	NA	1.454426204	-1.881723126	2.674261767	-0.703642085	0.481655696	0.998677884	Not Sig
ENSG00000227634	LINC01714	long intergenic non-protein coding RNA 1714	102724539	3.603505263	-1.864237525	1.90414069	-0.979044004	0.327558238	0.998677884	Not Sig
ENSG00000270883	NA	NA	NA	1.458764587	-1.861121262	2.13758916	-0.870663688	0.383937811	0.998677884	Not Sig
ENSG00000270996	NA	NA	NA	0.821512824	-1.857010902	2.973733624	-0.624471165	0.532318201	0.998677884	Not Sig
ENSG00000232812	LINC01717	long intergenic non-protein coding RNA 1717	105372893	0.789960208	-1.85687091	3.003461346	-0.618243651	0.53641474	0.998677884	Not Sig
ENSG00000253505	NA	NA	NA	0.789960208	-1.85687091	3.003461346	-0.618243651	0.53641474	0.998677884	Not Sig
ENSG00000267065	LINC02080	long intergenic non-protein coding RNA 2080	101928514	1.53263332	-1.855441062	2.246261121	-0.826013077	0.408796673	0.998677884	Not Sig
ENSG00000272516	NA	NA	NA	1.629279119	-1.835108158	2.137934172	-0.858355782	0.390696036	0.998677884	Not Sig
ENSG00000261600	NA	NA	NA	7.542857653	-1.828610406	1.342097126	-1.362502289	0.173039422	0.998677884	Not Sig
ENSG00000263257	NA	NA	NA	2.259825159	-1.825518903	1.644888601	-1.109813091	0.267079577	0.998677884	Not Sig
ENSG00000250415	NA	NA	NA	1.616823402	-1.820664502	2.166617972	-0.840325579	0.400725863	0.998677884	Not Sig
ENSG00000206114	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000223863	LINC01805	long intergenic non-protein coding RNA 1805	105374774	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000225012	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000226434	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000226917	LINC01276	long intergenic non-protein coding RNA 1276	103106903	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig

ENSG00000227342	LINC00307	long intergenic non-protein coding RNA 307	266919	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000229311	LOC101927827	uncharacterized LOC101927827	101927827	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000229311	LOC105369268	uncharacterized LOC105369268	105369268	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000230262	MIRLET7DHG	MIRLET7D host gene	158257	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000230401	LINC01972	long intergenic non-protein coding RNA 1972	105374293	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000232002	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000233086	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000234535	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000235491	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000235830	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000235933	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000250105	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000250596	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000251216	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000251573	LINC02106	long intergenic non-protein coding RNA 2106	100287592	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000254366	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000254789	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000256422	LINC02552	long intergenic non-protein coding RNA 2552	102723895	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000260626	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000261265	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000261432	LINC01613	long intergenic non-protein coding RNA 1613	106146149	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000261466	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000266268	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000272121	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000272855	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000273342	NA	NA	NA	0.31704596	-1.81933062	4.043612619	-0.449927031	0.652763056	0.998677884	Not Sig
ENSG00000272010	NA	NA	NA	8.062946823	-1.812499742	1.385654502	-1.308045937	0.190857729	0.998677884	Not Sig
ENSG00000234722	LINC01287	long intergenic non-protein coding RNA 1287	103724390	0.762234176	-1.807380738	2.977276703	-0.607058368	0.543812177	0.998677884	Not Sig
ENSG00000235158	NA	NA	NA	1.624097181	-1.799283931	2.193961279	-0.820107423	0.412154871	0.998677884	Not Sig
ENSG00000236714	LINC01844	long intergenic non-protein coding RNA 1844	101926975	5.101987435	-1.795076061	1.633250561	-1.099081858	0.271732362	0.998677884	Not Sig
ENSG00000256001	NA	NA	NA	0.782854861	-1.781504492	2.997276608	-0.594374402	0.552261725	0.998677884	Not Sig
ENSG00000273293	NA	NA	NA	0.782854861	-1.781504492	2.997276608	-0.594374402	0.552261725	0.998677884	Not Sig
ENSG00000272795	NA	NA	NA	0.751302244	-1.781022661	3.029304165	-0.587931275	0.556578423	0.998677884	Not Sig
ENSG00000254396	NA	NA	NA	0.749778459	-1.780999059	3.030901969	-0.587613548	0.556791715	0.998677884	Not Sig
ENSG00000223834	NA	NA	NA	1.487502606	-1.780257078	2.339989774	-0.760796948	0.446778358	0.998677884	Not Sig

ENSG00000260895	NA	NA	NA	5.883061698	-1.780189593	1.174783453	-1.515334242	0.129687781	0.998677884	Not Sig
ENSG00000254101	LINC02055	long intergenic non-protein coding RNA 2055	107986980	6.810842754	-1.774903536	1.400929787	-1.266946818	0.205174307	0.998677884	Not Sig
ENSG00000270604	HCG17	HLA complex group 17 (non-protein coding)	414778	4.332600277	-1.774318584	1.256535041	-1.412072506	0.157928613	0.998677884	Not Sig
ENSG00000272048	NA	NA	NA	13.92346953	-1.773511131	1.02767933	-1.725743701	0.084393532	0.998677884	Not Sig
ENSG00000204603	LINC01257	long intergenic non-protein coding RNA 1257	116437	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000227193	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000229654	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000231149	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000259478	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000264334	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000267644	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000271201	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000272984	NA	NA	NA	0.304590243	-1.769119893	4.048364865	-0.436996158	0.662114134	0.998677884	Not Sig
ENSG00000188660	LINC00319	long intergenic non-protein coding RNA 319	284836	30.99246724	-1.761549317	1.136927122	-1.549395105	0.12128677	0.998677884	Not Sig
ENSG00000256443	NA	NA	NA	35.0030519	-1.745689092	1.164972549	-1.498480881	0.134008356	0.998677884	Not Sig
ENSG00000273381	NA	NA	NA	25.42871351	-1.738762579	0.862033982	-2.017046444	0.043690667	0.998677884	Not Sig
ENSG00000236790	LINC00299	long intergenic non-protein coding RNA 299	339789	57.05086326	-1.737443896	1.100302324	-1.579060462	0.114322189	0.998677884	Not Sig
ENSG00000178248	LINC01658	long intergenic non-protein coding RNA 1658	388882	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000178457	LINC00314	long intergenic non-protein coding RNA 314	246705	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000180081	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000223881	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000225785	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000226542	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000226965	LOC105375451	uncharacterized LOC105375451	105375451	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000228361	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000229801	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000235979	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000236106	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000236687	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000237720	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000241048	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000242659	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000249405	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000253855	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000255433	LOC101927120	uncharacterized LOC101927120	101927120	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig

ENSG00000256218	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000257467	PPFIA2-AS1	PPFIA2 antisense RNA 1	102724663	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000257470	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000257472	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000257683	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000258338	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000258853	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000259235	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000259252	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000260416	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000261146	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000261402	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000265380	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000267109	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000270173	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000272710	NA	NA	NA	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000273125	LINC01990	long intergenic non-protein coding RNA 1990	101929607	0.292134526	-1.717573259	4.053411964	-0.423735183	0.671758954	0.998677884	Not Sig
ENSG00000251600	LOC101927636	uncharacterized LOC101927636	101927636	6.297141229	-1.71318735	1.29095869	-1.327065973	0.18448686	0.998677884	Not Sig
ENSG00000226355	NA	NA	NA	1.351355288	-1.708642245	2.24351544	-0.76159148	0.446303861	0.998677884	Not Sig
ENSG00000225094	NA	NA	NA	1.351355288	-1.708642245	2.24351544	-0.76159148	0.446303861	0.998677884	Not Sig
ENSG00000260006	NA	NA	NA	176.4621642	-1.704554926	0.947594788	-1.798822606	0.072046746	0.998677884	Not Sig
ENSG00000236975	NA	NA	NA	3.345079736	-1.703640071	1.597642125	-1.06634649	0.286267041	0.998677884	Not Sig
ENSG00000260470	NA	NA	NA	22.89768889	-1.691812131	1.085378232	-1.55873048	0.119060185	0.998677884	Not Sig
ENSG00000229722	NA	NA	NA	1.420042083	-1.671907769	2.297605174	-0.727674097	0.466813111	0.998677884	Not Sig
ENSG00000254261	NA	NA	NA	1.420042083	-1.671907769	2.297605174	-0.727674097	0.466813111	0.998677884	Not Sig
ENSG00000235704	NA	NA	NA	1.959292693	-1.671007379	2.496625035	-0.669306506	0.503299978	0.998677884	Not Sig
ENSG00000236209	NA	NA	NA	7.702649484	-1.66522473	1.807531302	-0.921270203	0.356909374	0.998677884	Not Sig
ENSG00000257890	NA	NA	NA	4.370984522	-1.662821131	1.904643644	-0.873035298	0.382643838	0.998677884	Not Sig
ENSG00000262194	NA	NA	NA	19.79040065	-1.648235226	1.039784022	-1.585170757	0.112927543	0.998677884	Not Sig
ENSG00000272282	NA	NA	NA	8.436051913	-1.647950417	1.376697972	-1.197031194	0.231294396	0.998677884	Not Sig
ENSG00000256417	NA	NA	NA	43.82923197	-1.646656335	1.483194244	-1.110209497	0.266908761	0.998677884	Not Sig
ENSG00000269873	NA	NA	NA	7.424371882	-1.645988981	1.029312696	-1.59911462	0.109795137	0.998677884	Not Sig
ENSG00000222032	NA	NA	NA	5.172703309	-1.641483165	1.621418153	-1.012374977	0.311358798	0.998677884	Not Sig
ENSG00000225872	LINC01529	long intergenic non-protein coding RNA 1529	644050	2.576983391	-1.631207348	1.740459205	-0.937228142	0.348641217	0.998677884	Not Sig
ENSG00000261722	NA	NA	NA	0.739014959	-1.626060991	3.070877989	-0.529510126	0.596451622	0.998677884	Not Sig

ENSG00000262213	NA	NA	NA	0.739014959	-1.626060991	3.070877989	-0.529510126	0.596451622	0.998677884	Not Sig
ENSG00000267247	NA	NA	NA	0.739014959	-1.626060991	3.070877989	-0.529510126	0.596451622	0.998677884	Not Sig
ENSG00000272203	NA	NA	NA	1.370452187	-1.606990946	2.284288638	-0.703497325	0.481745873	0.998677884	Not Sig
ENSG00000255364	NA	NA	NA	0.693482841	-1.597119275	3.1171406	-0.512366775	0.60839434	0.998677884	Not Sig
ENSG00000257657	NA	NA	NA	0.693482841	-1.597119275	3.1171406	-0.512366775	0.60839434	0.998677884	Not Sig
ENSG00000231324	NA	NA	NA	0.695006626	-1.597094377	3.115354044	-0.512652608	0.608194346	0.998677884	Not Sig
ENSG00000225680	NA	NA	NA	3.471689825	-1.595387218	1.975722682	-0.807495522	0.419381053	0.998677884	Not Sig
ENSG00000272103	NA	NA	NA	1.465574201	-1.594793422	2.293978664	-0.695208481	0.486924658	0.998677884	Not Sig
ENSG00000254480	LOC100506082	uncharacterized LOC100506082	100506082	3.715421475	-1.58828953	2.271581155	-0.699199994	0.484427054	0.998677884	Not Sig
ENSG00000225725	FAM66E	family with sequence similarity 66 member E	100132103	3.097628666	-1.583696058	1.599201615	-0.990304189	0.32202546	0.998677884	Not Sig
ENSG00000229569	NA	NA	NA	5.875267595	-1.58276318	1.127177275	-1.404183011	0.16026436	0.998677884	Not Sig
ENSG00000272800	NA	NA	NA	13.14521035	-1.574721833	1.611669463	-0.977074933	0.328532057	0.998677884	Not Sig
ENSG00000260360	NA	NA	NA	2.575740212	-1.551814602	1.742131052	-0.890756525	0.373059803	0.998677884	Not Sig
ENSG00000273011	NA	NA	NA	1.319338507	-1.544543103	2.305923002	-0.669815559	0.502975374	0.998677884	Not Sig
ENSG00000254319	LOC101927815	uncharacterized LOC101927815	101927815	0.668804379	-1.537489412	3.137410817	-0.490050396	0.624098238	0.998677884	Not Sig
ENSG00000227482	NA	NA	NA	3.928765702	-1.536100156	1.364077741	-1.126108952	0.260119405	0.998677884	Not Sig
ENSG00000251138	LOC100507377	uncharacterized LOC100507377	100507377	79.75006848	-1.532681358	1.963976777	-0.780396884	0.435157301	0.998677884	Not Sig
ENSG00000232063	LOC100132077	uncharacterized LOC100132077	100132077	40.73608303	-1.5299893	0.963815599	-1.587429485	0.112415406	0.998677884	Not Sig
ENSG00000271584	NA	NA	NA	2.611183954	-1.529949888	1.605688183	-0.952831256	0.340675575	0.998677884	Not Sig
ENSG00000253967	LOC101926892	uncharacterized LOC101926892	101926892	1.198014246	-1.519391681	2.74618033	-0.553274548	0.580075427	0.998677884	Not Sig
ENSG00000260574	NA	NA	NA	1.917867765	-1.513406989	1.901157222	-0.796045152	0.426005792	0.998677884	Not Sig
ENSG00000270076	NA	NA	NA	0.656348662	-1.504984781	2.702432582	-0.556900028	0.577595735	0.998677884	Not Sig
ENSG00000235021	NA	NA	NA	0.687901278	-1.504867059	2.674224369	-0.562730291	0.573618554	0.998677884	Not Sig
ENSG00000270876	NA	NA	NA	2.484677755	-1.492349276	1.678442138	-0.889127627	0.373934493	0.998677884	Not Sig
ENSG00000253343	NA	NA	NA	1.782564002	-1.491306136	2.118498073	-0.703945005	0.481467023	0.998677884	Not Sig
ENSG00000226172	LOC105378933	uncharacterized LOC105378933	105378933	10.65851377	-1.486125984	1.8223412	-0.815503696	0.41478405	0.998677884	Not Sig
ENSG00000229588	NA	NA	NA	0.675445561	-1.474792912	3.119527599	-0.472761617	0.636383261	0.998677884	Not Sig
ENSG00000250126	NA	NA	NA	0.643892945	-1.47476044	3.159505069	-0.466769449	0.640664836	0.998677884	Not Sig
ENSG00000250098	NA	NA	NA	2.445786819	-1.468476608	1.467814586	-1.000451026	0.317092287	0.998677884	Not Sig
ENSG00000250259	NA	NA	NA	4.508432814	-1.468269096	1.550162816	-0.947170891	0.343551706	0.998677884	Not Sig
ENSG00000228679	NA	NA	NA	2.432040289	-1.460945206	1.500784263	-0.973454508	0.33032746	0.998677884	Not Sig
ENSG00000197813	NA	NA	NA	87.10050389	-1.460917023	1.006277559	-1.451803242	0.146556322	0.998677884	Not Sig
ENSG00000228140	NA	NA	NA	4.970367497	-1.460203214	1.60666345	-0.908841994	0.363433536	0.998677884	Not Sig
ENSG00000258556	NA	NA	NA	1.242022579	-1.447757521	2.314386671	-0.625546949	0.531612145	0.998677884	Not Sig
ENSG00000240405	SAMMSON	survival associated mitochondrial melanoma specific oncogenic non-coding RNA	101927152	7.91338319	-1.444680011	1.817465896	-0.794886998	0.426679238	0.998677884	Not Sig

ENSG00000249951	NA	NA	NA	1.737200315	-1.441211709	2.534651431	-0.568603513	0.56962524	0.998677884	Not Sig
ENSG00000234690	LOC101927043	uncharacterized LOC101927043	101927043	94.51224049	-1.429695028	0.839089678	-1.703864397	0.088406424	0.998677884	Not Sig
ENSG00000250994	NA	NA	NA	3.705382512	-1.428539026	1.329233669	-1.074708729	0.282505155	0.998677884	Not Sig
ENSG00000271722	NA	NA	NA	6.008102005	-1.424892731	1.090110349	-1.307108709	0.191175794	0.998677884	Not Sig
ENSG00000272108	NA	NA	NA	13.38386048	-1.422189669	1.292460496	-1.100373801	0.271169289	0.998677884	Not Sig
ENSG00000238261	NA	NA	NA	79.77807388	-1.418503012	0.993607225	-1.427629526	0.153398521	0.998677884	Not Sig
ENSG00000225667	NA	NA	NA	0.617690698	-1.41102996	3.185192546	-0.442996754	0.657768082	0.998677884	Not Sig
ENSG00000273245	NA	NA	NA	20.34403422	-1.407585655	0.880031408	-1.599472066	0.109715751	0.998677884	Not Sig
ENSG00000269895	NA	NA	NA	21.95837971	-1.400693479	1.07787299	-1.299497707	0.19377318	0.998677884	Not Sig
ENSG00000231829	NA	NA	NA	13.028141	-1.392188715	0.902090448	-1.543291715	0.122760013	0.998677884	Not Sig
ENSG00000269110	NA	NA	NA	1.124924527	-1.387491661	2.364400877	-0.586825895	0.557320643	0.998677884	Not Sig
ENSG00000263508	NA	NA	NA	1.666590111	-1.379938962	2.120387145	-0.650795759	0.515178338	0.998677884	Not Sig
ENSG00000264254	NA	NA	NA	0.605234981	-1.377653768	3.197881457	-0.430802013	0.666612336	0.998677884	Not Sig
ENSG00000271109	LOC102723540	uncharacterized LOC102723540	102723540	34.18429185	-1.370873709	0.896358013	-1.529381886	0.1261698	0.998677884	Not Sig
ENSG00000237760	NA	NA	NA	1.83344649	-1.357158864	1.773702396	-0.765155906	0.444178713	0.998677884	Not Sig
ENSG00000224714	LOC101928887	uncharacterized LOC101928887	101928887	2.276942489	-1.351247765	2.077376941	-0.650458633	0.515396014	0.998677884	Not Sig
ENSG00000260640	NA	NA	NA	1.100013093	-1.349816126	2.368166467	-0.569983633	0.568688799	0.998677884	Not Sig
ENSG00000273454	NA	NA	NA	6.214915542	-1.340327223	1.078201465	-1.243113894	0.213825866	0.998677884	Not Sig
ENSG00000258845	NA	NA	NA	1.086266563	-1.33560306	2.800419405	-0.476929655	0.633412214	0.998677884	Not Sig
ENSG00000272983	NA	NA	NA	49.26758942	-1.325211734	0.836109222	-1.584974427	0.112972145	0.998677884	Not Sig
ENSG00000237689	NA	NA	NA	1.731618753	-1.314974067	1.882578095	-0.698496424	0.484866794	0.998677884	Not Sig
ENSG00000236204	LINC01376	long intergenic non-protein coding RNA 1376	400945	122.0733468	-1.313630907	1.092705525	-1.202181993	0.229293024	0.998677884	Not Sig
ENSG00000273113	NA	NA	NA	6.07933628	-1.310422654	1.240384186	-1.056465141	0.290755759	0.998677884	Not Sig
ENSG00000253123	NA	NA	NA	5.475075715	-1.306887575	1.649255254	-0.792410739	0.42812122	0.998677884	Not Sig
ENSG00000273329	NA	NA	NA	253.5215519	-1.301651109	0.721838355	-1.803244591	0.07134981	0.998677884	Not Sig
ENSG00000244219	TMEM225B	transmembrane protein 225B	100289187	13.39824798	-1.29606842	1.042848832	-1.242815238	0.213935926	0.998677884	Not Sig
ENSG00000267834	NA	NA	NA	5.141841183	-1.290667588	1.354158671	-0.953114001	0.340532313	0.998677884	Not Sig
ENSG00000272832	NA	NA	NA	1.062878915	-1.288481662	2.374332163	-0.54267119	0.587356213	0.998677884	Not Sig
ENSG00000265542	NA	NA	NA	3.741802315	-1.283048591	1.441306079	-0.890198557	0.373359279	0.998677884	Not Sig
ENSG00000249738	LOC285626	uncharacterized LOC285626	285626	21.7235986	-1.278598194	1.084909642	-1.178529662	0.238585514	0.998677884	Not Sig
ENSG00000270102	NA	NA	NA	7.296216232	-1.275857094	1.04104334	-1.225556176	0.220365738	0.998677884	Not Sig
ENSG00000231156	NA	NA	NA	1.048899412	-1.273560493	2.812858715	-0.452763762	0.65071886	0.998677884	Not Sig
ENSG00000245149	RNF139-AS1	RNF139 antisense RNA 1 (head to head)	101927612	70.99700568	-1.27283323	0.759512741	-1.675855007	0.093766596	0.998677884	Not Sig
ENSG00000266385	NA	NA	NA	14.71331457	-1.260909204	1.021611786	-1.234235177	0.217115283	0.998677884	Not Sig
ENSG00000259967	NA	NA	NA	3.804361506	-1.258519119	1.368315797	-0.919757794	0.357699343	0.998677884	Not Sig

ENSG00000254333	NDST1-AS1	NDST1 antisense RNA 1	102546298	2.692503279	-1.242340123	1.476328165	-0.841506754	0.400064103	0.998677884	Not Sig
ENSG00000225640	LINC01729	long intergenic non-protein coding RNA 1729	101929207	1.655826611	-1.237270277	1.670868699	-0.740495215	0.458999563	0.998677884	Not Sig
ENSG00000273019	NA	NA	NA	1.217279577	-1.237204366	2.305654782	-0.536595667	0.591546938	0.998677884	Not Sig
ENSG00000230131	NA	NA	NA	2.776693361	-1.236497259	1.434125967	-0.862195712	0.388579829	0.998677884	Not Sig
ENSG00000241593	NA	NA	NA	1.119342965	-1.235117416	2.42320309	-0.509704458	0.61025853	0.998677884	Not Sig
ENSG00000265787	CYP4F35P	cytochrome P450 family 4 subfamily F member 35, pseudogene	284233	17.24061444	-1.234333927	0.852920165	-1.447185772	0.1478449	0.998677884	Not Sig
ENSG00000231298	LINC00704	long intergenic non-protein coding RNA 704	100216001	1.120633778	-1.234165024	2.422508838	-0.509457388	0.61043166	0.998677884	Not Sig
ENSG00000232316	NA	NA	NA	2.083441713	-1.222984146	1.702359639	-0.718405276	0.472507435	0.998677884	Not Sig
ENSG00000267454	ZNF582-AS1	ZNF582 antisense RNA 1 (head to head)	386758	19.68801015	-1.21375865	1.060838132	-1.144150662	0.25256116	0.998677884	Not Sig
ENSG00000270810	NA	NA	NA	3.878165698	-1.212370702	1.260486272	-0.961827772	0.336136125	0.998677884	Not Sig
ENSG00000272005	NA	NA	NA	184.5442598	-1.210833486	0.838461417	-1.444113541	0.14870704	0.998677884	Not Sig
ENSG00000272784	NA	NA	NA	1.567978376	-1.210253199	2.203219751	-0.549311161	0.582791929	0.998677884	Not Sig
ENSG00000237609	NA	NA	NA	16.63508868	-1.208506572	0.993387055	-1.21655156	0.223774882	0.998677884	Not Sig
ENSG00000230058	NA	NA	NA	2.055482708	-1.207618723	1.729391664	-0.698291051	0.484995194	0.998677884	Not Sig
ENSG00000182366	FAM87A	family with sequence similarity 87 member A	157693	3.228354328	-1.204151272	1.619407141	-0.743575375	0.457133406	0.998677884	Not Sig
ENSG00000232309	NA	NA	NA	1.04524126	-1.202106194	2.468054422	-0.487066324	0.626211331	0.998677884	Not Sig
ENSG00000261728	NA	NA	NA	1.04524126	-1.202106194	2.468054422	-0.487066324	0.626211331	0.998677884	Not Sig
ENSG00000270039	NA	NA	NA	8.714513499	-1.200586772	1.004072584	-1.195717113	0.231806971	0.998677884	Not Sig
ENSG00000265799	NA	NA	NA	2.822225479	-1.199498609	1.652149696	-0.726022958	0.467824697	0.998677884	Not Sig
ENSG00000226051	ZNF503-AS1	ZNF503 antisense RNA 1	253264	77.77502856	-1.194150576	0.908695859	-1.314136698	0.188800206	0.998677884	Not Sig
ENSG00000215241	LINC02449	long intergenic non-protein coding RNA 2449	101927905	40.72450349	-1.189314238	1.032954237	-1.151371663	0.249579367	0.998677884	Not Sig
ENSG00000261008	LINC01572	long intergenic non-protein coding RNA 1572	101927957	88.64860737	-1.188955216	1.253672483	-0.948377851	0.342937131	0.998677884	Not Sig
ENSG00000228463	NA	NA	NA	13.97130127	-1.188033426	1.053912509	-1.12726001	0.259632565	0.998677884	Not Sig
ENSG00000271643	NA	NA	NA	27.96852466	-1.180874776	0.881398522	-1.339773946	0.180318848	0.998677884	Not Sig
ENSG00000267457	NA	NA	NA	15.14727344	-1.180035778	1.074340943	-1.098381092	0.272038115	0.998677884	Not Sig
ENSG00000185186	LINC00313	long intergenic non-protein coding RNA 313	114038	71.50410678	-1.17619406	0.876318751	-1.342198896	0.179531514	0.998677884	Not Sig
ENSG00000272555	NA	NA	NA	8.155654191	-1.168029956	1.165434157	-1.002227323	0.316233814	0.998677884	Not Sig
ENSG00000253177	NA	NA	NA	2.273286117	-1.166902869	2.095954871	-0.556740455	0.577704772	0.998677884	Not Sig
ENSG00000259590	NA	NA	NA	3.169477084	-1.158320884	1.656574534	-0.699226543	0.484410465	0.998677884	Not Sig
ENSG00000273230	NA	NA	NA	99.97882037	-1.157208363	1.033218492	-1.120003535	0.262712256	0.998677884	Not Sig
ENSG00000242569	NA	NA	NA	32.59543722	-1.154892238	1.215156993	-0.950405787	0.341906105	0.998677884	Not Sig
ENSG00000273165	NA	NA	NA	17.65949377	-1.143630664	1.04343466	-1.096025183	0.273067754	0.998677884	Not Sig
ENSG00000271382	NA	NA	NA	4.156432994	-1.142714127	1.529540411	-0.747096395	0.455005376	0.998677884	Not Sig
ENSG00000227388	NA	NA	NA	64.02419648	-1.14206263	1.012645216	-1.127801338	0.259403828	0.998677884	Not Sig
ENSG00000234871	NA	NA	NA	6.167465218	-1.134510547	1.201990594	-0.943859755	0.34524132	0.998677884	Not Sig

ENSG00000229625	NA	NA	NA	0.548939363	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000238156	NA	NA	NA	0.548939363	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000239739	NA	NA	NA	0.548939363	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000249857	NA	NA	NA	0.547415578	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000259727	NA	NA	NA	0.548939363	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000261043	NA	NA	NA	0.547415578	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000272971	NA	NA	NA	0.548939363	-1.132859691	4.020211012	-0.281791102	0.778103694	0.998677884	Not Sig
ENSG00000229642	NA	NA	NA	0.580491979	-1.132325222	3.986259799	-0.284057056	0.776366656	0.998677884	Not Sig
ENSG00000232650	LINC01780	long intergenic non-protein coding RNA 1780	105378934	0.580491979	-1.132325222	3.986259799	-0.284057056	0.776366656	0.998677884	Not Sig
ENSG00000261790	NA	NA	NA	0.580491979	-1.132325222	3.986259799	-0.284057056	0.776366656	0.998677884	Not Sig
ENSG00000262117	BCAR4	breast cancer anti-estrogen resistance 4 (non-protein coding)	400500	0.580491979	-1.132325222	3.986259799	-0.284057056	0.776366656	0.998677884	Not Sig
ENSG00000245975	LOC101928725	uncharacterized LOC101928725	101928725	11.99290508	-1.130461992	0.872416786	-1.295782028	0.195050591	0.998677884	Not Sig
ENSG00000266877	NA	NA	NA	1.089249593	-1.130236669	2.457754774	-0.459865517	0.645612753	0.998677884	Not Sig
ENSG00000272334	NA	NA	NA	3.157468624	-1.1300177	1.636971852	-0.690309793	0.489999391	0.998677884	Not Sig
ENSG00000260433	LINC01917	long intergenic non-protein coding RNA 1917	101928167	1.650012076	-1.129321669	2.178055272	-0.518500005	0.604109457	0.998677884	Not Sig
ENSG00000258593	NA	NA	NA	17.10639106	-1.125269939	1.091750427	-1.030702541	0.302680333	0.998677884	Not Sig
ENSG00000270237	NA	NA	NA	5.435872138	-1.12200105	1.20645248	-0.930000202	0.35237098	0.998677884	Not Sig
ENSG00000253948	LOC105375666	uncharacterized LOC105375666	105375666	11.39111729	-1.120577903	0.908385519	-1.233592874	0.21735465	0.998677884	Not Sig
ENSG00000248227	NA	NA	NA	0.995651364	-1.119483912	2.817525038	-0.397328825	0.691124994	0.998677884	Not Sig
ENSG00000227356	LINC00866	long intergenic non-protein coding RNA 866	100505561	2.083377172	-1.119372308	1.638256402	-0.683270522	0.494435917	0.998677884	Not Sig
ENSG00000255910	NA	NA	NA	64.12550069	-1.116788642	1.262017592	-0.884923197	0.376198056	0.998677884	Not Sig
ENSG00000237422	NA	NA	NA	7.643832099	-1.116650557	1.152898005	-0.96855971	0.332764914	0.998677884	Not Sig
ENSG00000249258	NA	NA	NA	12.12593311	-1.116453999	0.975935452	-1.143983442	0.252630504	0.998677884	Not Sig
ENSG00000257433	LOC105369748	uncharacterized LOC105369748	105369748	22.7761051	-1.115579829	0.977364824	-1.141415981	0.253696858	0.998677884	Not Sig
ENSG00000253891	NA	NA	NA	0.994127579	-1.114391148	2.436217888	-0.457426716	0.647364366	0.998677884	Not Sig
ENSG00000250371	NA	NA	NA	4.255493767	-1.110550974	1.409621593	-0.787836239	0.430792501	0.998677884	Not Sig
ENSG00000257613	NA	NA	NA	7.714071295	-1.109798047	1.141265943	-0.972427201	0.330838065	0.998677884	Not Sig
ENSG00000249664	NA	NA	NA	4.961881363	-1.107510893	1.847711327	-0.599396062	0.548908802	0.998677884	Not Sig
ENSG00000232987	LINC01219	long intergenic non-protein coding RNA 1219	104355220	6.114661101	-1.095873886	1.029311351	-1.064667056	0.287026623	0.998677884	Not Sig
ENSG00000273375	NA	NA	NA	6.696676865	-1.095459487	1.010025532	-1.084585935	0.278105087	0.998677884	Not Sig
ENSG00000269947	NA	NA	NA	9.857739102	-1.092630663	0.942658468	-1.159094944	0.246417487	0.998677884	Not Sig
ENSG00000272463	NA	NA	NA	41.6592996	-1.08832479	1.250994636	-0.869967591	0.384318116	0.998677884	Not Sig
ENSG00000261320	NA	NA	NA	2.014290753	-1.084966264	2.048858081	-0.529546812	0.59642618	0.998677884	Not Sig
ENSG00000266490	NA	NA	NA	22.27862027	-1.068898902	0.963321831	-1.109596884	0.267172775	0.998677884	Not Sig
ENSG00000272071	NA	NA	NA	3.995207591	-1.063642922	1.366595477	-0.778315851	0.436382833	0.998677884	Not Sig

ENSG00000267722	NA	NA	NA	3.694797605	-1.061892621	1.891140474	-0.561509119	0.574450516	0.998677884	Not Sig
ENSG00000223759	NA	NA	NA	17.87251467	-1.060963667	0.835911733	-1.269229304	0.204359292	0.998677884	Not Sig
ENSG00000227740	NA	NA	NA	5.635088763	-1.059274992	1.161183674	-0.912237242	0.361643843	0.998677884	Not Sig
ENSG00000259336	NA	NA	NA	12.19724748	-1.059184059	1.028528401	-1.029805359	0.303101385	0.998677884	Not Sig
ENSG00000270009	NA	NA	NA	1.586675651	-1.056850688	2.152901953	-0.490895875	0.623500095	0.998677884	Not Sig
ENSG00000273160	NA	NA	NA	7.360559679	-1.055787094	1.166883793	-0.904791977	0.365575603	0.998677884	Not Sig
ENSG00000248994	NA	NA	NA	5.213971701	-1.053154348	1.510557998	-0.697195572	0.48568041	0.998677884	Not Sig
ENSG00000234902	NA	NA	NA	13.40593568	-1.052326802	1.554583837	-0.676918656	0.498457566	0.998677884	Not Sig
ENSG00000254211	NA	NA	NA	1.992081742	-1.049221607	1.737217961	-0.60396659	0.545865855	0.998677884	Not Sig
ENSG00000244063	NA	NA	NA	2.140965383	-1.049053896	1.780417514	-0.589217915	0.555715101	0.998677884	Not Sig
ENSG00000256596	NA	NA	NA	2.462414365	-1.047385393	1.810780425	-0.578416565	0.562982913	0.998677884	Not Sig
ENSG00000225873	LINC00694	long intergenic non-protein coding RNA 694	102724231	12.44628711	-1.04589598	1.206317721	-0.86701535	0.385933599	0.998677884	Not Sig
ENSG00000271752	NA	NA	NA	0.9569934	-1.043575984	2.444366195	-0.426931115	0.669429502	0.998677884	Not Sig
ENSG00000272754	NA	NA	NA	17.45478883	-1.041621547	0.85686267	-1.215622507	0.224128756	0.998677884	Not Sig
ENSG00000243179	NA	NA	NA	5.084756477	-1.039914931	1.832155295	-0.567591041	0.570312692	0.998677884	Not Sig
ENSG00000259757	NA	NA	NA	4.330469423	-1.039775118	1.560133056	-0.666465667	0.505113501	0.998677884	Not Sig
ENSG00000260417	NA	NA	NA	125.499928	-1.038337193	0.808131148	-1.284862235	0.19884043	0.998677884	Not Sig
ENSG00000228065	NA	NA	NA	260.765497	-1.035262628	1.209739365	-0.855773283	0.392123196	0.998677884	Not Sig
ENSG00000227116	NA	NA	NA	2.925687494	-1.031198574	1.454276927	-0.709079925	0.47827488	0.998677884	Not Sig
ENSG00000260823	NA	NA	NA	1.59394943	-1.029726628	2.187849981	-0.470656872	0.637885788	0.998677884	Not Sig
ENSG00000249231	CASC16	cancer susceptibility 16 (non-protein coding)	643714	9.208711852	-1.028757862	1.464425944	-0.702499069	0.482367982	0.998677884	Not Sig
ENSG00000273488	NA	NA	NA	18.67914529	-1.024140165	1.083645913	-0.945087462	0.344614226	0.998677884	Not Sig
ENSG00000260737	LINC01227	long intergenic non-protein coding RNA 1227	101928276	1.025680195	-1.022346656	2.427695056	-0.421118235	0.673668747	0.998677884	Not Sig
ENSG00000247095	MIR210HG	MIR210 host gene	100506211	143.2471508	-1.021550441	0.678270946	-1.506109685	0.132039019	0.998677884	Not Sig
ENSG00000254083	LINC01591	long intergenic non-protein coding RNA 1591	286094	1.02720398	-1.017651754	2.427329304	-0.419247505	0.675035257	0.998677884	Not Sig
ENSG00000241882	NA	NA	NA	2.102074447	-1.017532601	1.811101597	-0.561830768	0.574231327	0.998677884	Not Sig
ENSG00000231705	NA	NA	NA	11.4488841	-1.016159025	0.891812783	-1.139430881	0.254523482	0.998677884	Not Sig
ENSG00000273075	NA	NA	NA	4.323865811	-1.015775697	1.52871158	-0.664465233	0.506392593	0.998677884	Not Sig
ENSG00000271975	NA	NA	NA	111.6131577	-1.011641143	0.914732362	-1.105942224	0.268751528	0.998677884	Not Sig
ENSG00000224715	LOC339685	uncharacterized LOC339685	339685	1.109870277	-1.007210023	2.825957624	-0.356413703	0.721530768	0.998677884	Not Sig
ENSG00000203585	LINC02408	long intergenic non-protein coding RNA 2408	100507175	15.07995283	-1.007067235	1.139688358	-0.88363387	0.376893889	0.998677884	Not Sig
ENSG00000269423	NA	NA	NA	4.471225666	-1.004814028	1.28511137	-0.781888676	0.43428	0.998677884	Not Sig
ENSG00000237520	NA	NA	NA	1.388202114	-0.998507452	2.281632134	-0.437628589	0.661655543	0.998677884	Not Sig
ENSG00000259584	NA	NA	NA	3.390816165	-0.997995519	1.886118732	-0.529126561	0.596717657	0.998677884	Not Sig
ENSG00000214146	LINC02026	long intergenic non-protein coding RNA 2026	647323	26.85128562	-0.996697308	0.89230819	-1.116987739	0.263999568	0.998677884	Not Sig

ENSG00000271553	NA	NA	NA	20.50229614	-0.995452656	1.059052465	-0.939946498	0.347245005	0.998677884	Not Sig
ENSG00000259815	NA	NA	NA	0.508757614	-0.994218599	3.400389985	-0.292383698	0.769993271	0.998677884	Not Sig
ENSG00000223783	NA	NA	NA	0.541834015	-0.993498173	3.342175794	-0.297260896	0.766267333	0.998677884	Not Sig
ENSG00000250064	NA	NA	NA	0.541834015	-0.993498173	3.342175794	-0.297260896	0.766267333	0.998677884	Not Sig
ENSG00000272864	NA	NA	NA	4.128523404	-0.993086513	1.875466023	-0.529514532	0.596448566	0.998677884	Not Sig
ENSG00000260388	LINC00562	long intergenic non-protein coding RNA 562	100861549	8.443280361	-0.987326398	0.956421971	-1.032312543	0.301925727	0.998677884	Not Sig
ENSG00000272824	NA	NA	NA	7.356906445	-0.986090594	1.797235071	-0.548670906	0.583231316	0.998677884	Not Sig
ENSG00000249746	NA	NA	NA	20.70706697	-0.980999986	1.453767034	-0.674798618	0.499803718	0.998677884	Not Sig
ENSG00000273449	NA	NA	NA	23.35524417	-0.980674194	1.198432762	-0.818297217	0.413187495	0.998677884	Not Sig
ENSG00000253844	NA	NA	NA	1.916056628	-0.979798936	2.117146493	-0.462792225	0.643513305	0.998677884	Not Sig
ENSG00000272156	NA	NA	NA	20.04774005	-0.975092298	0.893555617	-1.091249699	0.275163025	0.998677884	Not Sig
ENSG00000272130	NA	NA	NA	4.329561327	-0.974489077	1.228800472	-0.793040937	0.427753972	0.998677884	Not Sig
ENSG00000269967	NA	NA	NA	72.87086996	-0.972196382	1.159301675	-0.838605173	0.401690907	0.998677884	Not Sig
ENSG00000230537	LOC100507103	uncharacterized LOC100507103	100507103	13.01249355	-0.972124961	0.923175416	-1.053023016	0.292330444	0.998677884	Not Sig
ENSG00000234129	NA	NA	NA	17.07424201	-0.968863468	1.045780021	-0.926450544	0.354211888	0.998677884	Not Sig
ENSG00000251584	NA	NA	NA	2.79268653	-0.9568702	1.726491958	-0.554228009	0.579422812	0.998677884	Not Sig
ENSG00000226087	NA	NA	NA	0.904355935	-0.956543431	2.502640604	-0.382213662	0.702302889	0.998677884	Not Sig
ENSG00000258768	NA	NA	NA	33.31534857	-0.955549487	0.860190209	-1.110858362	0.26662932	0.998677884	Not Sig
ENSG00000269979	NA	NA	NA	35.77604664	-0.955543726	0.722285422	-1.322944776	0.185853743	0.998677884	Not Sig
ENSG00000272777	NA	NA	NA	10.41055456	-0.953874214	1.003829879	-0.950234929	0.341992894	0.998677884	Not Sig
ENSG00000255136	NA	NA	NA	0.496301897	-0.94988546	3.418531179	-0.277863623	0.781117049	0.998677884	Not Sig
ENSG00000256717	NA	NA	NA	0.496301897	-0.94988546	3.418531179	-0.277863623	0.781117049	0.998677884	Not Sig
ENSG00000260303	NA	NA	NA	0.496301897	-0.94988546	3.418531179	-0.277863623	0.781117049	0.998677884	Not Sig
ENSG00000263082	NA	NA	NA	0.496301897	-0.94988546	3.418531179	-0.277863623	0.781117049	0.998677884	Not Sig
ENSG00000263655	NA	NA	NA	0.496301897	-0.94988546	3.418531179	-0.277863623	0.781117049	0.998677884	Not Sig
ENSG00000229582	NA	NA	NA	0.497825682	-0.94986408	3.415620161	-0.278094178	0.780940065	0.998677884	Not Sig
ENSG00000230836	NA	NA	NA	0.497825682	-0.94986408	3.415620161	-0.278094178	0.780940065	0.998677884	Not Sig
ENSG00000250577	NA	NA	NA	0.497825682	-0.94986408	3.415620161	-0.278094178	0.780940065	0.998677884	Not Sig
ENSG00000259443	NA	NA	NA	0.529378298	-0.949430784	3.358201484	-0.282720018	0.77739147	0.998677884	Not Sig
ENSG00000269489	NA	NA	NA	1.51640053	-0.948654459	1.911941748	-0.496173306	0.619772143	0.998677884	Not Sig
ENSG00000254839	LOC101929269	uncharacterized LOC101929269	101929269	3.307027487	-0.939759326	1.911605282	-0.491607412	0.622996902	0.998677884	Not Sig
ENSG00000249846	NA	NA	NA	58.1739424	-0.938139935	0.902331949	-1.039683829	0.298486816	0.998677884	Not Sig
ENSG00000269913	NA	NA	NA	12.99261446	-0.93670568	0.941078507	-0.995353388	0.319564421	0.998677884	Not Sig
ENSG00000261839	NA	NA	NA	2.801484095	-0.935802279	1.417986679	-0.65995139	0.509285024	0.998677884	Not Sig
ENSG00000234427	NA	NA	NA	5.89428656	-0.934668501	1.574789187	-0.59351976	0.552833363	0.998677884	Not Sig

ENSG00000228569	NA	NA	NA	1.866699705	-0.929797219	1.807629538	-0.51437377	0.606990695	0.998677884	Not Sig
ENSG00000255366	NA	NA	NA	22.45613087	-0.927153664	1.304386107	-0.710796948	0.477210072	0.998677884	Not Sig
ENSG00000245330	NA	NA	NA	1.936910285	-0.925183904	1.601691378	-0.577629322	0.563514406	0.998677884	Not Sig
ENSG00000272216	NA	NA	NA	145.2127183	-0.918369859	0.682951891	-1.344706517	0.178720029	0.998677884	Not Sig
ENSG00000266835	GAPLINC	<small>gastric adenocarcinoma associated, positive CD41 regulator, long intergenic non-coding RNA</small>	100505592	17.17873445	-0.915229761	0.847121241	-1.080399967	0.27996411	0.998677884	Not Sig
ENSG00000226029	LINC01772	<small>long intergenic non-protein coding RNA 1772</small>	107984921	48.28962286	-0.910252305	0.795006076	-1.144962702	0.252224608	0.998677884	Not Sig
ENSG00000228742	LINC02577	<small>long intergenic non-protein coding RNA 2577</small>	111216280	27.29206861	-0.908502285	1.526956563	-0.594975854	0.551859611	0.998677884	Not Sig
ENSG00000249167	NA	NA	NA	3.413362038	-0.90546393	1.4465554	-0.625944869	0.531351103	0.998677884	Not Sig
ENSG00000185495	NA	NA	NA	9.830045674	-0.903763005	1.221196504	-0.740063538	0.459261442	0.998677884	Not Sig
ENSG00000260257	NA	NA	NA	143.5956886	-0.892462165	0.747242616	-1.194340561	0.232344778	0.998677884	Not Sig
ENSG00000273104	NA	NA	NA	1.775803899	-0.888349646	1.780012786	-0.49906925	0.6177306	0.998677884	Not Sig
ENSG00000257534	NA	NA	NA	10.39167204	-0.888329464	1.36983679	-0.648492923	0.516666187	0.998677884	Not Sig
ENSG00000233117	NA	NA	NA	75.15678893	-0.885057755	1.123422694	-0.787822571	0.430800497	0.998677884	Not Sig
ENSG00000272459	NA	NA	NA	2.727215738	-0.884914586	1.384742699	-0.639046219	0.522792865	0.998677884	Not Sig
ENSG00000273001	NA	NA	NA	3.243905346	-0.884775939	1.603147594	-0.55189924	0.581017389	0.998677884	Not Sig
ENSG00000266411	NA	NA	NA	3.793013141	-0.883656661	1.369869529	-0.645066295	0.518884225	0.998677884	Not Sig
ENSG00000239572	NA	NA	NA	0.949888053	-0.883303627	2.444591291	-0.361329777	0.717852936	0.998677884	Not Sig
ENSG00000260135	NA	NA	NA	22.66002026	-0.8755026	1.31259932	-0.666999126	0.504772692	0.998677884	Not Sig
ENSG00000212766	EWSAT1	<small>Ewing sarcoma associated transcript 1</small>	283673	1.899776106	-0.870953214	2.03271009	-0.428468977	0.668309715	0.998677884	Not Sig
ENSG00000179136	LINC00670	<small>long intergenic non-protein coding RNA 670</small>	284034	6.325479816	-0.861736298	1.141800817	-0.754716835	0.450418903	0.998677884	Not Sig
ENSG00000273162	NA	NA	NA	9.18442126	-0.858797021	1.008936024	-0.85119076	0.394663395	0.998677884	Not Sig
ENSG00000226005	NA	NA	NA	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000227042	NA	NA	NA	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000228334	NA	NA	NA	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000229291	NA	NA	NA	0.503176052	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000229433	LINC02069	<small>long intergenic non-protein coding RNA 2069</small>	101928992	0.503176052	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000240707	LINC01168	<small>long intergenic non-protein coding RNA 1168</small>	399829	0.503176052	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000248150	LINC02150	<small>long intergenic non-protein coding RNA 2150</small>	101929505	0.503176052	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000249926	NA	NA	NA	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000257194	NA	NA	NA	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000259754	NA	NA	NA	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000263317	LINC01982	<small>long intergenic non-protein coding RNA 1982</small>	105371830	0.471623435	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000243321	LINC01998	<small>long intergenic non-protein coding RNA 1998</small>	107986046	0.47009965	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000271901	NA	NA	NA	0.47009965	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig
ENSG00000271947	NA	NA	NA	0.47009965	-0.857549609	4.043611904	-0.212075152	0.832048405	0.998677884	Not Sig

ENSG00000234584	NA	NA	NA	15.81643717	-0.84880984	1.048095215	-0.809859475	0.418020946	0.998677884	Not Sig
ENSG00000261621	NA	NA	NA	2.162227046	-0.842968013	2.420470753	-0.348266143	0.727640318	0.998677884	Not Sig
ENSG00000273172	NA	NA	NA	3.745157989	-0.841615867	1.624880493	-0.517955548	0.604489284	0.998677884	Not Sig
ENSG00000233942	NA	NA	NA	7.895005914	-0.83904489	1.255508692	-0.668290786	0.503947994	0.998677884	Not Sig
ENSG00000259134	LINC00924	long intergenic non-protein coding RNA 924	145820	12.80458306	-0.838475963	1.093641501	-0.766682649	0.443270223	0.998677884	Not Sig
ENSG00000178412	LOC284241	uncharacterized LOC284241	284241	1.808880301	-0.83694207	1.592710532	-0.52548285	0.599247572	0.998677884	Not Sig
ENSG00000260302	NA	NA	NA	6.38532652	-0.836891812	1.071893741	-0.780760051	0.434943634	0.998677884	Not Sig
ENSG00000273281	NA	NA	NA	15.60632228	-0.835940431	0.870807756	-0.95995979	0.337075452	0.998677884	Not Sig
ENSG00000240996	NA	NA	NA	3.238323784	-0.834506515	1.418499659	-0.588302232	0.556329448	0.998677884	Not Sig
ENSG00000259685	NA	NA	NA	1.305704249	-0.832795094	1.963763915	-0.424081066	0.671506694	0.998677884	Not Sig
ENSG00000256299	NA	NA	NA	8.594958464	-0.8259166	1.482403212	-0.557147066	0.577426953	0.998677884	Not Sig
ENSG00000271204	NA	NA	NA	323.1785003	-0.82571477	0.849356309	-0.972165346	0.330968297	0.998677884	Not Sig
ENSG00000273069	NA	NA	NA	1.29500529	-0.825080395	2.713872146	-0.304023311	0.761110132	0.998677884	Not Sig
ENSG00000226320	NA	NA	NA	4.912383505	-0.820048107	1.927582169	-0.425428352	0.670524441	0.998677884	Not Sig
ENSG00000235127	NA	NA	NA	1.007642916	-0.819555688	2.859073478	-0.286650796	0.774379716	0.998677884	Not Sig
ENSG00000259543	NA	NA	NA	1.007642916	-0.819555688	2.859073478	-0.286650796	0.774379716	0.998677884	Not Sig
ENSG00000233858	NA	NA	NA	2.047471045	-0.818947934	2.51248114	-0.325951873	0.744460768	0.998677884	Not Sig
ENSG00000270104	NA	NA	NA	0.490720335	-0.814298087	3.413450241	-0.238555722	0.811450103	0.998677884	Not Sig
ENSG00000259473	LINC02205	long intergenic non-protein coding RNA 2205	105370880	0.459167718	-0.813417692	3.477916883	-0.233880716	0.815077584	0.998677884	Not Sig
ENSG00000228961	LINC01690	long intergenic non-protein coding RNA 1690	102724502	0.457643933	-0.813374153	3.481198408	-0.233647744	0.815258459	0.998677884	Not Sig
ENSG00000229563	LINC01204	long intergenic non-protein coding RNA 1204	101927528	0.457643933	-0.813374153	3.481198408	-0.233647744	0.815258459	0.998677884	Not Sig
ENSG00000269908	NA	NA	NA	0.457643933	-0.813374153	3.481198408	-0.233647744	0.815258459	0.998677884	Not Sig
ENSG00000258331	LINC02461	long intergenic non-protein coding RNA 2461	105369740	1.868391922	-0.809395839	2.097346965	-0.385914135	0.699560262	0.998677884	Not Sig
ENSG00000260591	NA	NA	NA	15.73605104	-0.807493937	1.020219627	-0.791490298	0.428657935	0.998677884	Not Sig
ENSG00000268543	NA	NA	NA	15.20997235	-0.80653472	0.994027358	-0.811380807	0.417147018	0.998677884	Not Sig
ENSG00000258714	NA	NA	NA	8.325413554	-0.80625619	1.158506428	-0.695944512	0.48646358	0.998677884	Not Sig
ENSG00000270178	NA	NA	NA	1.36521587	-0.80388334	2.247913034	-0.357613185	0.72063281	0.998677884	Not Sig
ENSG00000272565	NA	NA	NA	321.3678501	-0.801188295	0.783151744	-1.023030724	0.30629332	0.998677884	Not Sig
ENSG00000267067	NA	NA	NA	1.854179447	-0.801009005	2.068874246	-0.387171432	0.698629298	0.998677884	Not Sig
ENSG00000267183	NA	NA	NA	26.83114797	-0.798761741	0.850749624	-0.938891676	0.347786363	0.998677884	Not Sig
ENSG00000270058	NA	NA	NA	3.200131766	-0.797961131	1.920738101	-0.415445047	0.677816136	0.998677884	Not Sig
ENSG00000228793	NA	NA	NA	5.14556739	-0.79736339	1.578479857	-0.505146383	0.613456026	0.998677884	Not Sig
ENSG00000272143	FGF14-AS2	FGF14 antisense RNA 2	283481	27.4219783	-0.796778856	1.317644095	-0.604699599	0.545378615	0.998677884	Not Sig
ENSG00000203650	LINC01285	long intergenic non-protein coding RNA 1285	101928287	7.794809315	-0.79513018	1.019985839	-0.779550214	0.43565567	0.998677884	Not Sig
ENSG00000269942	NA	NA	NA	11.87329899	-0.790509295	1.031739938	-0.766190458	0.443562985	0.998677884	Not Sig

ENSG00000227136	NA	NA	NA	1.75776662	-0.789671814	1.624968735	-0.485961235	0.626994651	0.998677884	Not Sig
ENSG00000260645	NA	NA	NA	13.93520007	-0.788173897	0.936804663	-0.841342842	0.400155896	0.998677884	Not Sig
ENSG00000260911	NA	NA	NA	10.96100389	-0.786269725	1.059191073	-0.742330393	0.457887182	0.998677884	Not Sig
ENSG00000268401	NA	NA	NA	2.213276186	-0.783119394	1.578264434	-0.496190231	0.619760203	0.998677884	Not Sig
ENSG00000223714	LOC105373185	uncharacterized LOC105373185	105373185	0.860516033	-0.78297439	2.560296993	-0.305813893	0.75974635	0.998677884	Not Sig
ENSG00000267606	NA	NA	NA	3.464819184	-0.781544867	1.309885523	-0.596651275	0.55074023	0.998677884	Not Sig
ENSG00000248954	NA	NA	NA	10.71120754	-0.776511207	1.221027476	-0.635949004	0.524809661	0.998677884	Not Sig
ENSG00000272255	NA	NA	NA	1.484616721	-0.776255904	2.597223992	-0.298879075	0.765032314	0.998677884	Not Sig
ENSG00000258285	NA	NA	NA	3.102064292	-0.774964682	1.942125522	-0.399029143	0.689871731	0.998677884	Not Sig
ENSG00000244733	NA	NA	NA	1.485907534	-0.774016399	2.664357487	-0.290507713	0.771427851	0.998677884	Not Sig
ENSG00000226276	NA	NA	NA	10.5493465	-0.770097549	1.203460012	-0.639902897	0.52223573	0.998677884	Not Sig
ENSG00000259915	NA	NA	NA	25.12256222	-0.769816928	0.948378764	-0.811718859	0.416952971	0.998677884	Not Sig
ENSG00000228251	NA	NA	NA	15.31849878	-0.768246776	1.218351407	-0.630562555	0.528326589	0.998677884	Not Sig
ENSG00000260065	NA	NA	NA	138.1086787	-0.76808361	0.916113364	-0.838415462	0.401797408	0.998677884	Not Sig
ENSG00000256360	NA	NA	NA	7.986985134	-0.768041099	0.943508728	-0.814026491	0.415629775	0.998677884	Not Sig
ENSG00000261775	NA	NA	NA	12.43182331	-0.767883346	0.970017236	-0.791618249	0.428583303	0.998677884	Not Sig
ENSG00000225135	NA	NA	NA	63.11468749	-0.766464898	1.019779539	-0.751598624	0.452292471	0.998677884	Not Sig
ENSG00000231429	NA	NA	NA	1.732855186	-0.763174065	1.701319443	-0.44857776	0.65373628	0.998677884	Not Sig
ENSG00000227036	LINC00511	long intergenic non-protein coding RNA 511	400619	417.8149922	-0.762533171	1.078247327	-0.707196903	0.479444123	0.998677884	Not Sig
ENSG00000261925	NA	NA	NA	4.979816485	-0.760316602	1.742248776	-0.436399562	0.662546857	0.998677884	Not Sig
ENSG00000272365	NA	NA	NA	10.24037853	-0.759386842	0.910720469	-0.833830872	0.404376296	0.998677884	Not Sig
ENSG00000228918	LINC01344	long intergenic non-protein coding RNA 1344	400799	6.04814966	-0.758426418	1.150577345	-0.659170303	0.509786414	0.998677884	Not Sig
ENSG00000233895	NA	NA	NA	154.8471844	-0.757293858	0.816188075	-0.927842347	0.353489354	0.998677884	Not Sig
ENSG00000229352	NA	NA	NA	0.446712001	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000237343	NA	NA	NA	0.446712001	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000255772	LINC01479	long intergenic non-protein coding RNA 1479	101927922	0.446712001	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000262921	NA	NA	NA	0.446712001	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000264486	NA	NA	NA	0.445188216	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000268804	NA	NA	NA	0.446712001	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000273030	NA	NA	NA	0.446712001	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000232806	NA	NA	NA	0.478264618	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000233798	NA	NA	NA	0.478264618	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000243550	NA	NA	NA	0.478264618	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000249356	NA	NA	NA	0.478264618	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000254605	NA	NA	NA	0.478264618	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig

ENSG00000255947	NA	NA	NA	0.478264618	-0.755792249	4.0534112	-0.186458321	0.85208536	0.998677884	Not Sig
ENSG00000212694	LINC01089	long intergenic non-protein coding RNA 1089	338799	267.0942049	-0.752403965	0.681641348	-1.103812096	0.269674657	0.998677884	Not Sig
ENSG00000270661	NA	NA	NA	16.10515171	-0.747569685	0.824598996	-0.906585733	0.364625909	0.998677884	Not Sig
ENSG00000260423	LINC02367	long intergenic non-protein coding RNA 2367	101930452	18.29408779	-0.744639587	0.779061226	-0.955816516	0.339164943	0.998677884	Not Sig
ENSG00000272369	NA	NA	NA	35.67879964	-0.744593926	0.87906948	-0.847025113	0.396981124	0.998677884	Not Sig
ENSG00000258048	NA	NA	NA	6.028163352	-0.742288055	1.089642418	-0.681221695	0.495731222	0.998677884	Not Sig
ENSG00000270109	NA	NA	NA	2.493067267	-0.737893915	1.94207861	-0.379950591	0.703982092	0.998677884	Not Sig
ENSG00000231246	NA	NA	NA	6.465565991	-0.737171304	1.516558314	-0.48608174	0.626909213	0.998677884	Not Sig
ENSG00000261842	NA	NA	NA	1.792366807	-0.736021582	1.782420993	-0.412933636	0.679655236	0.998677884	Not Sig
ENSG00000255992	NA	NA	NA	3.905339041	-0.73549338	1.340727377	-0.548577878	0.583295171	0.998677884	Not Sig
ENSG00000235884	LINC00941	long intergenic non-protein coding RNA 941	100287314	4.92445993	-0.73504664	1.441099811	-0.510059494	0.610009782	0.998677884	Not Sig
ENSG00000250387	NA	NA	NA	3.67399346	-0.734824602	1.696037807	-0.433259565	0.66482621	0.998677884	Not Sig
ENSG00000273156	NA	NA	NA	9.746491604	-0.727896257	1.006500032	-0.723195464	0.469559805	0.998677884	Not Sig
ENSG00000229195	NA	NA	NA	9.53174439	-0.72677208	1.06566682	-0.681988091	0.495246482	0.998677884	Not Sig
ENSG00000231611	NA	NA	NA	13.57759475	-0.724715462	0.856470639	-0.846164982	0.397460714	0.998677884	Not Sig
ENSG00000233536	NA	NA	NA	2.56655839	-0.720496633	1.76723842	-0.407696339	0.683496626	0.998677884	Not Sig
ENSG00000237253	NA	NA	NA	1.657462668	-0.71444638	1.828775441	-0.390669277	0.696041711	0.998677884	Not Sig
ENSG00000205037	LOC400553	uncharacterized LOC400553	400553	1.646763709	-0.714322836	2.554973456	-0.279581314	0.779798745	0.998677884	Not Sig
ENSG00000268392	NA	NA	NA	6.569067257	-0.713592134	1.104445431	-0.646109001	0.518208767	0.998677884	Not Sig
ENSG00000257835	NA	NA	NA	4.534557126	-0.713588085	1.245235665	-0.573054647	0.566607694	0.998677884	Not Sig
ENSG00000265750	NA	NA	NA	9.723675286	-0.710617355	1.038058815	-0.684563672	0.493619297	0.998677884	Not Sig
ENSG00000272192	NA	NA	NA	1.764640775	-0.709912075	1.867641566	-0.38011152	0.703862635	0.998677884	Not Sig
ENSG00000228950	NA	NA	NA	19.37611259	-0.709341129	1.505462082	-0.471178343	0.637513383	0.998677884	Not Sig
ENSG00000249476	NA	NA	NA	100.0520332	-0.709041111	0.724003285	-0.979334107	0.327414923	0.998677884	Not Sig
ENSG00000230880	NA	NA	NA	18.6994368	-0.708082691	1.42498134	-0.496906641	0.619254888	0.998677884	Not Sig
ENSG00000248112	NA	NA	NA	1.729197033	-0.707547571	1.889937266	-0.374376221	0.708124432	0.998677884	Not Sig
ENSG00000263126	NA	NA	NA	8.532164331	-0.706569115	1.079578949	-0.654485821	0.512798859	0.998677884	Not Sig
ENSG00000225484	NUTM2B-AS1	NUTM2B antisense RNA 1	101060691	164.5279611	-0.7047866	0.697857799	-1.009928671	0.312529465	0.998677884	Not Sig
ENSG00000260910	LINC00565	long intergenic non-protein coding RNA 565	100861555	4.562876502	-0.703560313	1.401333392	-0.502064902	0.615621868	0.998677884	Not Sig
ENSG00000271911	NA	NA	NA	3.791499517	-0.70189782	1.307444689	-0.536847047	0.591373271	0.998677884	Not Sig
ENSG00000271259	NA	NA	NA	7.172744308	-0.701326993	1.072329094	-0.654022163	0.513097527	0.998677884	Not Sig
ENSG00000226578	NA	NA	NA	23.57377578	-0.699601174	0.871913235	-0.802374762	0.422336208	0.998677884	Not Sig
ENSG00000269720	LOC105372343	uncharacterized LOC105372343	105372343	9.677486731	-0.69553026	1.141188612	-0.609478795	0.542207124	0.998677884	Not Sig
ENSG00000232977	LINC00327	long intergenic non-protein coding RNA 327	100506697	28.90437708	-0.695104949	1.194175832	-0.58207923	0.560513315	0.998677884	Not Sig
ENSG00000259321	NA	NA	NA	17.23259641	-0.686257147	0.891905002	-0.769428522	0.441638962	0.998677884	Not Sig

ENSG00000270557	NA	NA	NA	14.04336951	-0.685730139	0.912516306	-0.751471655	0.452368853	0.998677884	Not Sig
ENSG00000251555	NA	NA	NA	1.272396655	-0.682339278	2.316005229	-0.294619057	0.768284902	0.998677884	Not Sig
ENSG00000264043	NA	NA	NA	15.99726279	-0.680966312	0.946811766	-0.719220373	0.472005149	0.998677884	Not Sig
ENSG00000234608	MAPKAPK5-AS1	MAPKAPK5 antisense RNA 1	51275	46.57790485	-0.678504061	0.755880122	-0.897634482	0.36938045	0.998677884	Not Sig
ENSG00000259004	LINC02285	long intergenic non-protein coding RNA 2285	101929422	4.564000664	-0.676333333	1.588539488	-0.425757959	0.670284224	0.998677884	Not Sig
ENSG00000240423	LINC00636	long intergenic non-protein coding RNA 636	285205	1.34413102	-0.67557503	2.00243508	-0.337376745	0.735832913	0.998677884	Not Sig
ENSG00000213373	LINC00671	long intergenic non-protein coding RNA 671	388387	1.275444226	-0.675385662	2.315786883	-0.291644135	0.770558727	0.998677884	Not Sig
ENSG00000259920	NA	NA	NA	1.275444226	-0.675385662	2.315786883	-0.291644135	0.770558727	0.998677884	Not Sig
ENSG00000257877	NA	NA	NA	56.98257086	-0.66271291	1.01757887	-0.651264417	0.514875814	0.998677884	Not Sig
ENSG00000238290	NA	NA	NA	41.89544106	-0.660992801	1.177966063	-0.561130598	0.574708511	0.998677884	Not Sig
ENSG00000178440	NA	NA	NA	75.50437159	-0.65511325	0.773515036	-0.846930207	0.397034024	0.998677884	Not Sig
ENSG00000232412	LOC101928402	uncharacterized LOC101928402	101928402	7.178608256	-0.6547032	1.089309899	-0.60102566	0.547822896	0.998677884	Not Sig
ENSG00000272140	NA	NA	NA	66.14994709	-0.654294744	0.837969156	-0.780810056	0.434914218	0.998677884	Not Sig
ENSG00000264433	NA	NA	NA	10.68190512	-0.653416493	1.191605503	-0.548349677	0.583451823	0.998677884	Not Sig
ENSG00000272994	NA	NA	NA	40.70702065	-0.649369691	0.747952266	-0.868196702	0.385286659	0.998677884	Not Sig
ENSG00000235477	NA	NA	NA	127.1278331	-0.649186804	0.719601334	-0.90214786	0.366978328	0.998677884	Not Sig
ENSG00000225675	LINC01771	long intergenic non-protein coding RNA 1771	105378732	1.74700312	-0.645084479	1.874481528	-0.344140216	0.73074084	0.998677884	Not Sig
ENSG00000261433	NA	NA	NA	3.707244894	-0.64332842	1.234092608	-0.521296713	0.60216009	0.998677884	Not Sig
ENSG00000272076	NA	NA	NA	16.5678553	-0.640387001	1.019514903	-0.628129122	0.529919357	0.998677884	Not Sig
ENSG00000267711	NA	NA	NA	6.58112513	-0.637201088	1.498383604	-0.425258984	0.67064789	0.998677884	Not Sig
ENSG00000273307	NA	NA	NA	2.499541798	-0.637131915	1.673411422	-0.380738357	0.703397404	0.998677884	Not Sig
ENSG00000231842	NA	NA	NA	22.09367435	-0.636794424	0.950807679	-0.669740514	0.50302322	0.998677884	Not Sig
ENSG00000152487	NA	NA	NA	20.83983529	-0.633305427	0.742791129	-0.852602303	0.393879885	0.998677884	Not Sig
ENSG00000248491	NA	NA	NA	14.25412686	-0.627564045	1.124503504	-0.558081005	0.576789071	0.998677884	Not Sig
ENSG00000259865	NA	NA	NA	85.84508319	-0.62496639	1.072857609	-0.582525011	0.5602131	0.998677884	Not Sig
ENSG00000251072	LMNB1-DT	LMNB1 divergent transcript	102723557	1.19829495	-0.624372792	2.353983921	-0.265240891	0.790823896	0.998677884	Not Sig
ENSG00000261542	NA	NA	NA	25.363136	-0.619475039	0.938741007	-0.659899838	0.509318108	0.998677884	Not Sig
ENSG00000230649	NA	NA	NA	3.873468677	-0.619460084	1.54295591	-0.401476206	0.688069553	0.998677884	Not Sig
ENSG00000272688	NA	NA	NA	52.45481625	-0.619283762	0.978748475	-0.632730244	0.526909816	0.998677884	Not Sig
ENSG00000224934	NA	NA	NA	52.29765635	-0.618237687	0.790488147	-0.782096088	0.434158106	0.998677884	Not Sig
ENSG00000247877	NA	NA	NA	9.251815701	-0.616911155	1.283492454	-0.480650395	0.630764992	0.998677884	Not Sig
ENSG00000271590	NA	NA	NA	22.6781479	-0.614493823	0.902451946	-0.680915838	0.495924746	0.998677884	Not Sig
ENSG00000248161	NA	NA	NA	6.480105023	-0.61247247	1.018630853	-0.601270291	0.547659974	0.998677884	Not Sig
ENSG00000272112	NA	NA	NA	11.81156326	-0.611741522	1.107409143	-0.552407866	0.580668943	0.998677884	Not Sig
ENSG00000228434	NA	NA	NA	158.2008459	-0.611621424	0.725350337	-0.843208299	0.399111958	0.998677884	Not Sig

ENSG00000225916	NA	NA	NA	1.636610791	-0.611262225	1.952477082	-0.313070115	0.754227393	0.998677884	Not Sig
ENSG00000267201	LINC01775	long intergenic non-protein coding RNA 1775	101928602	0.853410686	-0.605451375	2.560759486	-0.236434299	0.813095683	0.998677884	Not Sig
ENSG00000257272	NA	NA	NA	3.261823705	-0.604158451	1.439914617	-0.419579358	0.67479277	0.998677884	Not Sig
ENSG00000235100	NA	NA	NA	3.646610892	-0.600889431	1.655534676	-0.362957925	0.716636315	0.998677884	Not Sig
ENSG00000237585	NA	NA	NA	0.854934471	-0.600619076	2.560188499	-0.234599552	0.814519557	0.998677884	Not Sig
ENSG00000261087	NA	NA	NA	63.81061115	-0.599553705	0.752271848	-0.796990751	0.425456403	0.998677884	Not Sig
ENSG00000225643	NA	NA	NA	10.85244176	-0.595994563	0.908254931	-0.656197443	0.511697094	0.998677884	Not Sig
ENSG00000261341	LOC105372440	uncharacterized LOC105372440	105372440	1.29301734	-0.59404391	2.254190816	-0.263528671	0.792143128	0.998677884	Not Sig
ENSG00000229373	NA	NA	NA	0.769220603	-0.592281458	3.018745909	-0.196201163	0.844452718	0.998677884	Not Sig
ENSG00000232837	LINC01700	long intergenic non-protein coding RNA 1700	101928435	0.769220603	-0.592281458	3.018745909	-0.196201163	0.844452718	0.998677884	Not Sig
ENSG00000267268	NA	NA	NA	0.769220603	-0.592281458	3.018745909	-0.196201163	0.844452718	0.998677884	Not Sig
ENSG00000255458	NA	NA	NA	14.18079261	-0.591453241	0.952591359	-0.620888733	0.534672835	0.998677884	Not Sig
ENSG00000228857	NA	NA	NA	6.244369908	-0.590224287	1.050354568	-0.561928615	0.574164657	0.998677884	Not Sig
ENSG00000260193	NA	NA	NA	8.168889115	-0.587623949	0.949800642	-0.618681356	0.536126294	0.998677884	Not Sig
ENSG00000230400	LINC01747	long intergenic non-protein coding RNA 1747	105372566	2.062237943	-0.587539197	2.006148501	-0.292869245	0.769622097	0.998677884	Not Sig
ENSG00000225498	NA	NA	NA	4.49952317	-0.585723449	1.248182009	-0.469261249	0.63888291	0.998677884	Not Sig
ENSG00000259995	NA	NA	NA	0.925145051	-0.58566444	2.936068387	-0.199472343	0.841893276	0.998677884	Not Sig
ENSG00000235621	LINC00494	long intergenic non-protein coding RNA 494	284749	9.817685411	-0.584626386	1.281065011	-0.456359654	0.648131373	0.998677884	Not Sig
ENSG00000225218	NA	NA	NA	19.01843783	-0.583951633	1.003819814	-0.581729534	0.560748875	0.998677884	Not Sig
ENSG00000249375	CASC11	cancer susceptibility 11 (non-protein coding)	100270680	3.708704138	-0.583847444	1.334800675	-0.437404217	0.661818227	0.998677884	Not Sig
ENSG00000251273	LINC02228	long intergenic non-protein coding RNA 2228	105374694	0.772268174	-0.581255587	3.016810133	-0.192672247	0.84721566	0.998677884	Not Sig
ENSG00000254952	NA	NA	NA	0.772268174	-0.581255587	3.016810133	-0.192672247	0.84721566	0.998677884	Not Sig
ENSG00000242924	NA	NA	NA	0.840954969	-0.579130306	2.281407637	-0.253847799	0.799613145	0.998677884	Not Sig
ENSG00000259894	NA	NA	NA	3.226446285	-0.578834713	1.299860238	-0.445305346	0.656099105	0.998677884	Not Sig
ENSG00000254288	NA	NA	NA	6.692541154	-0.578808814	1.121216354	-0.516232939	0.605691727	0.998677884	Not Sig
ENSG00000272892	NA	NA	NA	4.250946159	-0.578056521	1.565522009	-0.369242028	0.711947332	0.998677884	Not Sig
ENSG00000238078	LINC01352	long intergenic non-protein coding RNA 1352	101929730	1.173616488	-0.577445968	2.314142548	-0.249529126	0.802951514	0.998677884	Not Sig
ENSG00000272692	NA	NA	NA	15.35528305	-0.5764452	0.876928478	-0.657345741	0.510958631	0.998677884	Not Sig
ENSG00000259423	NA	NA	NA	2.049782226	-0.575198697	1.995396454	-0.288262864	0.773145531	0.998677884	Not Sig
ENSG00000271538	LINC02427	long intergenic non-protein coding RNA 2427	105377585	9.536560803	-0.57309247	1.212907481	-0.472494794	0.636573657	0.998677884	Not Sig
ENSG00000272871	NA	NA	NA	45.97182173	-0.569652607	0.936614279	-0.60820406	0.543052142	0.998677884	Not Sig
ENSG00000256039	NA	NA	NA	11.60275952	-0.569168028	0.932600458	-0.61030211	0.541661699	0.998677884	Not Sig
ENSG00000259448	NA	NA	NA	15.65360625	-0.567633584	0.989814246	-0.573474858	0.566323218	0.998677884	Not Sig
ENSG00000272144	NA	NA	NA	25.25316362	-0.566360839	0.731863216	-0.7738616	0.43901264	0.998677884	Not Sig
ENSG00000272077	NA	NA	NA	28.06075537	-0.565289101	0.818879252	-0.690320459	0.489992685	0.998677884	Not Sig

ENSG00000273175	NA	NA	NA	4.044013604	-0.564860028	1.197382504	-0.471745684	0.637108325	0.998677884	Not Sig
ENSG00000245532	NEAT1	nuclear paraspeckle assembly transcript 1 (non-protein coding)	283131	80601.26309	-0.564483232	0.812232556	-0.694977353	0.487069495	0.998677884	Not Sig
ENSG00000204792	LINC01291	long intergenic non-protein coding RNA 1291	102724515	1.243827068	-0.563782724	2.091816478	-0.269518253	0.787530898	0.998677884	Not Sig
ENSG00000266389	NA	NA	NA	12.79092024	-0.563641985	1.235876825	-0.456066474	0.648342178	0.998677884	Not Sig
ENSG00000267381	NA	NA	NA	20.51327112	-0.561499432	0.851483234	-0.659436863	0.509615277	0.998677884	Not Sig
ENSG00000273448	NA	NA	NA	39.93124309	-0.56104034	0.935803728	-0.599527789	0.548820984	0.998677884	Not Sig
ENSG00000270171	NA	NA	NA	0.756764886	-0.559545302	3.026767629	-0.184865629	0.85333443	0.998677884	Not Sig
ENSG00000273014	NA	NA	NA	60.1393564	-0.556860044	1.176421098	-0.47335095	0.635962818	0.998677884	Not Sig
ENSG00000267397	NA	NA	NA	8.278231985	-0.552094755	1.076630853	-0.512798563	0.608092235	0.998677884	Not Sig
ENSG00000267289	LOC100996288	uncharacterized LOC100996288	100996288	0.759812457	-0.548511549	3.024765851	-0.181340168	0.856100579	0.998677884	Not Sig
ENSG00000233220	NA	NA	NA	5.035125789	-0.54516099	1.54029093	-0.353933779	0.723388511	0.998677884	Not Sig
ENSG00000250670	NA	NA	NA	2.733969192	-0.54410631	1.465399001	-0.371302498	0.710412237	0.998677884	Not Sig
ENSG00000235358	NA	NA	NA	19.80614869	-0.540248701	1.316621766	-0.410329462	0.681564282	0.998677884	Not Sig
ENSG00000260331	NA	NA	NA	5.211815558	-0.536884238	1.112810259	-0.482458024	0.629480611	0.998677884	Not Sig
ENSG00000226202	NA	NA	NA	3.707926904	-0.534322336	1.530240088	-0.349175492	0.726957564	0.998677884	Not Sig
ENSG00000272761	NA	NA	NA	496.3560725	-0.533850237	0.979697727	-0.544913214	0.585813208	0.998677884	Not Sig
ENSG00000230454	NA	NA	NA	78.82631674	-0.53263638	0.852067654	-0.625110433	0.531898581	0.998677884	Not Sig
ENSG00000266573	LOC105372028	uncharacterized LOC105372028	105372028	2.492771534	-0.524690889	2.017970862	-0.26000915	0.794856715	0.998677884	Not Sig
ENSG00000272690	LINC02018	long intergenic non-protein coding RNA 2018	107986100	50.58407839	-0.523154686	0.877167247	-0.59641384	0.550898797	0.998677884	Not Sig
ENSG00000271966	NA	NA	NA	10.80685859	-0.522406429	1.052685869	-0.496260513	0.619710622	0.998677884	Not Sig
ENSG00000256538	NA	NA	NA	3.540492406	-0.521103174	1.570238569	-0.331862422	0.739993147	0.998677884	Not Sig
ENSG00000257556	NA	NA	NA	46.6388347	-0.521038179	0.851191446	-0.612128072	0.540453026	0.998677884	Not Sig
ENSG00000227946	NA	NA	NA	86.18046263	-0.520149025	0.78123092	-0.665807013	0.505534462	0.998677884	Not Sig
ENSG00000269038	NA	NA	NA	8.055527245	-0.517736894	1.040802195	-0.49744024	0.618878635	0.998677884	Not Sig
ENSG00000269974	NA	NA	NA	13.51234233	-0.517068004	1.847268514	-0.279909499	0.779546939	0.998677884	Not Sig
ENSG00000269928	NA	NA	NA	40.59468004	-0.516263911	0.691985158	-0.746062115	0.455629893	0.998677884	Not Sig
ENSG00000268573	NA	NA	NA	87.34848204	-0.514457818	0.684300037	-0.751801534	0.452170419	0.998677884	Not Sig
ENSG00000232411	NA	NA	NA	12.78202731	-0.51430676	0.920687948	-0.558611374	0.576426976	0.998677884	Not Sig
ENSG00000256152	NA	NA	NA	8.229868361	-0.514235255	0.935702194	-0.549571496	0.582613314	0.998677884	Not Sig
ENSG00000272379	NA	NA	NA	9.928758068	-0.513755062	1.104623356	-0.465095237	0.641863257	0.998677884	Not Sig
ENSG00000258569	NA	NA	NA	5.13145206	-0.510084414	1.101903273	-0.462912151	0.643427338	0.998677884	Not Sig
ENSG00000248441	LINC01197	long intergenic non-protein coding RNA 1197	400456	18.22708516	-0.509110941	1.130302479	-0.450420087	0.652407564	0.998677884	Not Sig
ENSG00000248441	LOC105370994	uncharacterized LOC105370994	105370994	18.22708516	-0.509110941	1.130302479	-0.450420087	0.652407564	0.998677884	Not Sig
ENSG00000226756	NA	NA	NA	3.335083636	-0.508709954	1.40062614	-0.363201813	0.716454133	0.998677884	Not Sig
ENSG00000270346	NA	NA	NA	18.40856717	-0.506045615	0.921111377	-0.549385913	0.582740639	0.998677884	Not Sig

ENSG00000260804	LINC01963	long intergenic non-protein coding RNA 1963	150967	92.00840473	-0.503439547	0.913496872	-0.551112503	0.581556555	0.998677884	Not Sig
ENSG00000272201	NA	NA	NA	66.35270781	-0.503078701	0.680614717	-0.739153426	0.459813838	0.998677884	Not Sig
ENSG00000273272	NA	NA	NA	26.09977856	-0.502853695	0.875487517	-0.574369919	0.565717504	0.998677884	Not Sig
ENSG00000260810	NA	NA	NA	4.371872576	-0.502485089	1.1994935	-0.418914391	0.675278699	0.998677884	Not Sig
ENSG00000260317	NA	NA	NA	24.43491332	-0.500282829	1.194483221	-0.418827841	0.675341956	0.998677884	Not Sig
ENSG00000241288	LOC101927056	uncharacterized LOC101927056	101927056	99.19378965	-0.498718002	0.606215675	-0.822674211	0.410693284	0.998677884	Not Sig
ENSG00000268649	NA	NA	NA	1.9403031	-0.497601245	1.887203396	-0.263671233	0.792033264	0.998677884	Not Sig
ENSG00000249988	NA	NA	NA	2.811053927	-0.495601297	1.388843449	-0.356844608	0.721208139	0.998677884	Not Sig
ENSG00000237989	LINC01679	long intergenic non-protein coding RNA 1679	101928399	37.46994898	-0.491274768	0.848905332	-0.578715612	0.56278108	0.998677884	Not Sig
ENSG00000273487	NA	NA	NA	2.656653265	-0.490972675	1.457267358	-0.336913245	0.7361823	0.998677884	Not Sig
ENSG00000266930	NA	NA	NA	21.86334548	-0.49065593	0.853040555	-0.575184763	0.565166346	0.998677884	Not Sig
ENSG00000234177	LINC01114	long intergenic non-protein coding RNA 1114	284998	0.802297005	-0.490446932	2.579461392	-0.190135403	0.849203028	0.998677884	Not Sig
ENSG00000269946	NA	NA	NA	39.4297583	-0.486778003	0.858841042	-0.566784747	0.570860435	0.998677884	Not Sig
ENSG00000260179	NA	NA	NA	7.040370976	-0.486416188	0.997305992	-0.487730137	0.625741002	0.998677884	Not Sig
ENSG00000272791	NA	NA	NA	5.078603636	-0.485197421	1.166056419	-0.416101153	0.677335986	0.998677884	Not Sig
ENSG00000269939	NA	NA	NA	37.95989618	-0.484418074	0.890095811	-0.544231383	0.586282259	0.998677884	Not Sig
ENSG00000272452	NA	NA	NA	47.40655028	-0.483057915	0.868928845	-0.555923443	0.578263191	0.998677884	Not Sig
ENSG00000229246	NA	NA	NA	1.877133326	-0.479649567	2.138471566	-0.224295508	0.822527371	0.998677884	Not Sig
ENSG00000261097	LINC00563	long intergenic non-protein coding RNA 563	100861554	0.87403137	-0.478559914	2.552750409	-0.187468353	0.851293435	0.998677884	Not Sig
ENSG00000266312	NA	NA	NA	1.842133516	-0.477841536	2.022633705	-0.236247194	0.813240861	0.998677884	Not Sig
ENSG00000267838	NA	NA	NA	23.47344639	-0.474676706	0.742851116	-0.638993058	0.522827448	0.998677884	Not Sig
ENSG00000241679	NA	NA	NA	10.20246384	-0.472701194	1.240711772	-0.380991947	0.703209224	0.998677884	Not Sig
ENSG00000260837	NA	NA	NA	17.35692287	-0.470864713	0.834793167	-0.564049554	0.572720408	0.998677884	Not Sig
ENSG00000197332	NA	NA	NA	5.704967872	-0.466639527	1.310742049	-0.356011717	0.721831791	0.998677884	Not Sig
ENSG00000238266	LINC00707	long intergenic non-protein coding RNA 707	100507127	4.05634024	-0.466629805	1.636692913	-0.285105289	0.775563478	0.998677884	Not Sig
ENSG00000265485	LINC01915	long intergenic non-protein coding RNA 1915	729950	4.075335028	-0.465239679	1.387541954	-0.335297738	0.7374005	0.998677884	Not Sig
ENSG00000260468	NA	NA	NA	67.99167382	-0.464298407	0.902294678	-0.514575136	0.606849943	0.998677884	Not Sig
ENSG00000272065	NA	NA	NA	7.599080968	-0.463829894	1.03397266	-0.448590095	0.65372738	0.998677884	Not Sig
ENSG00000196559	NA	NA	NA	14.11950708	-0.462960061	0.998429719	-0.463688182	0.642871166	0.998677884	Not Sig
ENSG00000253627	NA	NA	NA	1.180257671	-0.462054204	2.055985406	-0.22473613	0.822184556	0.998677884	Not Sig
ENSG00000229321	NA	NA	NA	7.578172834	-0.459813845	1.286379898	-0.35744794	0.720756493	0.998677884	Not Sig
ENSG00000226067	NA	NA	NA	56.92046537	-0.459004536	0.648918743	-0.707337461	0.479356791	0.998677884	Not Sig
ENSG00000235999	NA	NA	NA	175.9090688	-0.456647286	0.619530336	-0.737086241	0.461069906	0.998677884	Not Sig
ENSG00000263063	LOC101929552	uncharacterized LOC101929552	101929552	2.581260747	-0.456577759	1.562005159	-0.292302337	0.770055472	0.998677884	Not Sig
ENSG00000260025	NA	NA	NA	11.60747532	-0.449422208	1.002549542	-0.448279301	0.653951637	0.998677884	Not Sig

ENSG00000264469	NA	NA	NA	101.6295525	-0.449375896	0.671680424	-0.669032296	0.503474876	0.998677884	Not Sig
ENSG00000264083	NA	NA	NA	6.592342873	-0.448511608	1.303228486	-0.344154239	0.730730294	0.998677884	Not Sig
ENSG00000227502	LINC01268	long intergenic non-protein coding RNA 1268	285758	35.68338262	-0.447735696	1.090250248	-0.410672409	0.681312761	0.998677884	Not Sig
ENSG00000230366	DSCR9	Down syndrome critical region 9 (non-protein coding)	257203	3.771839767	-0.44743073	1.449700165	-0.308636738	0.757597871	0.998677884	Not Sig
ENSG00000225706	NA	NA	NA	6.227521429	-0.445681878	1.195938102	-0.372662998	0.709399279	0.998677884	Not Sig
ENSG00000266935	NA	NA	NA	4.566463369	-0.44567281	1.254258663	-0.355327672	0.722344127	0.998677884	Not Sig
ENSG00000225975	LINC01534	long intergenic non-protein coding RNA 1534	101927621	42.08291783	-0.445149115	0.699159975	-0.636691359	0.524325903	0.998677884	Not Sig
ENSG00000255299	NA	NA	NA	3.61081694	-0.445140226	1.325157832	-0.335914874	0.736935061	0.998677884	Not Sig
ENSG00000247363	LOC100507250	uncharacterized LOC100507250	100507250	9.760167043	-0.440355063	1.161491102	-0.379129089	0.704592006	0.998677884	Not Sig
ENSG00000259539	NA	NA	NA	17.11297341	-0.440015511	0.82823965	-0.531265934	0.595234509	0.998677884	Not Sig
ENSG00000224015	LOC107987500	uncharacterized LOC107987500	107987500	2.180145405	-0.437965122	2.094173772	-0.209135043	0.834342819	0.998677884	Not Sig
ENSG00000266970	LOC101928674	uncharacterized LOC101928674	101928674	46.25870191	-0.434253946	0.955569326	-0.454445256	0.649508386	0.998677884	Not Sig
ENSG00000254266	PKIA-AS1	PKIA antisense RNA 1	101927003	5.952170841	-0.433035964	1.126818788	-0.38429956	0.700756434	0.998677884	Not Sig
ENSG00000273416	NA	NA	NA	4.371669999	-0.427276285	1.458741926	-0.292907387	0.769592943	0.998677884	Not Sig
ENSG00000258066	NA	NA	NA	4.323741925	-0.427193281	1.153561861	-0.370325421	0.711140035	0.998677884	Not Sig
ENSG00000236799	LOC102724589	uncharacterized LOC102724589	102724589	2.684547728	-0.420017369	1.368956498	-0.306815717	0.758983645	0.998677884	Not Sig
ENSG00000270154	NA	NA	NA	23.72309886	-0.419672408	1.00544734	-0.417398695	0.676386809	0.998677884	Not Sig
ENSG00000267279	NA	NA	NA	8.940556965	-0.418695906	1.198775082	-0.349269777	0.726886786	0.998677884	Not Sig
ENSG00000269973	NA	NA	NA	87.55019228	-0.418281051	0.625623141	-0.668583087	0.503761464	0.998677884	Not Sig
ENSG00000250682	NA	NA	NA	1.44501141	-0.416644491	2.260984785	-0.184275672	0.853797198	0.998677884	Not Sig
ENSG00000256150	ITFG2-AS1	ITFG2 antisense RNA 1	283440	2.599066834	-0.416232382	1.507706083	-0.276069976	0.782494321	0.998677884	Not Sig
ENSG00000270100	NA	NA	NA	7.496370423	-0.41557884	0.980597679	-0.423801574	0.67171053	0.998677884	Not Sig
ENSG00000249685	NA	NA	NA	15.190092	-0.414434436	0.824474186	-0.502665145	0.615199719	0.998677884	Not Sig
ENSG00000269996	NA	NA	NA	186.3993009	-0.413556778	0.737432052	-0.560806622	0.574929372	0.998677884	Not Sig
ENSG00000248508	SRP14-AS1	SRP14 antisense RNA1 (head to head)	100131089	129.9506026	-0.40870635	0.837050546	-0.488269618	0.625358879	0.998677884	Not Sig
ENSG00000271009	NA	NA	NA	12.66048235	-0.404301064	0.991903474	-0.407601218	0.68356647	0.998677884	Not Sig
ENSG00000259869	NA	NA	NA	2.987559807	-0.404230932	1.579246992	-0.255964351	0.797978364	0.998677884	Not Sig
ENSG00000261353	NA	NA	NA	14.8975497	-0.403796736	1.134826448	-0.355822458	0.721973529	0.998677884	Not Sig
ENSG00000273032	DGCR9	DiGeorge syndrome critical region gene 9 (non-protein coding)	25787	7.659881718	-0.403689618	1.817783042	-0.222077997	0.824253166	0.998677884	Not Sig
ENSG00000226453	NA	NA	NA	21.65803588	-0.402722237	1.200032522	-0.335592769	0.737177978	0.998677884	Not Sig
ENSG00000231690	LINC00574	long intergenic non-protein coding RNA 574	80069	7.771768645	-0.402276446	1.186558012	-0.339028047	0.734588601	0.998677884	Not Sig
ENSG00000269220	LINC00528	long intergenic non-protein coding RNA 528	200298	19.80737678	-0.400766637	0.916903601	-0.437086992	0.66204826	0.998677884	Not Sig
ENSG00000237248	LINC00987	long intergenic non-protein coding RNA 987	100499405	62.91199495	-0.399567975	1.039024465	-0.3845607	0.700562916	0.998677884	Not Sig
ENSG00000253476	NA	NA	NA	13.16838095	-0.394873415	0.844181513	-0.467758899	0.639957016	0.998677884	Not Sig
ENSG00000262837	NA	NA	NA	44.40260482	-0.394527511	0.710617423	-0.555189753	0.578764877	0.998677884	Not Sig

ENSG00000228512	NA	NA	NA	3.340609039	-0.394363072	1.282303757	-0.307542631	0.758430379	0.998677884	Not Sig
ENSG00000236066	NA	NA	NA	9.518265073	-0.393536111	0.904302686	-0.435181844	0.66343044	0.998677884	Not Sig
ENSG00000267730	NA	NA	NA	1.504290058	-0.384435968	1.710744253	-0.22471855	0.822198233	0.998677884	Not Sig
ENSG00000256582	NA	NA	NA	3.03156814	-0.384063377	1.649943967	-0.232773588	0.815937223	0.998677884	Not Sig
ENSG00000231083	NA	NA	NA	1.057409625	-0.380993052	2.375579052	-0.160379025	0.872582511	0.998677884	Not Sig
ENSG00000253369	NA	NA	NA	0.835373406	-0.372502197	2.979980387	-0.12500156	0.900522315	0.998677884	Not Sig
ENSG00000224137	LINC01857	long intergenic non-protein coding RNA 1857	102724714	9.488233245	-0.368808755	1.245440685	-0.296127114	0.767133008	0.998677884	Not Sig
ENSG00000124915	DKFZP434K028	uncharacterized LOC26070	26070	2.26133555	-0.36839436	2.021777003	-0.182213152	0.855415452	0.998677884	Not Sig
ENSG00000268362	NA	NA	NA	351.3459478	-0.367591369	0.685087569	-0.536561142	0.591570791	0.998677884	Not Sig
ENSG00000257900	NA	NA	NA	4.794964054	-0.364837791	1.462600454	-0.249444604	0.803016886	0.998677884	Not Sig
ENSG00000226091	LINC00937	long intergenic non-protein coding RNA 937	389634	33.10550691	-0.364505579	0.909731615	-0.400673751	0.688660339	0.998677884	Not Sig
ENSG00000270189	NA	NA	NA	90.15832793	-0.363174539	0.911860956	-0.398278419	0.690424967	0.998677884	Not Sig
ENSG00000261532	NA	NA	NA	3.548521117	-0.362949116	1.674808863	-0.216710768	0.828433755	0.998677884	Not Sig
ENSG00000203499	FAM83H-AS1	FAM83H antisense RNA 1 (head to head)	100128338	933.4350179	-0.362913767	1.051006287	-0.345301233	0.72986792	0.998677884	Not Sig
ENSG00000270750	NA	NA	NA	4.018741896	-0.361619392	1.890112724	-0.191321601	0.848273639	0.998677884	Not Sig
ENSG00000267130	NA	NA	NA	4.223165748	-0.361511519	1.471564394	-0.245664763	0.805941751	0.998677884	Not Sig
ENSG00000214347	NA	NA	NA	1.11539746	-0.360599423	2.101553259	-0.171587097	0.863762152	0.998677884	Not Sig
ENSG00000235499	NA	NA	NA	85.30507194	-0.358351598	0.765332233	-0.468230112	0.63962004	0.998677884	Not Sig
ENSG00000248538	LOC101929128	uncharacterized LOC101929128	101929128	12.76112828	-0.355050424	1.428627608	-0.248525524	0.803727824	0.998677884	Not Sig
ENSG00000273403	NA	NA	NA	6.874405883	-0.354157186	1.07592583	-0.329165056	0.742030934	0.998677884	Not Sig
ENSG00000271020	NA	NA	NA	17.6297805	-0.353425915	1.112930153	-0.317563428	0.750816119	0.998677884	Not Sig
ENSG00000250312	ZNF718	zinc finger protein 718	255403	289.7074697	-0.353223258	0.73011908	-0.48378856	0.628535935	0.998677884	Not Sig
ENSG00000136315	NA	NA	NA	1.116921245	-0.351286349	2.365847869	-0.148482222	0.881962215	0.998677884	Not Sig
ENSG00000272593	NA	NA	NA	18.55969057	-0.350793419	0.982546367	-0.357024798	0.721073241	0.998677884	Not Sig
ENSG00000232611	NA	NA	NA	99.49922147	-0.349061625	0.756971709	-0.461129023	0.64470604	0.998677884	Not Sig
ENSG00000266538	NA	NA	NA	50.53446979	-0.345435822	0.839819658	-0.41132143	0.680836858	0.998677884	Not Sig
ENSG00000257084	MIR200CHG	MIR200C and MIR141 host gene	105369635	42.84120173	-0.345096572	0.935185137	-0.369014175	0.712117159	0.998677884	Not Sig
ENSG00000234571	NA	NA	NA	2.724498285	-0.345010903	1.427826114	-0.241633697	0.809064009	0.998677884	Not Sig
ENSG00000259725	NA	NA	NA	4.605298146	-0.343195595	1.545731444	-0.222027957	0.82429212	0.998677884	Not Sig
ENSG00000226237	GAS1RR	GAS1 adjacent regulatory RNA	100506834	17.05993941	-0.340310788	1.191333098	-0.285655446	0.775142032	0.998677884	Not Sig
ENSG00000268038	LINC01785	long intergenic non-protein coding RNA 1785	374890	0.822917689	-0.339663568	2.986810896	-0.113721149	0.909458846	0.998677884	Not Sig
ENSG00000233013	NA	NA	NA	13.70764182	-0.338525186	0.977521381	-0.346309751	0.729109941	0.998677884	Not Sig
ENSG00000250551	NA	NA	NA	10.45853772	-0.337847526	1.21176526	-0.278806083	0.780393646	0.998677884	Not Sig
ENSG00000254802	NA	NA	NA	2.495315687	-0.336798124	1.748276249	-0.192645827	0.847236352	0.998677884	Not Sig
ENSG00000231028	LINC00271	long intergenic non-protein coding RNA 271	100131814	48.81647211	-0.336093215	0.839774875	-0.400218231	0.688995788	0.998677884	Not Sig

ENSG00000271967	NA	NA	NA	4.542128372	-0.335989403	1.438593434	-0.233554106	0.815331161	0.998677884	Not Sig
ENSG00000267339	LINC00906	long intergenic non-protein coding RNA 906	148145	1.101417958	-0.335856438	2.324037726	-0.144514194	0.885094449	0.998677884	Not Sig
ENSG00000237857	NA	NA	NA	31.51267294	-0.335375775	0.986156966	-0.340083563	0.7337936	0.998677884	Not Sig
ENSG00000236438	NA	NA	NA	127.0998951	-0.335239902	0.702635079	-0.477118083	0.633278039	0.998677884	Not Sig
ENSG00000188825	LINC00910	long intergenic non-protein coding RNA 910	100130581	195.6815064	-0.333243306	0.802007742	-0.415511333	0.67776762	0.998677884	Not Sig
ENSG00000272960	NA	NA	NA	13.16680939	-0.331243141	0.963050265	-0.343952079	0.730882325	0.998677884	Not Sig
ENSG00000215483	LINC00548	long intergenic non-protein coding RNA 548	400123	9.860447011	-0.329383302	0.930767098	-0.353883698	0.723426045	0.998677884	Not Sig
ENSG00000215483	LINC00598	long intergenic non-protein coding RNA 598	646982	9.860447011	-0.329383302	0.930767098	-0.353883698	0.723426045	0.998677884	Not Sig
ENSG00000261786	NA	NA	NA	34.88806955	-0.323989343	1.110011404	-0.291879292	0.770378917	0.998677884	Not Sig
ENSG00000260359	NA	NA	NA	229.6480679	-0.323221827	0.680766066	-0.474791332	0.634935712	0.998677884	Not Sig
ENSG00000273476	NA	NA	NA	2.765698622	-0.320923155	1.664310297	-0.192826515	0.847094837	0.998677884	Not Sig
ENSG00000272940	NA	NA	NA	4.27208052	-0.317683421	1.435335144	-0.221330483	0.824835117	0.998677884	Not Sig
ENSG00000260539	NA	NA	NA	655.3646706	-0.31767428	0.665744225	-0.477171665	0.633239886	0.998677884	Not Sig
ENSG00000228488	NA	NA	NA	0.700469268	-0.317399663	3.790885961	-0.083727041	0.933273457	0.998677884	Not Sig
ENSG00000231210	NA	NA	NA	0.700469268	-0.317399663	3.790885961	-0.083727041	0.933273457	0.998677884	Not Sig
ENSG00000260177	NA	NA	NA	0.700469268	-0.317399663	3.790885961	-0.083727041	0.933273457	0.998677884	Not Sig
ENSG00000272335	NA	NA	NA	143.4967835	-0.313361667	0.714009426	-0.438876092	0.660751321	0.998677884	Not Sig
ENSG00000270143	NA	NA	NA	30.43914383	-0.310971126	0.862928531	-0.360367185	0.718572563	0.998677884	Not Sig
ENSG00000248175	NA	NA	NA	112.6238627	-0.307044217	0.797107005	-0.385198242	0.700090546	0.998677884	Not Sig
ENSG00000259548	NA	NA	NA	6.017570017	-0.306592498	1.223989222	-0.250486273	0.802211319	0.998677884	Not Sig
ENSG00000257261	NA	NA	NA	90.50802591	-0.305857687	0.808068378	-0.37850471	0.705055695	0.998677884	Not Sig
ENSG00000234519	LOC102724357	uncharacterized LOC102724357	102724357	0.703516838	-0.30519397	3.787428294	-0.080580791	0.935775343	0.998677884	Not Sig
ENSG00000236740	LOC101927189	uncharacterized LOC101927189	101927189	0.703516838	-0.30519397	3.787428294	-0.080580791	0.935775343	0.998677884	Not Sig
ENSG00000270988	NA	NA	NA	1.092009811	-0.304139985	2.369681112	-0.128346377	0.897874865	0.998677884	Not Sig
ENSG00000272576	NA	NA	NA	4.229196348	-0.301674848	1.225669789	-0.246130606	0.805581131	0.998677884	Not Sig
ENSG00000272347	NA	NA	NA	24.44707375	-0.300789305	1.46026974	-0.205982016	0.836804959	0.998677884	Not Sig
ENSG00000236700	NA	NA	NA	25.96066124	-0.30004571	1.289219423	-0.232734401	0.815967654	0.998677884	Not Sig
ENSG00000232098	NA	NA	NA	195.9769873	-0.296458946	0.763369146	-0.388355945	0.697752642	0.998677884	Not Sig
ENSG00000225493	LINC01107	long intergenic non-protein coding RNA 1107	151171	1.231140159	-0.296164484	2.760190153	-0.10729858	0.914552111	0.998677884	Not Sig
ENSG00000227060	NA	NA	NA	2.214448078	-0.29593139	1.696825931	-0.174402916	0.861548823	0.998677884	Not Sig
ENSG00000260923	NA	NA	NA	9.607518173	-0.293951247	0.893709715	-0.328911325	0.742222714	0.998677884	Not Sig
ENSG00000242622	NA	NA	NA	55.09614301	-0.291923338	0.759956072	-0.384131857	0.700880721	0.998677884	Not Sig
ENSG00000242086	SDHAP2	succinate dehydrogenase complex flavoprotein subunit A pseudogene 2	727956	1194.582635	-0.291024887	0.696965268	-0.4175601	0.676268774	0.998677884	Not Sig
ENSG00000237927	NA	NA	NA	28.68401864	-0.290792704	1.218753973	-0.238598364	0.811417034	0.998677884	Not Sig
ENSG00000249628	NA	NA	NA	16.01847936	-0.290583419	1.476024486	-0.196868969	0.843930077	0.998677884	Not Sig

ENSG00000267167	NA	NA	NA	10.30139389	-0.290438451	0.937345923	-0.309851938	0.756673553	0.998677884	Not Sig
ENSG00000223647	LINC01946	long intergenic non-protein coding RNA 1946	105374449	0.701993053	-0.289851729	3.150668871	-0.091996887	0.926700513	0.998677884	Not Sig
ENSG00000271862	NA	NA	NA	36.55921625	-0.287973407	0.865788318	-0.332614106	0.739425594	0.998677884	Not Sig
ENSG00000268340	NA	NA	NA	2.762040469	-0.287311849	1.627369821	-0.17654982	0.859862013	0.998677884	Not Sig
ENSG00000249426	NA	NA	NA	1.778499577	-0.28496185	1.846734985	-0.154305762	0.877368654	0.998677884	Not Sig
ENSG00000267093	NA	NA	NA	2.133538539	-0.280972203	1.815005885	-0.154805119	0.876974955	0.998677884	Not Sig
ENSG00000272361	NA	NA	NA	3.614986989	-0.277881786	1.26719216	-0.219289382	0.826424633	0.998677884	Not Sig
ENSG00000260672	NA	NA	NA	12.46458365	-0.276866782	1.034569363	-0.267615485	0.78899531	0.998677884	Not Sig
ENSG00000263874	LINC00672	long intergenic non-protein coding RNA 672	100505576	39.08231928	-0.276451469	0.756189851	-0.365584738	0.714674965	0.998677884	Not Sig
ENSG00000268471	LINC02486	long intergenic non-protein coding RNA 2486	54553	98.11648092	-0.276100422	0.719723868	-0.383619933	0.701260164	0.998677884	Not Sig
ENSG00000250842	NA	NA	NA	1.834963627	-0.273290156	1.750856709	-0.15608939	0.875962561	0.998677884	Not Sig
ENSG00000268816	NA	NA	NA	14.900191	-0.272698751	1.113970865	-0.244798818	0.806612209	0.998677884	Not Sig
ENSG00000237356	NA	NA	NA	30.3178992	-0.272647013	0.905189014	-0.30120451	0.763258551	0.998677884	Not Sig
ENSG00000223804	NA	NA	NA	101.5820229	-0.270359653	0.613253423	-0.44086122	0.65931347	0.998677884	Not Sig
ENSG00000267414	LOC101927943	uncharacterized LOC101927943	101927943	27.91693633	-0.269758892	1.018628619	-0.264825557	0.791143848	0.998677884	Not Sig
ENSG00000224511	LINC00365	long intergenic non-protein coding RNA 365	100874146	12.69526469	-0.265250365	1.430720262	-0.185396385	0.852918143	0.998677884	Not Sig
ENSG00000232053	NA	NA	NA	4.347474819	-0.263461492	1.50793205	-0.174717085	0.861301943	0.998677884	Not Sig
ENSG00000227456	LINC00310	long intergenic non-protein coding RNA 310	114036	33.98029675	-0.263306129	0.879801962	-0.29927886	0.764727283	0.998677884	Not Sig
ENSG00000249601	NA	NA	NA	1.136018145	-0.261560918	2.319622237	-0.112760136	0.910220724	0.998677884	Not Sig
ENSG00000261610	NA	NA	NA	2.480093006	-0.260378271	1.66094048	-0.156765564	0.875429613	0.998677884	Not Sig
ENSG00000272567	NA	NA	NA	4.857717296	-0.259515709	1.87997831	-0.138041863	0.890207332	0.998677884	Not Sig
ENSG00000268707	NA	NA	NA	5.27473733	-0.257801299	1.303034762	-0.197846832	0.843164904	0.998677884	Not Sig
ENSG00000273211	NA	NA	NA	10.63297387	-0.257699152	0.909743792	-0.283265633	0.776973219	0.998677884	Not Sig
ENSG00000233137	NA	NA	NA	1375.879505	-0.255470271	0.767655524	-0.332792852	0.739290654	0.998677884	Not Sig
ENSG00000272093	NA	NA	NA	61.6397521	-0.249224307	0.685136761	-0.363758481	0.716038369	0.998677884	Not Sig
ENSG00000271344	NA	NA	NA	5.868094811	-0.248709801	1.058509414	-0.234962295	0.814237998	0.998677884	Not Sig
ENSG00000227911	NA	NA	NA	20.63712975	-0.246151549	0.873415098	-0.281826533	0.778076525	0.998677884	Not Sig
ENSG00000231346	NA	NA	NA	8.675267775	-0.246045898	0.924713387	-0.26607801	0.79017913	0.998677884	Not Sig
ENSG00000206567	NA	NA	NA	59.60692679	-0.245040933	0.824274531	-0.297280729	0.766252193	0.998677884	Not Sig
ENSG00000247400	DNAJC3-AS1	DNAJC3 antisense RNA 1 (head to head)	100289274	109.7011671	-0.244617267	0.745967754	-0.327919358	0.742972637	0.998677884	Not Sig
ENSG00000267583	NA	NA	NA	10.4849596	-0.243563359	1.029620651	-0.236556404	0.813000945	0.998677884	Not Sig
ENSG00000272695	GAS6-AS2	GAS6 antisense RNA 2 (head to head)	100506394	11.0790226	-0.239079112	1.019021811	-0.234616285	0.814506569	0.998677884	Not Sig
ENSG00000272630	NA	NA	NA	33.46375257	-0.232248073	0.741181872	-0.313348291	0.754016065	0.998677884	Not Sig
ENSG00000272024	NA	NA	NA	3.947184344	-0.23213309	1.247661416	-0.186054555	0.852401979	0.998677884	Not Sig
ENSG00000264112	NA	NA	NA	397.6390236	-0.231926564	0.871604347	-0.266091564	0.790168692	0.998677884	Not Sig

ENSG00000224957	LINC01266	long intergenic non-protein coding RNA 1266	101927215	33.03331121	-0.23013104	0.871623712	-0.264025676	0.791760134	0.998677884	Not Sig
ENSG00000261404	LOC101928035	uncharacterized LOC101928035	101928035	3.447520028	-0.230039585	1.403749776	-0.163875065	0.869829497	0.998677884	Not Sig
ENSG00000230490	NA	NA	NA	34.49034563	-0.229607807	0.901439702	-0.25471233	0.798945292	0.998677884	Not Sig
ENSG00000248714	LOC102724596	uncharacterized LOC102724596	102724596	4.358687356	-0.22868104	1.251400337	-0.182740114	0.855001939	0.998677884	Not Sig
ENSG00000272908	NA	NA	NA	25.21294207	-0.228237622	1.059637801	-0.21539211	0.829461621	0.998677884	Not Sig
ENSG00000260979	NA	NA	NA	1.388083194	-0.228033725	2.264575726	-0.100696003	0.919791784	0.998677884	Not Sig
ENSG00000245556	SCAMP1-AS1	SCAMP1 antisense RNA 1	728769	101.1093261	-0.227310521	0.726421332	-0.31291829	0.754342742	0.998677884	Not Sig
ENSG00000249241	LINC02265	long intergenic non-protein coding RNA 2265	101060498	2.012214278	-0.22642652	2.485610624	-0.091094928	0.927417163	0.998677884	Not Sig
ENSG00000273290	NA	NA	NA	174.4085821	-0.22577853	0.606537529	-0.372241649	0.709712939	0.998677884	Not Sig
ENSG00000273456	NA	NA	NA	22.69686219	-0.223560614	1.016373057	-0.219959209	0.825902923	0.998677884	Not Sig
ENSG00000234509	NA	NA	NA	6.94655514	-0.223310437	1.214036618	-0.183940446	0.854060175	0.998677884	Not Sig
ENSG00000246067	RAB30-AS1	RAB30 antisense RNA 1 (head to head)	100506233	253.2371594	-0.222939457	0.670117833	-0.332686948	0.739370603	0.998677884	Not Sig
ENSG00000268355	NA	NA	NA	6.640917408	-0.22251025	1.123859305	-0.197987638	0.843054735	0.998677884	Not Sig
ENSG00000239407	NA	NA	NA	92.40027102	-0.221825571	0.753860649	-0.294252753	0.768564773	0.998677884	Not Sig
ENSG00000214870	NA	NA	NA	63.25161477	-0.22163051	0.869983983	-0.254752403	0.79891434	0.998677884	Not Sig
ENSG00000268316	NA	NA	NA	1.517805395	-0.221349855	1.917173898	-0.115456326	0.908083435	0.998677884	Not Sig
ENSG00000260563	NA	NA	NA	57.39667207	-0.216329116	0.794672027	-0.2722244	0.785449482	0.998677884	Not Sig
ENSG00000273190	NA	NA	NA	7.624793383	-0.216062937	1.082814144	-0.19953834	0.841841655	0.998677884	Not Sig
ENSG00000237753	NA	NA	NA	27.55132928	-0.210218226	0.743410243	-0.28277553	0.777348913	0.998677884	Not Sig
ENSG00000232884	NA	NA	NA	6.429219777	-0.20953666	1.637907532	-0.127929481	0.89820478	0.998677884	Not Sig
ENSG00000223891	OSER1-AS1	OSER1 antisense RNA 1 (head to head)	100505783	125.0646442	-0.208635927	0.678413483	-0.307535054	0.758436146	0.998677884	Not Sig
ENSG00000249669	NA	NA	NA	1116.03989	-0.208635264	0.766209343	-0.272295379	0.785394909	0.998677884	Not Sig
ENSG00000265533	LOC643542	uncharacterized LOC643542	643542	1.716686937	-0.208165713	1.826250678	-0.11398529	0.909249454	0.998677884	Not Sig
ENSG00000247624	CPEB2-AS1	CPEB2 antisense RNA 1 (head to head)	441009	20.12533445	-0.207644059	0.834544007	-0.248811395	0.803506676	0.998677884	Not Sig
ENSG00000230709	NA	NA	NA	6.420655186	-0.207158169	1.859829338	-0.11138558	0.911310594	0.998677884	Not Sig
ENSG00000269814	NA	NA	NA	1.013569723	-0.204096954	2.429387984	-0.084011675	0.933047149	0.998677884	Not Sig
ENSG00000273015	NA	NA	NA	188.0132017	-0.204060936	0.69191285	-0.294922889	0.768052787	0.998677884	Not Sig
ENSG00000269892	NA	NA	NA	3.769389432	-0.203107027	1.487344259	-0.136556837	0.891381096	0.998677884	Not Sig
ENSG00000234155	LINC02535	long intergenic non-protein coding RNA 2535	101928820	18.27076125	-0.202659708	1.884395735	-0.107546257	0.914355631	0.998677884	Not Sig
ENSG00000234810	NA	NA	NA	1.015093508	-0.200481764	2.42907461	-0.082534214	0.934221912	0.998677884	Not Sig
ENSG00000226562	NA	NA	NA	3.804628816	-0.197644171	1.233183359	-0.16027152	0.872667193	0.998677884	Not Sig
ENSG00000270019	NA	NA	NA	28.18227055	-0.197619147	0.754965889	-0.261759041	0.793507219	0.998677884	Not Sig
ENSG00000214293	APTR	Alu-mediated CDMNA/p21 transcriptional regulator (non-protein coding)	100505854	218.8311921	-0.196897943	0.707261917	-0.278394663	0.780709416	0.998677884	Not Sig
ENSG00000258689	LINC01269	long intergenic non-protein coding RNA 1269	103695436	4.1005748	-0.192724319	1.528262932	-0.126106781	0.8996474	0.998677884	Not Sig
ENSG00000272370	NA	NA	NA	4.982731885	-0.189860379	1.229065004	-0.154475457	0.877234861	0.998677884	Not Sig

ENSG00000232229	LINC00865	long intergenic non-protein coding RNA 865	643529	90.98543462	-0.189237397	0.975814209	-0.193927692	0.846232501	0.998677884	Not Sig
ENSG00000267651	NA	NA	NA	8.270426276	-0.188893566	1.511075541	-0.125006038	0.90051877	0.998677884	Not Sig
ENSG00000231507	LINC01353	long intergenic non-protein coding RNA 1353	100506775	6.176865265	-0.188830685	1.198714977	-0.157527593	0.874829064	0.998677884	Not Sig
ENSG00000231485	NA	NA	NA	28.92465878	-0.188548352	1.143316676	-0.164913498	0.869012068	0.998677884	Not Sig
ENSG00000273148	NA	NA	NA	22.61687456	-0.188214297	0.78657888	-0.239282164	0.810886794	0.998677884	Not Sig
ENSG00000273265	NA	NA	NA	6.222065627	-0.185680982	1.199562968	-0.154790525	0.876986461	0.998677884	Not Sig
ENSG00000226281	NA	NA	NA	7.707340662	-0.184675139	1.041879369	-0.177251939	0.8593105	0.998677884	Not Sig
ENSG00000271576	NA	NA	NA	7.056349116	-0.1842514	1.110868918	-0.165862414	0.868265227	0.998677884	Not Sig
ENSG00000261386	NA	NA	NA	13.70104341	-0.180770712	0.990317487	-0.18253814	0.855160426	0.998677884	Not Sig
ENSG00000237096	NA	NA	NA	0.733545669	-0.180511057	3.127184389	-0.057723189	0.953969122	0.998677884	Not Sig
ENSG00000271983	NA	NA	NA	7.331536378	-0.180359392	0.964731732	-0.186952896	0.851697565	0.998677884	Not Sig
ENSG00000266913	LINC01841	long intergenic non-protein coding RNA 1841	105372288	4.120748227	-0.180097875	1.670022061	-0.107841615	0.914121332	0.998677884	Not Sig
ENSG00000247373	NA	NA	NA	27.0574871	-0.179893765	0.886509451	-0.202923686	0.839194681	0.998677884	Not Sig
ENSG00000269975	NA	NA	NA	1.395356973	-0.179390303	2.294191215	-0.078193265	0.937674319	0.998677884	Not Sig
ENSG00000225434	LINC01504	long intergenic non-protein coding RNA 1504	100507540	150.1253567	-0.174577925	0.678118162	-0.257444697	0.796835502	0.998677884	Not Sig
ENSG00000268913	NA	NA	NA	27.10592543	-0.17448473	0.702904091	-0.24823405	0.803953322	0.998677884	Not Sig
ENSG00000273193	NA	NA	NA	30.19539266	-0.171112906	1.298847627	-0.131742094	0.89518829	0.998677884	Not Sig
ENSG00000235117	NA	NA	NA	7.327158743	-0.169110125	1.261388096	-0.134066688	0.893349841	0.998677884	Not Sig
ENSG00000235497	NA	NA	NA	1.748239553	-0.168445346	1.786833445	-0.094270312	0.924894433	0.998677884	Not Sig
ENSG00000272520	NA	NA	NA	73.64962454	-0.165852163	0.731282211	-0.226796386	0.820582074	0.998677884	Not Sig
ENSG00000265728	NA	NA	NA	0.664858874	-0.162246978	3.181182316	-0.0510021	0.959323847	0.998677884	Not Sig
ENSG00000272519	NA	NA	NA	0.664858874	-0.162246978	3.181182316	-0.0510021	0.959323847	0.998677884	Not Sig
ENSG00000262074	SNORD3B-2	small nucleolar RNA, C/D box 3B-2	780852	37.35880406	-0.161415881	1.493931773	-0.108047693	0.91395786	0.998677884	Not Sig
ENSG00000259711	NA	NA	NA	2.145530091	-0.159249627	1.732156243	-0.091937219	0.92674792	0.998677884	Not Sig
ENSG00000257742	NA	NA	NA	242.9178162	-0.159164575	1.049982231	-0.151587875	0.879511997	0.998677884	Not Sig
ENSG00000225857	NA	NA	NA	3.55423397	-0.158577512	1.335535328	-0.11873704	0.90548369	0.998677884	Not Sig
ENSG00000257086	NA	NA	NA	26.83007235	-0.157360363	0.940940191	-0.16723737	0.867183281	0.998677884	Not Sig
ENSG00000230417	LINC00595	long intergenic non-protein coding RNA 595	414243	2.865096258	-0.157204114	1.33866649	-0.117433368	0.906516643	0.998677884	Not Sig
ENSG00000230417	LINC00856	long intergenic non-protein coding RNA 856	100132987	2.865096258	-0.157204114	1.33866649	-0.117433368	0.906516643	0.998677884	Not Sig
ENSG00000267737	NA	NA	NA	19.98360711	-0.155388453	0.935713408	-0.166064151	0.868106466	0.998677884	Not Sig
ENSG00000271889	NA	NA	NA	0.663335089	-0.153244474	2.733651929	-0.056058517	0.95529519	0.998677884	Not Sig
ENSG00000229694	LINC00484	long intergenic non-protein coding RNA 484	100129347	2.050807701	-0.147113988	1.670563655	-0.088062486	0.929827013	0.998677884	Not Sig
ENSG00000203801	LINC00222	long intergenic non-protein coding RNA 222	387111	14.61168203	-0.143728859	1.038317196	-0.138424809	0.889904691	0.998677884	Not Sig
ENSG00000230939	NA	NA	NA	3.303820105	-0.142804185	1.375939428	-0.10378668	0.917338637	0.998677884	Not Sig
ENSG00000259071	NA	NA	NA	26.24892469	-0.140026075	0.769785981	-0.181902605	0.85565916	0.998677884	Not Sig

ENSG00000224445	LINC01708	long intergenic non-protein coding RNA 1708	101928270	2.386896181	-0.138756095	1.727596421	-0.080317424	0.9359848	0.998677884	Not Sig
ENSG00000272129	NA	NA	NA	27.56230478	-0.138230573	0.94585315	-0.146143799	0.883807871	0.998677884	Not Sig
ENSG00000260896	LINC02170	long intergenic non-protein coding RNA 2170	100996425	3.164217211	-0.136979397	1.279007583	-0.10709819	0.914711083	0.998677884	Not Sig
ENSG00000261584	NA	NA	NA	36.07910541	-0.135330931	0.763491948	-0.177252597	0.859309983	0.998677884	Not Sig
ENSG00000241213	LINC02024	long intergenic non-protein coding RNA 2024	105374057	14.14182088	-0.13111417	1.624638773	-0.080703583	0.935677687	0.998677884	Not Sig
ENSG00000271755	NA	NA	NA	8.0997894	-0.130722678	1.102278797	-0.118593117	0.905597719	0.998677884	Not Sig
ENSG00000237921	NA	NA	NA	0.649355587	-0.130115936	3.194730616	-0.040728297	0.967512503	0.998677884	Not Sig
ENSG00000270134	NA	NA	NA	0.649355587	-0.130115936	3.194730616	-0.040728297	0.967512503	0.998677884	Not Sig
ENSG00000272947	NA	NA	NA	9.258686721	-0.128762678	1.000998623	-0.128634221	0.897647087	0.998677884	Not Sig
ENSG00000249328	LOC101927040	uncharacterized LOC101927040	101927040	2.276670504	-0.123494136	1.648807112	-0.07489908	0.940295009	0.998677884	Not Sig
ENSG00000260682	NA	NA	NA	55.26308055	-0.120214739	0.843340431	-0.142545922	0.886648809	0.998677884	Not Sig
ENSG00000224034	NA	NA	NA	8.899855033	-0.120184495	1.037302887	-0.115862489	0.907761524	0.998677884	Not Sig
ENSG00000179219	LINC00311	long intergenic non-protein coding RNA 311	197196	7.480251686	-0.118877474	1.023064818	-0.116197402	0.907496096	0.998677884	Not Sig
ENSG00000232224	NA	NA	NA	16.58834193	-0.117252181	0.939143613	-0.124850108	0.900642217	0.998677884	Not Sig
ENSG00000260633	NA	NA	NA	7.668434268	-0.117000208	1.104887316	-0.10589334	0.915666978	0.998677884	Not Sig
ENSG00000253395	NA	NA	NA	8.754498683	-0.11366726	1.389186923	-0.08182287	0.93478757	0.998677884	Not Sig
ENSG00000256128	NA	NA	NA	16.54688718	-0.112099431	0.994456419	-0.112724327	0.910249114	0.998677884	Not Sig
ENSG00000255002	LINC02324	long intergenic non-protein coding RNA 2324	100128233	3.960067085	-0.112059204	2.345838231	-0.047769365	0.961900052	0.998677884	Not Sig
ENSG00000225163	LINC00618	long intergenic non-protein coding RNA 618	145249	2.09136884	-0.111673653	1.727146157	-0.064657906	0.948446379	0.998677884	Not Sig
ENSG00000254610	NA	NA	NA	13.55806104	-0.109972383	1.071928488	-0.102593022	0.918285981	0.998677884	Not Sig
ENSG00000258913	C14orf144	chromosome 14 open reading frame 144 (putative)	145195	8.820229517	-0.109071817	1.172681914	-0.093010574	0.925895161	0.998677884	Not Sig
ENSG00000272141	NA	NA	NA	76.77190049	-0.108827978	0.789284826	-0.137881756	0.890333869	0.998677884	Not Sig
ENSG00000258733	NA	NA	NA	34.81644201	-0.104938917	0.766443901	-0.136916631	0.891096693	0.998677884	Not Sig
ENSG00000259070	LINC00639	long intergenic non-protein coding RNA 639	283547	77.50188169	-0.104393101	1.150300964	-0.090752859	0.927688969	0.998677884	Not Sig
ENSG00000231527	NA	NA	NA	3.745799206	-0.10394001	1.585570255	-0.065553708	0.947733145	0.998677884	Not Sig
ENSG00000272853	NA	NA	NA	19.27017043	-0.103034431	0.785721876	-0.131133464	0.895669729	0.998677884	Not Sig
ENSG00000245468	NA	NA	NA	12.1412299	-0.102451462	1.064695464	-0.096226072	0.923341025	0.998677884	Not Sig
ENSG00000267539	NA	NA	NA	1.289536	-0.102222061	2.301647147	-0.044412568	0.964575543	0.998677884	Not Sig
ENSG00000269619	NA	NA	NA	2.6611057	-0.097092216	1.585815006	-0.061225437	0.951179672	0.998677884	Not Sig
ENSG00000259673	IQCH-AS1	IQCH antisense RNA 1	100506686	139.7435313	-0.095700833	0.628370665	-0.152299969	0.878950349	0.998677884	Not Sig
ENSG00000267475	NA	NA	NA	8.568139179	-0.09520196	0.951827911	-0.100020139	0.920328337	0.998677884	Not Sig
ENSG00000260011	NA	NA	NA	1.67132325	-0.092766238	1.834254334	-0.05057436	0.959664695	0.998677884	Not Sig
ENSG00000272440	NA	NA	NA	10.7650243	-0.091063679	0.916800955	-0.099327645	0.92087813	0.998677884	Not Sig
ENSG00000270964	NA	NA	NA	16.73508991	-0.090905339	0.989587045	-0.091861892	0.926807769	0.998677884	Not Sig
ENSG00000267002	NA	NA	NA	93.96935338	-0.090440979	0.667060252	-0.135581424	0.892152191	0.998677884	Not Sig

ENSG00000259959	NA	NA	NA	116.8257732	-0.088115137	0.923097232	-0.095455965	0.923952665	0.998677884	Not Sig
ENSG00000260260	SNHG19	small nucleolar RNA host gene 19	100507303	111.8448217	-0.085626679	0.871541581	-0.098247382	0.921735859	0.998677884	Not Sig
ENSG00000248866	USP46-AS1	USP46 antisense RNA 1	643783	63.83935755	-0.08410711	0.666758381	-0.126143312	0.899618484	0.998677884	Not Sig
ENSG00000267058	LOC100505715	uncharacterized LOC100505715	100505715	19.8326509	-0.083696761	0.985898678	-0.084893877	0.93234576	0.998677884	Not Sig
ENSG00000261618	NA	NA	NA	86.88847377	-0.080121391	0.876117321	-0.091450528	0.927134615	0.998677884	Not Sig
ENSG00000271736	NA	NA	NA	2.954004113	-0.075609174	2.034767703	-0.037158627	0.970358527	0.998677884	Not Sig
ENSG00000223546	LINC00630	long intergenic non-protein coding RNA 630	100287765	203.2129023	-0.074966363	0.75268107	-0.099599108	0.920662602	0.998677884	Not Sig
ENSG00000236453	NA	NA	NA	0.766622071	-0.07490447	3.720815455	-0.020131197	0.983938713	0.998677884	Not Sig
ENSG00000270001	NA	NA	NA	8.584050472	-0.072955369	0.954465627	-0.076435827	0.939072367	0.998677884	Not Sig
ENSG00000269990	NA	NA	NA	112.8707108	-0.069958027	0.68312366	-0.102409024	0.918432021	0.998677884	Not Sig
ENSG00000267575	LOC101927151	uncharacterized LOC101927151	101927151	151.361426	-0.065976212	0.70807175	-0.093177297	0.92576271	0.998677884	Not Sig
ENSG00000272040	NA	NA	NA	16.22729481	-0.065444086	0.786660293	-0.083192308	0.933698629	0.998677884	Not Sig
ENSG00000236389	NA	NA	NA	1.334835146	-0.061360349	1.963526916	-0.031250068	0.975070111	0.998677884	Not Sig
ENSG00000261423	TMEM202-AS1	TMEM202 antisense RNA 1	105370888	64.12508147	-0.060990714	0.733229621	-0.08318092	0.933707684	0.998677884	Not Sig
ENSG00000260977	NA	NA	NA	12.50664001	-0.058700447	0.872442791	-0.067282861	0.946356521	0.998677884	Not Sig
ENSG00000270949	NA	NA	NA	109.1239458	-0.056657644	0.686681317	-0.082509371	0.934241666	0.998677884	Not Sig
ENSG00000272416	NA	NA	NA	7.736704532	-0.055972558	0.9590601	-0.058361888	0.953460372	0.998677884	Not Sig
ENSG00000265242	NA	NA	NA	27.3295295	-0.054748933	0.852456024	-0.064224935	0.948791123	0.998677884	Not Sig
ENSG00000272382	NA	NA	NA	4.259451406	-0.054550843	1.311014127	-0.041609653	0.966809878	0.998677884	Not Sig
ENSG00000267232	NA	NA	NA	0.694887706	-0.054517542	2.714760492	-0.020081897	0.983978041	0.998677884	Not Sig
ENSG00000260032	NORAD	non-coding RNA activated by DNA damage	647979	11077.20682	-0.054390875	0.622538619	-0.087369479	0.930377829	0.998677884	Not Sig
ENSG00000260743	NA	NA	NA	5.807620715	-0.054051151	1.162746927	-0.04648574	0.9629231	0.998677884	Not Sig
ENSG00000235475	LINC01372	long intergenic non-protein coding RNA 1372	101929736	30.29550345	-0.053816644	0.758208427	-0.070978694	0.943414713	0.998677884	Not Sig
ENSG00000231496	NA	NA	NA	17.33665001	-0.053099445	1.048349555	-0.050650515	0.95960401	0.998677884	Not Sig
ENSG00000271912	NA	NA	NA	64.33062429	-0.051512751	0.86164229	-0.059784381	0.952327366	0.998677884	Not Sig
ENSG00000249631	NA	NA	NA	4.952109807	-0.049556396	1.398695285	-0.035430444	0.971736509	0.998677884	Not Sig
ENSG00000232077	LINC01031	long intergenic non-protein coding RNA 1031	101929184	5.856644335	-0.047483119	1.230152482	-0.038599377	0.969209799	0.998677884	Not Sig
ENSG00000233754	NA	NA	NA	0.62315334	-0.046469299	3.891796224	-0.011940322	0.990473228	0.998677884	Not Sig
ENSG00000251168	NA	NA	NA	0.62315334	-0.046469299	3.891796224	-0.011940322	0.990473228	0.998677884	Not Sig
ENSG00000258604	NA	NA	NA	0.62315334	-0.046469299	3.891796224	-0.011940322	0.990473228	0.998677884	Not Sig
ENSG00000260118	NA	NA	NA	10.38718477	-0.046236454	0.971069312	-0.047613959	0.962023907	0.998677884	Not Sig
ENSG00000260409	NA	NA	NA	10.79760722	-0.045212481	1.305139347	-0.034641881	0.972365306	0.998677884	Not Sig
ENSG00000240907	NA	NA	NA	1.635712857	-0.042424564	2.228197763	-0.019039856	0.984809311	0.998677884	Not Sig
ENSG00000273356	NA	NA	NA	14.40947043	-0.041532688	0.957910893	-0.04335757	0.9654165	0.998677884	Not Sig
ENSG00000236120	NA	NA	NA	4.306274337	-0.041164433	1.379383824	-0.029842624	0.976192565	0.998677884	Not Sig

ENSG00000250903	NA	NA	NA	846.7267018	-0.040593553	0.700092177	-0.057983154	0.953762047	0.998677884	Not Sig
ENSG00000272992	NA	NA	NA	2.502813913	-0.038187716	1.962818756	-0.019455549	0.984477697	0.998677884	Not Sig
ENSG00000271855	NA	NA	NA	11.65613048	-0.03748325	0.891915302	-0.042025571	0.966478314	0.998677884	Not Sig
ENSG00000271734	NA	NA	NA	4.080066387	-0.037345413	1.290702139	-0.028934184	0.976917082	0.998677884	Not Sig
ENSG00000235408	SNORA71B	small nucleolar RNA, H/ACA box 71B	26776	13.90007868	-0.035995712	0.879280922	-0.04093767	0.967345587	0.998677884	Not Sig
ENSG00000256050	NA	NA	NA	5.543172871	-0.035969317	1.18871928	-0.030258882	0.975860589	0.998677884	Not Sig
ENSG00000265933	LINC00668	long intergenic non-protein coding RNA 668	400643	0.626200911	-0.034233039	3.887445812	-0.008806049	0.992973388	0.998677884	Not Sig
ENSG00000266961	NA	NA	NA	0.626200911	-0.034233039	3.887445812	-0.008806049	0.992973388	0.998677884	Not Sig
ENSG00000261474	NA	NA	NA	44.09078109	-0.028531602	0.706907803	-0.040361137	0.967805213	0.998677884	Not Sig
ENSG00000258647	LINC00930	long intergenic non-protein coding RNA 930	100144604	8.710799805	-0.028458567	1.229166089	-0.023152743	0.981528434	0.998677884	Not Sig
ENSG00000272360	NA	NA	NA	4.076852166	-0.026740694	1.285649513	-0.020799365	0.983405704	0.998677884	Not Sig
ENSG00000254226	LINC01933	long intergenic non-protein coding RNA 1933	101927115	2.933180852	-0.022487854	1.467523227	-0.015323678	0.987773952	0.998677884	Not Sig
ENSG00000271427	NA	NA	NA	3.114562775	-0.020920775	1.65158534	-0.012667087	0.989893397	0.998677884	Not Sig
ENSG00000271646	NA	NA	NA	97.67305911	-0.020189023	0.671033576	-0.030086458	0.975998101	0.998677884	Not Sig
ENSG00000256092	NA	NA	NA	9.958266436	-0.019162428	0.942773783	-0.020325585	0.983783646	0.998677884	Not Sig
ENSG00000248599	FLJ42969	uncharacterized LOC441374	441374	0.995532444	-0.018970854	1.968806624	-0.009635712	0.992311933	0.998677884	Not Sig
ENSG00000259806	NA	NA	NA	41.11790202	-0.017489317	0.75229255	-0.023248027	0.981452429	0.998677884	Not Sig
ENSG00000225860	LINC02072	long intergenic non-protein coding RNA 2072	440446	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000227685	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000236985	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000243083	LINC00870	long intergenic non-protein coding RNA 870	201617	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000244252	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000250603	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000253778	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000255267	LOC399886	uncharacterized LOC399886	399886	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000259093	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000260880	HCCAT5	hepatocellular carcinoma associated transcript 5 (non-protein coding)	283902	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000267211	NA	NA	NA	0.31157667	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000228058	LINC01736	long intergenic non-protein coding RNA 1736	101927532	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000228534	NA	NA	NA	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000229962	NA	NA	NA	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000231979	NA	NA	NA	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000234540	NA	NA	NA	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000256725	NA	NA	NA	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000260902	LINC02011	long intergenic non-protein coding RNA 2011	152274	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig

ENSG00000261231	LINC02133	long intergenic non-protein coding RNA 2133	101927132	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000264174	NA	NA	NA	0.344653072	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000196273	LINC00523	long intergenic non-protein coding RNA 523	283601	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000224099	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000227579	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000231090	MIR4422HG	MIR4422 host gene	109729135	0.350234634	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000249036	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000249091	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000251604	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000253377	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000257141	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000259553	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000259888	NA	NA	NA	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000261156	LINC01989	long intergenic non-protein coding RNA 1989	101927239	0.299120953	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000261501	NA	NA	NA	0.350234634	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000267388	NA	NA	NA	0.350234634	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000272691	NA	NA	NA	0.350234634	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000273493	NA	NA	NA	0.350234634	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000228683	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000233068	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000238043	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000249173	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000256953	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000260612	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000261029	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000261886	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000272856	NA	NA	NA	0.313100455	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000227683	NA	NA	NA	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000230013	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000231512	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000234318	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000235007	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000236747	LINC01282	long intergenic non-protein coding RNA 1282	101927449	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000248837	LOC105374524	uncharacterized LOC105374524	105374524	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000248964	LOC101929470	uncharacterized LOC101929470	101929470	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig

ENSG00000249792	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000249877	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000250436	LINC02499	long intergenic non-protein coding RNA 2499	728040	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000253745	NA	NA	NA	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000254532	NA	NA	NA	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000258312	NA	NA	NA	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000266604	NA	NA	NA	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000267172	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000269972	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000269987	NA	NA	NA	0.383311035	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000272798	NA	NA	NA	0.332197355	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000206129	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000225156	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000225760	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000230229	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000231039	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000236572	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000236961	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000237212	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000249736	LINC02242	long intergenic non-protein coding RNA 2242	105379006	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000253746	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000258119	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000259113	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000259942	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000261185	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000264595	NA	NA	NA	0.300644738	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000268120	NA	NA	NA	0.351758419	-0.017400677	4.080472857	-0.004264378	0.996597529	0.998677884	Not Sig
ENSG00000271738	NA	NA	NA	101.7822425	-0.015325344	0.655926803	-0.023364412	0.981359592	0.998677884	Not Sig
ENSG00000177338	NA	NA	NA	1.238422319	-0.012956331	2.306406968	-0.005617539	0.995517876	0.998677884	Not Sig
ENSG00000244564	NA	NA	NA	1.238422319	-0.012956331	2.306406968	-0.005617539	0.995517876	0.998677884	Not Sig
ENSG00000177788	NA	NA	NA	27.04683849	-0.011529236	1.158294934	-0.009953628	0.992058285	0.998677884	Not Sig
ENSG00000271782	NA	NA	NA	4.010874396	-0.010881223	1.631856114	-0.006668004	0.994679742	0.998677884	Not Sig
ENSG00000251396	NA	NA	NA	18.60018404	-0.009058646	0.853769942	-0.010610173	0.991534466	0.998677884	Not Sig
ENSG00000224739	NA	NA	NA	2.216927691	-0.008431516	1.560964914	-0.005401477	0.995690266	0.998677884	Not Sig
ENSG00000261712	NA	NA	NA	7.338738871	-0.008304075	1.213842869	-0.006841145	0.994541599	0.998677884	Not Sig

ENSG00000225039	LINC01058	long intergenic non-protein coding RNA 1058	103724387	3.218555275	-0.007797722	1.308754172	-0.005958126	0.995246131	0.998677884	Not Sig
ENSG00000271840	NA	NA	NA	27.34636305	-0.007345635	0.73878234	-0.009942895	0.992066848	0.998677884	Not Sig
ENSG00000226516	FAM138B	family with sequence similarity 138 member B	654412	0.925321864	-0.006660992	2.450510692	-0.002718206	0.997831188	0.998677884	Not Sig
ENSG00000259438	NA	NA	NA	0.925321864	-0.006660992	2.450510692	-0.002718206	0.997831188	0.998677884	Not Sig
ENSG00000261211	NA	NA	NA	16.18105502	-0.000721488	0.91029401	-0.000792588	0.999367606	0.999367606	Not Sig
ENSG00000267957	NA	NA	NA	31.169169	0.002490587	0.738857029	0.003370865	0.997310444	0.998677884	Not Sig
ENSG00000260778	LOC106660606	uncharacterized LOC106660606	106660606	30.66974628	0.003754072	0.952739223	0.003940293	0.996856109	0.998677884	Not Sig
ENSG00000228906	NA	NA	NA	64.1974258	0.00380484	0.921708944	0.004128027	0.99670632	0.998677884	Not Sig
ENSG00000272236	NA	NA	NA	3.021197518	0.004659075	1.354984509	0.003438471	0.997256502	0.998677884	Not Sig
ENSG00000259702	NA	NA	NA	0.981552942	0.004979191	2.436018293	0.002043987	0.998369135	0.998792532	Not Sig
ENSG00000206028	NA	NA	NA	1.224442817	0.006997886	2.217852443	0.003155253	0.997482476	0.998677884	Not Sig
ENSG00000265752	NA	NA	NA	3.801526867	0.007420371	1.29282043	0.005739676	0.995420426	0.998677884	Not Sig
ENSG00000260046	NA	NA	NA	5.800578227	0.00880647	1.448580699	0.006079379	0.995149388	0.998677884	Not Sig
ENSG00000267640	NA	NA	NA	29.07871829	0.012616692	1.003239839	0.012575948	0.98996611	0.998677884	Not Sig
ENSG00000227245	NA	NA	NA	0.613745194	0.013026401	3.229154691	0.004033997	0.996781345	0.998677884	Not Sig
ENSG00000236499	LINC00896	long intergenic non-protein coding RNA 896	150197	16.51234441	0.017721174	0.965600083	0.018352499	0.985357646	0.998677884	Not Sig
ENSG00000269929	NA	NA	NA	223.4172773	0.017729263	0.6202495	0.028584082	0.977196308	0.998677884	Not Sig
ENSG00000227293	NA	NA	NA	0.911342362	0.019547172	2.454322847	0.007964385	0.993645408	0.998677884	Not Sig
ENSG00000230817	LINC01362	long intergenic non-protein coding RNA 1362	103283057	1.411919881	0.019549129	2.003124336	0.009759319	0.992213314	0.998677884	Not Sig
ENSG00000248079	DPH6-AS1	DPH6 antisense RNA 1 (head to head)	100507466	16.30606628	0.021187081	1.075483912	0.019700044	0.984282656	0.998677884	Not Sig
ENSG00000231401	NA	NA	NA	16.44446896	0.02214273	1.212798195	0.018257555	0.985433388	0.998677884	Not Sig
ENSG00000266918	NA	NA	NA	5.669172378	0.022659143	1.316055078	0.017217473	0.986263123	0.998677884	Not Sig
ENSG00000253376	NA	NA	NA	1.041064562	0.023222044	2.423903248	0.009580434	0.992356037	0.998677884	Not Sig
ENSG00000233757	NA	NA	NA	83.59022312	0.023472333	0.712912831	0.032924548	0.973734757	0.998677884	Not Sig
ENSG00000272966	NA	NA	NA	1.283954438	0.026064113	2.723634837	0.009569606	0.992364676	0.998677884	Not Sig
ENSG00000261280	NA	NA	NA	10.12103436	0.026327625	1.269685019	0.020735556	0.983456606	0.998677884	Not Sig
ENSG00000225684	FAM225B	family with sequence similarity 225 member B (non-protein coding)	100128385	6.673840744	0.027496007	0.991755401	0.027724585	0.977881815	0.998677884	Not Sig
ENSG00000264868	NA	NA	NA	596.1285758	0.027795017	1.080067342	0.025734522	0.979469088	0.998677884	Not Sig
ENSG00000246898	NA	NA	NA	27.29020829	0.028598753	1.04246333	0.027433822	0.978113722	0.998677884	Not Sig
ENSG00000224848	NA	NA	NA	26.2627914	0.029032125	1.04599704	0.027755456	0.977857193	0.998677884	Not Sig
ENSG00000267528	NA	NA	NA	1.341709301	0.029199414	1.963867641	0.014868321	0.988137233	0.998677884	Not Sig
ENSG00000272922	NA	NA	NA	1.938427422	0.030874313	1.557286439	0.019825712	0.984182406	0.998677884	Not Sig
ENSG00000224961	LINC01752	long intergenic non-protein coding RNA 1752	101929395	3.159928242	0.031478869	1.960837197	0.01605379	0.987191479	0.998677884	Not Sig
ENSG00000273081	NA	NA	NA	12.60920409	0.035083959	0.844813395	0.041528649	0.966874454	0.998677884	Not Sig
ENSG00000235398	NA	NA	NA	15.01343835	0.038211064	0.929056388	0.041128897	0.967193138	0.998677884	Not Sig

ENSG00000245937	LINC01184	long intergenic non-protein coding RNA 1184	644873	401.719527	0.038895996	0.673488093	0.057753057	0.953945331	0.998677884	Not Sig
ENSG00000272377	NA	NA	NA	15.71569862	0.039649018	0.824285645	0.048101066	0.961635696	0.998677884	Not Sig
ENSG00000272308	NA	NA	NA	11.28834845	0.044698679	0.845809944	0.05284719	0.957853661	0.998677884	Not Sig
ENSG00000241732	NA	NA	NA	61.34444852	0.045220184	0.929609613	0.048644273	0.961202787	0.998677884	Not Sig
ENSG00000262951	NA	NA	NA	2.354814859	0.046554593	1.47763613	0.031506128	0.974865905	0.998677884	Not Sig
ENSG00000265121	NA	NA	NA	1.999462828	0.046880883	1.813238476	0.02585478	0.979373168	0.998677884	Not Sig
ENSG00000264247	LINC00909	long intergenic non-protein coding RNA 909	400657	178.4941978	0.0469586	0.625420161	0.075083285	0.940148447	0.998677884	Not Sig
ENSG00000230658	KLHL7-AS1	KLHL7 antisense RNA 1 (head to head)	100775104	9.296031812	0.049078758	1.302008174	0.037694662	0.969931132	0.998677884	Not Sig
ENSG00000267242	NA	NA	NA	14.91901564	0.050856574	0.823827075	0.061732098	0.950776178	0.998677884	Not Sig
ENSG00000253428	LINC01942	long intergenic non-protein coding RNA 1942	105377736	17.50717751	0.051848721	1.108968708	0.046753998	0.962709293	0.998677884	Not Sig
ENSG00000263753	LINC00667	long intergenic non-protein coding RNA 667	339290	786.0440257	0.052284752	0.603931662	0.086573955	0.931010169	0.998677884	Not Sig
ENSG00000228033	NA	NA	NA	0.598241906	0.054500104	3.930079236	0.013867431	0.988935745	0.998677884	Not Sig
ENSG00000233906	NA	NA	NA	0.598241906	0.054500104	3.930079236	0.013867431	0.988935745	0.998677884	Not Sig
ENSG00000249667	NA	NA	NA	0.598241906	0.054500104	3.930079236	0.013867431	0.988935745	0.998677884	Not Sig
ENSG00000254620	NA	NA	NA	0.598241906	0.054500104	3.930079236	0.013867431	0.988935745	0.998677884	Not Sig
ENSG00000259672	NA	NA	NA	0.598241906	0.054500104	3.930079236	0.013867431	0.988935745	0.998677884	Not Sig
ENSG00000261013	NA	NA	NA	0.598241906	0.054500104	3.930079236	0.013867431	0.988935745	0.998677884	Not Sig
ENSG00000273399	NA	NA	NA	12.40765712	0.055680766	1.16070414	0.047971541	0.961738924	0.998677884	Not Sig
ENSG00000250790	NA	NA	NA	4.897706727	0.055799183	1.222229906	0.04565359	0.963586355	0.998677884	Not Sig
ENSG00000238033	LOC401312	uncharacterized LOC401312	401312	2.640189282	0.058578308	1.482970518	0.039500656	0.968491231	0.998677884	Not Sig
ENSG00000227082	NA	NA	NA	7.668909023	0.058663152	0.941289534	0.062322112	0.95030632	0.998677884	Not Sig
ENSG00000258181	NA	NA	NA	11.63399828	0.06071105	1.017565642	0.059663031	0.952424016	0.998677884	Not Sig
ENSG00000226197	NA	NA	NA	0.601289477	0.066736094	3.925385693	0.017001156	0.986435694	0.998677884	Not Sig
ENSG00000255980	NA	NA	NA	0.601289477	0.066736094	3.925385693	0.017001156	0.986435694	0.998677884	Not Sig
ENSG00000257048	NA	NA	NA	0.601289477	0.066736094	3.925385693	0.017001156	0.986435694	0.998677884	Not Sig
ENSG00000272264	NA	NA	NA	15.98307974	0.067444446	1.328250211	0.050776914	0.959503287	0.998677884	Not Sig
ENSG00000234773	NA	NA	NA	38.30100615	0.068616205	0.95113582	0.072141332	0.942489434	0.998677884	Not Sig
ENSG00000257259	LINC02388	long intergenic non-protein coding RNA 2388	101927653	0.656229742	0.070824967	3.188937423	0.022209582	0.982280774	0.998677884	Not Sig
ENSG00000232046	LINC01798	long intergenic non-protein coding RNA 1798	100507073	12.79417423	0.072072604	1.151783229	0.062574799	0.950105098	0.998677884	Not Sig
ENSG00000215808	LINC01139	long intergenic non-protein coding RNA 1139	339535	12.4098538	0.075113954	1.56455635	0.048009747	0.961708475	0.998677884	Not Sig
ENSG00000260619	NA	NA	NA	2.575840871	0.075683044	1.686054712	0.044887656	0.964196856	0.998677884	Not Sig
ENSG00000253688	NA	NA	NA	0.657753527	0.076195949	3.187611878	0.023903772	0.980929365	0.998677884	Not Sig
ENSG00000259717	LINC00677	long intergenic non-protein coding RNA 677	105370683	0.657753527	0.076195949	3.187611878	0.023903772	0.980929365	0.998677884	Not Sig
ENSG00000263553	NA	NA	NA	0.657753527	0.076195949	3.187611878	0.023903772	0.980929365	0.998677884	Not Sig
ENSG00000260899	NA	NA	NA	1.316797867	0.078308663	2.256253681	0.034707384	0.972313073	0.998677884	Not Sig

ENSG00000244227	LRRC77P	leucine rich repeat containing 77, pseudogene	646168	3.207791775	0.079700427	1.435890714	0.055505914	0.955735418	0.998677884	Not Sig
ENSG00000227486	NA	NA	NA	43.87717487	0.081191847	0.786599011	0.103218852	0.917789278	0.998677884	Not Sig
ENSG00000228826	NA	NA	NA	1.242015931	0.084184943	2.305851324	0.036509268	0.970876289	0.998677884	Not Sig
ENSG00000270720	NA	NA	NA	3.443953913	0.08511194	1.486214131	0.057272636	0.954328018	0.998677884	Not Sig
ENSG00000237357	NA	NA	NA	7.222501137	0.085250678	1.330220861	0.064087612	0.948900466	0.998677884	Not Sig
ENSG00000251562	MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)	378938	747111.7871	0.085989935	0.806182252	0.106663145	0.915056221	0.998677884	Not Sig
ENSG00000228414	LINC01185	long intergenic non-protein coding RNA 1185	400957	2.121195094	0.08626227	1.758004372	0.049068291	0.960864873	0.998677884	Not Sig
ENSG00000272043	NA	NA	NA	2.775901051	0.086334832	1.379884947	0.062566689	0.950111556	0.998677884	Not Sig
ENSG00000243089	NA	NA	NA	0.942894978	0.090134059	2.445813274	0.036852388	0.970602703	0.998677884	Not Sig
ENSG00000244567	NA	NA	NA	87.12819504	0.090450595	0.762910251	0.118559942	0.905624003	0.998677884	Not Sig
ENSG00000237943	NA	NA	NA	56.07409932	0.090451648	0.985530737	0.091779632	0.926873127	0.998677884	Not Sig
ENSG00000227640	SOX21-AS1	SOX21 antisense divergent transcript 1	100507533	18.1725858	0.090479496	0.98810728	0.091568494	0.927040884	0.998677884	Not Sig
ENSG00000268836	NA	NA	NA	9.046910728	0.091161813	0.932717433	0.097737867	0.922140446	0.998677884	Not Sig
ENSG00000272374	NA	NA	NA	70.82207644	0.093164568	0.659931191	0.141173154	0.887733153	0.998677884	Not Sig
ENSG00000267052	NA	NA	NA	1.661450939	0.094662174	1.874447611	0.050501371	0.959722857	0.998677884	Not Sig
ENSG00000243276	NA	NA	NA	0.71550839	0.094722379	3.140102032	0.030165382	0.975935157	0.998677884	Not Sig
ENSG00000258860	NA	NA	NA	0.71550839	0.094722379	3.140102032	0.030165382	0.975935157	0.998677884	Not Sig
ENSG00000272462	NA	NA	NA	83.01199365	0.09499366	0.800514226	0.118665798	0.905540134	0.998677884	Not Sig
ENSG00000203999	LINC01270	long intergenic non-protein coding RNA 1270	284751	76.3466167	0.095053316	1.023518194	0.092869201	0.926007474	0.998677884	Not Sig
ENSG00000272644	NA	NA	NA	10.45243078	0.095468429	0.962622106	0.099175396	0.92099901	0.998677884	Not Sig
ENSG00000267045	NA	NA	NA	41.4416023	0.095914377	0.914618469	0.104868183	0.916480406	0.998677884	Not Sig
ENSG00000260054	NA	NA	NA	452.108543	0.096219182	0.730647594	0.131690275	0.895229278	0.998677884	Not Sig
ENSG00000260023	NA	NA	NA	28.87993871	0.097772511	0.914312543	0.106935546	0.914840114	0.998677884	Not Sig
ENSG00000248884	NA	NA	NA	1.588192788	0.098194799	1.830004971	0.053658214	0.957207475	0.998677884	Not Sig
ENSG00000260657	NA	NA	NA	2.746651234	0.100341253	1.500271431	0.066882066	0.94667559	0.998677884	Not Sig
ENSG00000255693	LINC02389	long intergenic non-protein coding RNA 2389	400046	12.06855325	0.101657272	1.156996451	0.08786308	0.929985501	0.998677884	Not Sig
ENSG00000266897	NA	NA	NA	14.0392256	0.102649109	1.168652628	0.087835432	0.930007476	0.998677884	Not Sig
ENSG00000223665	NA	NA	NA	2.306748749	0.105990545	1.712377634	0.061896712	0.950645086	0.998677884	Not Sig
ENSG00000224239	NA	NA	NA	6.551441736	0.111186681	0.998449397	0.111359356	0.911331389	0.998677884	Not Sig
ENSG00000223779	NA	NA	NA	39.22510791	0.111305163	0.780743918	0.142562959	0.886635353	0.998677884	Not Sig
ENSG00000261670	NA	NA	NA	2.7385339	0.112574366	1.636517167	0.068788992	0.94515758	0.998677884	Not Sig
ENSG00000267586	LINC00907	long intergenic non-protein coding RNA 907	284260	13.60577039	0.112602532	0.899262158	0.12521658	0.900352091	0.998677884	Not Sig
ENSG00000226328	NA	NA	NA	119.6007122	0.114770566	0.723243268	0.158688744	0.873914107	0.998677884	Not Sig
ENSG00000188070	C11orf95	chromosome 11 open reading frame 95	65998	638.3395434	0.117368657	0.773177849	0.151800336	0.879344417	0.998677884	Not Sig
ENSG00000271893	NA	NA	NA	1.229560214	0.117751749	2.734624654	0.043059565	0.965654052	0.998677884	Not Sig

ENSG00000253988	NA	NA	NA	1.873334239	0.118696984	2.118312685	0.056033741	0.955314928	0.998677884	Not Sig
ENSG00000237461	LOC101928438	uncharacterized LOC101928438	101928438	8.305608096	0.122564579	0.956450989	0.128145175	0.898034087	0.998677884	Not Sig
ENSG00000230606	NA	NA	NA	172.7045531	0.122852361	0.744908219	0.164922815	0.869004734	0.998677884	Not Sig
ENSG00000264964	NA	NA	NA	4.843848097	0.123121108	1.370348428	0.089846572	0.928409139	0.998677884	Not Sig
ENSG00000253853	NA	NA	NA	4.527911029	0.123949161	1.264850443	0.097995112	0.921936174	0.998677884	Not Sig
ENSG00000261734	NA	NA	NA	3.709933924	0.126057584	1.427583485	0.088301375	0.929637146	0.998677884	Not Sig
ENSG00000273409	LOC101929497	uncharacterized LOC101929497	101929497	1.574213286	0.127249664	2.16932012	0.058658777	0.953223894	0.998677884	Not Sig
ENSG00000272316	NA	NA	NA	120.4056949	0.128292822	0.842082574	0.152351831	0.878909446	0.998677884	Not Sig
ENSG00000255135	NA	NA	NA	23.61155863	0.12999194	0.861243166	0.150935236	0.880026805	0.998677884	Not Sig
ENSG00000268615	NA	NA	NA	4.534239143	0.131017204	1.519283234	0.086236194	0.931278659	0.998677884	Not Sig
ENSG00000224959	NA	NA	NA	95.77969857	0.132819971	0.794934984	0.16708281	0.867304892	0.998677884	Not Sig
ENSG00000235244	DANT2	DXZ4 associated non-coding transcript 2, distal	642776	236.7797116	0.134555214	0.9349972	0.14390975	0.885571736	0.998677884	Not Sig
ENSG00000271978	NA	NA	NA	4.778074684	0.135141957	1.236338989	0.109308174	0.912958064	0.998677884	Not Sig
ENSG00000259031	NA	NA	NA	5.485698712	0.138375073	1.090918622	0.126842709	0.899064892	0.998677884	Not Sig
ENSG00000232855	NA	NA	NA	40.85243638	0.138413742	0.722582492	0.191554243	0.848091388	0.998677884	Not Sig
ENSG00000255669	ITFG2-AS1	ITFG2 antisense RNA 1	283440	9.680900588	0.139747888	1.046537583	0.133533559	0.893771425	0.998677884	Not Sig
ENSG00000272091	NA	NA	NA	74.39571838	0.141346438	0.766680277	0.184361646	0.853729756	0.998677884	Not Sig
ENSG00000272371	NA	NA	NA	2.48342128	0.141817374	1.420244034	0.09985423	0.920460054	0.998677884	Not Sig
ENSG00000273305	NA	NA	NA	20.70496442	0.14292557	0.993408692	0.143873887	0.885600057	0.998677884	Not Sig
ENSG00000185168	NA	NA	NA	80.04204878	0.143943167	0.980462923	0.146811433	0.88328086	0.998677884	Not Sig
ENSG00000268129	LOC100289361	uncharacterized LOC100289361	100289361	8.008422781	0.143961022	1.252490638	0.114939799	0.908492839	0.998677884	Not Sig
ENSG00000238142	LOC105376805	uncharacterized LOC105376805	105376805	157.6237856	0.145027277	0.680813598	0.213020535	0.831310946	0.998677884	Not Sig
ENSG00000237697	NA	NA	NA	89.97865096	0.147183152	0.709746682	0.207374203	0.835717628	0.998677884	Not Sig
ENSG00000258504	NA	NA	NA	3.043238195	0.148367457	1.379477189	0.107553397	0.914349966	0.998677884	Not Sig
ENSG00000260248	NA	NA	NA	2.657151814	0.148414576	1.721904743	0.086192094	0.931313715	0.998677884	Not Sig
ENSG00000225096	NA	NA	NA	4.471069369	0.150231021	1.277036622	0.117640339	0.906352641	0.998677884	Not Sig
ENSG00000256101	NA	NA	NA	2.94381705	0.150403482	1.394812209	0.107830632	0.914130044	0.998677884	Not Sig
ENSG00000246084	LINC02325	long intergenic non-protein coding RNA 2325	101929241	6.487233141	0.150841643	1.1373658	0.132623684	0.894491001	0.998677884	Not Sig
ENSG00000272087	NA	NA	NA	6.778131187	0.154169155	1.11073035	0.138799804	0.889608349	0.998677884	Not Sig
ENSG00000228223	HCG11	HLA complex group 11 (non-protein coding)	493812	375.9542373	0.155109536	0.627141288	0.247327897	0.804654471	0.998677884	Not Sig
ENSG00000234572	LINC01800	long intergenic non-protein coding RNA 1800	101927438	2.184300327	0.156837008	1.493782837	0.104993178	0.916381222	0.998677884	Not Sig
ENSG00000197308	GATA3-AS1	GATA3 antisense RNA 1	399717	1.822853155	0.15815098	1.850781631	0.085450913	0.931902918	0.998677884	Not Sig
ENSG00000225331	LINC01678	long intergenic non-protein coding RNA 1678	105377138	26.13020834	0.158370499	0.970755486	0.163141493	0.870407031	0.998677884	Not Sig
ENSG00000273374	NA	NA	NA	3.117442011	0.158790777	1.770626659	0.089680553	0.92854107	0.998677884	Not Sig
ENSG00000268287	NA	NA	NA	2.109518391	0.159551901	1.565537029	0.101915124	0.918824045	0.998677884	Not Sig

ENSG00000272003	NA	NA	NA	33.76605403	0.161808548	0.874984645	0.184927301	0.853286057	0.998677884	Not Sig
ENSG00000254054	NA	NA	NA	4.462690447	0.162710095	1.505706564	0.108062287	0.913946284	0.998677884	Not Sig
ENSG00000228566	NA	NA	NA	0.631318308	0.164093824	3.21301676	0.051071574	0.959268487	0.998677884	Not Sig
ENSG00000230533	NA	NA	NA	0.631318308	0.164093824	3.21301676	0.051071574	0.959268487	0.998677884	Not Sig
ENSG00000267100	ILF3-AS1	ILF3 antisense RNA 1 (head to head)	147727	221.7334577	0.16723836	0.866258512	0.193058259	0.846913342	0.998677884	Not Sig
ENSG00000272472	NA	NA	NA	8.742519599	0.16787448	1.833955901	0.091536814	0.927066056	0.998677884	Not Sig
ENSG00000271882	NA	NA	NA	5.711369575	0.174314571	1.123903023	0.15509752	0.876744438	0.998677884	Not Sig
ENSG00000255102	NA	NA	NA	2.746586693	0.174420898	2.016725596	0.086487174	0.931079151	0.998677884	Not Sig
ENSG00000254295	NA	NA	NA	5.730047832	0.176300418	1.101660709	0.160031502	0.872856259	0.998677884	Not Sig
ENSG00000267010	NA	NA	NA	57.59042623	0.176327722	0.679288736	0.259576985	0.795190091	0.998677884	Not Sig
ENSG00000258675	LINC02308	long intergenic non-protein coding RNA 2308	100506700	1.610337258	0.178289455	2.169291203	0.082187884	0.934497308	0.998677884	Not Sig
ENSG00000258651	SEC23A-AS1	SEC23A antisense RNA 1	105370458	5.279711823	0.181524268	1.054968062	0.172066126	0.863385543	0.998677884	Not Sig
ENSG00000257698	NA	NA	NA	37.98563198	0.18278046	0.850207813	0.214983275	0.829780358	0.998677884	Not Sig
ENSG00000259504	NA	NA	NA	1.468791937	0.185549306	1.916411572	0.09682122	0.922868372	0.998677884	Not Sig
ENSG00000253686	LINC01484	long intergenic non-protein coding RNA 1484	101928136	11.36398453	0.188511822	1.100033533	0.171369159	0.863933503	0.998677884	Not Sig
ENSG00000272250	NA	NA	NA	4.687830493	0.190041708	1.23528848	0.153843989	0.877732748	0.998677884	Not Sig
ENSG00000273004	NA	NA	NA	13.65415145	0.190924505	0.920058302	0.207513485	0.835608862	0.998677884	Not Sig
ENSG00000244041	LINC01011	long intergenic non-protein coding RNA 1011	401232	58.7032666	0.192573713	0.649499339	0.296495626	0.766851607	0.998677884	Not Sig
ENSG00000182057	OGFRP1	opioid growth factor receptor pseudogene 1	388906	17.92154627	0.193479759	1.078938086	0.179324246	0.85768311	0.998677884	Not Sig
ENSG00000236485	NA	NA	NA	0.689306143	0.196207754	3.804909683	0.051566994	0.95887372	0.998677884	Not Sig
ENSG00000230839	NA	NA	NA	4.006143275	0.196796956	1.257369729	0.156514787	0.875627264	0.998677884	Not Sig
ENSG00000254119	NA	NA	NA	3.905176331	0.198906845	2.005692374	0.099171163	0.921002371	0.998677884	Not Sig
ENSG00000254302	NA	NA	NA	1.30969252	0.200586869	2.300175096	0.087205043	0.930508531	0.998677884	Not Sig
ENSG00000253641	LINC00001	uncharacterized LINC00001	101929191	17.10706451	0.202349866	0.822899023	0.24589878	0.805760588	0.998677884	Not Sig
ENSG00000273209	NA	NA	NA	4.364503625	0.205690195	1.586492668	0.129650896	0.896842634	0.998677884	Not Sig
ENSG00000231412	NA	NA	NA	2.134943404	0.208921424	2.104362492	0.09928015	0.920915839	0.998677884	Not Sig
ENSG00000186842	NA	NA	NA	6.093864124	0.209542858	1.555968518	0.134670371	0.8928725	0.998677884	Not Sig
ENSG00000226380	NA	NA	NA	829.5936932	0.209604281	0.85290394	0.245753678	0.805872917	0.998677884	Not Sig
ENSG00000258636	NA	NA	NA	2.688304806	0.211053135	2.05258986	0.102822848	0.918103571	0.998677884	Not Sig
ENSG00000245526	LINC00461	long intergenic non-protein coding RNA 461	645323	9.070706238	0.212062101	1.487090259	0.142602037	0.886604488	0.998677884	Not Sig
ENSG00000223633	NA	NA	NA	4.331845865	0.214487501	1.431307313	0.149854262	0.880879598	0.998677884	Not Sig
ENSG00000229160	NA	NA	NA	0.965039448	0.215185077	2.879491225	0.074730242	0.940429345	0.998677884	Not Sig
ENSG00000228526	MIR34AHG	MIR34A host gene	106614088	68.73731789	0.215252447	0.677218298	0.317847948	0.750600278	0.998677884	Not Sig
ENSG00000270041	NA	NA	NA	21.07825619	0.216385587	1.057406457	0.204638042	0.837854931	0.998677884	Not Sig
ENSG00000263934	SNORD3A	small nucleolar RNA, C/D box 3A	780851	57243.91503	0.218727057	0.795091241	0.275096801	0.783241869	0.998677884	Not Sig

ENSG00000273355	NA	NA	NA	3.290401913	0.219816088	1.351861083	0.162602571	0.870831363	0.998677884	Not Sig
ENSG00000236230	NA	NA	NA	1.497296983	0.221932239	1.973608908	0.112449958	0.910466646	0.998677884	Not Sig
ENSG00000245571	FAM111A-DT	FAM111A divergent transcript	101927204	117.186426	0.221932495	0.620788203	0.357501148	0.720716667	0.998677884	Not Sig
ENSG00000271141	NA	NA	NA	13.7022125	0.222254708	0.878564076	0.252974956	0.800287566	0.998677884	Not Sig
ENSG00000273192	NA	NA	NA	42.42335362	0.2243309	1.134023887	0.197818496	0.843187074	0.998677884	Not Sig
ENSG00000227542	NA	NA	NA	26.00352321	0.224892576	0.963496519	0.233412961	0.815440749	0.998677884	Not Sig
ENSG00000231231	NA	NA	NA	3.76145739	0.22546143	1.371224836	0.164423385	0.869397855	0.998677884	Not Sig
ENSG00000225793	NA	NA	NA	25.81488645	0.225741073	0.771083558	0.292758249	0.769706943	0.998677884	Not Sig
ENSG00000248397	NA	NA	NA	0.676850426	0.226388284	3.171573244	0.071380437	0.943094979	0.998677884	Not Sig
ENSG00000272092	NA	NA	NA	15.40713411	0.226482932	0.987071128	0.229449455	0.818519602	0.998677884	Not Sig
ENSG00000229214	LINC00242	long intergenic non-protein coding RNA 242	401288	4.59806545	0.229876197	1.502069305	0.153039674	0.878366988	0.998677884	Not Sig
ENSG00000270107	NA	NA	NA	6.881827954	0.232826422	1.01714696	0.228901458	0.818945508	0.998677884	Not Sig
ENSG00000271943	NA	NA	NA	3.86755897	0.238834797	1.288976753	0.185290229	0.853001402	0.998677884	Not Sig
ENSG00000267350	NA	NA	NA	348.425961	0.240218537	0.628552567	0.382177322	0.702329842	0.998677884	Not Sig
ENSG00000242759	LINC00882	long intergenic non-protein coding RNA 882	100302640	16.41040863	0.240888867	0.999358252	0.241043557	0.809521358	0.998677884	Not Sig
ENSG00000228079	NA	NA	NA	7.725975416	0.241176036	1.225451243	0.196805901	0.843979433	0.998677884	Not Sig
ENSG00000229108	NA	NA	NA	2.367447389	0.247096551	1.599884034	0.154446539	0.877257661	0.998677884	Not Sig
ENSG00000270170	NA	NA	NA	164.8972851	0.247694048	0.802691024	0.308579566	0.757641367	0.998677884	Not Sig
ENSG00000225880	LINC00115	long intergenic non-protein coding RNA 115	79854	63.96742756	0.248409363	0.761497695	0.326211576	0.744264284	0.998677884	Not Sig
ENSG00000270147	NA	NA	NA	3.032241723	0.250298802	1.319566863	0.189682546	0.849557899	0.998677884	Not Sig
ENSG00000267070	NA	NA	NA	1.544352886	0.250599643	1.877678316	0.1334625	0.893827619	0.998677884	Not Sig
ENSG00000258479	LINC00640	long intergenic non-protein coding RNA 640	283553	2.68454108	0.253479086	1.518435645	0.166934362	0.867421696	0.998677884	Not Sig
ENSG00000253105	LOC102724804	uncharacterized LOC102724804	102724804	3.731942138	0.258529344	1.648069718	0.156867966	0.875348907	0.998677884	Not Sig
ENSG00000254731	NA	NA	NA	13.32842029	0.261004083	0.957155942	0.272687105	0.785093748	0.998677884	Not Sig
ENSG00000261795	NA	NA	NA	5.393194347	0.261405138	1.454062696	0.179775699	0.857328662	0.998677884	Not Sig
ENSG00000223387	LINC02068	long intergenic non-protein coding RNA 2068	105374219	7.152583677	0.262790832	1.402035729	0.187435189	0.851319435	0.998677884	Not Sig
ENSG00000255198	SNHG9	small nucleolar RNA host gene 9	735301	30.7418779	0.262828008	0.83813145	0.313588051	0.753833936	0.998677884	Not Sig
ENSG00000260369	NA	NA	NA	10.60045358	0.263726181	1.157199851	0.22790029	0.819723758	0.998677884	Not Sig
ENSG00000188185	NA	NA	NA	172.0081081	0.263760909	0.644897303	0.408996763	0.682542037	0.998677884	Not Sig
ENSG00000256742	NA	NA	NA	7.773777683	0.264786352	0.95205829	0.278119895	0.780920324	0.998677884	Not Sig
ENSG00000258425	NA	NA	NA	2.815514842	0.265024899	1.711443928	0.154854562	0.876935976	0.998677884	Not Sig
ENSG00000247317	NA	NA	NA	62.72511378	0.266366664	0.868381419	0.306739249	0.759041853	0.998677884	Not Sig
ENSG00000267108	NA	NA	NA	2.817038627	0.266563342	1.671252868	0.159499108	0.873275661	0.998677884	Not Sig
ENSG00000270172	NA	NA	NA	49.53268291	0.267734517	1.179809942	0.226930209	0.820478011	0.998677884	Not Sig
ENSG00000265282	NA	NA	NA	5.658250706	0.271775017	1.421856525	0.191140957	0.84841516	0.998677884	Not Sig

ENSG00000261088	NA	NA	NA	96.45769882	0.27249956	0.681723313	0.399721639	0.689361552	0.998677884	Not Sig
ENSG00000248636	LOC105370027	uncharacterized LOC105370027	105370027	20.30049599	0.27270685	0.864325411	0.315514095	0.752371351	0.998677884	Not Sig
ENSG00000260693	NA	NA	NA	10.51015038	0.27344293	1.125967351	0.242851562	0.80812039	0.998677884	Not Sig
ENSG00000273077	NA	NA	NA	1.531897169	0.274007895	1.711767818	0.16007305	0.872823531	0.998677884	Not Sig
ENSG00000230844	ZNF674-AS1	ZNF674 antisense RNA 1 (head to head)	401588	54.65501893	0.275141244	0.662081499	0.415570053	0.677724644	0.998677884	Not Sig
ENSG00000251015	SLC25A30-AS1	SLC25A30 antisense RNA 1	100874259	2.255930899	0.277205333	2.023362194	0.137002329	0.891028954	0.998677884	Not Sig
ENSG00000269640	NA	NA	NA	80.39920736	0.278241856	0.956318344	0.290951081	0.771088733	0.998677884	Not Sig
ENSG00000232593	NA	NA	NA	154.391446	0.278789425	0.663454176	0.420209014	0.67433277	0.998677884	Not Sig
ENSG00000204261	PSMB8-AS1	PSMB8 antisense RNA 1 (head to head)	100507463	230.0238259	0.281615452	1.019101194	0.276337084	0.782289176	0.998677884	Not Sig
ENSG00000270020	NA	NA	NA	7.028335398	0.282104112	1.507662074	0.187113622	0.851571548	0.998677884	Not Sig
ENSG00000258735	LINC00637	long intergenic non-protein coding RNA 637	145216	4.183875427	0.285023905	1.174905055	0.242593139	0.808320597	0.998677884	Not Sig
ENSG00000260122	NA	NA	NA	2.590942852	0.285446719	1.656967419	0.172270569	0.863224821	0.998677884	Not Sig
ENSG00000230555	NA	NA	NA	34.31621957	0.285627482	0.865145452	0.330149666	0.741286877	0.998677884	Not Sig
ENSG00000273344	PAXIP1-AS1	PAXIP1 antisense RNA 1 (head to head)	202781	184.2284981	0.287935744	0.780637525	0.368846916	0.712241832	0.998677884	Not Sig
ENSG00000263470	NA	NA	NA	16.82250465	0.288582397	1.158647589	0.24906831	0.803307942	0.998677884	Not Sig
ENSG00000232388	SMIM26	small integral membrane protein 26	388789	234.9608258	0.289118578	0.634554438	0.455624547	0.648659989	0.998677884	Not Sig
ENSG00000237604	NA	NA	NA	30.85312188	0.289127004	0.998063969	0.289687848	0.772055053	0.998677884	Not Sig
ENSG00000222041	CYTOR	cytoskeleton regulator RNA	112597	316.8757582	0.290106425	0.710034293	0.408580864	0.682847276	0.998677884	Not Sig
ENSG00000272744	NA	NA	NA	3.776896137	0.290309412	1.257562792	0.230850828	0.817430693	0.998677884	Not Sig
ENSG00000260777	NA	NA	NA	1.185720313	0.290940668	2.356656744	0.123454835	0.901746937	0.998677884	Not Sig
ENSG00000231196	NA	NA	NA	0.855046743	0.292947181	2.97057206	0.09861642	0.921442832	0.998677884	Not Sig
ENSG00000260158	NA	NA	NA	0.855046743	0.292947181	2.97057206	0.09861642	0.921442832	0.998677884	Not Sig
ENSG00000266824	NA	NA	NA	0.855046743	0.292947181	2.97057206	0.09861642	0.921442832	0.998677884	Not Sig
ENSG00000264575	NA	NA	NA	30.27665676	0.295998759	0.749907572	0.394713656	0.693054224	0.998677884	Not Sig
ENSG00000205444	NA	NA	NA	0.664394709	0.297017953	3.836612821	0.077416713	0.938292046	0.998677884	Not Sig
ENSG00000233321	NA	NA	NA	0.664394709	0.297017953	3.836612821	0.077416713	0.938292046	0.998677884	Not Sig
ENSG00000258602	LINC01629	long intergenic non-protein coding RNA 1629	105370578	0.664394709	0.297017953	3.836612821	0.077416713	0.938292046	0.998677884	Not Sig
ENSG00000261298	NA	NA	NA	0.664394709	0.297017953	3.836612821	0.077416713	0.938292046	0.998677884	Not Sig
ENSG00000260482	NA	NA	NA	234.022291	0.297539499	0.732424536	0.40623912	0.684566913	0.998677884	Not Sig
ENSG00000257219	LINC02407	long intergenic non-protein coding RNA 2407	105369848	5.949400743	0.297620935	1.090377057	0.272952308	0.784889876	0.998677884	Not Sig
ENSG00000224577	LINC01117	long intergenic non-protein coding RNA 1117	102724224	2.505334557	0.298421816	1.687120165	0.176882372	0.859600786	0.998677884	Not Sig
ENSG00000205662	NA	NA	NA	16.64120691	0.300345488	1.451051719	0.206984689	0.836021816	0.998677884	Not Sig
ENSG00000235052	NA	NA	NA	3.232182885	0.302717076	1.283050794	0.235935379	0.813482814	0.998677884	Not Sig
ENSG00000237940	LINC01238	long intergenic non-protein coding RNA 1238	102723927	34.31569326	0.303776172	0.712721385	0.426220089	0.669947481	0.998677884	Not Sig
ENSG00000268416	NA	NA	NA	127.4878213	0.304131282	1.194567913	0.254595221	0.79903575	0.998677884	Not Sig

ENSG00000259072	NA	NA	NA	2.15611013	0.309631878	1.732463188	0.178723496	0.858154819	0.998677884	Not Sig
ENSG00000233096	NA	NA	NA	1.508742493	0.312363887	2.200492201	0.141951827	0.887118057	0.998677884	Not Sig
ENSG00000261187	NA	NA	NA	8.84572812	0.316438708	0.916569042	0.345242632	0.729911971	0.998677884	Not Sig
ENSG00000261824	LINC00662	long intergenic non-protein coding RNA 662	148189	269.6719549	0.317120299	0.639971071	0.495522865	0.620231086	0.998677884	Not Sig
ENSG00000247011	NA	NA	NA	18.75551317	0.317327182	1.140535981	0.278226366	0.780838596	0.998677884	Not Sig
ENSG00000226920	NA	NA	NA	10.0556151	0.317983747	0.912070998	0.348639248	0.727360158	0.998677884	Not Sig
ENSG00000250490	LINC02145	long intergenic non-protein coding RNA 2145	401172	7.837273683	0.320209823	1.304482609	0.245468832	0.806093438	0.998677884	Not Sig
ENSG00000233154	LINC01762	long intergenic non-protein coding RNA 1762	101929023	8.210442437	0.320337284	1.165934402	0.274747261	0.783510419	0.998677884	Not Sig
ENSG00000266667	NA	NA	NA	1.231252431	0.322226556	2.309113824	0.139545549	0.889019065	0.998677884	Not Sig
ENSG00000234225	NA	NA	NA	7.548603492	0.322838986	1.157060415	0.279016533	0.780232137	0.998677884	Not Sig
ENSG00000272070	NA	NA	NA	40.68180516	0.327292328	1.053342692	0.310717804	0.756015161	0.998677884	Not Sig
ENSG00000251615	NA	NA	NA	66.2362006	0.328656905	0.879434179	0.373714046	0.708617074	0.998677884	Not Sig
ENSG00000254153	NA	NA	NA	2.613320294	0.328816471	1.38922398	0.236690753	0.812896709	0.998677884	Not Sig
ENSG00000225194	LINC00092	long intergenic non-protein coding RNA 92	100188953	42.5594687	0.329268924	1.542264636	0.213497033	0.830939303	0.998677884	Not Sig
ENSG00000229989	NA	NA	NA	181.9358517	0.329609471	0.799441348	0.412299754	0.680119729	0.998677884	Not Sig
ENSG00000253161	NA	NA	NA	4.630300077	0.331593889	1.167128477	0.284110871	0.776325416	0.998677884	Not Sig
ENSG00000272523	LINC01023	long intergenic non-protein coding RNA 1023	100652853	14.25681463	0.333041851	1.244156765	0.267684797	0.788941953	0.998677884	Not Sig
ENSG00000259925	NA	NA	NA	161.9816794	0.333325714	0.759208321	0.43904381	0.660629792	0.998677884	Not Sig
ENSG00000228889	UBAC2-AS1	UBAC2 antisense RNA 1	100289373	26.24484037	0.335544968	0.775930897	0.432441819	0.66542033	0.998677884	Not Sig
ENSG00000247765	NA	NA	NA	6.216421356	0.336872453	1.204585686	0.279658356	0.779739631	0.998677884	Not Sig
ENSG00000267940	NA	NA	NA	8.477575225	0.339378657	0.941275082	0.360552047	0.718434342	0.998677884	Not Sig
ENSG00000234493	RHOXF1P1	Rhox homeobox family member 1 pseudogene 1	101928941	1.742770263	0.345921852	1.7439492	0.198355463	0.84276696	0.998677884	Not Sig
ENSG00000230345	NA	NA	NA	1.218796714	0.34955039	2.310063039	0.151316386	0.879726144	0.998677884	Not Sig
ENSG00000253799	LINC01030	long intergenic non-protein coding RNA 1030	101937451	1.161041851	0.351537554	2.057987469	0.170816178	0.864368308	0.998677884	Not Sig
ENSG00000249069	LINC01033	long intergenic non-protein coding RNA 1033	104355136	2.701103988	0.352143012	1.407569976	0.250177979	0.802449714	0.998677884	Not Sig
ENSG00000271958	NA	NA	NA	1.221844284	0.35496197	2.309787885	0.153677302	0.877864183	0.998677884	Not Sig
ENSG00000273139	NA	NA	NA	8.511692229	0.355229719	1.148269861	0.309360832	0.757047062	0.998677884	Not Sig
ENSG00000255455	LOC103611081	uncharacterized LOC103611081	103611081	199.5295827	0.364885309	0.622936912	0.58575002	0.558043515	0.998677884	Not Sig
ENSG00000272444	NA	NA	NA	7.732656968	0.369127352	1.247377702	0.295922679	0.767289131	0.998677884	Not Sig
ENSG00000233396	LINC01719	long intergenic non-protein coding RNA 1719	101928979	55.00316085	0.371499876	0.88980993	0.417504754	0.676309248	0.998677884	Not Sig
ENSG00000268945	NA	NA	NA	0.88964693	0.378972007	2.953636267	0.128306932	0.89790608	0.998677884	Not Sig
ENSG00000273181	NA	NA	NA	1.148586134	0.379817526	1.877041333	0.202349048	0.839643858	0.998677884	Not Sig
ENSG00000269949	NA	NA	NA	5.649677589	0.380628077	1.255322979	0.303211272	0.76172886	0.998677884	Not Sig
ENSG00000234362	LINC01914	long intergenic non-protein coding RNA 1914	101929723	12.89309942	0.380990764	1.048822424	0.363255738	0.716413854	0.998677884	Not Sig
ENSG00000257496	NA	NA	NA	2.814923277	0.381040108	1.96823832	0.193594497	0.846493407	0.998677884	Not Sig

ENSG00000260123	NA	NA	NA	1.150109919	0.382229092	1.876975783	0.203640929	0.838634106	0.998677884	Not Sig
ENSG00000273084	NA	NA	NA	61.18307804	0.383091119	0.858964075	0.445992099	0.655602953	0.998677884	Not Sig
ENSG00000223855	HRAT92	heart tissue-associated transcript 92	441307	50.10758279	0.385344664	0.987392185	0.390265054	0.696340562	0.998677884	Not Sig
ENSG00000273258	NA	NA	NA	6.533251392	0.38648073	1.194911498	0.32343879	0.746362956	0.998677884	Not Sig
ENSG00000259714	NA	NA	NA	1.396593407	0.386919194	1.956787194	0.197731872	0.843254852	0.998677884	Not Sig
ENSG00000251164	HULC	hepatocellular carcinoma up-regulated long non-coding RNA	728655	7.867256992	0.387423797	1.007160441	0.384669394	0.700482374	0.998677884	Not Sig
ENSG00000254028	NA	NA	NA	5.232271564	0.388663165	1.459476377	0.266303156	0.790005743	0.998677884	Not Sig
ENSG00000253190	NA	NA	NA	1.456105027	0.389716111	1.916543889	0.203343171	0.838866815	0.998677884	Not Sig
ENSG00000241544	LINC02029	long intergenic non-protein coding RNA 2029	105374177	2.40045925	0.391983852	1.515858302	0.258588716	0.79595259	0.998677884	Not Sig
ENSG00000266651	NA	NA	NA	1.515383676	0.39470984	1.917237299	0.205874275	0.83688912	0.998677884	Not Sig
ENSG00000225470	JPX	JPX transcript, XIST activator (non-protein coding)	554203	489.5216949	0.399401865	0.783321219	0.509882606	0.610133708	0.998677884	Not Sig
ENSG00000228265	RALY-AS1	RALY antisense RNA 1	101926888	32.76107252	0.400435054	0.773304041	0.517823563	0.604581376	0.998677884	Not Sig
ENSG00000248371	LINC02056	long intergenic non-protein coding RNA 2056	102477328	2.153703538	0.400792387	2.015314044	0.198873415	0.842361766	0.998677884	Not Sig
ENSG00000261117	NA	NA	NA	4.366685724	0.401255852	1.368825963	0.293138692	0.769416144	0.998677884	Not Sig
ENSG00000242791	NA	NA	NA	6.546125751	0.40176484	1.17122207	0.343030455	0.731575549	0.998677884	Not Sig
ENSG00000267198	NA	NA	NA	7.397820236	0.40307894	1.134413959	0.355319094	0.722350553	0.998677884	Not Sig
ENSG00000227373	LOC102724601	uncharacterized LOC102724601	102724601	2.256990519	0.413883084	1.527120636	0.271021866	0.786374215	0.998677884	Not Sig
ENSG00000203279	NA	NA	NA	4.562800301	0.415756143	1.799769335	0.231005238	0.817310733	0.998677884	Not Sig
ENSG00000250548	LOC101927780	uncharacterized LOC101927780	101927780	15.08034563	0.415816678	1.126684413	0.369062244	0.71208133	0.998677884	Not Sig
ENSG00000225285	NA	NA	NA	114.0304682	0.421925845	0.841084428	0.501645056	0.61591722	0.998677884	Not Sig
ENSG00000253214	NA	NA	NA	4.054981654	0.428537683	1.242400293	0.344927223	0.730149084	0.998677884	Not Sig
ENSG00000229495	NA	NA	NA	2.243011017	0.428843924	1.746791785	0.245503745	0.806066409	0.998677884	Not Sig
ENSG00000204802	NA	NA	NA	11.29508143	0.433576592	1.146161013	0.378285936	0.705218192	0.998677884	Not Sig
ENSG00000261220	NA	NA	NA	10.22997986	0.434344165	0.882970603	0.491912374	0.62278129	0.998677884	Not Sig
ENSG00000261705	NA	NA	NA	39.24495799	0.434583321	0.723478258	0.600686083	0.54804909	0.998677884	Not Sig
ENSG00000258102	MAP1LC3B2	microtubule associated protein 1 light chain 3 beta 2	643246	1.428146023	0.439153081	2.201659797	0.19946455	0.841899371	0.998677884	Not Sig
ENSG00000237595	NA	NA	NA	2.293114491	0.442386098	1.450680722	0.304950697	0.760403703	0.998677884	Not Sig
ENSG00000188971	NA	NA	NA	1181.725558	0.442850958	0.607072516	0.729486094	0.465704371	0.998677884	Not Sig
ENSG00000237359	NA	NA	NA	19.76972515	0.44308751	0.924844471	0.479094079	0.631871702	0.998677884	Not Sig
ENSG00000260306	NA	NA	NA	9.86641556	0.447688642	1.011317348	0.442678693	0.657998156	0.998677884	Not Sig
ENSG00000227531	NA	NA	NA	3.83981781	0.44996937	1.527793427	0.294522389	0.768358758	0.998677884	Not Sig
ENSG00000272327	NA	NA	NA	18.0081793	0.450267958	1.042220461	0.432027555	0.665721386	0.998677884	Not Sig
ENSG00000266709	MGC12916	uncharacterized protein MGC12916	84815	32.40218182	0.452332686	0.930721798	0.486002034	0.626965724	0.998677884	Not Sig
ENSG00000272666	LOC105373098	uncharacterized LOC105373098	105373098	11.67325874	0.453074755	1.083309104	0.418232204	0.675777352	0.998677884	Not Sig
ENSG00000272672	NA	NA	NA	5.433937406	0.454221054	1.080149451	0.420516858	0.674107917	0.998677884	Not Sig

ENSG00000270091	NA	NA	NA	13.75011889	0.458397621	0.824519246	0.555957454	0.57823994	0.998677884	Not Sig
ENSG00000273472	NA	NA	NA	16.84489751	0.458674351	0.918560944	0.499340141	0.617539781	0.998677884	Not Sig
ENSG00000258499	LINC02287	long intergenic non-protein coding RNA 2287	101929002	1.723608823	0.461593185	1.875048675	0.246176641	0.805545497	0.998677884	Not Sig
ENSG00000214837	LINC01347	long intergenic non-protein coding RNA 1347	731275	32.33593845	0.464676404	0.889319228	0.522507991	0.601316684	0.998677884	Not Sig
ENSG00000245694	LOC101927480	uncharacterized LOC101927480	101927480	316.4463699	0.465719179	0.671129358	0.693933551	0.487723882	0.998677884	Not Sig
ENSG00000254689	NA	NA	NA	0.803933062	0.466247279	2.579235039	0.180769597	0.856548428	0.998677884	Not Sig
ENSG00000269962	NA	NA	NA	0.803933062	0.466247279	2.579235039	0.180769597	0.856548428	0.998677884	Not Sig
ENSG00000243012	NA	NA	NA	2.324667108	0.468274068	1.471733542	0.318178566	0.75034949	0.998677884	Not Sig
ENSG00000251377	NA	NA	NA	2.208924409	0.472490844	1.617516545	0.292108817	0.770203426	0.998677884	Not Sig
ENSG00000227240	NA	NA	NA	2.630662216	0.475705464	1.647956986	0.288663763	0.772838696	0.998677884	Not Sig
ENSG00000186369	NA	NA	NA	1.842126868	0.476619436	2.052214052	0.232246454	0.816346599	0.998677884	Not Sig
ENSG00000251027	LINC01950	long intergenic non-protein coding RNA 1950	102467213	1.097472453	0.478336593	2.064710124	0.231672518	0.816792378	0.998677884	Not Sig
ENSG00000273424	NA	NA	NA	8.359579238	0.47999414	1.029329342	0.466317359	0.640988355	0.998677884	Not Sig
ENSG00000259747	NA	NA	NA	1.213215152	0.481454637	2.094250153	0.229893567	0.818174475	0.998677884	Not Sig
ENSG00000245060	LINC00847	long intergenic non-protein coding RNA 847	729678	284.7029747	0.488647182	0.688065551	0.710175333	0.477595415	0.998677884	Not Sig
ENSG00000272707	NA	NA	NA	7.425796576	0.490452755	1.012762154	0.484272396	0.628192564	0.998677884	Not Sig
ENSG00000255670	NA	NA	NA	5.855955818	0.490556524	1.241388332	0.395167661	0.692719157	0.998677884	Not Sig
ENSG00000249279	LINC02057	long intergenic non-protein coding RNA 2057	105378992	10.68629435	0.494087406	1.084084104	0.455764829	0.648559098	0.998677884	Not Sig
ENSG00000263050	NA	NA	NA	13.7627296	0.494329164	0.873076145	0.566192499	0.571262929	0.998677884	Not Sig
ENSG00000272667	NA	NA	NA	59.79137194	0.496942556	1.057593299	0.469880583	0.638440338	0.998677884	Not Sig
ENSG00000231054	NA	NA	NA	1.891997369	0.497137734	1.818851567	0.273325071	0.784603345	0.998677884	Not Sig
ENSG00000268164	NA	NA	NA	9.677522065	0.499224748	1.392503123	0.358508889	0.719962517	0.998677884	Not Sig
ENSG00000235641	NA	NA	NA	6.098195859	0.499915562	1.24897013	0.400262224	0.688963388	0.998677884	Not Sig
ENSG00000256982	NA	NA	NA	1.581663878	0.501510972	1.886315016	0.265868091	0.790340801	0.998677884	Not Sig
ENSG00000267311	NA	NA	NA	26.85054999	0.501788187	0.974675957	0.514825654	0.606674857	0.998677884	Not Sig
ENSG00000260464	NA	NA	NA	13.65540666	0.503262122	0.846073262	0.594820974	0.551963146	0.998677884	Not Sig
ENSG00000261005	NA	NA	NA	55.94315527	0.50419678	0.826800434	0.609816782	0.541983184	0.998677884	Not Sig
ENSG00000224635	NA	NA	NA	9.186403322	0.50730935	1.115356578	0.454840506	0.649223987	0.998677884	Not Sig
ENSG00000231977	NA	NA	NA	0.849465181	0.509859884	2.278925901	0.223728153	0.822968838	0.998677884	Not Sig
ENSG00000251221	LINC01337	long intergenic non-protein coding RNA 1337	103689917	0.849465181	0.509859884	2.278925901	0.223728153	0.822968838	0.998677884	Not Sig
ENSG00000228590	NA	NA	NA	1.141480787	0.511900824	2.319187896	0.22072417	0.82530721	0.998677884	Not Sig
ENSG00000236481	NA	NA	NA	3.254031621	0.513021974	1.456028576	0.352343342	0.724580787	0.998677884	Not Sig
ENSG00000228421	NA	NA	NA	6.106255254	0.520901659	1.177093353	0.442532155	0.658104167	0.998677884	Not Sig
ENSG00000270115	NA	NA	NA	34.46015048	0.524477582	0.878587637	0.596955341	0.550537198	0.998677884	Not Sig
ENSG00000232453	LOC105378753	uncharacterized LOC105378753	105378753	18.01855714	0.52472458	0.795212627	0.659854437	0.509347246	0.998677884	Not Sig

ENSG00000251611	NA	NA	NA	27.84877987	0.526224141	0.75927939	0.693057322	0.488273579	0.998677884	Not Sig
ENSG00000271888	NA	NA	NA	7.698007508	0.526231881	1.145850621	0.459249986	0.646054659	0.998677884	Not Sig
ENSG00000231966	NA	NA	NA	5.220193554	0.527315342	1.115348967	0.472780589	0.636369724	0.998677884	Not Sig
ENSG00000226644	NA	NA	NA	5.39554281	0.531639143	1.496807655	0.355182004	0.722453246	0.998677884	Not Sig
ENSG00000236537	NA	NA	NA	349.544462	0.53556806	0.613667304	0.872733575	0.382808313	0.998677884	Not Sig
ENSG00000271784	NA	NA	NA	0.835485679	0.538286119	2.567540398	0.209650496	0.833940465	0.998677884	Not Sig
ENSG00000249346	LINC01016	long intergenic non-protein coding RNA 1016	100507584	0.779254601	0.542896611	3.013299767	0.180166812	0.857021613	0.998677884	Not Sig
ENSG00000267452	NA	NA	NA	8.132824031	0.545661935	1.26917655	0.42993383	0.667243776	0.998677884	Not Sig
ENSG00000267712	LINC01539	long intergenic non-protein coding RNA 1539	100505474	1.13207264	0.546400165	2.320331223	0.235483693	0.813833334	0.998677884	Not Sig
ENSG00000223561	LOC646588	uncharacterized LOC646588	646588	30.37602429	0.549768465	1.114059375	0.493482194	0.621671918	0.998677884	Not Sig
ENSG00000215374	FAM66B	family with sequence similarity 66 member B	100128890	55.18125583	0.555267782	0.789579258	0.703245147	0.481902988	0.998677884	Not Sig
ENSG00000254606	NA	NA	NA	9.242483304	0.556666485	1.064412656	0.522979957	0.600988201	0.998677884	Not Sig
ENSG00000178947	SMIM10L2A	small integral membrane protein 10 like 2A	399668	224.926048	0.557261461	0.91986866	0.605805464	0.544643941	0.998677884	Not Sig
ENSG00000270265	NA	NA	NA	12.42870868	0.558619439	1.005493116	0.555567642	0.578506457	0.998677884	Not Sig
ENSG00000242258	LINC00996	long intergenic non-protein coding RNA 996	285972	53.77634405	0.5632522	0.926310547	0.608059793	0.543147817	0.998677884	Not Sig
ENSG00000256373	NA	NA	NA	6.12440706	0.563598498	1.349601747	0.417603563	0.676236991	0.998677884	Not Sig
ENSG00000237513	NA	NA	NA	73.66011697	0.568251806	1.050770139	0.540795541	0.588648517	0.998677884	Not Sig
ENSG00000234139	NA	NA	NA	5.018126406	0.57413566	1.204495227	0.476660801	0.63360368	0.998677884	Not Sig
ENSG00000230021	LOC101928626	uncharacterized LOC101928626	101928626	1.644769111	0.574966571	1.888254389	0.304496351	0.760749773	0.998677884	Not Sig
ENSG00000225913	NA	NA	NA	0.765275099	0.580623509	2.597145575	0.223562173	0.823098	0.998677884	Not Sig
ENSG00000249776	NA	NA	NA	5.468202607	0.587037007	1.407371252	0.417115957	0.676593594	0.998677884	Not Sig
ENSG00000228623	ZNF883	zinc finger protein 883	169834	22.19707565	0.587900441	0.845710184	0.695155921	0.486957593	0.998677884	Not Sig
ENSG00000259905	PWRN1	Prader-Willi region non-protein coding RNA 1	791114	7.526374443	0.589031975	1.496533591	0.393597564	0.69387818	0.998677884	Not Sig
ENSG00000224626	NA	NA	NA	6.276892694	0.592787685	1.273853774	0.465349867	0.641680929	0.998677884	Not Sig
ENSG00000273348	NA	NA	NA	1.576082316	0.598863202	1.868409255	0.320520357	0.748573901	0.998677884	Not Sig
ENSG00000233903	NA	NA	NA	16.66088108	0.601511035	1.079780448	0.557067908	0.577481033	0.998677884	Not Sig
ENSG00000271185	NA	NA	NA	1.579129886	0.603558328	1.9264319	0.313303744	0.754049906	0.998677884	Not Sig
ENSG00000225518	NA	NA	NA	22.68749391	0.603810545	1.15722116	0.521776275	0.601826111	0.998677884	Not Sig
ENSG00000224843	LINC00240	long intergenic non-protein coding RNA 240	100133205	32.96744968	0.60683236	0.968309914	0.626692293	0.530860957	0.998677884	Not Sig
ENSG00000225708	NA	NA	NA	1.519618266	0.608879363	2.147001976	0.283595157	0.776720649	0.998677884	Not Sig
ENSG00000230978	LINC00160	long intergenic non-protein coding RNA 160	54064	2.210383653	0.611623318	1.672059711	0.365790357	0.714521516	0.998677884	Not Sig
ENSG00000239774	NA	NA	NA	0.809283432	0.617023958	2.995206387	0.20600382	0.836787927	0.998677884	Not Sig
ENSG00000229178	NA	NA	NA	5.689425666	0.617537071	1.302083039	0.474268578	0.635308396	0.998677884	Not Sig
ENSG00000266976	LOC102724908	uncharacterized LOC102724908	102724908	1.565150384	0.620290702	1.826229639	0.339656464	0.734115251	0.998677884	Not Sig
ENSG00000239828	NA	NA	NA	8.830640387	0.622830217	1.267091699	0.491543128	0.623042356	0.998677884	Not Sig

ENSG00000260509	NA	NA	NA	0.812331002	0.624652492	2.993471316	0.208671614	0.834704601	0.998677884	Not Sig
ENSG00000267272	LINC01140	long intergenic non-protein coding RNA 1140	339524	20.25889748	0.62844495	1.048811895	0.599201347	0.549038625	0.998677884	Not Sig
ENSG00000260750	LOC101928737	uncharacterized LOC101928737	101928737	7.929671499	0.628619905	1.036697549	0.606367697	0.544270614	0.998677884	Not Sig
ENSG00000272716	NA	NA	NA	3.292866398	0.630221231	1.364561224	0.461848996	0.644189612	0.998677884	Not Sig
ENSG00000240875	LINC00886	long intergenic non-protein coding RNA 886	730091	61.29043143	0.634442364	0.647725518	0.979492618	0.327336634	0.998677884	Not Sig
ENSG00000266402	SNHG25	small nucleolar RNA host gene 25	105376843	29.24013663	0.636528835	0.891131696	0.714292666	0.475046227	0.998677884	Not Sig
ENSG00000251218	LOC101927845	uncharacterized LOC101927845	101927845	2.780297327	0.636598298	1.715298845	0.371129672	0.710540951	0.998677884	Not Sig
ENSG00000269916	NA	NA	NA	1.963500542	0.637569745	2.02731759	0.314489328	0.753149421	0.998677884	Not Sig
ENSG00000229388	LINC01715	long intergenic non-protein coding RNA 1715	105378616	9.256896198	0.638182927	1.128595477	0.565466494	0.571756508	0.998677884	Not Sig
ENSG00000264520	NA	NA	NA	2.123146001	0.639382505	2.042998885	0.312962728	0.754308979	0.998677884	Not Sig
ENSG00000218510	LINC00339	long intergenic non-protein coding RNA 339	29092	194.7805043	0.639735107	0.698844595	0.915418266	0.359972093	0.998677884	Not Sig
ENSG00000205181	LINC00654	long intergenic non-protein coding RNA 654	149837	342.3521654	0.643692661	0.663260615	0.970497337	0.331798652	0.998677884	Not Sig
ENSG00000251388	NA	NA	NA	2.126193571	0.645218307	1.681109874	0.383804959	0.701123012	0.998677884	Not Sig
ENSG00000267499	NA	NA	NA	1.273134778	0.647151357	2.062106704	0.313830199	0.753650007	0.998677884	Not Sig
ENSG00000227403	LINC01806	long intergenic non-protein coding RNA 1806	100996579	81.87593525	0.649349894	0.76808175	0.845417684	0.397877675	0.998677884	Not Sig
ENSG00000263280	NA	NA	NA	1.371850404	0.650583441	2.249472573	0.289215992	0.772416095	0.998677884	Not Sig
ENSG00000233261	FAM238A	family with sequence similarity 238 member A (non-protein coding)	645528	4.024287861	0.663681092	1.862105554	0.356414324	0.721530304	0.998677884	Not Sig
ENSG00000254837	NA	NA	NA	99.51359259	0.666578544	0.648989654	1.027101958	0.304372457	0.998677884	Not Sig
ENSG00000270012	NA	NA	NA	68.02783445	0.669234501	0.712401643	0.939406174	0.347522245	0.998677884	Not Sig
ENSG00000224429	NA	NA	NA	14.35114196	0.670435515	0.981306309	0.683207179	0.494475937	0.998677884	Not Sig
ENSG00000205663	NA	NA	NA	118.5408549	0.670563189	1.491654014	0.449543381	0.653039721	0.998677884	Not Sig
ENSG00000260219	LOC101928707	uncharacterized LOC101928707	101928707	28.92426364	0.670643307	0.91470586	0.733179196	0.463449142	0.998677884	Not Sig
ENSG00000260101	LOC101927402	uncharacterized LOC101927402	101927402	9.935988676	0.676792153	1.209771946	0.559437798	0.575862972	0.998677884	Not Sig
ENSG00000226822	NA	NA	NA	9.421215777	0.67853339	1.353201942	0.501428035	0.616069914	0.998677884	Not Sig
ENSG00000253522	MIR3142HG	MIR3142 host gene	107075116	47.95979486	0.6787979	0.974231996	0.696751803	0.485958133	0.998677884	Not Sig
ENSG00000272511	NA	NA	NA	3.705604064	0.681164769	1.645076799	0.414062595	0.678828265	0.998677884	Not Sig
ENSG00000234350	NA	NA	NA	49.80589347	0.682104213	1.083551385	0.629507952	0.529016565	0.998677884	Not Sig
ENSG00000269923	NA	NA	NA	8.770589424	0.685501265	0.99088507	0.691807038	0.489058516	0.998677884	Not Sig
ENSG00000240618	NA	NA	NA	18.516327	0.691994591	0.957947296	0.7223723	0.470065613	0.998677884	Not Sig
ENSG00000271751	NA	NA	NA	5.07999024	0.692390535	1.11580454	0.620530309	0.534908706	0.998677884	Not Sig
ENSG00000228561	NA	NA	NA	52.79774615	0.692814558	1.145374544	0.604880353	0.545258499	0.998677884	Not Sig
ENSG00000272235	NA	NA	NA	4.079403159	0.693564321	1.317772023	0.526315864	0.598668763	0.998677884	Not Sig
ENSG00000256576	LINC02361	long intergenic non-protein coding RNA 2361	100996246	27.56684411	0.694862989	1.057183859	0.657277334	0.511002608	0.998677884	Not Sig
ENSG00000272564	NA	NA	NA	15.69840697	0.698618955	0.925883956	0.754542673	0.450523432	0.998677884	Not Sig
ENSG00000263350	NA	NA	NA	5.528105326	0.700361005	1.372879637	0.510140136	0.609953288	0.998677884	Not Sig

ENSG00000263884	NA	NA	NA	13.87273551	0.702388882	1.041537277	0.674377094	0.500071602	0.998677884	Not Sig
ENSG00000263105	NA	NA	NA	7.533935142	0.705932256	1.407835924	0.501430774	0.616067987	0.998677884	Not Sig
ENSG00000254140	NA	NA	NA	0.784371998	0.707752216	3.011451528	0.235020292	0.814192984	0.998677884	Not Sig
ENSG00000233060	NA	NA	NA	2.017325027	0.712636628	1.712077675	0.416240827	0.677233787	0.998677884	Not Sig
ENSG00000204241	LOC100128239	uncharacterized LOC100128239	100128239	10.9405495	0.713289517	1.028297874	0.693660403	0.487895204	0.998677884	Not Sig
ENSG00000257859	CASC18	cancer susceptibility 18 (non-protein coding)	101929110	0.787419568	0.715359798	3.009499491	0.237700588	0.812113328	0.998677884	Not Sig
ENSG00000254533	NA	NA	NA	7.080383131	0.716094582	1.230177253	0.582106831	0.560494725	0.998677884	Not Sig
ENSG00000249159	NA	NA	NA	1.234476815	0.724245824	2.320804306	0.312066736	0.754989806	0.998677884	Not Sig
ENSG00000234035	NA	NA	NA	18.37675735	0.724305026	1.604756486	0.45134887	0.651738128	0.998677884	Not Sig
ENSG00000230906	NA	NA	NA	0.829904117	0.725755177	2.572367994	0.282135051	0.777839957	0.998677884	Not Sig
ENSG00000232606	NA	NA	NA	0.831427902	0.729217341	2.57184866	0.283538201	0.776764303	0.998677884	Not Sig
ENSG00000237477	NA	NA	NA	0.831427902	0.729217341	2.57184866	0.283538201	0.776764303	0.998677884	Not Sig
ENSG00000251152	NA	NA	NA	10.32584221	0.738261754	1.363404032	0.541484209	0.588173879	0.998677884	Not Sig
ENSG00000230773	NA	NA	NA	2.050401429	0.739919621	1.653152481	0.447580988	0.654455626	0.998677884	Not Sig
ENSG00000272556	NA	NA	NA	22.21196971	0.748052734	1.055293357	0.708857617	0.478412839	0.998677884	Not Sig
ENSG00000232504	NA	NA	NA	53.86841019	0.749071933	0.875671727	0.855425509	0.392315627	0.998677884	Not Sig
ENSG00000253115	NA	NA	NA	1.262981861	0.760520173	2.007266828	0.378883446	0.704774418	0.998677884	Not Sig
ENSG00000259372	NA	NA	NA	3.35715865	0.76072358	1.423761091	0.53430564	0.593130091	0.998677884	Not Sig
ENSG00000242268	LINC02082	long intergenic non-protein coding RNA 2082	100507661	6.922982532	0.76914337	1.460886072	0.526491001	0.598547103	0.998677884	Not Sig
ENSG00000268751	NA	NA	NA	8.266972904	0.769444215	1.173971956	0.655419587	0.512197644	0.998677884	Not Sig
ENSG00000258807	NA	NA	NA	1.817897444	0.772312138	2.140067976	0.360882059	0.718187616	0.998677884	Not Sig
ENSG00000267939	NA	NA	NA	5.325398979	0.772336331	1.107088874	0.697628121	0.48540979	0.998677884	Not Sig
ENSG00000261504	LINC01686	long intergenic non-protein coding RNA 1686	284648	8.921622701	0.772917852	1.111563241	0.69534312	0.486840297	0.998677884	Not Sig
ENSG00000273319	NA	NA	NA	8.31048943	0.777092302	1.601618173	0.485191986	0.627540166	0.998677884	Not Sig
ENSG00000272764	NA	NA	NA	9.493867789	0.784083167	1.036166177	0.756715654	0.449220234	0.998677884	Not Sig
ENSG00000224610	NA	NA	NA	0.8174484	0.786377812	2.991760617	0.262847839	0.792667862	0.998677884	Not Sig
ENSG00000266950	NA	NA	NA	1.252049929	0.78745193	1.967180509	0.400294699	0.688939472	0.998677884	Not Sig
ENSG00000224532	NA	NA	NA	2.723129538	0.790338698	1.462945935	0.540237803	0.589033045	0.998677884	Not Sig
ENSG00000271334	LINC02104	long intergenic non-protein coding RNA 2104	101926940	3.439175113	0.790684474	1.690982511	0.467588795	0.64007868	0.998677884	Not Sig
ENSG00000249335	NA	NA	NA	2.952680889	0.792727561	1.603726413	0.494303489	0.621091862	0.998677884	Not Sig
ENSG00000228536	NA	NA	NA	0.452174643	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000236921	NA	NA	NA	0.452174643	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000244247	LINC01995	long intergenic non-protein coding RNA 1995	105374244	0.452174643	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000250366	TUNAR	TCL1 upstream neural differentiation-associated RNA	100507043	0.452174643	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000251458	NA	NA	NA	0.452174643	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig

ENSG00000254084	NA	NA	NA	0.452174643	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000254223	NA	NA	NA	0.503288324	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000258502	NA	NA	NA	0.503288324	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000260569	NA	NA	NA	0.46463036	0.79342899	4.04597144	0.196103458	0.84452919	0.998677884	Not Sig
ENSG00000244620	NA	NA	NA	8.784972441	0.795126722	1.166377398	0.681706216	0.495424736	0.998677884	Not Sig
ENSG00000272138	LINC01607	long intergenic non-protein coding RNA 1607	101927067	17.94659857	0.796076986	0.922265072	0.863175903	0.38804076	0.998677884	Not Sig
ENSG00000263033	NA	NA	NA	3.487521829	0.79666874	1.303445772	0.611202059	0.54106582	0.998677884	Not Sig
ENSG00000271234	NA	NA	NA	2.2354719	0.799158303	1.544266193	0.517500355	0.604806921	0.998677884	Not Sig
ENSG00000260274	NA	NA	NA	41.55607113	0.799578788	0.81717494	0.978467093	0.327843359	0.998677884	Not Sig
ENSG00000270081	NA	NA	NA	193.1027781	0.799703481	0.649236993	1.231758956	0.218039139	0.998677884	Not Sig
ENSG00000228784	LINC00954	long intergenic non-protein coding RNA 954	400946	38.71198162	0.803623325	0.818180364	0.982208031	0.325997372	0.998677884	Not Sig
ENSG00000234597	NA	NA	NA	2.54685663	0.803747962	2.103389304	0.3821204	0.702372061	0.998677884	Not Sig
ENSG00000223751	NA	NA	NA	0.453698429	0.803968366	3.492108422	0.230224343	0.817917447	0.998677884	Not Sig
ENSG00000224174	NA	NA	NA	0.453698429	0.803968366	3.492108422	0.230224343	0.817917447	0.998677884	Not Sig
ENSG00000232470	NA	NA	NA	0.453698429	0.803968366	3.492108422	0.230224343	0.817917447	0.998677884	Not Sig
ENSG00000227386	NA	NA	NA	0.466154146	0.804232429	3.46540012	0.232074912	0.81647983	0.998677884	Not Sig
ENSG00000236544	NA	NA	NA	0.466154146	0.804232429	3.46540012	0.232074912	0.81647983	0.998677884	Not Sig
ENSG00000273481	NA	NA	NA	0.466154146	0.804232429	3.46540012	0.232074912	0.81647983	0.998677884	Not Sig
ENSG00000272081	NA	NA	NA	21.19566436	0.804730969	0.918664956	0.875978738	0.381041593	0.998677884	Not Sig
ENSG00000226375	NA	NA	NA	1.685127673	0.804907967	2.064508905	0.389878661	0.696626274	0.998677884	Not Sig
ENSG00000223859	NA	NA	NA	0.467677931	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000235725	NA	NA	NA	0.506335894	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000258354	NA	NA	NA	0.467677931	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000260492	CISTR	chondrogenesis-associated transcript	102216268	0.467677931	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000263041	NA	NA	NA	0.455222214	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000267683	NA	NA	NA	0.467677931	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000270090	NA	NA	NA	0.455222214	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000271742	NA	NA	NA	0.467677931	0.805777876	4.044806324	0.199212969	0.842096155	0.998677884	Not Sig
ENSG00000261219	NA	NA	NA	3.739627911	0.810549781	1.263121688	0.641703637	0.521065627	0.998677884	Not Sig
ENSG00000249352	NA	NA	NA	16.85214103	0.814390328	0.954952499	0.85280716	0.393766253	0.998677884	Not Sig
ENSG00000248489	NA	NA	NA	13.18796536	0.816513214	0.990196207	0.824597396	0.4096002	0.998677884	Not Sig
ENSG00000240006	LINC02004	long intergenic non-protein coding RNA 2004	105374119	9.543645134	0.816884788	1.007335455	0.810936202	0.417402309	0.998677884	Not Sig
ENSG00000272799	NA	NA	NA	2.538700044	0.821588424	1.596795083	0.514523393	0.606886109	0.998677884	Not Sig
ENSG00000240770	C21orf91-OT1	C21orf91 overlapping transcript 1	246312	3.193982438	0.822450952	1.367313707	0.601508599	0.547501286	0.998677884	Not Sig
ENSG00000270332	SMC2-AS1	SMC2 antisense RNA 1 (head to head)	101928550	26.45965279	0.827742581	0.94271792	0.87803845	0.379922853	0.998677884	Not Sig

ENSG00000204837	NA	NA	NA	9.239656994	0.828032441	1.368320203	0.605145228	0.545082505	0.998677884	Not Sig
ENSG00000258867	LINC01146	long intergenic non-protein coding RNA 1146	283587	11.34401434	0.833928343	1.237354183	0.673960903	0.50033617	0.998677884	Not Sig
ENSG00000223764	LOC100130417	uncharacterized LOC100130417	100130417	125.4779987	0.835100128	0.953167367	0.876131681	0.380958452	0.998677884	Not Sig
ENSG00000250829	NA	NA	NA	4.193326339	0.835388752	1.178773602	0.708693128	0.47851493	0.998677884	Not Sig
ENSG00000206113	CFAP99	cilia and flagella associated protein 99	402160	40.70538296	0.838203422	1.323000244	0.63356256	0.526366341	0.998677884	Not Sig
ENSG00000250271	NA	NA	NA	2.897395477	0.840049319	1.676546733	0.501059292	0.616329395	0.998677884	Not Sig
ENSG00000259780	NA	NA	NA	6.492165061	0.840915134	1.249496399	0.673003247	0.500945225	0.998677884	Not Sig
ENSG00000230943	LINC02541	long intergenic non-protein coding RNA 2541	101927686	12.89634292	0.842941952	1.146765043	0.735060732	0.462302508	0.998677884	Not Sig
ENSG00000248360	LINC00504	long intergenic non-protein coding RNA 504	201853	16.3183245	0.844713459	0.835948515	1.010485028	0.312262969	0.998677884	Not Sig
ENSG00000255666	NA	NA	NA	2.686228332	0.851711982	2.378173741	0.358136989	0.7202408	0.998677884	Not Sig
ENSG00000270066	NA	NA	NA	15686.1047	0.851745926	0.894450845	0.952255711	0.340967313	0.998677884	Not Sig
ENSG00000224995	LINC01526	long intergenic non-protein coding RNA 1526	101928770	2.239065512	0.852702668	1.586305619	0.537539966	0.590894686	0.998677884	Not Sig
ENSG00000259278	NA	NA	NA	3.091114099	0.853187757	1.42525187	0.598622443	0.549424686	0.998677884	Not Sig
ENSG00000243819	NA	NA	NA	5.089372622	0.853993572	1.277842789	0.668308793	0.503936502	0.998677884	Not Sig
ENSG00000263931	NA	NA	NA	6.956395797	0.855990663	1.045754421	0.81853889	0.413049545	0.998677884	Not Sig
ENSG00000239467	NA	NA	NA	123.7681417	0.85859435	0.894843702	0.959490857	0.337311524	0.998677884	Not Sig
ENSG00000260604	NA	NA	NA	35.44168788	0.866585516	0.875592253	0.989713549	0.322314151	0.998677884	Not Sig
ENSG00000261340	LINC01616	long intergenic non-protein coding RNA 1616	106456574	1.74670912	0.872239333	2.093583163	0.416625118	0.676952634	0.998677884	Not Sig
ENSG00000270035	NA	NA	NA	6.162248491	0.872376254	1.143548959	0.762867429	0.445542463	0.998677884	Not Sig
ENSG00000272432	NA	NA	NA	2.394107153	0.872402322	1.712017906	0.509575466	0.610348916	0.998677884	Not Sig
ENSG00000230914	NA	NA	NA	4.758731516	0.877151948	1.537367536	0.570554489	0.568301676	0.998677884	Not Sig
ENSG00000253557	NA	NA	NA	9.49652647	0.879882577	1.026337004	0.857303765	0.391277029	0.998677884	Not Sig
ENSG00000259225	LINC02345	long intergenic non-protein coding RNA 2345	101928227	37.39407489	0.879936535	1.284593098	0.68499242	0.493348704	0.998677884	Not Sig
ENSG00000230794	NA	NA	NA	2.689821944	0.888567285	1.726313701	0.514719477	0.606749061	0.998677884	Not Sig
ENSG00000236377	NA	NA	NA	1.541931167	0.889517802	1.914277292	0.464675523	0.642163839	0.998677884	Not Sig
ENSG00000240754	NA	NA	NA	15.72942142	0.890960075	1.147316889	0.776559714	0.437418578	0.998677884	Not Sig
ENSG00000233791	LINC01136	long intergenic non-protein coding RNA 1136	730227	13.50423461	0.893241596	0.850198034	1.050627689	0.293429619	0.998677884	Not Sig
ENSG00000197503	LINC00477	long intergenic non-protein coding RNA 477	144360	1.781309307	0.897152243	1.782119281	0.50341874	0.614669899	0.998677884	Not Sig
ENSG00000260136	NA	NA	NA	31.08283972	0.899973222	0.754925157	1.192135689	0.233208045	0.998677884	Not Sig
ENSG00000261889	NA	NA	NA	13.72161746	0.901385118	1.027775291	0.87702548	0.380472798	0.998677884	Not Sig
ENSG00000259705	LOC105370809	uncharacterized LOC105370809	105370809	1.465625446	0.907438134	2.279378394	0.398107719	0.690550784	0.998677884	Not Sig
ENSG00000272715	NA	NA	NA	1.002518871	0.909000585	2.168989751	0.419089387	0.675150807	0.998677884	Not Sig
ENSG00000226900	NA	NA	NA	1.828365211	0.913776742	1.843736638	0.495611316	0.620168667	0.998677884	Not Sig
ENSG00000258001	NA	NA	NA	0.536364726	0.916913174	3.345832086	0.274046381	0.784048979	0.998677884	Not Sig
ENSG00000272265	NA	NA	NA	0.536364726	0.916913174	3.345832086	0.274046381	0.784048979	0.998677884	Not Sig

ENSG00000264215	NA	NA	NA	0.497706762	0.91736064	3.415509229	0.268586784	0.788247683	0.998677884	Not Sig
ENSG00000272545	NA	NA	NA	0.497706762	0.91736064	3.415509229	0.268586784	0.788247683	0.998677884	Not Sig
ENSG00000273396	LINC01396	long intergenic non-protein coding RNA 1396	103695434	0.497706762	0.91736064	3.415509229	0.268586784	0.788247683	0.998677884	Not Sig
ENSG00000241084	NA	NA	NA	0.485251045	0.917509528	3.439717358	0.266739802	0.789669506	0.998677884	Not Sig
ENSG00000256166	NA	NA	NA	0.485251045	0.917509528	3.439717358	0.266739802	0.789669506	0.998677884	Not Sig
ENSG00000225791	TRAM2-AS1	TRAM2 antisense RNA 1 (head to head)	401264	138.8214217	0.918535399	0.712498062	1.289175996	0.197336908	0.998677884	Not Sig
ENSG00000204929	LOC101927533	uncharacterized LOC101927533	101927533	32.2687915	0.920114071	0.819778853	1.122393031	0.261695366	0.998677884	Not Sig
ENSG00000272506	NA	NA	NA	13.67013001	0.920209735	0.901067469	1.021243988	0.307138857	0.998677884	Not Sig
ENSG00000272733	NA	NA	NA	7.067743953	0.920455294	1.045889362	0.880069467	0.378821678	0.998677884	Not Sig
ENSG00000232347	NA	NA	NA	0.537888511	0.922363222	3.34388924	0.275835459	0.782674448	0.998677884	Not Sig
ENSG00000262477	NA	NA	NA	0.537888511	0.922363222	3.34388924	0.275835459	0.782674448	0.998677884	Not Sig
ENSG00000273006	NA	NA	NA	0.537888511	0.922363222	3.34388924	0.275835459	0.782674448	0.998677884	Not Sig
ENSG00000227292	NA	NA	NA	0.499230547	0.922853602	3.41326235	0.270372889	0.786873395	0.998677884	Not Sig
ENSG00000256654	NA	NA	NA	0.499230547	0.922853602	3.41326235	0.270372889	0.786873395	0.998677884	Not Sig
ENSG00000260107	NA	NA	NA	0.499230547	0.922853602	3.41326235	0.270372889	0.786873395	0.998677884	Not Sig
ENSG00000260256	NA	NA	NA	0.48677483	0.923016712	3.437359367	0.268524938	0.788295282	0.998677884	Not Sig
ENSG00000273406	NA	NA	NA	0.48677483	0.923016712	3.437359367	0.268524938	0.788295282	0.998677884	Not Sig
ENSG00000264448	NA	NA	NA	7.093102645	0.931725082	1.189792385	0.783098878	0.43356905	0.998677884	Not Sig
ENSG00000235049	LINC00940	long intergenic non-protein coding RNA 940	100271702	9.387342987	0.933615612	1.554094953	0.60074554	0.548009482	0.998677884	Not Sig
ENSG00000175773	NA	NA	NA	14.29494821	0.938795911	0.985481126	0.952626981	0.340779102	0.998677884	Not Sig
ENSG00000231808	NA	NA	NA	1.873897329	0.944505458	2.5144386	0.375632739	0.707189948	0.998677884	Not Sig
ENSG00000223403	MEG9	maternally expressed 9 (non-protein coding)	100507257	9.116682773	0.951569852	1.600183204	0.594663067	0.552068714	0.998677884	Not Sig
ENSG00000232618	NA	NA	NA	11.84160551	0.951606681	1.158970731	0.821079131	0.411601196	0.998677884	Not Sig
ENSG00000263312	NA	NA	NA	0.932308291	0.952524557	2.844818798	0.334827848	0.737754952	0.998677884	Not Sig
ENSG00000255322	NA	NA	NA	15.33141103	0.954267189	1.065399985	0.895689133	0.370418816	0.998677884	Not Sig
ENSG00000233852	NA	NA	NA	1.037119058	0.960535889	2.426654643	0.39582719	0.692232517	0.998677884	Not Sig
ENSG00000255856	NA	NA	NA	8.403455258	0.968525715	0.930934624	1.040379947	0.298163414	0.998677884	Not Sig
ENSG00000250344	NA	NA	NA	20.54456106	0.973345996	1.268191568	0.767507071	0.442780091	0.998677884	Not Sig
ENSG00000271780	NA	NA	NA	50.68888756	0.97486998	0.848905854	1.148384094	0.250810037	0.998677884	Not Sig
ENSG00000175772	NA	NA	NA	150.4156257	0.975122716	0.891243256	1.094115114	0.273904495	0.998677884	Not Sig
ENSG00000226913	BSN-AS2	BSN antisense RNA 2 (head to head)	100132677	4.176338044	0.976814118	1.577842965	0.619081962	0.535862366	0.998677884	Not Sig
ENSG00000272894	NA	NA	NA	103.3142421	0.978115618	0.684527168	1.428892327	0.153035183	0.998677884	Not Sig
ENSG00000272438	NA	NA	NA	2.866291898	0.982257211	2.006594463	0.489514563	0.624477447	0.998677884	Not Sig
ENSG00000235304	LINC01281	long intergenic non-protein coding RNA 1281	286442	7.021259898	0.983257327	1.608200236	0.611402303	0.540933279	0.998677884	Not Sig
ENSG00000271869	NA	NA	NA	13.41412573	0.987659996	1.379002638	0.716213275	0.473859668	0.998677884	Not Sig

ENSG00000253764	NA	NA	NA	4.098381138	0.990956753	1.408334205	0.703637496	0.481658554	0.998677884	Not Sig
ENSG00000203721	LINC00862	long intergenic non-protein coding RNA 862	554279	35.61916868	0.99105393	1.386344964	0.7148682	0.474690488	0.998677884	Not Sig
ENSG00000214407	LINC02085	long intergenic non-protein coding RNA 2085	152225	1.426967482	0.991320163	2.669148147	0.371399454	0.710340032	0.998677884	Not Sig
ENSG00000272456	NA	NA	NA	0.919852574	0.992020288	2.456340433	0.403861075	0.686314881	0.998677884	Not Sig
ENSG00000246283	NA	NA	NA	3.417015516	0.99802353	1.364266814	0.731545706	0.464445897	0.998677884	Not Sig
ENSG00000272913	NA	NA	NA	140.7913316	1.005848576	0.815858603	1.232871202	0.217623821	0.998677884	Not Sig
ENSG00000226853	NA	NA	NA	4.186797429	1.007144962	1.240529683	0.811866879	0.416868021	0.998677884	Not Sig
ENSG00000224222	NA	NA	NA	1.373551003	1.0089009	2.196016516	0.459423184	0.645930303	0.998677884	Not Sig
ENSG00000257137	NA	NA	NA	1.067147889	1.011368254	2.462895559	0.410641958	0.681335093	0.998677884	Not Sig
ENSG00000262898	NA	NA	NA	0.965384693	1.011713051	2.444267787	0.413912525	0.678938171	0.998677884	Not Sig
ENSG00000264707	L3MBTL4-AS1	L3MBTL4 antisense RNA 1	101927150	5.028187901	1.01565075	1.457079023	0.697045757	0.485774159	0.998677884	Not Sig
ENSG00000270168	NA	NA	NA	6.438128311	1.027082567	1.82321509	0.563335929	0.573206157	0.998677884	Not Sig
ENSG00000231459	NA	NA	NA	12.06484069	1.028381669	1.048917439	0.980421939	0.326877885	0.998677884	Not Sig
ENSG00000260637	NA	NA	NA	2.542324052	1.028752742	1.7692064	0.581476951	0.560919048	0.998677884	Not Sig
ENSG00000231367	NA	NA	NA	11.53472712	1.032845481	0.88178925	1.171306501	0.241475599	0.998677884	Not Sig
ENSG00000223929	MIR4432HG	MIR4432 host gene	106660609	0.569441127	1.039252287	4.001919149	0.259688476	0.795104082	0.998677884	Not Sig
ENSG00000229983	NA	NA	NA	0.569441127	1.039252287	4.001919149	0.259688476	0.795104082	0.998677884	Not Sig
ENSG00000258390	LINC02318	long intergenic non-protein coding RNA 2318	100506999	0.569441127	1.039252287	4.001919149	0.259688476	0.795104082	0.998677884	Not Sig
ENSG00000261817	NA	NA	NA	0.569441127	1.039252287	4.001919149	0.259688476	0.795104082	0.998677884	Not Sig
ENSG00000267337	LINC01478	long intergenic non-protein coding RNA 1478	101927921	0.569441127	1.039252287	4.001919149	0.259688476	0.795104082	0.998677884	Not Sig
ENSG00000233017	NA	NA	NA	0.518327446	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000246863	NA	NA	NA	0.518327446	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000250706	NA	NA	NA	0.518327446	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000251244	NA	NA	NA	0.518327446	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000254820	NA	NA	NA	0.518327446	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000258969	NA	NA	NA	0.530783163	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000266578	NA	NA	NA	0.530783163	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000267808	NA	NA	NA	0.518327446	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000270036	NA	NA	NA	0.530783163	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000270777	NA	NA	NA	0.530783163	1.039516703	4.024477086	0.258298577	0.796176485	0.998677884	Not Sig
ENSG00000226308	NA	NA	NA	0.907396857	1.040877928	2.856381908	0.364404328	0.715556104	0.998677884	Not Sig
ENSG00000226791	NA	NA	NA	13.00131725	1.041334161	0.872747555	1.193167663	0.232803716	0.998677884	Not Sig
ENSG00000224177	LINC00570	long intergenic non-protein coding RNA 570	100874055	0.952928976	1.043038709	2.182903837	0.477821648	0.632777152	0.998677884	Not Sig
ENSG00000260448	NA	NA	NA	4.979230602	1.044386147	1.172046435	0.891079155	0.372886707	0.998677884	Not Sig
ENSG00000264345	NA	NA	NA	3.018304986	1.048460138	1.559520857	0.672296323	0.50139507	0.998677884	Not Sig

ENSG00000267922	NA	NA	NA	1.362619071	1.048746012	2.606780894	0.4023146	0.687452511	0.998677884	Not Sig
ENSG00000258701	LINC00638	long intergenic non-protein coding RNA 638	196872	48.50978005	1.048817947	0.856413579	1.224662912	0.220702254	0.998677884	Not Sig
ENSG00000260874	LOC105371050	uncharacterized LOC105371050	105371050	13.98578436	1.048882033	1.034235021	1.014162169	0.310505377	0.998677884	Not Sig
ENSG00000262179	MYMX	myomixer, myoblast fusion factor	101929726	8.852242757	1.052928821	1.487209741	0.707989459	0.478951803	0.998677884	Not Sig
ENSG00000237310	GS1-124K5.4	uncharacterized LOC100289098	100289098	18.61873599	1.054328907	0.981775416	1.073900292	0.282867372	0.998677884	Not Sig
ENSG00000270673	YTHDF3-AS1	YTHDF3 antisense RNA 1 (head to head)	101410533	17.62542476	1.056648154	0.961521956	1.098932944	0.271797316	0.998677884	Not Sig
ENSG00000237489	NA	NA	NA	43.79333745	1.058023335	0.927529554	1.140689621	0.253999107	0.998677884	Not Sig
ENSG00000253317	NA	NA	NA	4.255020059	1.064181147	1.325815178	0.802661762	0.42217026	0.998677884	Not Sig
ENSG00000269961	NA	NA	NA	4.50976345	1.066635738	1.171435771	0.910537107	0.362539322	0.998677884	Not Sig
ENSG00000224017	LINC01449	long intergenic non-protein coding RNA 1449	101928773	1.661908456	1.068751871	1.865192242	0.572998239	0.566645886	0.998677884	Not Sig
ENSG00000237471	NA	NA	NA	2.84633121	1.070306496	1.536799633	0.696451556	0.486146085	0.998677884	Not Sig
ENSG00000259834	NA	NA	NA	241.3511622	1.070493416	1.114965165	0.960113777	0.336997955	0.998677884	Not Sig
ENSG00000255775	NA	NA	NA	0.995413524	1.071715391	2.819736916	0.380076377	0.703888721	0.998677884	Not Sig
ENSG00000272828	NA	NA	NA	0.998461094	1.077442745	2.818630645	0.382257515	0.702270365	0.998677884	Not Sig
ENSG00000261997	NA	NA	NA	46.00358701	1.077613194	0.863147192	1.248469791	0.211859065	0.998677884	Not Sig
ENSG00000251085	LINC01969	long intergenic non-protein coding RNA 1969	101927230	1.19270674	1.07934695	2.776098428	0.388799957	0.697424132	0.998677884	Not Sig
ENSG00000258777	HIF1A-AS1	HIF1A antisense RNA 1	100750246	3.248907576	1.079445669	1.361138212	0.793046334	0.427750828	0.998677884	Not Sig
ENSG00000235576	NA	NA	NA	8.973605795	1.080804654	1.345173259	0.803468733	0.421703862	0.998677884	Not Sig
ENSG00000259652	NA	NA	NA	4.086093853	1.08266984	1.175554331	0.920986645	0.357057399	0.998677884	Not Sig
ENSG00000236427	NA	NA	NA	6.874357516	1.090680591	1.49412543	0.72997927	0.465402856	0.998677884	Not Sig
ENSG00000228798	NA	NA	NA	6.804725055	1.091425456	1.337578479	0.815971155	0.414516634	0.998677884	Not Sig
ENSG00000227681	NA	NA	NA	10.67039963	1.097998318	0.980019627	1.120384009	0.262550156	0.998677884	Not Sig
ENSG00000259783	LINC02259	long intergenic non-protein coding RNA 2259	102723640	0.937425688	1.099480214	2.888442923	0.380648066	0.70346441	0.998677884	Not Sig
ENSG00000270117	NA	NA	NA	4.405604298	1.103653469	1.392354461	0.792652576	0.427980267	0.998677884	Not Sig
ENSG00000271991	NA	NA	NA	0.986005377	1.108673013	2.440542336	0.454273215	0.649632192	0.998677884	Not Sig
ENSG00000226472	NA	NA	NA	7.307821439	1.108845144	1.035675331	1.070649374	0.284327114	0.998677884	Not Sig
ENSG00000233643	NA	NA	NA	10.55164787	1.112876034	1.705496675	0.652523133	0.514063754	0.998677884	Not Sig
ENSG00000265055	NA	NA	NA	12.27121878	1.119102598	0.886575552	1.2622755	0.206849669	0.998677884	Not Sig
ENSG00000232931	NA	NA	NA	358.2164864	1.121182248	0.756627015	1.481816306	0.138389179	0.998677884	Not Sig
ENSG00000234840	LINC01239	long intergenic non-protein coding RNA 1239	441389	29.65273954	1.122999728	1.398118215	0.8032223	0.421846258	0.998677884	Not Sig
ENSG00000259577	NA	NA	NA	14.27426631	1.124302747	0.936453958	1.200595862	0.229908007	0.998677884	Not Sig
ENSG00000230415	NA	NA	NA	23.81307654	1.12451681	0.972349994	1.156493873	0.247479204	0.998677884	Not Sig
ENSG00000257139	NA	NA	NA	2.502921317	1.127469595	1.716360577	0.656895532	0.511248091	0.998677884	Not Sig
ENSG00000231816	NA	NA	NA	7.328819921	1.127775056	1.592526118	0.708167384	0.478841318	0.998677884	Not Sig
ENSG00000237423	NA	NA	NA	1.028489925	1.132405843	2.851677101	0.397101706	0.691292462	0.998677884	Not Sig

ENSG00000272566	NA	NA	NA	2.440234726	1.140140049	1.733562377	0.657686199	0.510739793	0.998677884	Not Sig
ENSG00000260052	NA	NA	NA	2.111549107	1.14109865	1.554677117	0.733977903	0.462962206	0.998677884	Not Sig
ENSG00000224810	NA	NA	NA	0.972025875	1.145638185	2.445680118	0.468433372	0.639474708	0.998677884	Not Sig
ENSG00000237484	LINC01684	long intergenic non-protein coding RNA 1684	105372751	14.00726037	1.14734336	1.314029009	0.873149186	0.382581767	0.998677884	Not Sig
ENSG00000272849	NA	NA	NA	2.73468732	1.161832954	1.707713662	0.680344123	0.496286592	0.998677884	Not Sig
ENSG00000261435	NA	NA	NA	2.476358698	1.167443441	1.752249733	0.666254027	0.505248745	0.998677884	Not Sig
ENSG00000272381	NA	NA	NA	4.819928608	1.168008948	1.172279183	0.996357323	0.319076561	0.998677884	Not Sig
ENSG00000272659	NA	NA	NA	1.258859543	1.183135224	2.699870632	0.438219228	0.661227371	0.998677884	Not Sig
ENSG00000267898	NA	NA	NA	2.176178125	1.190148107	1.58540268	0.750691368	0.452838419	0.998677884	Not Sig
ENSG00000262585	LINC01979	long intergenic non-protein coding RNA 1979	101928766	4.626229004	1.192193786	1.223346892	0.974534528	0.329791204	0.998677884	Not Sig
ENSG00000230010	NA	NA	NA	1.111564228	1.201287898	2.36641053	0.507641376	0.611704868	0.998677884	Not Sig
ENSG00000259124	NA	NA	NA	6.804436111	1.202583626	1.1813029	1.018014622	0.308671007	0.998677884	Not Sig
ENSG00000270361	NA	NA	NA	2.800967523	1.205833946	1.382820165	0.872010675	0.383202554	0.998677884	Not Sig
ENSG00000247134	NA	NA	NA	35.14312792	1.206968442	0.895495219	1.347822318	0.177715538	0.998677884	Not Sig
ENSG00000225339	NA	NA	NA	17.55144119	1.214053336	0.835030143	1.453903606	0.145973033	0.998677884	Not Sig
ENSG00000254526	NA	NA	NA	1.626844104	1.215916458	2.178595688	0.558119372	0.576762873	0.998677884	Not Sig
ENSG00000271743	NA	NA	NA	1.155572561	1.219975617	2.108271223	0.578661609	0.562817525	0.998677884	Not Sig
ENSG00000269921	NA	NA	NA	11.10878892	1.221859859	1.007794625	1.212409581	0.225355635	0.998677884	Not Sig
ENSG00000236833	NA	NA	NA	11.42934901	1.224838215	1.205439974	1.01609225	0.309585459	0.998677884	Not Sig
ENSG00000225329	LHFPL3-AS2	LHFPL3 antisense RNA 2	723809	133.6996605	1.225501557	1.242562659	0.986269423	0.32400092	0.998677884	Not Sig
ENSG00000226530	NA	NA	NA	1.675423793	1.226503911	1.673723405	0.732799642	0.46368064	0.998677884	Not Sig
ENSG00000249534	LINC01258	long intergenic non-protein coding RNA 1258	101928776	1.570613026	1.22942289	1.88094752	0.653618921	0.513357351	0.998677884	Not Sig
ENSG00000267147	LINC01842	long intergenic non-protein coding RNA 1842	101928845	1.291935944	1.229825668	2.753045672	0.44671459	0.655081146	0.998677884	Not Sig
ENSG00000272079	LOC107984895	uncharacterized LOC107984895	107984895	35.5822448	1.23174456	0.792948502	1.553372707	0.120334119	0.998677884	Not Sig
ENSG00000224549	NA	NA	NA	6.692152836	1.233370739	1.43871061	0.85727507	0.391292883	0.998677884	Not Sig
ENSG00000233559	NA	NA	NA	23.46715639	1.238914902	1.302589632	0.951116815	0.34154508	0.998677884	Not Sig
ENSG00000260868	LINC01960	long intergenic non-protein coding RNA 1960	100128905	2.242458328	1.239639725	1.747471613	0.709390479	0.478082194	0.998677884	Not Sig
ENSG00000257398	NA	NA	NA	1.614621359	1.241029871	2.15206337	0.576669762	0.564162563	0.998677884	Not Sig
ENSG00000269978	NA	NA	NA	4.584385434	1.242474649	1.798029789	0.691020058	0.489552936	0.998677884	Not Sig
ENSG00000249125	NA	NA	NA	1.141593059	1.244549386	2.420957894	0.514073123	0.607200868	0.998677884	Not Sig
ENSG00000237476	LINC01637	long intergenic non-protein coding RNA 1637	101928891	24.73027124	1.246394958	1.169754512	1.065518401	0.286641403	0.998677884	Not Sig
ENSG00000258476	NA	NA	NA	4.364475202	1.252831738	1.231759747	1.017107225	0.309102424	0.998677884	Not Sig
ENSG00000255651	NA	NA	NA	4.877107131	1.254717191	1.523258343	0.823706101	0.410106572	0.998677884	Not Sig
ENSG00000271265	NA	NA	NA	4.888897789	1.257385559	1.213350933	1.036291748	0.300066055	0.998677884	Not Sig
ENSG00000258082	NA	NA	NA	10.22679525	1.257696684	1.065399485	1.180493047	0.237804174	0.998677884	Not Sig

ENSG00000236140	NA	NA	NA	1.083838196	1.268290465	2.803308788	0.452426244	0.650961944	0.998677884	Not Sig
ENSG00000261598	NA	NA	NA	1.083838196	1.268290465	2.803308788	0.452426244	0.650961944	0.998677884	Not Sig
ENSG00000262890	NA	NA	NA	2.602558527	1.269619845	1.914165448	0.663275918	0.507153857	0.998677884	Not Sig
ENSG00000215386	NA	NA	NA	142.1643111	1.272331347	0.898188849	1.416552152	0.156613906	0.998677884	Not Sig
ENSG00000258460	NA	NA	NA	1.086885766	1.273184484	2.740880391	0.464516616	0.642277658	0.998677884	Not Sig
ENSG00000226137	BAIAP2-AS1	BAIAP2 antisense RNA 1 (head to head)	440465	1859.214565	1.277228991	0.935882879	1.364731655	0.172337407	0.998677884	Not Sig
ENSG00000224790	NA	NA	NA	14.24394816	1.277961538	1.173699214	1.088832235	0.276227874	0.998677884	Not Sig
ENSG00000267666	NA	NA	NA	1.802506429	1.28124723	1.833679107	0.698730342	0.484720568	0.998677884	Not Sig
ENSG00000255227	NA	NA	NA	1.174669461	1.293948417	2.35719778	0.548935023	0.583050042	0.998677884	Not Sig
ENSG00000270141	NA	NA	NA	2305.375378	1.298073033	0.87020301	1.491689891	0.13578046	0.998677884	Not Sig
ENSG00000271086	NAMA	non-protein coding RNA, associated with MAP kinase pathway and growth arrest	100996569	4.416510466	1.301037186	1.316276887	0.988422116	0.322945961	0.998677884	Not Sig
ENSG00000273102	NA	NA	NA	1.223249149	1.30768085	2.350722105	0.556289	0.578013306	0.998677884	Not Sig
ENSG00000267581	NA	NA	NA	2.296155414	1.309051325	1.487722965	0.879902614	0.378912069	0.998677884	Not Sig
ENSG00000228221	NA	NA	NA	118.1611427	1.310562965	0.964490246	1.35881412	0.174205498	0.998677884	Not Sig
ENSG00000250081	NA	NA	NA	2.69152086	1.311269356	2.428757196	0.539893143	0.589270727	0.998677884	Not Sig
ENSG00000228139	LINC01402	long intergenic non-protein coding RNA 1402	104797536	1.116914598	1.316970575	2.367181258	0.556345472	0.577974707	0.998677884	Not Sig
ENSG00000253521	HPYR1	Helicobacter pylori responsive 1 (non-protein coding)	93668	1.116914598	1.316970575	2.367181258	0.556345472	0.577974707	0.998677884	Not Sig
ENSG00000233975	LINC02574	long intergenic non-protein coding RNA 2574	111216282	1.118438383	1.318785281	2.322609886	0.567803181	0.57016862	0.998677884	Not Sig
ENSG00000262681	NA	NA	NA	1.118438383	1.318785281	2.322609886	0.567803181	0.57016862	0.998677884	Not Sig
ENSG00000271874	NA	NA	NA	2.233596222	1.321005985	1.7988094	0.734377964	0.462718413	0.998677884	Not Sig
ENSG00000234394	LOC440896	uncharacterized LOC440896	440896	1.779351752	1.326784795	1.860213483	0.713243295	0.475695219	0.998677884	Not Sig
ENSG00000242474	NA	NA	NA	33.67959773	1.337070218	1.009692459	1.324235124	0.185424969	0.998677884	Not Sig
ENSG00000231107	LINC01508	long intergenic non-protein coding RNA 1508	101927873	9.9574613	1.346848842	1.316938863	1.022711745	0.306444157	0.998677884	Not Sig
ENSG00000248677	LINC02102	long intergenic non-protein coding RNA 2102	100505625	5.382609632	1.348817234	1.183748069	1.139446196	0.254517097	0.998677884	Not Sig
ENSG00000255571	MIR9-3HG	MIR9-3 host gene	254559	25.17536851	1.355334425	1.348867578	1.004794279	0.314995919	0.998677884	Not Sig
ENSG00000272525	NA	NA	NA	4.79702424	1.366794983	1.212871045	1.126908742	0.259781067	0.998677884	Not Sig
ENSG00000236751	LINC01186	long intergenic non-protein coding RNA 1186	101927574	7.952005391	1.368753782	1.142510886	1.198022529	0.230908246	0.998677884	Not Sig
ENSG00000259884	NA	NA	NA	1.148467214	1.368790421	2.722986297	0.502679878	0.615189359	0.998677884	Not Sig
ENSG00000262202	NA	NA	NA	188.7852573	1.373535715	1.259060694	1.090920971	0.275307658	0.998677884	Not Sig
ENSG00000269271	NA	NA	NA	1.799972437	1.383410167	1.706018249	0.810899982	0.417423111	0.998677884	Not Sig
ENSG00000270103	NA	NA	NA	80.58839704	1.386669868	0.903849471	1.534182308	0.124984809	0.998677884	Not Sig
ENSG00000225790	NA	NA	NA	1.240822264	1.387382016	2.406794945	0.576443796	0.564315249	0.998677884	Not Sig
ENSG00000230631	NA	NA	NA	0.620731621	1.388232926	3.18234312	0.436229807	0.662670004	0.998677884	Not Sig
ENSG00000238230	NA	NA	NA	0.659389585	1.388718293	3.131079732	0.443526966	0.657384619	0.998677884	Not Sig
ENSG00000225506	NA	NA	NA	10.64501955	1.393433292	1.488202759	0.936319519	0.349108701	0.998677884	Not Sig

ENSG00000272343	NA	NA	NA	5.632855163	1.396320673	1.229702429	1.135494767	0.256168073	0.998677884	Not Sig
ENSG00000272931	NA	NA	NA	5.208006928	1.396958883	1.167811594	1.196219399	0.231610953	0.998677884	Not Sig
ENSG00000189149	NA	NA	NA	40.82210264	1.401552075	0.678383417	2.066017593	0.038826818	0.998677884	Not Sig
ENSG00000237074	NA	NA	NA	6.385145839	1.401630524	1.570737063	0.892339372	0.372211057	0.998677884	Not Sig
ENSG00000255606	NA	NA	NA	4.139672019	1.419532075	1.247617448	1.137794343	0.255206368	0.998677884	Not Sig
ENSG00000271387	NA	NA	NA	3.404848884	1.422269431	1.573518647	0.903878345	0.366059913	0.998677884	Not Sig
ENSG00000257660	LOC100506125	uncharacterized LOC100506125	100506125	3.088396646	1.433458888	1.669190087	0.858775103	0.390464606	0.998677884	Not Sig
ENSG00000269399	NA	NA	NA	4.321556884	1.436691821	1.354432276	1.060733598	0.288810987	0.998677884	Not Sig
ENSG00000231010	NA	NA	NA	1.170611684	1.437803927	2.114374844	0.680013732	0.496495766	0.998677884	Not Sig
ENSG00000269927	NA	NA	NA	15.79045403	1.438091195	0.930505636	1.545494342	0.122226737	0.998677884	Not Sig
ENSG00000273107	NA	NA	NA	7.298909586	1.442672097	1.114786622	1.294123978	0.1956226	0.998677884	Not Sig
ENSG00000226856	LOC100506797	uncharacterized LOC100506797	100506797	2.433705816	1.455242654	1.50340019	0.967967587	0.333060558	0.998677884	Not Sig
ENSG00000258772	NA	NA	NA	0.638304735	1.463745273	3.170089359	0.461736282	0.644270449	0.998677884	Not Sig
ENSG00000273177	NA	NA	NA	0.638304735	1.463745273	3.170089359	0.461736282	0.644270449	0.998677884	Not Sig
ENSG00000237862	LOC100506271	uncharacterized LOC100506271	100506271	0.690942201	1.466814343	2.670569439	0.549251527	0.582832848	0.998677884	Not Sig
ENSG00000261938	NA	NA	NA	0.652284237	1.466887139	2.705176633	0.542251889	0.587644994	0.998677884	Not Sig
ENSG00000254639	NA	NA	NA	0.63982852	1.466911274	2.716990667	0.539902949	0.589263964	0.998677884	Not Sig
ENSG00000245651	NA	NA	NA	12.51063931	1.468549179	1.140029138	1.288168109	0.197687451	0.998677884	Not Sig
ENSG00000272233	NA	NA	NA	0.641352305	1.471489964	3.167245211	0.46459616	0.642220682	0.998677884	Not Sig
ENSG00000237372	UNQ6494	uncharacterized LOC100129066	100129066	5.178910317	1.480148844	1.539973214	0.96115233	0.336475581	0.998677884	Not Sig
ENSG00000237021	DSE	dermatan sulfate epimerase	29940	5.839605939	1.480510418	1.16536856	1.270422482	0.203934179	0.998677884	Not Sig
ENSG00000272709	NA	NA	NA	2.547041923	1.494958697	1.748044867	0.855217578	0.392430707	0.998677884	Not Sig
ENSG00000227712	NA	NA	NA	1.156632181	1.504363256	2.721035185	0.552864316	0.580356324	0.998677884	Not Sig
ENSG00000273257	NA	NA	NA	3.358578784	1.513695155	1.646023808	0.919607085	0.357778123	0.998677884	Not Sig
ENSG00000257488	NA	NA	NA	1.916902155	1.518141113	1.661337798	0.913806401	0.360818583	0.998677884	Not Sig
ENSG00000273442	NA	NA	NA	2.537633776	1.520112013	1.533055028	0.991557371	0.321413493	0.998677884	Not Sig
ENSG00000230310	NA	NA	NA	3.153666642	1.521093133	1.346867711	1.129356001	0.258747686	0.998677884	Not Sig
ENSG00000237879	LINC00398	long intergenic non-protein coding RNA 398	100874158	10.0395018	1.521819552	0.99923342	1.522987043	0.127761947	0.998677884	Not Sig
ENSG00000259380	NA	NA	NA	5.857241912	1.530493199	1.970355239	0.776760032	0.437300361	0.998677884	Not Sig
ENSG00000237531	NA	NA	NA	1.239939457	1.532989933	2.649936173	0.578500701	0.562926125	0.998677884	Not Sig
ENSG00000236081	ELFN1-AS1	ELFN1 antisense RNA 1	101927125	0.722494817	1.54318954	3.080653557	0.500929271	0.616420902	0.998677884	Not Sig
ENSG00000234261	NA	NA	NA	0.683836854	1.543668432	3.125146533	0.493950737	0.621340971	0.998677884	Not Sig
ENSG00000248991	NA	NA	NA	0.683836854	1.543668432	3.125146533	0.493950737	0.621340971	0.998677884	Not Sig
ENSG00000271868	NA	NA	NA	0.683836854	1.543668432	3.125146533	0.493950737	0.621340971	0.998677884	Not Sig
ENSG00000233368	NA	NA	NA	28.33942531	1.544008826	0.793976499	1.944653056	0.051816749	0.998677884	Not Sig

ENSG00000260677	NA	NA	NA	0.724018602	1.546875655	3.079559639	0.502304172	0.615453575	0.998677884	Not Sig
ENSG00000237346	NA	NA	NA	0.672904922	1.54753186	3.139004137	0.493000899	0.622011952	0.998677884	Not Sig
ENSG00000234917	NA	NA	NA	2.465899411	1.554225223	1.988805722	0.781486701	0.434516295	0.998677884	Not Sig
ENSG00000254761	NA	NA	NA	12.21431238	1.559214732	2.003512493	0.778240584	0.436427196	0.998677884	Not Sig
ENSG00000241135	LINC00881	long intergenic non-protein coding RNA 881	100498859	5.07403501	1.562934065	1.475190146	1.059479735	0.289381354	0.998677884	Not Sig
ENSG00000271040	NA	NA	NA	1.269968288	1.57013649	2.314909811	0.678271128	0.497599801	0.998677884	Not Sig
ENSG00000267461	NA	NA	NA	1.274539643	1.576050221	2.314457042	0.680958943	0.49589747	0.998677884	Not Sig
ENSG00000272209	NA	NA	NA	1.876720406	1.581176899	1.842883901	0.85799051	0.390897703	0.998677884	Not Sig
ENSG00000257474	NA	NA	NA	22.4039522	1.58335216	1.331123311	1.189485713	0.23424859	0.998677884	Not Sig
ENSG00000271709	NA	NA	NA	1.260560141	1.603660724	2.022287741	0.792993347	0.427781699	0.998677884	Not Sig
ENSG00000234692	NA	NA	NA	3.211317712	1.614139318	1.61646959	0.998558419	0.318008652	0.998677884	Not Sig
ENSG00000227711	NA	NA	NA	6.516542874	1.627107632	1.390320214	1.170311426	0.241875665	0.998677884	Not Sig
ENSG00000251350	LINC02475	long intergenic non-protein coding RNA 2475	100506827	7.232426164	1.62815805	1.846958156	0.881534888	0.37802838	0.998677884	Not Sig
ENSG00000229647	MYOSLID	myocardin-induced smooth muscle lncRNA, inducer of differentiation	105373853	3.644203515	1.646474869	1.508458962	1.091494638	0.27505529	0.998677884	Not Sig
ENSG00000272142	LYRM4-AS1	LYRM4 antisense RNA 1	100129461	22.2269355	1.649951164	0.775925217	2.126430651	0.033467418	0.998677884	Not Sig
ENSG00000273384	NA	NA	NA	1.243533068	1.658309999	2.73764571	0.6057431	0.544685359	0.998677884	Not Sig
ENSG00000234378	NA	NA	NA	9.578005606	1.670348105	1.566673769	1.066174808	0.286344628	0.998677884	Not Sig
ENSG00000273012	NA	NA	NA	1.60261468	1.673693383	2.562053214	0.653262537	0.51358704	0.998677884	Not Sig
ENSG00000271320	NA	NA	NA	2.847671534	1.675228575	1.54584795	1.08369557	0.278499801	0.998677884	Not Sig
ENSG00000272735	NA	NA	NA	12.52919869	1.677111854	1.096976748	1.528849046	0.12630187	0.998677884	Not Sig
ENSG00000267011	NA	NA	NA	4.77795099	1.679766652	1.288059294	1.304106619	0.192197232	0.998677884	Not Sig
ENSG00000272808	NA	NA	NA	5.104629641	1.6883307	1.550059024	1.089204136	0.276063875	0.998677884	Not Sig
ENSG00000241220	NA	NA	NA	7.426954195	1.695255326	1.412536881	1.200149426	0.230081313	0.998677884	Not Sig
ENSG00000226684	NA	NA	NA	1.27660947	1.699497328	2.659642271	0.638994705	0.522826376	0.998677884	Not Sig
ENSG00000266176	NA	NA	NA	2.636526215	1.702917569	1.696995242	1.00348989	0.315624552	0.998677884	Not Sig
ENSG00000254648	NA	NA	NA	3.327981995	1.703205245	1.480722674	1.150252694	0.250039809	0.998677884	Not Sig
ENSG00000236682	NA	NA	NA	38.65281455	1.714713685	0.857674457	1.999259359	0.045580299	0.998677884	Not Sig
ENSG00000260496	NA	NA	NA	1.999617866	1.728821274	2.083039167	0.8299514	0.406566262	0.998677884	Not Sig
ENSG00000259153	NA	NA	NA	59.52999653	1.73356515	0.972723231	1.782177186	0.074720342	0.998677884	Not Sig
ENSG00000250331	LINC01340	long intergenic non-protein coding RNA 1340	102546227	3.146496754	1.748674095	1.720429893	1.016416945	0.30943088	0.998677884	Not Sig
ENSG00000223695	NA	NA	NA	3.155766864	1.749044366	1.579553396	1.107303096	0.268162906	0.998677884	Not Sig
ENSG00000182586	LINC00334	long intergenic non-protein coding RNA 334	114042	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000204684	LOC284788	uncharacterized LOC284788	284788	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000224260	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000225044	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig

ENSG00000225174	OSTM1-AS1	OSTM1 antisense RNA 1	100287366	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000229424	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000229740	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000233359	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000234169	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000234826	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000236322	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000236856	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000237271	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000237664	LINC00316	long intergenic non-protein coding RNA 316	388830	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000240497	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000241180	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000248223	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000254021	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000255427	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000258803	LOC101927690	uncharacterized LOC101927690	101927690	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000258850	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000260450	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000261204	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000261671	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000264023	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000266213	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000270460	NA	NA	NA	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000273313	RBAKDN	RBAK downstream neighbor (non-protein coding)	389458	0.30610738	1.755201995	4.045972167	0.433814649	0.664423043	0.998677884	Not Sig
ENSG00000231482	NA	NA	NA	6.734005026	1.757360772	1.276828294	1.376348551	0.168713748	0.998677884	Not Sig
ENSG00000227029	NA	NA	NA	0.307631165	1.761386213	4.045387481	0.435406057	0.663267715	0.998677884	Not Sig
ENSG00000228622	NA	NA	NA	0.307631165	1.761386213	4.045387481	0.435406057	0.663267715	0.998677884	Not Sig
ENSG00000229925	NA	NA	NA	0.307631165	1.761386213	4.045387481	0.435406057	0.663267715	0.998677884	Not Sig
ENSG00000233208	LINC00642	long intergenic non-protein coding RNA 642	400238	0.307631165	1.761386213	4.045387481	0.435406057	0.663267715	0.998677884	Not Sig
ENSG00000253572	NA	NA	NA	0.307631165	1.761386213	4.045387481	0.435406057	0.663267715	0.998677884	Not Sig
ENSG00000257614	NA	NA	NA	0.307631165	1.761386213	4.045387481	0.435406057	0.663267715	0.998677884	Not Sig
ENSG00000212930	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000224247	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000225877	PSG8-AS1	PSG8 antisense RNA 1	100289650	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000225960	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig

ENSG00000227301	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000227981	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000236461	LOC101928748	uncharacterized LOC101928748	101928748	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000249647	C5orf66-AS2	C5orf66 antisense RNA 2	340073	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000251434	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000254186	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000258586	LINC02274	long intergenic non-protein coding RNA 2274	100506498	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000264695	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000265843	LINC01029	long intergenic non-protein coding RNA 1029	101927715	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000267012	NA	NA	NA	0.309154951	1.767550881	4.044807045	0.436992633	0.662116691	0.998677884	Not Sig
ENSG00000262223	NA	NA	NA	16.89392208	1.784213491	0.999433033	1.785225655	0.074224722	0.998677884	Not Sig
ENSG00000122043	NA	NA	NA	1.345809843	1.78669932	2.645484988	0.675376851	0.499436369	0.998677884	Not Sig
ENSG00000267785	NA	NA	NA	4.323507791	1.789645658	1.240495758	1.442685835	0.149108991	0.998677884	Not Sig
ENSG00000233907	LINC01761	long intergenic non-protein coding RNA 1761	440594	0.772261526	1.796178927	3.016020475	0.595545999	0.551478561	0.998677884	Not Sig
ENSG00000268352	NA	NA	NA	0.772261526	1.796178927	3.016020475	0.595545999	0.551478561	0.998677884	Not Sig
ENSG00000237658	NA	NA	NA	0.810919489	1.796532669	2.978601174	0.603146432	0.54641128	0.998677884	Not Sig
ENSG00000245522	LOC440028	uncharacterized LOC440028	440028	5.648969174	1.800574403	1.301946039	1.382986967	0.166668862	0.998677884	Not Sig
ENSG00000273366	NA	NA	NA	8.77546214	1.808323886	1.183707192	1.52767838	0.12659241	0.998677884	Not Sig
ENSG00000251206	NA	NA	NA	4.643836502	1.822241532	1.514947168	1.202841637	0.229037609	0.998677884	Not Sig
ENSG00000269930	NA	NA	NA	3.663477228	1.827032554	1.406824152	1.298692912	0.194049338	0.998677884	Not Sig
ENSG00000273492	NA	NA	NA	5.949548897	1.844828146	1.45882115	1.264602002	0.206014035	0.998677884	Not Sig
ENSG00000259269	NA	NA	NA	2.196679889	1.851742675	1.802714242	1.027197007	0.304327707	0.998677884	Not Sig
ENSG00000203635	NA	NA	NA	38.06827736	1.85243499	0.847875901	2.184794955	0.028903884	0.998677884	Not Sig
ENSG00000230923	LINC00309	long intergenic non-protein coding RNA 309	150992	3.790527401	1.854954904	1.700860407	1.090597968	0.275449824	0.998677884	Not Sig
ENSG00000228430	NA	NA	NA	1.580006045	1.85777689	2.266190452	0.819776157	0.412343725	0.998677884	Not Sig
ENSG00000258520	NA	NA	NA	0.803814142	1.857855075	2.99617124	0.6200764	0.535207489	0.998677884	Not Sig
ENSG00000238837	NA	NA	NA	0.805337927	1.861687647	2.54515763	0.731462612	0.464496634	0.998677884	Not Sig
ENSG00000235142	LINC02532	long intergenic non-protein coding RNA 2532	100422737	31.92407061	1.871387751	1.453177835	1.287789908	0.197819106	0.998677884	Not Sig
ENSG00000258798	NA	NA	NA	3.723258818	1.877699152	1.700255527	1.104362916	0.269435741	0.998677884	Not Sig
ENSG00000225532	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000230601	TEX48	testis expressed 48	100505478	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000238062	SPATA3-AS1	SPATA3 antisense RNA 1 (head to head)	348761	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000248432	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000251443	LINC02160	long intergenic non-protein coding RNA 2160	105374716	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000253879	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig

ENSG00000253960	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000257345	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000258018	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000271914	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000272243	NA	NA	NA	0.339183782	1.882115991	4.034444714	0.466511781	0.640849217	0.998677884	Not Sig
ENSG00000203402	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000225298	LINC00113	long intergenic non-protein coding RNA 113	54088	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000230676	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000232638	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000242290	ZBTB20-AS5	ZBTB20 antisense RNA 5	101929754	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000248408	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000253140	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000253449	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000255269	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000260999	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000271849	NA	NA	NA	0.340707567	1.887910949	4.033941399	0.468006538	0.639779914	0.998677884	Not Sig
ENSG00000272797	NA	NA	NA	2.17646721	1.890080886	1.761237884	1.073154798	0.283201668	0.998677884	Not Sig
ENSG00000245059	NA	NA	NA	1.481290419	1.898259147	2.24731501	0.844678711	0.398290249	0.998677884	Not Sig
ENSG00000189196	LINC00994	long intergenic non-protein coding RNA 994	100287879	2.421595344	1.919358552	1.699372338	1.12945145	0.258707439	0.998677884	Not Sig
ENSG00000225637	NA	NA	NA	0.877072293	1.919655176	2.509040862	0.765095222	0.444214845	0.998677884	Not Sig
ENSG00000253111	NA	NA	NA	0.877072293	1.919655176	2.509040862	0.765095222	0.444214845	0.998677884	Not Sig
ENSG00000267627	NA	NA	NA	0.825958612	1.91998547	2.541460616	0.755465364	0.449969807	0.998677884	Not Sig
ENSG00000258717	NA	NA	NA	0.824434827	1.920188454	2.943423234	0.652365733	0.514165265	0.998677884	Not Sig
ENSG00000246379	LOC283856	uncharacterized LOC283856	283856	6.05444154	1.924104043	1.158158915	1.661347175	0.09664374	0.998677884	Not Sig
ENSG00000270302	NA	NA	NA	1.50827168	1.926386176	2.245843762	0.857756095	0.391027158	0.998677884	Not Sig
ENSG00000272861	NA	NA	NA	1.464263347	1.927075022	2.188072664	0.880718019	0.378470461	0.998677884	Not Sig
ENSG00000223749	MIR503HG	MIR503 host gene	84848	56.52420977	1.939322421	0.754090869	2.571735715	0.01011901	0.853009137	Not Sig
ENSG00000256155	NA	NA	NA	2.268077489	1.952859436	1.766768456	1.105328448	0.269017295	0.998677884	Not Sig
ENSG00000270761	NA	NA	NA	9.649927428	1.953915993	1.309436377	1.492180931	0.13565172	0.998677884	Not Sig
ENSG00000263627	PPP4R1-AS1	PPP4R1 antisense RNA 1	101927323	18.52495717	1.960370889	0.954951042	2.052849625	0.040087164	0.998677884	Not Sig
ENSG00000234147	NA	NA	NA	7.783141066	1.973868619	1.477787591	1.3356917	0.181650064	0.998677884	Not Sig
ENSG00000226423	NA	NA	NA	0.859035013	1.98367368	2.968373737	0.668269516	0.503961569	0.998677884	Not Sig
ENSG00000223643	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000224294	PINCR	p53-induced noncoding RNA	101927501	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000224330	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig

ENSG00000224535	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000229613	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000231557	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000234019	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000235011	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000235139	LOC101927378	uncharacterized LOC101927378	101927378	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000236049	LINC01920	long intergenic non-protein coding RNA 1920	101929260	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000241336	LINC01487	long intergenic non-protein coding RNA 1487	101928190	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000249842	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000250313	LINC02229	long intergenic non-protein coding RNA 2229	101928769	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000250447	LINC02105	long intergenic non-protein coding RNA 2105	105378966	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000250544	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000254120	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000254822	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000255970	LINC02421	long intergenic non-protein coding RNA 2421	101927901	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000256732	LOC100996671	uncharacterized LOC100996671	100996671	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000257849	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000259044	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000259061	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000259730	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000261070	LOC338694	uncharacterized LOC338694	338694	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000261325	LINC02192	long intergenic non-protein coding RNA 2192	100507534	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000267705	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000271395	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000273059	NA	NA	NA	0.372260183	2.001289707	4.024477702	0.497279363	0.618992063	0.998677884	Not Sig
ENSG00000223715	LINC01208	long intergenic non-protein coding RNA 1208	100505547	2.979303609	2.001536412	2.330408865	0.858877788	0.390407945	0.998677884	Not Sig
ENSG00000233081	NA	NA	NA	1.601267708	2.033079098	1.894730646	1.073017477	0.283263275	0.998677884	Not Sig
ENSG00000229382	NA	NA	NA	1.646799827	2.0381894	2.141887956	0.951585443	0.341307267	0.998677884	Not Sig
ENSG00000237438	CECR7	cat eye syndrome chromosome region, candidate 7 (non-protein coding)	100130418	52.78632565	2.038716363	1.029087388	1.981091583	0.047581004	0.998677884	Not Sig
ENSG00000237797	NA	NA	NA	2.392626133	2.046598034	1.637469704	1.249853985	0.211352891	0.998677884	Not Sig
ENSG00000250635	NA	NA	NA	1.678352443	2.067399788	2.141306831	0.965485076	0.334301908	0.998677884	Not Sig
ENSG00000254615	NA	NA	NA	42.12102055	2.077406402	1.19349988	1.740600428	0.081753642	0.998677884	Not Sig
ENSG00000270641	TSIX	TSIX transcript, XIST antisense RNA	9383	1.962546546	2.094714798	2.088899386	1.00278396	0.31596511	0.998677884	Not Sig
ENSG00000230107	NA	NA	NA	6.665143152	2.106994041	1.29512693	1.626862967	0.103766205	0.998677884	Not Sig
ENSG00000267446	NA	NA	NA	3.395153484	2.113778144	2.284942581	0.925090268	0.354918955	0.998677884	Not Sig

ENSG00000244953	NA	NA	NA	3.396444296	2.11452195	1.967441236	1.074757361	0.282483375	0.998677884	Not Sig
ENSG00000226717	PTRD-AS2	PTRD antisense RNA 2 (head to head)	101929428	0.912859499	2.115919832	2.911681688	0.726700257	0.467409596	0.998677884	Not Sig
ENSG00000267498	LOC105372352	uncharacterized LOC105372352	105372352	0.925315216	2.11600609	2.901837739	0.729195179	0.46588228	0.998677884	Not Sig
ENSG00000273056	NA	NA	NA	0.926839001	2.119086156	2.83910955	0.74639112	0.455431182	0.998677884	Not Sig
ENSG00000228308	LINC01209	long intergenic non-protein coding RNA 1209	101928684	3.449605977	2.121145692	1.720769275	1.232672923	0.217697818	0.998677884	Not Sig
ENSG00000250192	NA	NA	NA	0.928362786	2.121597431	2.838434014	0.747453497	0.454789863	0.998677884	Not Sig
ENSG00000180279	LINC01869	long intergenic non-protein coding RNA 1869	284365	0.917430855	2.123512738	2.909291774	0.729907105	0.465446969	0.998677884	Not Sig
ENSG00000224184	MIR3681HG	MIR3681 host gene	100506457	2.586640586	2.155759688	1.748676289	1.232795173	0.217652193	0.998677884	Not Sig
ENSG00000236130	NA	NA	NA	0.944412115	2.166477722	2.897025564	0.747828307	0.454563726	0.998677884	Not Sig
ENSG00000231019	LOC105370306	uncharacterized LOC105370306	105370306	0.950507256	2.176300097	2.894361231	0.751910326	0.452104988	0.998677884	Not Sig
ENSG00000258809	NA	NA	NA	1.793758376	2.197813678	2.488358327	0.88323842	0.377107467	0.998677884	Not Sig
ENSG00000267659	LINC01482	long intergenic non-protein coding RNA 1482	101928104	11.17045182	2.199849764	1.249480841	1.760611041	0.078304259	0.998677884	Not Sig
ENSG00000249911	NA	NA	NA	1.964721946	2.202260608	2.218484969	0.992686738	0.32086264	0.998677884	Not Sig
ENSG00000272226	NA	NA	NA	0.989944234	2.217824534	2.812628992	0.78852367	0.430390459	0.998677884	Not Sig
ENSG00000249430	NA	NA	NA	70.05113186	2.220579139	1.200666598	1.849455246	0.064392104	0.998677884	Not Sig
ENSG00000261227	NA	NA	NA	2.98073039	2.233200986	1.616859395	1.381196777	0.167218465	0.998677884	Not Sig
ENSG00000249867	NA	NA	NA	5.404583011	2.243853053	1.639800093	1.368369878	0.171196328	0.998677884	Not Sig
ENSG00000258736	NA	NA	NA	1.024544421	2.265875209	2.436493478	0.929973845	0.352384626	0.998677884	Not Sig
ENSG00000268536	NA	NA	NA	1.024544421	2.265875209	2.436493478	0.929973845	0.352384626	0.998677884	Not Sig
ENSG00000205786	LINC01531	long intergenic non-protein coding RNA 1531	100128682	1.023020635	2.267505078	2.80025491	0.809749523	0.418084149	0.998677884	Not Sig
ENSG00000262152	NA	NA	NA	7.95793783	2.268440653	1.806323562	1.255832953	0.209176541	0.998677884	Not Sig
ENSG00000249797	NA	NA	NA	1.850503032	2.271441456	1.875698044	1.210984605	0.225901305	0.998677884	Not Sig
ENSG00000233393	LOC105369306	uncharacterized LOC105369306	105369306	1.842746071	2.29883954	2.144413923	1.072012971	0.283714206	0.998677884	Not Sig
ENSG00000227517	LINC01483	long intergenic non-protein coding RNA 1483	101928122	1.04364132	2.316679065	2.857246543	0.810808248	0.417475797	0.998677884	Not Sig
ENSG00000257156	NA	NA	NA	1.04364132	2.316679065	2.857246543	0.810808248	0.417475797	0.998677884	Not Sig
ENSG00000273264	NA	NA	NA	1.04364132	2.316679065	2.857246543	0.810808248	0.417475797	0.998677884	Not Sig
ENSG00000243885	NA	NA	NA	1.057620822	2.318836882	2.848886021	0.813945123	0.415676389	0.998677884	Not Sig
ENSG00000249697	NA	NA	NA	1.045165105	2.318932739	2.856707926	0.811750028	0.416935082	0.998677884	Not Sig
ENSG00000177757	FAM87B	family with sequence similarity 87 member B	400728	2.868814276	2.333880057	1.589574581	1.468241934	0.142038517	0.998677884	Not Sig
ENSG00000229960	NA	NA	NA	0.460684856	2.340388725	4.00012405	0.585079037	0.558494574	0.998677884	Not Sig
ENSG00000257585	LINC00609	long intergenic non-protein coding RNA 609	101101773	0.460684856	2.340388725	4.00012405	0.585079037	0.558494574	0.998677884	Not Sig
ENSG00000263321	NA	NA	NA	0.460684856	2.340388725	4.00012405	0.585079037	0.558494574	0.998677884	Not Sig
ENSG00000225353	NA	NA	NA	0.462208641	2.344698008	3.999849029	0.586196627	0.557743388	0.998677884	Not Sig
ENSG00000258813	NA	NA	NA	3.891834912	2.355512277	1.454832431	1.619095249	0.105426771	0.998677884	Not Sig
ENSG00000223382	NA	NA	NA	1.93740392	2.360691716	1.823193447	1.294811431	0.195385288	0.998677884	Not Sig

ENSG00000249856	NA	NA	NA	1.984459823	2.361102377	1.978733601	1.193239138	0.232775731	0.998677884	Not Sig
ENSG00000246331	LOC645485	uncharacterized LOC645485	645485	3.914106781	2.375833525	1.550436669	1.532364101	0.125432611	0.998677884	Not Sig
ENSG00000251391	NA	NA	NA	1.070484545	2.384385204	2.754298997	0.865695847	0.386656978	0.998677884	Not Sig
ENSG00000248202	NA	NA	NA	2.951016408	2.401235469	1.573105286	1.526430234	0.126902753	0.998677884	Not Sig
ENSG00000214797	NA	NA	NA	6.972236755	2.407729162	1.284489377	1.874464052	0.060866492	0.998677884	Not Sig
ENSG00000246777	LOC106699570	uncharacterized LOC106699570	106699570	3.155183779	2.411110742	1.450245706	1.662553271	0.096401892	0.998677884	Not Sig
ENSG00000240567	LINC02067	long intergenic non-protein coding RNA 2067	101243545	1.109921522	2.420294187	2.808617193	0.861738721	0.388831313	0.998677884	Not Sig
ENSG00000230379	NA	NA	NA	0.492237472	2.425978902	3.994809052	0.607282819	0.543663238	0.998677884	Not Sig
ENSG00000253972	NA	NA	NA	0.492237472	2.425978902	3.994809052	0.607282819	0.543663238	0.998677884	Not Sig
ENSG00000258487	NA	NA	NA	0.492237472	2.425978902	3.994809052	0.607282819	0.543663238	0.998677884	Not Sig
ENSG00000258700	LINC00871	long intergenic non-protein coding RNA 871	100506412	0.492237472	2.425978902	3.994809052	0.607282819	0.543663238	0.998677884	Not Sig
ENSG00000269945	NA	NA	NA	0.492237472	2.425978902	3.994809052	0.607282819	0.543663238	0.998677884	Not Sig
ENSG00000234610	NA	NA	NA	1.112969093	2.426776721	2.3270339	1.042862642	0.297011914	0.998677884	Not Sig
ENSG00000258831	NA	NA	NA	1.112969093	2.426776721	2.3270339	1.042862642	0.297011914	0.998677884	Not Sig
ENSG00000227260	NA	NA	NA	0.493761257	2.429584352	3.331851559	0.729199458	0.465879663	0.998677884	Not Sig
ENSG00000228397	LINC01635	long intergenic non-protein coding RNA 1635	101928043	1.116016663	2.430332483	2.387288575	1.018030459	0.308663481	0.998677884	Not Sig
ENSG00000223438	NA	NA	NA	0.495285042	2.434182069	3.994315634	0.609411547	0.542251686	0.998677884	Not Sig
ENSG00000249094	NA	NA	NA	0.495285042	2.434182069	3.994315634	0.609411547	0.542251686	0.998677884	Not Sig
ENSG00000250122	NA	NA	NA	0.495285042	2.434182069	3.994315634	0.609411547	0.542251686	0.998677884	Not Sig
ENSG00000254298	NA	NA	NA	0.495285042	2.434182069	3.994315634	0.609411547	0.542251686	0.998677884	Not Sig
ENSG00000258711	NA	NA	NA	1.991101006	2.45191842	2.012587324	1.218291694	0.223113145	0.998677884	Not Sig
ENSG00000224478	NA	NA	NA	1.130542207	2.46407704	2.735350901	0.900826669	0.367680486	0.998677884	Not Sig
ENSG00000256232	LINC02387	long intergenic non-protein coding RNA 2387	101929027	1.133589777	2.46740828	2.282380306	1.081067986	0.279666873	0.998677884	Not Sig
ENSG00000231533	NA	NA	NA	1.135113563	2.469418093	2.326773303	1.061305839	0.288550933	0.998677884	Not Sig
ENSG00000272021	NA	NA	NA	1.136637348	2.47214595	2.733573901	0.904364045	0.365802397	0.998677884	Not Sig
ENSG00000253807	NA	NA	NA	2.068047705	2.489709537	2.192874843	1.135363263	0.256223146	0.998677884	Not Sig
ENSG00000258551	CRAT37	cervical cancer-associated transcript 37	101926928	6.994534432	2.504944577	1.687131376	1.484735933	0.137613789	0.998677884	Not Sig
ENSG00000246375	LOC105369192	uncharacterized LOC105369192	105369192	1.179121896	2.50741156	2.317448197	1.081970921	0.279265449	0.998677884	Not Sig
ENSG00000226897	NA	NA	NA	0.525313874	2.511578996	3.989792781	0.629501113	0.52902104	0.998677884	Not Sig
ENSG00000234956	LINC02539	long intergenic non-protein coding RNA 2539	100507406	0.525313874	2.511578996	3.989792781	0.629501113	0.52902104	0.998677884	Not Sig
ENSG00000248701	NA	NA	NA	0.525313874	2.511578996	3.989792781	0.629501113	0.52902104	0.998677884	Not Sig
ENSG00000251399	NA	NA	NA	0.525313874	2.511578996	3.989792781	0.629501113	0.52902104	0.998677884	Not Sig
ENSG00000240893	LINC02042	long intergenic non-protein coding RNA 2042	101929694	0.526837659	2.515487436	3.989570616	0.630515832	0.528357148	0.998677884	Not Sig
ENSG00000267501	NA	NA	NA	0.526837659	2.515487436	3.989570616	0.630515832	0.528357148	0.998677884	Not Sig
ENSG00000272542	NA	NA	NA	0.526837659	2.515487436	3.989570616	0.630515832	0.528357148	0.998677884	Not Sig

ENSG00000232461	NA	NA	NA	3.198727947	2.542121878	1.713554061	1.4835376	0.137931634	0.998677884	Not Sig
ENSG00000260455	NBAT1	neuroblastoma associated transcript 1	729177	2.31676945	2.556277707	1.739781006	1.469310044	0.141748714	0.998677884	Not Sig
ENSG00000258954	NA	NA	NA	2.11564965	2.556576246	1.972558724	1.296071044	0.19495101	0.998677884	Not Sig
ENSG00000258861	MIR381HG	MIR381 host gene	378881	5.053854558	2.57076216	1.88391619	1.364584143	0.172383791	0.998677884	Not Sig
ENSG00000236846	NA	NA	NA	4.313756231	2.59271296	1.640682792	1.580264615	0.11404628	0.998677884	Not Sig
ENSG00000272796	NA	NA	NA	10.1456195	2.596344185	1.023755399	2.53609816	0.011209531	0.853009137	Not Sig
ENSG00000258088	NA	NA	NA	20.15835709	2.607446297	1.219785863	2.137626263	0.032547088	0.998677884	Not Sig
ENSG00000231437	LINC01750	long intergenic non-protein coding RNA 1750	643355	12.66383479	2.624617669	1.151037376	2.280219326	0.022594684	0.998677884	Not Sig
ENSG00000253339	NA	NA	NA	5.124451317	2.637222416	1.47063296	1.793256705	0.072931887	0.998677884	Not Sig
ENSG00000235319	NA	NA	NA	1.258138422	2.646734376	2.346087609	1.128148142	0.259257361	0.998677884	Not Sig
ENSG00000259508	NA	NA	NA	1.302146755	2.681091556	2.268890072	1.181675388	0.237334528	0.998677884	Not Sig
ENSG00000272829	NA	NA	NA	7.269313696	2.695700192	1.303018979	2.06881115	0.038563812	0.998677884	Not Sig
ENSG00000272524	NA	NA	NA	3.494030795	2.697264589	1.646822383	1.637860049	0.101450892	0.998677884	Not Sig
ENSG00000260710	NA	NA	NA	3.438555125	2.706371563	1.956309431	1.383406694	0.166540199	0.998677884	Not Sig
ENSG00000249574	LOC442497	uncharacterized LOC442497	442497	64.79334435	2.728650976	1.284541131	2.124222346	0.033651556	0.998677884	Not Sig
ENSG00000254991	NA	NA	NA	0.613738546	2.752871857	3.813009189	0.721968325	0.470313952	0.998677884	Not Sig
ENSG00000258403	NA	NA	NA	0.613738546	2.752871857	3.813009189	0.721968325	0.470313952	0.998677884	Not Sig
ENSG00000260785	CASC17	cancer susceptibility 17 (non-protein coding)	101928165	0.613738546	2.752871857	3.813009189	0.721968325	0.470313952	0.998677884	Not Sig
ENSG00000226715	NA	NA	NA	0.615262331	2.756356877	3.767273724	0.731658244	0.464377189	0.998677884	Not Sig
ENSG00000267778	NA	NA	NA	0.615262331	2.756356877	3.767273724	0.731658244	0.464377189	0.998677884	Not Sig
ENSG00000272912	NA	NA	NA	0.615262331	2.756356877	3.767273724	0.731658244	0.464377189	0.998677884	Not Sig
ENSG00000226985	LINC01203	long intergenic non-protein coding RNA 1203	100133123	0.616786116	2.75946205	3.808134732	0.724623009	0.468683339	0.998677884	Not Sig
ENSG00000224243	SOX1-OT	SOX1 overlapping transcript	100505996	1.430753176	2.799125518	2.610433185	1.072283916	0.283592529	0.998677884	Not Sig
ENSG00000228142	NA	NA	NA	0.646814947	2.822561134	3.054625673	0.924028485	0.355471485	0.998677884	Not Sig
ENSG00000242317	NA	NA	NA	0.646814947	2.822561134	3.054625673	0.924028485	0.355471485	0.998677884	Not Sig
ENSG00000224717	NA	NA	NA	3.782299626	2.824375444	1.55070315	1.821351458	0.068553449	0.998677884	Not Sig
ENSG00000256790	NA	NA	NA	0.649862518	2.828194893	3.757639505	0.752652001	0.45165906	0.998677884	Not Sig
ENSG00000262412	NA	NA	NA	4.034196342	2.832194077	1.74653387	1.621608447	0.104887213	0.998677884	Not Sig
ENSG00000254271	NA	NA	NA	2.620342839	2.855949872	1.689965701	1.689945465	0.091038388	0.998677884	Not Sig
ENSG00000259618	NA	NA	NA	0.678367564	2.884825782	3.674234117	0.785150235	0.432365489	0.998677884	Not Sig
ENSG00000267593	LINC01926	long intergenic non-protein coding RNA 1926	105372147	0.679891349	2.885321144	3.024508237	0.953980257	0.340093636	0.998677884	Not Sig
ENSG00000232139	LINC00867	long intergenic non-protein coding RNA 867	100506126	0.681415134	2.89086472	3.670144863	0.787670468	0.430889484	0.998677884	Not Sig
ENSG00000255931	NA	NA	NA	0.681415134	2.89086472	3.670144863	0.787670468	0.430889484	0.998677884	Not Sig
ENSG00000258100	NA	NA	NA	0.681415134	2.89086472	3.670144863	0.787670468	0.430889484	0.998677884	Not Sig
ENSG00000226335	NA	NA	NA	1.485229276	2.89183826	2.139294117	1.351772174	0.176448208	0.998677884	Not Sig

ENSG00000248474	NA	NA	NA	8.865116096	2.912509279	2.171835153	1.341036071	0.179908742	0.998677884	Not Sig
ENSG00000242104	NA	NA	NA	11.31042921	2.925668435	1.217226169	2.403553678	0.016236583	0.978832402	Not Sig
ENSG00000223979	SMCR2	Smith-Magenis syndrome chromosome region, candidate 2 (non-protein coding)	105371564	0.711443965	2.948432123	3.674817069	0.802334393	0.422359553	0.998677884	Not Sig
ENSG00000234015	NA	NA	NA	0.711443965	2.948432123	3.674817069	0.802334393	0.422359553	0.998677884	Not Sig
ENSG00000258216	NA	NA	NA	0.711443965	2.948432123	3.674817069	0.802334393	0.422359553	0.998677884	Not Sig
ENSG00000260611	NA	NA	NA	0.711443965	2.948432123	3.674817069	0.802334393	0.422359553	0.998677884	Not Sig
ENSG00000230402	NA	NA	NA	0.71296775	2.951338045	3.672935353	0.803536616	0.421664642	0.998677884	Not Sig
ENSG00000258784	NA	NA	NA	0.71296775	2.951338045	3.672935353	0.803536616	0.421664642	0.998677884	Not Sig
ENSG00000258826	LOC101928791	uncharacterized LOC101928791	101928791	0.71296775	2.951338045	3.672935353	0.803536616	0.421664642	0.998677884	Not Sig
ENSG00000253361	NA	NA	NA	1.526598045	2.961405349	2.589622774	1.143566306	0.252803542	0.998677884	Not Sig
ENSG00000260943	NA	NA	NA	16.96922899	2.977426462	1.76525494	1.686683546	0.091664218	0.998677884	Not Sig
ENSG00000224037	NA	NA	NA	1.592750848	3.023592231	2.12869189	1.420399187	0.155491499	0.998677884	Not Sig
ENSG00000259334	NA	NA	NA	1.592750848	3.023592231	2.12869189	1.420399187	0.155491499	0.998677884	Not Sig
ENSG00000224592	NA	NA	NA	2.929625189	3.024767436	2.279193257	1.327121966	0.18446834	0.998677884	Not Sig
ENSG00000224652	LINC00885	long intergenic non-protein coding RNA 885	401109	39.53069539	3.041359793	1.042526273	2.917297984	0.003530783	0.555274445	Not Sig
ENSG00000227066	NA	NA	NA	121.5983269	3.069928483	1.26950899	2.418201453	0.015597439	0.978832402	Not Sig
ENSG00000260550	NA	NA	NA	0.766792236	3.073541938	3.58131963	0.858214919	0.390773799	0.998677884	Not Sig
ENSG00000260100	NA	NA	NA	0.768316021	3.076463001	3.519030412	0.87423598	0.381989756	0.998677884	Not Sig
ENSG00000258955	NA	NA	NA	1.658903651	3.078652724	2.09841911	1.467129569	0.142340812	0.998677884	Not Sig
ENSG00000227150	NA	NA	NA	0.769839806	3.07910791	3.51738077	0.875397948	0.381357416	0.998677884	Not Sig
ENSG00000268184	NA	NA	NA	0.769839806	3.07910791	3.51738077	0.875397948	0.381357416	0.998677884	Not Sig
ENSG00000227071	FOCAD-AS1	FOCAD antisense RNA 1	101929548	0.771363592	3.081499392	3.576367915	0.861628184	0.388892156	0.998677884	Not Sig
ENSG00000235881	NA	NA	NA	0.801392423	3.133331626	2.837562221	1.104233628	0.269491806	0.998677884	Not Sig
ENSG00000264954	PRR29-AS1	PRR29 antisense RNA 1	400612	12.61445609	3.142386065	1.129855716	2.781227744	0.005415373	0.687720487	Not Sig
ENSG00000223914	NA	NA	NA	19.19428149	3.155208545	1.735464448	1.818077316	0.069052316	0.998677884	Not Sig
ENSG00000257924	NA	NA	NA	12.50615949	3.177785984	1.33820046	2.374671119	0.017564593	0.998677884	Not Sig
ENSG00000229191	NA	NA	NA	1.836089761	3.199645601	2.134804288	1.498800438	0.133925411	0.998677884	Not Sig
ENSG00000226113	NA	NA	NA	0.867545226	3.23767091	3.422459127	0.946007181	0.344144924	0.998677884	Not Sig
ENSG00000233430	NA	NA	NA	1.881157715	3.275355516	2.478835017	1.321328565	0.186391833	0.998677884	Not Sig
ENSG00000256249	NA	NA	NA	0.899097842	3.285977598	3.456275816	0.950727828	0.341742558	0.998677884	Not Sig
ENSG00000257725	LINC02399	long intergenic non-protein coding RNA 2399	105369891	0.899097842	3.285977598	3.456275816	0.950727828	0.341742558	0.998677884	Not Sig
ENSG00000258882	NA	NA	NA	5.686709118	3.287358063	1.564489692	2.101233443	0.035620479	0.998677884	Not Sig
ENSG00000236393	LOC101927476	uncharacterized LOC101927476	101927476	32.13896802	3.288780264	1.438109095	2.286878148	0.022202936	0.998677884	Not Sig
ENSG00000267243	NA	NA	NA	3.439435775	3.304843745	1.716736286	1.925073625	0.054220148	0.998677884	Not Sig
ENSG00000259359	NA	NA	NA	1.941215377	3.321395113	2.531567894	1.311991324	0.189523062	0.998677884	Not Sig

ENSG00000231023	NA	NA	NA	0.919845926	3.335619538	3.417173979	0.976133951	0.328998089	0.998677884	Not Sig
ENSG00000250048	NA	NA	NA	0.925941067	3.344507842	3.41242254	0.980097805	0.327037842	0.998677884	Not Sig
ENSG00000237222	LINC01968	long intergenic non-protein coding RNA 1968	100507391	1.966534816	3.349077306	1.997479929	1.676651293	0.09361069	0.998677884	Not Sig
ENSG00000234996	LOC148709	actin pseudogene	148709	1.998087433	3.370733123	2.02837103	1.66179317	0.096554252	0.998677884	Not Sig
ENSG00000229618	NA	NA	NA	2.116877702	3.417629031	2.118166949	1.61348426	0.10663934	0.998677884	Not Sig
ENSG00000258308	NA	NA	NA	0.990570085	3.434516818	3.295447604	1.042200402	0.297318777	0.998677884	Not Sig
ENSG00000260088	LOC101929224	uncharacterized LOC101929224	101929224	2.140673356	3.447871664	1.959482316	1.759582945	0.078478545	0.998677884	Not Sig
ENSG00000256969	NA	NA	NA	29.12244245	3.450560479	1.211830207	2.847395996	0.004407849	0.611653931	Not Sig
ENSG00000249378	LINC01060	long intergenic non-protein coding RNA 1060	401164	9.672476267	3.479565822	1.448940308	2.401455603	0.016329991	0.978832402	Not Sig
ENSG00000273473	NA	NA	NA	2.198197027	3.50844262	1.98748686	1.76526582	0.077519101	0.998677884	Not Sig
ENSG00000232448	NA	NA	NA	1.050627747	3.513431444	3.256810076	1.078795313	0.280678985	0.998677884	Not Sig
ENSG00000244342	LINC00698	long intergenic non-protein coding RNA 698	285401	1.050627747	3.513431444	3.256810076	1.078795313	0.280678985	0.998677884	Not Sig
ENSG00000273093	NA	NA	NA	1.050627747	3.513431444	3.256810076	1.078795313	0.280678985	0.998677884	Not Sig
ENSG00000227017	NA	NA	NA	1.053675317	3.517388545	3.254973401	1.080619751	0.279866293	0.998677884	Not Sig
ENSG00000237588	NA	NA	NA	1.083704149	3.555766328	3.30661715	1.075348662	0.282218657	0.998677884	Not Sig
ENSG00000226854	NA	NA	NA	1.075947187	3.56152612	3.190566084	1.11626778	0.264307529	0.998677884	Not Sig
ENSG00000253266	NA	NA	NA	8.492588327	3.62476272	1.395089118	2.598230229	0.009370564	0.853009137	Not Sig
ENSG00000230945	NA	NA	NA	1.139052419	3.637660862	2.601308022	1.398396819	0.161993938	0.998677884	Not Sig
ENSG00000229274	LOC105375009	uncharacterized LOC105375009	105375009	1.143623775	3.642898773	2.600019685	1.401104304	0.161182885	0.998677884	Not Sig
ENSG00000255029	NA	NA	NA	1.14514756	3.644714772	3.179019424	1.14649025	0.251592359	0.998677884	Not Sig
ENSG00000242029	NA	NA	NA	1.170605036	3.674106942	3.139931069	1.170123439	0.241951297	0.998677884	Not Sig
ENSG00000250378	LOC107986453	uncharacterized LOC107986453	107986453	1.205205222	3.710479149	2.58349657	1.436223756	0.150938681	0.998677884	Not Sig
ENSG00000256237	NA	NA	NA	1.239805409	3.751809175	3.133928851	1.197158376	0.23124483	0.998677884	Not Sig
ENSG00000224259	LINC01133	long intergenic non-protein coding RNA 1133	100505633	25.66437547	3.791235529	1.366758845	2.773887684	0.00553908	0.687720487	Not Sig
ENSG00000272461	NA	NA	NA	2.688259099	3.811623103	2.005413619	1.900666808	0.057345669	0.998677884	Not Sig
ENSG00000259579	NA	NA	NA	1.296677465	3.825392937	2.453536428	1.559134355	0.118964584	0.998677884	Not Sig
ENSG00000260166	NA	NA	NA	1.29820125	3.826842682	2.53362955	1.510419186	0.130936496	0.998677884	Not Sig
ENSG00000196096	NA	NA	NA	1.328230081	3.856105142	2.427032785	1.588814608	0.112102254	0.998677884	Not Sig
ENSG00000264026	LINC02003	long intergenic non-protein coding RNA 2003	146795	5.040569436	3.917337677	1.633496916	2.398129827	0.016479023	0.978832402	Not Sig
ENSG00000250446	NA	NA	NA	7.949079477	3.948484585	1.746111732	2.261301217	0.023740611	0.998677884	Not Sig
ENSG00000225982	NA	NA	NA	1.425935501	3.953572906	3.042494129	1.299451285	0.193789101	0.998677884	Not Sig
ENSG00000231892	NA	NA	NA	3.219469383	4.108117124	2.315707192	1.774022699	0.076059396	0.998677884	Not Sig
ENSG00000270074	NA	NA	NA	1.69896648	4.208139456	2.306017828	1.824851224	0.068023483	0.998677884	Not Sig
ENSG00000227702	NA	NA	NA	1.695780873	4.216417516	2.881951723	1.463042383	0.143455782	0.998677884	Not Sig
ENSG00000223956	LINC01767	long intergenic non-protein coding RNA 1767	105378744	6.670810343	4.235858204	1.66628696	2.542094073	0.011019051	0.853009137	Not Sig

ENSG00000250748	LOC105369187	uncharacterized LOC105369187	105369187	1.749743395	4.258583687	2.911227247	1.462813901	0.143518308	0.998677884	Not Sig
ENSG00000226601	NA	NA	NA	1.75126718	4.260962477	2.411352009	1.767042913	0.077221042	0.998677884	Not Sig
ENSG00000261307	NA	NA	NA	3.66231569	4.304907226	1.797075871	2.395506665	0.016597412	0.978832402	Not Sig
ENSG00000233410	NA	NA	NA	7.223342984	4.425791398	1.470764556	3.009177355	0.002619561	0.475349657	Not Sig
ENSG00000231901	NA	NA	NA	7.156665413	4.435269552	2.019755194	2.195944125	0.028095943	0.998677884	Not Sig
ENSG00000248673	LINC01331	long intergenic non-protein coding RNA 1331	104310351	22.29660511	4.44206234	1.673860914	2.653782224	0.007959518	0.816369677	Not Sig
ENSG00000256124	LINC01152	long intergenic non-protein coding RNA 1152	102606463	4.019199985	4.446888377	1.942790517	2.288918099	0.022084111	0.998677884	Not Sig
ENSG00000236028	NA	NA	NA	7.744234728	4.468313666	1.731988817	2.579874433	0.009883625	0.853009137	Not Sig
ENSG00000227308	NA	NA	NA	11.26084513	4.491637265	1.55404302	2.890291457	0.003848848	0.567464532	Not Sig
ENSG00000259198	NA	NA	NA	2.13419386	4.542412352	2.286483794	1.986636583	0.046962684	0.998677884	Not Sig
ENSG00000236318	NA	NA	NA	13.64452301	4.770058249	1.271146093	3.752564929	0.000175034	0.068817722	Not Sig
ENSG00000267761	MIR4527HG	MIR4527 host gene	110175910	13.23560799	4.783232772	1.543992892	3.097962949	0.001948558	0.417877096	Not Sig
ENSG00000233005	NA	NA	NA	14.34338441	ENSG00000233410	1.839377039	2.62172016	0.008748723	0.853009137	Not Sig
ENSG00000257060	NA	NA	NA	2.618812406	4.837894548	2.064253319	2.343653516	0.019095902	0.998677884	Not Sig
ENSG00000257826	NA	NA	NA	15.19797437	5.514375103	1.630943604	3.381094901	0.000721976	0.189237939	Not Sig
ENSG00000257986	NA	NA	NA	5.322201073	5.85706835	1.889709462	3.099454423	0.001938774	0.417877096	Not Sig
ENSG00000248942	LINC01335	long intergenic non-protein coding RNA 1335	102503429	6.366010734	6.119710129	2.390934256	2.559547638	0.010480849	0.853009137	Not Sig
ENSG00000231204	NA	NA	NA	11.09713186	6.923590119	1.994909894	3.470627993	0.000519243	0.153111725	Not Sig
ENSG00000260725	NA	NA	NA	30.93845693	7.433180081	1.743306356	4.263840406	2.01E-05	0.011850613	FDR<0.05

Supplementary 2

mirna	E19D1	E19D2	E19D3	E19N1	E19N2	E19N3	baseMean	log2FoldClfcSE	stat	pvalue	padj	
hsa-miR-196a-5p		2	2	0	0	240	3269 760.7934	-10.3059	1.99469	-5.16665	NA	NA
hsa-miR-196a-3p		0	0	0	0	25	320 74.61696	-9.84333	3.907446	-2.51912	NA	NA
hsa-miR-6744-5p		0	0	0	0	86	4 12.46898	-7.26839	2.325184	-3.12594	NA	NA
hsa-miR-3182		2	18	4	2	2257	628 448.0951	-6.81745	1.528298	-4.46081	8.16E-06	0.001436
hsa-miR-4488		0	0	0	4	0	27 6.871841	-6.39715	2.462773	-2.59754	0.009389	0.342438
hsa-miR-552-5p		2	0	2	0	319	0 43.4884	-6.30195	3.714616	-1.69653	NA	NA
hsa-miR-519a-5p		2	0	0	89	0	0 19.39255	-6.15758	2.502637	-2.46044	NA	NA
hsa-miR-4652-5p		0	0	0	0	5	23 5.794337	-6.15219	2.482675	-2.47805	NA	NA
hsa-miR-6715b-3p		0	0	0	0	36	2 5.292068	-6.0366	2.55216	-2.36529	NA	NA
hsa-miR-518a-3p		0	0	0	22	0	0 4.730133	-5.86027	3.077016	-1.90453	NA	NA
hsa-miR-129-2-3p		0	0	0	9	18	0 4.358429	-5.75164	2.510349	-2.29117	0.021953	0.544446
hsa-miR-552-3p		0	2	8	21	559	0 81.25915	-5.75031	1.853635	-3.10218	NA	NA
hsa-miR-194-3p		0	2	0	0	121	0 16.64	-5.61403	2.475208	-2.2681	NA	NA
hsa-miR-873-5p		4	0	0	14	94	37 24.41792	-5.4596	1.431107	-3.81495	0.000136	0.01689
hsa-miR-765		0	0	0	16	0	0 3.440097	-5.40007	3.260526	-1.6562	NA	NA
hsa-miR-1246	134		43	195	119	146	9018 2105.595	-5.29158	1.458219	-3.6288	NA	NA
hsa-miR-615-3p		2	0	2	5	8	87 22.06432	-5.26734	1.583498	-3.3264	NA	NA
hsa-miR-2682-5p		0	0	0	6	0	6 2.625996	-5.00561	2.852861	-1.75459	NA	NA
hsa-miR-522-3p		2	0	2	80	2	0 18.01057	-4.98061	1.972126	-2.5255	NA	NA
hsa-miR-935		0	0	0	0	0	11 2.449259	-4.90745	3.517725	-1.39506	NA	NA
hsa-miR-516b-5p		5	2	6	251	5	0 56.48318	-4.88353	1.734633	-2.81531	NA	NA
hsa-miR-124-3p		0	0	0	11	0	0 2.365067	-4.85858	3.545318	-1.37042	NA	NA
hsa-miR-2681-5p		0	0	0	11	0	0 2.365067	-4.85858	3.545318	-1.37042	NA	NA
hsa-miR-3154		0	0	0	10	0	0 2.150061	-4.72084	3.631058	-1.30013	NA	NA
hsa-miR-122-5p	31		20	41	1563	19	5 353.023	-4.67464	1.554732	-3.00672	NA	NA
hsa-miR-876-3p		0	0	0	0	0	9 2.003939	-4.61729	3.70035	-1.2478	NA	NA
hsa-miR-6762-3p		0	0	0	9	0	0 1.935055	-4.56858	3.73268	-1.22394	NA	NA
hsa-miR-1290		7	4	23	16	17	479 117.2454	-4.52721	1.403484	-3.22569	NA	NA
hsa-miR-4732-5p		2	0	0	19	15	0 6.361602	-4.49602	2.168678	-2.07316	0.038157	0.83959
hsa-miR-1298-3p		0	0	0	8	0	0 1.720049	-4.39838	3.855694	-1.14075	NA	NA
hsa-miR-6505-3p		0	0	0	8	0	0 1.720049	-4.39838	3.855694	-1.14075	NA	NA
hsa-miR-549a		0	2	2	6	8	47 13.46546	-4.37515	1.536502	-2.84747	NA	NA
hsa-miR-192-3p		2	0	2	3	75	0 11.28323	-4.28882	1.911972	-2.24314	NA	NA
hsa-miR-302b-3p		0	0	0	7	0	0 1.505042	-4.20517	3.940486	-1.06717	NA	NA

hsa-miR-5187-5p	0	0	0	7	0	0	1.505042	-4.20517	3.940486	-1.06717	NA	NA
hsa-miR-548q	0	0	0	7	0	0	1.505042	-4.20517	3.940486	-1.06717	NA	NA
hsa-miR-874-5p	0	0	0	0	4	4	1.429167	-4.13794	3.340668	-1.23866	0.215473	0.938786
hsa-miR-6744-3p	0	0	0	0	10	0	1.346319	-4.06831	3.94382	-1.03157	NA	NA
hsa-miR-1224-5p	0	0	0	5	2	0	1.344294	-4.04559	3.437734	-1.17682	0.239268	0.938786
hsa-miR-1252-5p	0	0	0	0	0	6	1.335959	-4.03002	3.944811	-1.0216	NA	NA
hsa-miR-3660	0	0	0	0	0	6	1.335959	-4.03002	3.944811	-1.0216	NA	NA
hsa-miR-548y	0	0	0	0	0	6	1.335959	-4.03002	3.944811	-1.0216	NA	NA
hsa-miR-4532	0	0	0	4	0	2	1.305344	-3.99523	3.484507	-1.14657	0.25156	0.938786
hsa-miR-129-1-3p	0	0	2	8	21	0	4.831132	-3.99078	2.248172	-1.77512	0.075878	0.938786
hsa-miR-383-5p	0	0	0	6	0	0	1.290036	-3.98168	3.946098	-1.00902	NA	NA
hsa-miR-4657	0	0	0	6	0	0	1.290036	-3.98168	3.946098	-1.00902	NA	NA
hsa-miR-4742-5p	0	0	0	6	0	0	1.290036	-3.98168	3.946098	-1.00902	NA	NA
hsa-miR-6792-5p	0	0	0	6	0	0	1.290036	-3.98168	3.946098	-1.00902	NA	NA
hsa-miR-6855-3p	0	0	0	6	0	0	1.290036	-3.98168	3.946098	-1.00902	NA	NA
hsa-miR-129-5p	11	13	6	197	202	5	75.20211	-3.96673	1.193302	-3.32416	0.000887	0.086124
hsa-miR-194-5p	1642	695	797	783	45415	1848	7139.7	-3.90916	1.223158	-3.19596	NA	NA
hsa-miR-4636	0	0	2	20	0	0	4.583935	-3.90216	2.787839	-1.39971	NA	NA
hsa-miR-1248	0	0	5	9	7	34	11.15745	-3.85949	1.676226	-2.30249	NA	NA
hsa-miR-4700-5p	0	0	0	2	2	2	1.144596	-3.81164	3.038541	-1.25443	0.209685	0.938786
hsa-miR-1273h-5p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-219a-2-3p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-3187-3p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-3192-5p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-3920	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-4529-3p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-518e-3p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-610	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-636	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-6827-5p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-6857-3p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-7846-3p	0	0	0	5	0	0	1.07503	-3.71711	3.953951	-0.9401	NA	NA
hsa-miR-767-3p	0	0	2	0	0	16	3.846372	-3.62881	2.864576	-1.26679	NA	NA
hsa-miR-518e-5p	2	0	0	15	0	0	3.482099	-3.5966	2.909144	-1.23631	NA	NA
hsa-miR-519b-5p	2	0	0	15	0	0	3.482099	-3.5966	2.909144	-1.23631	NA	NA

hsa-miR-519c-5p	2	0	0	15	0	0	3.482099	-3.5966	2.909144	-1.23631	NA	NA
hsa-miR-522-5p	2	0	0	15	0	0	3.482099	-3.5966	2.909144	-1.23631	NA	NA
hsa-miR-523-5p	2	0	0	15	0	0	3.482099	-3.5966	2.909144	-1.23631	NA	NA
hsa-miR-1269b	5	47	5	0	824	0	120.5028	-3.53726	3.188992	-1.10921	NA	NA
hsa-miR-3118	0	0	0	3	2	0	0.914282	-3.49261	3.8823	-0.89962	0.36832	0.938786
hsa-miR-5188	0	0	0	0	0	4	0.89064	-3.44025	3.963836	-0.86791	NA	NA
hsa-miR-122-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-3199	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-3202	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-3622a-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-3923	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-4436a	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-4733-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-4744	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-4755-5p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-4762-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-4772-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-512-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-517a-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-517b-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-518d-5p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-518f-5p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-520a-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-520c-5p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-526a	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-545-5p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-605-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-616-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-6827-3p	0	0	0	4	0	0	0.860024	-3.39292	3.96572	-0.85556	NA	NA
hsa-miR-3121-3p	0	0	0	0	3	2	0.849215	-3.39121	3.96579	-0.85512	0.392487	0.938786
hsa-miR-3609	0	0	0	2	3	0	0.833908	-3.36728	3.966767	-0.84887	0.395952	0.938786
hsa-miR-6888-3p	0	0	0	2	3	0	0.833908	-3.36728	3.966767	-0.84887	0.395952	0.938786
hsa-miR-216a-5p	0	0	0	0	6	0	0.807791	-3.34184	3.967823	-0.84224	NA	NA
hsa-miR-3157-5p	0	0	0	0	6	0	0.807791	-3.34184	3.967823	-0.84224	NA	NA
hsa-miR-561-5p	11	0	0	2	98	3	15.70546	-3.3217	1.874208	-1.77232	NA	NA

hsa-miR-519a-3p	2	0	0	12	0	0	2.837081	-3.27649	3.018369	-1.08552	NA	NA
hsa-miR-9-3p	38	25	16	30	81	422	122.8407	-3.27122	1.12441	-2.90928	NA	NA
hsa-miR-3190-3p	2	0	2	21	0	3	5.723929	-3.22252	2.016737	-1.59789	NA	NA
hsa-miR-1299	11	95	0	146	953	12	180.3835	-3.17518	1.642999	-1.93255	0.053291	0.89299
hsa-miR-6507-5p	2	0	0	11	0	0	2.622075	-3.15168	3.06517	-1.02823	NA	NA
hsa-miR-3163	0	0	0	0	2	2	0.714584	-3.13815	3.976972	-0.78908	0.430066	0.938786
hsa-miR-4732-3p	0	0	0	2	2	0	0.699276	-3.10996	3.978341	-0.78172	0.434377	0.938786
hsa-miR-5588-3p	0	0	0	2	2	0	0.699276	-3.10996	3.978341	-0.78172	0.434377	0.938786
hsa-miR-5588-5p	0	0	0	0	5	0	0.673159	-3.08381	3.979634	-0.7749	NA	NA
hsa-miR-3960	2	0	0	0	0	10	2.483607	-3.06281	3.101465	-0.98754	NA	NA
hsa-miR-192-5p	9267	4470	5012	6179	141687	8525	24985.59	-3.0551	1.092328	-2.79687	NA	NA
hsa-miR-1234-3p	0	0	0	0	0	3	0.66798	-3.02054	3.982859	-0.75838	NA	NA
hsa-miR-548s	0	0	0	0	0	3	0.66798	-3.02054	3.982859	-0.75838	NA	NA
hsa-miR-6508-3p	0	0	0	0	0	3	0.66798	-3.02054	3.982859	-0.75838	NA	NA
hsa-miR-1183	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-1249-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-3667-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-4477a	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-4503	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-4725-3p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-4757-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-4773	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-5189-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-6734-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-6842-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-6847-5p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-6866-3p	0	0	0	3	0	0	0.645018	-2.97418	3.98531	-0.74629	NA	NA
hsa-miR-5481	0	0	2	0	5	6	2.292933	-2.80653	2.612891	-1.07411	0.282774	0.938786
hsa-miR-4671-5p	0	0	0	0	4	0	0.538528	-2.76908	3.997128	-0.69277	NA	NA
hsa-miR-561-3p	0	0	0	0	4	0	0.538528	-2.76908	3.997128	-0.69277	NA	NA
hsa-miR-203a-3p	9349	4426	5516	8899	68129	30449	20623.12	-2.69564	0.83151	-3.24186	0.001188	0.086124
hsa-miR-516a-5p	13	5	32	176	26	15	51.76682	-2.65191	1.214912	-2.1828	NA	NA
hsa-miR-873-3p	0	2	0	3	4	4	2.423722	-2.65105	2.192238	-1.20929	0.226552	0.938786
hsa-miR-585-3p	22	20	8	190	7	20	53.70449	-2.63248	1.283811	-2.05052	NA	NA
hsa-miR-3116	0	2	0	0	7	5	2.405259	-2.62437	2.583767	-1.01572	NA	NA

hsa-miR-488-3p	4	0	0	15	0	0	3.739108	-2.61716	2.852383	-0.91753	NA	NA
hsa-miR-1255b-5p	6	0	2	18	10	6	7.607226	-2.59268	1.455792	-1.78094	NA	NA
hsa-miR-1179	0	0	2	4	3	2	1.993054	-2.56558	2.321243	-1.10526	0.269047	0.938786
hsa-miR-7110-3p	2	0	0	6	2	0	1.816308	-2.54489	2.808553	-0.90612	0.364872	0.938786
hsa-miR-1304-5p	5	0	6	28	10	6	10.19641	-2.51541	1.413073	-1.7801	NA	NA
hsa-miR-767-5p	0	0	44	0	0	160	41.86949	-2.51148	3.733082	-0.67276	NA	NA
hsa-miR-3656	13	0	5	32	2	29	15.98668	-2.49335	1.510167	-1.65104	NA	NA
hsa-miR-6854-5p	0	0	2	2	5	2	1.832305	-2.43626	2.369541	-1.02816	0.303875	0.938786
hsa-miR-215-5p	521	226	67	276	3978	136	741.1452	-2.43089	1.194376	-2.03528	NA	NA
hsa-miR-1249-3p	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-4417	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-4758-3p	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-4795-3p	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-559	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-615-5p	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-6777-3p	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-6783-3p	0	0	0	0	0	2	0.44532	-2.42659	4.020883	-0.6035	0.546178	0.938786
hsa-miR-483-5p	0	4	0	17	0	0	4.354177	-2.40909	2.810732	-0.8571	NA	NA
hsa-miR-1243	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-1261	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-1273f	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-1302	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-1323	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-138-1-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-187-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-204-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-3160-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-373-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-384	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-3938	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-4306	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-4670-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-4688	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-4714-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-4728-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786

hsa-miR-4804-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-5089-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-5583-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-5706	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-6501-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-6738-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-6741-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-6791-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-6809-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-6829-3p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-7845-5p	0	0	0	2	0	0	0.430012	-2.3821	4.024388	-0.59192	0.553907	0.938786
hsa-miR-15b-3p	70	14	72	154	386	123	134.1254	-2.37414	0.853544	-2.7815	NA	NA
hsa-miR-2277-3p	2	0	0	0	2	5	1.639572	-2.37035	2.878261	-0.82354	0.410203	0.938786
hsa-miR-670-3p	0	0	0	0	3	0	0.403896	-2.36536	4.025734	-0.58756	NA	NA
hsa-miR-4661-5p	2	0	5	19	0	4	5.942298	-2.34074	1.967423	-1.18975	0.234145	0.938786
hsa-miR-3158-3p	425	79	255	2088	250	115	612.8038	-2.27986	1.184632	-1.92453	NA	NA
hsa-miR-4492	3	2	11	17	3	32	13.48014	-2.27067	1.327476	-1.71052	0.08717	0.938786
hsa-miR-6859-5p	4	0	0	11	0	0	2.879083	-2.17042	2.990798	-0.7257	NA	NA
hsa-miR-9-5p	2631	1112	390	587	2985	9468	3224.009	-2.16506	1.13567	-1.90641	NA	NA
hsa-miR-29b-1-5p	3	0	3	10	5	4	4.525093	-2.15469	1.602532	-1.34455	0.17877	0.938786
hsa-miR-203b-3p	128	83	24	117	665	169	186.6755	-2.1494	0.933387	-2.3028	0.02129	0.544446
hsa-miR-486-5p	4847	2607	4975	21712	18197	1092	9145.721	-2.04444	1.024479	-1.99559	0.045978	0.889817
hsa-miR-1304-3p	6	5	8	16	20	23	14.03404	-2.01247	0.989549	-2.03372	0.04198	0.83959
hsa-miR-513b-5p	0	0	3	8	0	0	2.14577	-1.99741	3.187805	-0.62658	NA	NA
hsa-miR-2113	0	2	0	0	0	6	1.685496	-1.95933	3.396481	-0.57687	NA	NA
hsa-miR-1229-3p	2	0	0	0	4	2	1.240856	-1.90452	3.071131	-0.62014	0.535167	0.938786
hsa-miR-6780b-3p	0	0	2	5	0	0	1.358844	-1.90038	3.580332	-0.53078	NA	NA
hsa-miR-6513-3p	4	0	0	9	0	0	2.449071	-1.88126	3.090941	-0.60864	NA	NA
hsa-miR-1244	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-1257	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-1267	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-1268a	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-1268b	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-3612	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-4433a-3p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786

hsa-miR-4437	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-4479	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-4491	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-4668-5p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-548aa	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-548at-5p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-548t-3p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-6509-5p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-6514-5p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-6756-3p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-6762-5p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-6805-3p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-7156-5p	0	0	0	0	2	0	0.269264	-1.8759	4.061476	-0.46188	0.644171	0.938786
hsa-miR-6503-5p	2	4	0	13	5	0	4.42432	-1.87562	2.011614	-0.9324	0.351131	0.938786
hsa-miR-139-5p	2775	555	1454	9694	1056	766	3056.926	-1.86074	1.151519	-1.6159	NA	NA
hsa-miR-139-3p	30	9	14	107	15	9	34.4438	-1.8594	1.191289	-1.56083	NA	NA
hsa-miR-597-3p	2	0	2	6	5	0	2.504018	-1.83578	2.189548	-0.83843	0.401791	0.938786
hsa-miR-1285-5p	2	2	0	10	0	0	2.756606	-1.82424	2.622179	-0.6957	NA	NA
hsa-miR-451a	358131	92523	277176	1350046	434803	19445	454660.7	-1.79838	1.221628	-1.47212	0.14099	0.938786
hsa-miR-5690	2	0	0	3	2	0	1.17129	-1.78818	3.136705	-0.57008	0.568622	0.938786
hsa-miR-1294	6	3	2	17	7	4	7.06731	-1.7844	1.309361	-1.3628	NA	NA
hsa-miR-126-3p	265187	65800	428688	1538578	97812	39196	459110.8	-1.72877	1.314931	-1.31472	NA	NA
hsa-miR-3910	2	0	0	2	0	2	1.13234	-1.70618	3.197154	-0.53366	0.59358	0.938786
hsa-miR-6882-5p	2	0	0	2	0	2	1.13234	-1.70618	3.197154	-0.53366	0.59358	0.938786
hsa-miR-4662a-5p	10	0	5	13	23	3	8.554169	-1.70318	1.447452	-1.17668	0.239325	0.938786
hsa-miR-105-5p	0	0	61	0	0	126	36.71148	-1.69556	3.73164	-0.45437	NA	NA
hsa-miR-548a-3p	0	0	7	6	3	7	4.245901	-1.69289	1.963031	-0.86239	NA	NA
hsa-miR-5091	6	0	2	16	0	0	4.494936	-1.68262	2.412679	-0.69741	NA	NA
hsa-miR-4508	8	4	0	16	2	8	7.217747	-1.65646	1.593291	-1.03965	0.298504	0.938786
hsa-miR-378c	2	0	2	8	0	0	2.260871	-1.63879	2.709944	-0.60473	NA	NA
hsa-miR-1260b	121	234	792	312	2286	653	689.0825	-1.62383	0.991047	-1.6385	0.101317	0.938786
hsa-miR-296-3p	2	0	2	6	3	0	2.234754	-1.61835	2.271132	-0.71258	0.476109	0.938786
hsa-miR-1269a	0	81	141	0	489	174	138.7429	-1.6147	1.878399	-0.85961	0.390002	0.938786
hsa-miR-4791	47	5	30	12	119	69	45.13555	-1.60083	1.077322	-1.48593	NA	NA
hsa-miR-941	455	681	740	442	3296	1415	1136.341	-1.59601	0.844879	-1.88904	0.058887	0.912748

hsa-miR-548g-3p	0	0	3	4	0	2	1.731065	-1.58979	2.842192	-0.55935	0.575921	0.938786
hsa-miR-125a-3p	22	28	23	82	70	26	43.82835	-1.58291	0.85919	-1.84233	0.065427	0.938786
hsa-miR-4640-3p	0	0	2	2	3	0	1.117722	-1.55426	3.17089	-0.49017	0.624016	0.938786
hsa-miR-212-3p	18	13	27	2	89	55	33.0751	-1.55212	1.170533	-1.32599	NA	NA
hsa-miR-1260a	134	239	776	285	2221	605	664.1125	-1.54977	0.983136	-1.57635	0.114945	0.938786
hsa-miR-2116-3p	12	8	2	0	14	34	12.67929	-1.54931	1.544339	-1.00322	0.315755	0.938786
hsa-miR-4695-3p	0	0	2	0	6	0	1.091605	-1.53022	3.777435	-0.4051	NA	NA
hsa-miR-363-5p	0	5	0	9	4	0	3.347424	-1.52798	2.45645	-0.62203	0.533924	0.938786
hsa-miR-4454	29	19	26	10	151	37	41.45469	-1.52128	1.003472	-1.51601	0.129516	0.938786
hsa-miR-204-5p	31	16	25	111	43	0	39.98244	-1.5201	1.420278	-1.07028	0.284492	0.938786
hsa-miR-584-5p	51	26	44	152	100	14	66.60295	-1.50485	0.992015	-1.51696	0.129277	0.938786
hsa-miR-578	2	0	3	5	0	4	2.648399	-1.48724	2.194022	-0.67786	NA	NA
hsa-miR-4504	19	0	6	37	5	3	12.58938	-1.48074	1.587847	-0.93255	NA	NA
hsa-miR-320a	3726	2277	4530	11856	6598	3517	5740.101	-1.47369	0.800813	-1.84025	NA	NA
hsa-miR-3622a-5p	14	0	3	27	3	0	8.433839	-1.46376	1.947681	-0.75154	NA	NA
hsa-miR-92a-3p	8446	7606	11913	8377	29279	24576	15320.26	-1.44992	0.755335	-1.91958	0.054911	0.895924
hsa-miR-2110	48	56	50	147	123	66	85.91175	-1.44825	0.771778	-1.87651	NA	NA
hsa-miR-1283	2	0	2	7	0	0	2.045865	-1.44557	2.764507	-0.5229	NA	NA
hsa-miR-1254	2	3	3	4	0	11	4.516318	-1.44367	1.751904	-0.82406	0.409906	0.938786
hsa-miR-190a-3p	2	0	0	0	2	2	0.971592	-1.43795	3.317949	-0.43339	0.664735	0.938786
hsa-miR-1306-3p	2	12	0	25	2	3	8.666624	-1.43356	1.744247	-0.82188	NA	NA
hsa-miR-579-5p	5	0	0	5	5	0	2.390711	-1.42128	2.573536	-0.55227	0.580766	0.938786
hsa-miR-106b-3p	1468	2284	2422	2542	6465	4807	3418.781	-1.41697	0.729544	-1.94227	0.052105	0.89299
hsa-miR-4685-3p	2	0	0	2	2	0	0.956284	-1.41128	3.331442	-0.42362	0.671841	0.938786
hsa-miR-548aj-5p	5	0	0	4	0	4	2.393185	-1.40541	2.612872	-0.53788	NA	NA
hsa-miR-548g-5p	5	0	0	4	0	4	2.393185	-1.40541	2.612872	-0.53788	NA	NA
hsa-miR-548x-5p	5	0	0	4	0	4	2.393185	-1.40541	2.612872	-0.53788	NA	NA
hsa-miR-4800-3p	2	3	3	0	0	14	4.324273	-1.35967	2.111351	-0.64398	NA	NA
hsa-miR-93-5p	2735	2860	4266	1900	7977	9849	5132.119	-1.33524	0.85052	-1.5699	0.116438	0.938786
hsa-miR-6843-3p	7	0	2	14	0	0	4.193428	-1.32469	2.435441	-0.54392	NA	NA
hsa-miR-548d-3p	0	0	2	0	2	2	0.998398	-1.32215	3.294767	-0.40129	0.688207	0.938786
hsa-miR-548d-5p	21	21	15	34	27	45	29.46229	-1.30061	0.880182	-1.47766	0.1395	0.938786
hsa-miR-1291	10	2	9	6	32	7	10.06862	-1.29966	1.180042	-1.10137	NA	NA
hsa-let-7a-2-3p	5	0	4	3	3	9	4.263002	-1.29843	1.668046	-0.77841	NA	NA
hsa-miR-132-3p	390	243	667	499	1072	935	647.0377	-1.29593	0.747407	-1.7339	0.082936	0.938786

hsa-miR-5695	0	0	2	2	2	0	0.98309	-1.29532	3.307648	-0.39161	0.695343	0.938786
hsa-miR-4448	5	0	0	3	7	0	2.229962	-1.29262	2.619218	-0.49351	NA	NA
hsa-miR-6733-5p	0	2	0	0	6	0	1.157328	-1.27137	3.723605	-0.34143	NA	NA
hsa-miR-16-2-3p	105	119	292	214	633	229	257.9496	-1.26742	0.796334	-1.59156	NA	NA
hsa-miR-30a-3p	6391	5649	3071	23658	1576	276	7604.581	-1.25599	1.335876	-0.9402	NA	NA
hsa-miR-10a-5p	73835	44274	74163	148838	144586	62764	93192.04	-1.23772	0.708864	-1.74606	0.0808	0.938786
hsa-miR-217	19	23	14	2	115	17	28.14585	-1.23155	1.221981	-1.00783	0.313537	0.938786
hsa-miR-105-3p	0	0	8	0	0	12	3.807175	-1.22198	2.878725	-0.42448	NA	NA
hsa-miR-486-3p	14	9	19	40	41	0	20.18836	-1.21905	1.375042	-0.88655	0.37532	0.938786
hsa-miR-574-5p	1523	1160	621	1985	2276	1781	1616.334	-1.2153	0.721078	-1.68539	NA	NA
hsa-miR-6726-3p	0	4	0	6	2	0	2.258374	-1.18281	2.685472	-0.44045	NA	NA
hsa-miR-219a-1-3p	6	3	0	2	15	2	4.19014	-1.18005	1.727473	-0.68311	NA	NA
hsa-miR-7-5p	13820	6881	17154	19294	43914	9642	17620.22	-1.17332	0.762085	-1.53962	0.123654	0.938786
hsa-miR-100-5p	78955	41702	68063	64596	161293	114411	88171.31	-1.17275	0.681216	-1.72155	0.085151	0.938786
hsa-miR-423-5p	2972	4112	2814	10553	4534	2164	4861.104	-1.16413	0.88309	-1.31824	NA	NA
hsa-miR-576-5p	115	68	103	258	124	90	133.484	-1.15794	0.816928	-1.41743	NA	NA
hsa-miR-324-5p	117	147	220	66	641	253	228.7679	-1.12523	0.894137	-1.25846	0.208226	0.938786
hsa-let-7d-3p	384	716	617	819	1700	747	833.3275	-1.12486	0.726984	-1.5473	0.121792	0.938786
hsa-miR-4516	10	3	23	5	2	44	16.21454	-1.12314	1.410849	-0.79607	NA	NA
hsa-miR-548ay-5p	19	19	22	26	27	45	28.12905	-1.11153	0.875377	-1.26977	0.204167	0.938786
hsa-miR-6772-3p	2	2	0	2	0	4	1.927197	-1.10848	2.398714	-0.46211	0.644	0.938786
hsa-let-7b-3p	155	118	196	352	238	172	214.3766	-1.09436	0.746051	-1.46687	NA	NA
hsa-miR-6740-3p	4	0	0	0	0	5	1.627316	-1.08014	3.40253	-0.31745	NA	NA
hsa-miR-3074-5p	2	3	4	8	8	0	4.146045	-1.06305	1.683798	-0.63134	0.527818	0.938786
hsa-miR-96-3p	0	0	3	0	0	4	1.316361	-1.04103	3.60637	-0.28866	NA	NA
hsa-miR-106a-3p	0	9	0	2	12	5	4.73181	-1.03821	1.994069	-0.52065	NA	NA
hsa-miR-23a-3p	16703	14652	14786	24488	31725	19575	20700.18	-1.02981	0.639369	-1.61066	0.107254	0.938786
hsa-miR-23b-3p	24728	16680	14621	26076	36008	27580	24762.89	-1.02278	0.656021	-1.55907	0.118981	0.938786
hsa-miR-1292-5p	7	6	0	11	2	6	5.918429	-1.01986	1.622329	-0.62864	0.529584	0.938786
hsa-miR-18a-3p	22	13	11	16	44	18	20.03184	-1.00971	0.895792	-1.12717	0.259672	0.938786
hsa-miR-223-3p	2434	359	1304	2456	1140	2008	1689.204	-1.00937	0.902679	-1.1182	0.263483	0.938786
hsa-miR-708-5p	925	301	431	80	1778	945	699.6231	-1.00535	1.021108	-0.98456	NA	NA
hsa-miR-7977	12	16	5	5	46	12	14.9879	-0.99597	1.12898	-0.88219	0.377675	0.938786
hsa-miR-193b-5p	27	5	30	39	11	33	25.81463	-0.98966	1.076024	-0.91973	NA	NA
hsa-miR-550a-5p	3	10	6	14	8	8	8.853058	-0.98181	1.18932	-0.82552	0.409076	0.938786

hsa-miR-3140-3p	6	0	2	2	9	2	3.141858	-0.9766	1.802976	-0.54166	0.588055	0.938786
hsa-miR-3605-3p	32	40	8	53	62	19	36.21116	-0.97455	0.983408	-0.99099	0.321688	0.938786
hsa-miR-17-5p	4803	2265	4939	2966	8061	7310	5064.554	-0.96708	0.741557	-1.30412	0.192191	0.938786
hsa-miR-1285-3p	28	7	21	38	41	7	23.0503	-0.963	1.022731	-0.9416	0.346399	0.938786
hsa-miR-320d	87	49	15	115	49	51	64.55043	-0.96217	0.969806	-0.99212	0.321137	0.938786
hsa-miR-4792	76	37	222	282	196	27	140.7675	-0.96199	1.061696	-0.90609	0.36489	0.938786
hsa-miR-5680	2	5	6	18	0	0	5.852402	-0.96027	2.019437	-0.47551	NA	NA
hsa-miR-20a-5p	10164	3850	7929	2685	12794	16774	9138.824	-0.95905	0.886992	-1.08124	0.279592	0.938786
hsa-miR-365b-5p	8	3	6	18	3	2	7.123105	-0.9545	1.393648	-0.68489	NA	NA
hsa-miR-4777-3p	2	0	3	5	2	0	2.027024	-0.95279	2.331534	-0.40866	0.682793	0.938786
hsa-miR-25-3p	7728	11139	9134	14530	18896	11016	12356.87	-0.93894	0.685057	-1.3706	NA	NA
hsa-let-7e-5p	3788	3756	3647	7763	3470	4680	4839.052	-0.9364	0.773343	-1.21085	0.225954	0.938786
hsa-miR-20a-3p	23	0	11	6	25	18	13.18028	-0.93065	1.380055	-0.67436	0.500082	0.938786
hsa-miR-6716-3p	6	4	2	13	4	0	5.087519	-0.91973	1.68127	-0.54704	NA	NA
hsa-miR-374c-5p	2	3	41	9	51	16	18.96334	-0.90861	1.314776	-0.69108	NA	NA
hsa-miR-425-5p	9740	3282	10042	22011	3382	4051	9340.07	-0.90581	1.01842	-0.88943	NA	NA
hsa-let-7b-5p	68098	37678	46003	125996	48030	32900	62745.73	-0.90289	0.84683	-1.06621	NA	NA
hsa-miR-6808-3p	0	2	0	3	0	0	0.994555	-0.89797	3.923681	-0.22886	NA	NA
hsa-miR-149-5p	258	309	123	303	508	272	298.7154	-0.89249	0.75723	-1.17862	0.238549	0.938786
hsa-miR-548ah-3p	73	20	81	172	4	34	69.46065	-0.88454	1.266329	-0.69851	NA	NA
hsa-miR-3195	12	24	6	40	16	6	18.67825	-0.87945	1.16012	-0.75807	NA	NA
hsa-miR-664a-5p	138	63	86	268	113	11	116.2323	-0.87758	1.093777	-0.80234	0.422359	0.938786
hsa-miR-191-5p	15092	14403	26356	16031	43237	25941	23240.54	-0.87606	0.707318	-1.23857	NA	NA
hsa-miR-548p	50	14	69	126	4	30	52.97264	-0.8742	1.249578	-0.6996	0.484177	0.938786
hsa-miR-6506-5p	5	0	0	3	4	0	1.826067	-0.86621	2.757825	-0.31409	NA	NA
hsa-miR-548am-3p	85	20	81	178	4	38	73.18337	-0.86421	1.266892	-0.68215	0.495146	0.938786
hsa-miR-6854-3p	0	2	2	4	2	0	1.762639	-0.84796	2.43107	-0.3488	0.727239	0.938786
hsa-miR-548ad-5p	19	19	14	13	18	39	21.65107	-0.83896	0.974984	-0.86048	NA	NA
hsa-miR-99b-5p	19998	20814	21202	23700	52281	19276	25642.49	-0.83378	0.669325	-1.2457	0.212874	0.938786
hsa-miR-7976	8	6	7	4	28	3	8.36769	-0.81155	1.23066	-0.65944	NA	NA
hsa-miR-342-3p	3824	2245	5532	10189	3484	1171	4589.274	-0.80737	0.970992	-0.83149	NA	NA
hsa-miR-342-5p	51	28	47	114	47	4	49.84589	-0.80659	1.135524	-0.71032	0.477504	0.938786
hsa-miR-548ag	7	7	7	17	10	2	8.562999	-0.8049	1.227854	-0.65553	0.512126	0.938786
hsa-miR-7706	161	78	134	302	97	68	146.4686	-0.80258	0.908683	-0.88324	NA	NA
hsa-miR-7704	14	3	36	35	19	13	20.40981	-0.79586	1.127541	-0.70584	NA	NA

hsa-miR-4497	41	37	27	50	48	44	42.57626	-0.79378	0.786338	-1.00947	0.312751	0.938786
hsa-miR-26a-2-3p	91	49	82	175	94	22	87.07388	-0.78952	0.944662	-0.83577	0.403284	0.938786
hsa-miR-335-3p	1296	611	3549	2856	1751	2204	2117.493	-0.78679	0.88664	-0.88738	NA	NA
hsa-miR-193b-3p	170	57	531	77	182	646	292.0569	-0.78617	1.125281	-0.69864	NA	NA
hsa-miR-200c-3p	29065	46265	48279	16529	97203	69453	50776.62	-0.78193	0.841994	-0.92867	NA	NA
hsa-miR-766-3p	10	14	23	8	54	13	18.88041	-0.77783	1.025735	-0.75831	NA	NA
hsa-miR-335-5p	2190	477	2259	3686	1048	1083	1860.104	-0.77725	0.954851	-0.814	NA	NA
hsa-miR-145-5p	8441	7580	10040	15908	13354	6010	10390.57	-0.77397	0.728382	-1.06258	0.28797	0.938786
hsa-miR-624-5p	32	7	11	12	21	29	18.76097	-0.77094	1.016818	-0.75818	NA	NA
hsa-miR-744-3p	32	26	33	14	78	41	35.97947	-0.7671	0.87195	-0.87975	NA	NA
hsa-miR-6130	18	8	3	12	23	6	11.14951	-0.76477	1.131653	-0.6758	0.49917	0.938786
hsa-miR-4746-5p	0	3	2	0	5	3	2.149258	-0.76283	2.282125	-0.33426	0.73818	0.938786
hsa-miR-4802-5p	3	0	2	0	2	4	1.82923	-0.76108	2.382781	-0.31941	0.749418	0.942992
hsa-miR-3064-3p	7	0	7	5	11	3	5.116839	-0.76077	1.547558	-0.49159	0.623006	0.938786
hsa-miR-3605-5p	5	0	7	13	0	0	4.430949	-0.75592	2.379867	-0.31763	NA	NA
hsa-miR-653-5p	28	41	35	29	92	35	42.14477	-0.75467	0.818329	-0.92221	0.356417	0.938786
hsa-miR-1226-3p	8	15	13	14	13	20	14.70785	-0.74451	1.00403	-0.74152	0.45838	0.938786
hsa-miR-152-3p	10784	11903	8679	10332	30162	7078	12555.86	-0.74228	0.74565	-0.99548	0.319503	0.938786
hsa-miR-5000-3p	2	0	0	0	0	2	0.702328	-0.73647	3.994432	-0.18438	0.853719	0.995744
hsa-miR-23b-5p	111	43	58	91	109	70	79.83623	-0.72918	0.745382	-0.97827	NA	NA
hsa-miR-2277-5p	23	8	17	6	18	34	18.05001	-0.72775	1.063317	-0.68442	NA	NA
hsa-miR-92a-1-5p	4	2	5	5	8	2	4.170494	-0.72633	1.400957	-0.51845	0.604141	0.938786
hsa-miR-889-5p	0	3	0	4	0	0	1.384329	-0.72399	3.569445	-0.20283	NA	NA
hsa-miR-6842-3p	158	50	151	339	47	19	133.9153	-0.72386	1.161522	-0.6232	NA	NA
hsa-miR-628-3p	11	17	11	27	18	7	15.73274	-0.72208	1.030621	-0.70063	NA	NA
hsa-miR-20b-5p	361	325	255	333	630	327	368.6009	-0.7182	0.667656	-1.0757	0.282062	0.938786
hsa-miR-6853-3p	0	6	0	6	3	0	2.742542	-0.71201	2.573533	-0.27667	0.782037	0.962029
hsa-miR-466	4	0	0	4	0	0	1.374041	-0.71074	3.555838	-0.19988	NA	NA
hsa-miR-6505-5p	4	0	0	4	0	0	1.374041	-0.71074	3.555838	-0.19988	NA	NA
hsa-miR-1247-3p	18	7	5	28	4	2	11.25001	-0.7098	1.353255	-0.52451	NA	NA
hsa-miR-148b-5p	319	259	453	221	875	361	396.2412	-0.70724	0.73855	-0.9576	0.338262	0.938786
hsa-miR-27b-3p	178863	132356	101414	28824	277108	245674	158714.3	-0.6987	0.923094	-0.75691	0.449106	0.938786
hsa-miR-16-5p	11752	7520	10937	10330	20380	9533	11463.9	-0.69549	0.640178	-1.08641	0.277299	0.938786
hsa-miR-592	20	22	8	38	20	6	19.74907	-0.69279	1.085392	-0.63828	NA	NA
hsa-miR-4678	2	0	0	2	0	0	0.68702	-0.69198	3.997961	-0.17308	0.862586	0.995744

hsa-miR-548as-5p	2	0	0	2	0	0	0.68702	-0.69198	3.997961	-0.17308	0.862586	0.995744
hsa-miR-582-5p	111	204	161	77	527	134	190.1066	-0.6917	0.872105	-0.79314	0.427696	0.938786
hsa-miR-4301	171	50	74	143	115	91	107.7043	-0.68739	0.798693	-0.86064	0.389438	0.938786
hsa-let-7d-5p	2826	4578	3231	4221	8049	2760	4227.478	-0.68422	0.726998	-0.94116	0.346625	0.938786
hsa-miR-214-3p	1490	923	1134	983	2050	1507	1336.6	-0.67973	0.659642	-1.03045	0.302799	0.938786
hsa-miR-548ae-5p	19	19	16	9	20	37	20.8988	-0.67591	0.988616	-0.68369	NA	NA
hsa-miR-3691-5p	2	0	0	0	3	0	0.660904	-0.67524	3.999316	-0.16884	NA	NA
hsa-miR-7113-5p	2	0	0	0	3	0	0.660904	-0.67524	3.999316	-0.16884	NA	NA
hsa-miR-6513-5p	0	2	2	0	4	2	1.617198	-0.67045	2.462308	-0.27228	0.785404	0.96231
hsa-miR-653-3p	7	11	17	13	21	12	13.52867	-0.6685	0.984128	-0.67929	0.496957	0.938786
hsa-miR-27b-5p	192	130	128	82	319	195	169.5535	-0.66628	0.753223	-0.88458	NA	NA
hsa-miR-548j-5p	8	2	5	7	7	4	5.42521	-0.66069	1.285652	-0.51389	0.607327	0.938786
hsa-miR-574-3p	1911	1278	926	1722	2074	1340	1548.163	-0.65883	0.685488	-0.96112	NA	NA
hsa-miR-10a-3p	454	284	664	385	1002	454	520.9675	-0.65684	0.708849	-0.92663	0.354117	0.938786
hsa-miR-30b-3p	60	40	65	96	105	13	61.59645	-0.65559	0.930685	-0.70442	0.481172	0.938786
hsa-miR-643	2	0	2	0	3	2	1.390038	-0.64136	2.546132	-0.2519	0.801122	0.965675
hsa-let-7f-1-3p	189	129	214	317	185	121	197.2062	-0.63551	0.779428	-0.81535	NA	NA
hsa-miR-212-5p	16	15	37	6	42	38	25.3338	-0.63396	1.028846	-0.61618	0.537775	0.938786
hsa-miR-616-5p	0	2	2	0	7	0	1.575774	-0.62801	2.90643	-0.21608	NA	NA
hsa-miR-576-3p	371	106	297	517	152	161	275.8173	-0.62711	0.916944	-0.68392	NA	NA
hsa-miR-887-3p	7	12	14	20	12	8	12.68043	-0.62581	1.051994	-0.59488	NA	NA
hsa-miR-106a-5p	230	156	170	170	308	209	205.4976	-0.62168	0.663649	-0.93676	0.348884	0.938786
hsa-miR-550a-3p	9	8	2	4	11	9	7.183413	-0.61952	1.24132	-0.49908	0.617724	0.938786
hsa-miR-151a-3p	75370	53390	49117	135384	43093	22496	65905.32	-0.61932	0.916914	-0.67544	NA	NA
hsa-miR-6747-3p	0	0	2	0	0	2	0.729134	-0.61326	3.982413	-0.15399	0.877616	0.995744
hsa-miR-26b-3p	40	39	40	17	98	45	44.50114	-0.61256	0.856567	-0.71513	0.474528	0.938786
hsa-miR-3688-3p	16	9	12	8	37	6	13.36925	-0.60666	1.048995	-0.57833	NA	NA
hsa-miR-210-5p	7	18	23	6	23	30	18.37559	-0.59963	1.078793	-0.55583	0.578324	0.938786
hsa-miR-490-3p	12	10	8	30	2	0	11.14444	-0.59614	1.603176	-0.37185	NA	NA
hsa-miR-375	33204	31072	18637	3589	121000	7094	30983.64	-0.59496	1.139978	-0.5219	NA	NA
hsa-miR-548v	9	2	2	0	7	8	4.513591	-0.59461	1.693052	-0.35121	0.725433	0.938786
hsa-miR-489-3p	8	6	22	14	21	9	13.03989	-0.59242	1.040423	-0.5694	NA	NA
hsa-miR-1262	19	9	4	31	2	0	11.51657	-0.58971	1.64436	-0.35863	NA	NA
hsa-miR-223-5p	349	56	379	447	227	160	270.7125	-0.58099	0.93719	-0.61992	NA	NA
hsa-miR-942-5p	7	5	26	16	14	13	13.68248	-0.58096	1.090078	-0.53295	NA	NA

hsa-miR-550a-3-5p	6	10	4	8	8	8	7.66472	-0.57301	1.169299	-0.49005	0.624099	0.938786
hsa-miR-1973	0	0	2	2	0	0	0.713826	-0.56876	3.985952	-0.14269	0.886534	0.995744
hsa-miR-4799-5p	0	0	2	2	0	0	0.713826	-0.56876	3.985952	-0.14269	0.886534	0.995744
hsa-miR-4999-3p	0	0	2	2	0	0	0.713826	-0.56876	3.985952	-0.14269	0.886534	0.995744
hsa-miR-4684-3p	5	3	0	0	3	6	2.906681	-0.56841	2.137567	-0.26592	0.790303	0.96231
hsa-miR-642a-3p	13	2	2	9	11	0	5.71991	-0.56452	1.648317	-0.34249	NA	NA
hsa-miR-629-5p	405	278	332	287	475	417	366.249	-0.5643	0.666217	-0.84702	0.396984	0.938786
hsa-miR-874-3p	59	33	62	24	112	56	54.85521	-0.56421	0.820874	-0.68733	0.491874	0.938786
hsa-miR-455-3p	698	475	412	804	716	323	572.357	-0.56144	0.73433	-0.76456	0.444533	0.938786
hsa-miR-182-5p	31112	27808	42161	18233	39194	56866	36699.67	-0.55862	0.779246	-0.71687	NA	NA
hsa-miR-548aw	7	0	0	5	2	0	2.243823	-0.55626	2.677702	-0.20774	NA	NA
hsa-miR-4680-3p	0	0	2	0	3	0	0.68771	-0.55203	3.987311	-0.13845	NA	NA
hsa-miR-1295a	5	3	2	10	0	0	3.600701	-0.55154	2.124229	-0.25964	NA	NA
hsa-miR-15b-5p	1777	817	1766	1056	2923	1280	1527.326	-0.54255	0.698301	-0.77696	0.437183	0.938786
hsa-miR-3913-5p	100	43	101	136	71	52	85.07607	-0.53503	0.838053	-0.63843	NA	NA
hsa-miR-1343-3p	2	4	2	4	2	3	3.037164	-0.53207	1.593874	-0.33382	0.738512	0.938786
hsa-miR-1303	28	12	44	3	42	49	29.14914	-0.52493	1.128321	-0.46523	0.641764	0.938786
hsa-miR-18a-5p	81	45	80	32	113	92	72.20428	-0.52266	0.801245	-0.65231	0.514204	0.938786
hsa-miR-28-3p	9386	7460	11921	8421	15428	9585	10223.45	-0.51927	0.646107	-0.8037	0.421572	0.938786
hsa-miR-324-3p	48	97	56	28	146	82	75.00206	-0.50364	0.881773	-0.57116	NA	NA
hsa-miR-99b-3p	1203	1184	1451	675	2907	1203	1371.787	-0.50363	0.732975	-0.6871	0.492019	0.938786
hsa-miR-627-3p	9	0	2	2	4	5	3.522191	-0.50212	1.770406	-0.28362	NA	NA
hsa-let-7g-5p	129255	170148	221493	92630	398599	163972	187867.8	-0.50125	0.75694	-0.66221	0.507837	0.938786
hsa-miR-652-3p	1261	774	918	1006	1691	720	1031.859	-0.49904	0.654387	-0.76261	0.445695	0.938786
hsa-miR-1307-3p	677	479	1115	362	1483	840	793.4633	-0.49805	0.769727	-0.64704	NA	NA
hsa-miR-3144-3p	0	0	49	0	2	43	16.79708	-0.49704	2.3158	-0.21463	NA	NA
hsa-miR-197-3p	307	568	448	523	608	408	487.4432	-0.49552	0.729096	-0.67963	0.496739	0.938786
hsa-miR-7705	9	5	16	0	4	25	10.40592	-0.4935	1.559273	-0.31649	NA	NA
hsa-miR-95-3p	2549	981	652	1078	3593	524	1423.711	-0.49259	0.885083	-0.55655	0.577838	0.938786
hsa-miR-195-3p	281	101	261	446	106	77	218.1075	-0.4864	0.980727	-0.49596	NA	NA
hsa-miR-15a-5p	632	326	473	341	963	379	492.6668	-0.48529	0.68988	-0.70344	NA	NA
hsa-miR-548at-3p	5	0	4	8	0	0	2.930197	-0.48328	2.531222	-0.19093	NA	NA
hsa-miR-1250-5p	8	46	12	2	104	2	25.64731	-0.47993	1.466831	-0.32719	NA	NA
hsa-miR-106b-5p	2261	1655	1637	675	2570	2881	1944.708	-0.47991	0.806657	-0.59494	0.551883	0.938786
hsa-miR-4286	50	73	63	77	111	34	67.19349	-0.47733	0.793809	-0.60131	0.547631	0.938786

hsa-miR-1180-3p	171	271	305	286	264	268	269.3255	-0.47647	0.740672	-0.64329	NA	NA
hsa-miR-3940-3p	23	11	14	15	27	12	16.39682	-0.47367	0.907923	-0.5217	0.601876	0.938786
hsa-miR-641	11	8	4	14	6	4	8.087837	-0.46958	1.215704	-0.38626	NA	NA
hsa-miR-6806-3p	14	13	7	26	4	4	12.08372	-0.46276	1.245064	-0.37168	NA	NA
hsa-miR-125b-1-3p	93	59	146	91	132	98	102.1383	-0.45972	0.734055	-0.62628	NA	NA
hsa-miR-125a-5p	5526	6182	8399	5080	12520	5870	7067.245	-0.45383	0.679892	-0.6675	0.504454	0.938786
hsa-miR-2276-3p	6	0	0	5	0	0	1.846055	-0.45275	3.302348	-0.1371	NA	NA
hsa-miR-3615	296	165	183	326	269	93	219.8583	-0.45176	0.789678	-0.57208	0.567271	0.938786
hsa-miR-744-5p	345	546	616	260	717	705	536.5801	-0.44583	0.782982	-0.5694	0.569087	0.938786
hsa-miR-548ar-5p	5	0	0	0	0	4	1.53316	-0.43732	3.458399	-0.12645	NA	NA
hsa-miR-140-3p	19986	8443	26694	29838	22279	5286	18423.71	-0.4355	0.88298	-0.49321	0.621862	0.938786
hsa-miR-484	270	413	563	92	943	474	439.0483	-0.43428	0.912384	-0.47598	NA	NA
hsa-miR-30c-2-3p	551	961	418	1481	462	94	699.6293	-0.42991	1.078385	-0.39866	NA	NA
hsa-miR-185-5p	1745	2391	2567	3743	2574	886	2354.973	-0.42227	0.824071	-0.51241	0.608361	0.938786
hsa-miR-144-5p	2060	715	1954	1380	3806	364	1557.13	-0.41658	0.895348	-0.46527	0.64174	0.938786
hsa-miR-190b	77	46	59	15	218	10	61.10812	-0.40944	1.11109	-0.3685	NA	NA
hsa-miR-30d-5p	198680	92530	185864	146857	305245	79535	158458	-0.40881	0.7238	-0.56482	0.572199	0.938786
hsa-miR-93-3p	9	36	16	21	27	21	22.54476	-0.40649	0.99286	-0.40941	NA	NA
hsa-let-7e-3p	49	48	105	37	130	61	68.62545	-0.40216	0.812401	-0.49503	0.620577	0.938786
hsa-miR-92b-5p	41	46	24	16	41	59	38.81072	-0.40214	0.919242	-0.43747	NA	NA
hsa-miR-425-3p	433	591	786	173	1281	651	625.0804	-0.39114	0.852157	-0.459	NA	NA
hsa-miR-3909	49	93	48	48	58	91	67.75269	-0.38673	0.860809	-0.44927	NA	NA
hsa-miR-92b-3p	2512	2656	1656	733	2263	3924	2357.974	-0.3865	0.880457	-0.43897	NA	NA
hsa-miR-1306-5p	10	9	6	4	16	8	8.504813	-0.38324	1.116712	-0.34319	0.731459	0.938786
hsa-miR-19b-3p	1257	664	1281	498	1369	1372	1056.232	-0.37767	0.751056	-0.50286	0.615065	0.938786
hsa-miR-3613-3p	9	6	6	7	10	5	7.021251	-0.37586	1.134556	-0.33128	0.74043	0.938786
hsa-miR-548av-3p	20	0	14	9	0	18	10.49971	-0.36837	1.811147	-0.20339	0.838831	0.992375
hsa-let-7i-3p	44	58	81	22	143	48	61.95539	-0.35049	0.876163	-0.40003	0.689136	0.938786
hsa-miR-6511a-3p	2	3	3	0	11	0	2.687985	-0.34607	2.191126	-0.15794	NA	NA
hsa-let-7a-5p	106119	84806	95548	89333	133110	72949	95387.88	-0.34507	0.631475	-0.54645	0.584754	0.938786
hsa-miR-4796-3p	4	0	0	0	0	3	1.181996	-0.33996	3.712451	-0.09157	NA	NA
hsa-miR-199a-5p	21823	14422	25533	2850	35228	26768	20263.91	-0.33866	0.9369	-0.36147	NA	NA
hsa-miR-3124-5p	2	4	0	3	4	0	2.139628	-0.33665	2.285631	-0.14729	0.882903	0.995744
hsa-miR-142-5p	2636	843	14488	6019	11684	1468	5736.041	-0.3294	1.111474	-0.29637	NA	NA
hsa-miR-147b	43	13	428	54	68	293	154.5385	-0.32636	1.295926	-0.25183	NA	NA

hsa-miR-378a-5p	67	18	38	38	93	3	38.50705	-0.3199	1.112206	-0.28762	0.773635	0.957393
hsa-miR-363-3p	1616	2429	1266	2639	1844	880	1823.432	-0.31742	0.812683	-0.39058	NA	NA
hsa-miR-769-5p	1661	870	1095	790	1423	1285	1168.436	-0.3139	0.681064	-0.4609	0.644868	0.938786
hsa-miR-21-5p	1015512	842669	1904675	218719	1555548	1905153	1228710	-0.31259	0.940518	-0.33236	0.73962	0.938786
hsa-miR-30b-5p	37090	19548	33790	17311	70039	13232	29075.32	-0.31083	0.781225	-0.39788	NA	NA
hsa-miR-2278	0	2	0	2	0	0	0.779549	-0.30588	3.963366	-0.07718	0.938483	0.99606
hsa-let-7i-5p	148774	203599	256416	80518	246192	277129	203250.6	-0.30025	0.800622	-0.37503	0.707641	0.938786
hsa-miR-193a-5p	191	236	153	289	207	77	194.6518	-0.29241	0.827897	-0.35319	0.723944	0.938786
hsa-miR-4429	8	2	2	5	4	2	3.720262	-0.29033	1.500795	-0.19345	NA	NA
hsa-miR-126-5p	2927	1412	3752	3561	2967	1080	2560.902	-0.28278	0.793727	-0.35626	0.721643	0.938786
hsa-miR-128-3p	2738	1742	3613	4561	1605	1005	2589.501	-0.28103	0.884387	-0.31777	NA	NA
hsa-miR-22-3p	6060	4545	9014	6122	10371	3353	6311.321	-0.27834	0.707221	-0.39357	NA	NA
hsa-miR-659-5p	56	20	45	71	13	17	37.87828	-0.27774	1.042764	-0.26635	NA	NA
hsa-miR-25-5p	5	17	7	2	34	2	10.05975	-0.27626	1.380254	-0.20015	NA	NA
hsa-miR-548e-3p	92	46	78	43	76	81	68.44321	-0.27566	0.761682	-0.36192	NA	NA
hsa-miR-3690	2	5	19	14	12	0	8.452751	-0.27551	1.575911	-0.17482	0.861218	0.995744
hsa-miR-6515-5p	0	3	7	6	4	0	3.346218	-0.2729	2.076901	-0.1314	0.895462	0.99606
hsa-miR-26b-5p	103938	53612	73923	43054	134027	56716	73145.9	-0.26556	0.688946	-0.38546	0.699895	0.938786
hsa-miR-548o-3p	697	130	685	709	203	313	458.9557	-0.25117	0.953877	-0.26332	0.792306	0.96231
hsa-miR-4742-3p	12	5	10	7	5	11	8.462423	-0.24899	1.147366	-0.21701	0.828198	0.987466
hsa-miR-24-3p	55154	23546	34721	34134	38759	29586	35274.6	-0.24722	0.674762	-0.36638	0.714082	0.938786
hsa-miR-10b-5p	10662	2096	4422	8509	4612	1495	5147.224	-0.23555	0.941227	-0.25025	NA	NA
hsa-miR-296-5p	0	2	4	0	3	3	1.98904	-0.23382	2.330536	-0.10033	0.920082	0.99606
hsa-miR-150-5p	1581	660	3005	1956	2976	241	1619.82	-0.23199	0.983417	-0.2359	NA	NA
hsa-miR-29c-5p	2861	617	1378	3186	587	101	1457.557	-0.22897	1.19053	-0.19232	NA	NA
hsa-miR-664b-5p	21	5	2	12	8	4	8.404011	-0.22474	1.295947	-0.17342	NA	NA
hsa-miR-19b-1-5p	20	2	3	4	8	9	7.28636	-0.21781	1.336595	-0.16296	NA	NA
hsa-miR-625-5p	32	16	17	3	60	9	20.04772	-0.21642	1.134925	-0.19069	NA	NA
hsa-miR-4536-3p	9	0	2	6	3	0	3.134284	-0.21416	2.128542	-0.10061	0.919859	0.99606
hsa-miR-3123	0	0	9	0	6	3	2.752934	-0.21415	2.551554	-0.08393	NA	NA
hsa-miR-6837-3p	3	2	0	4	0	0	1.595073	-0.20771	2.911234	-0.07135	NA	NA
hsa-let-7f-5p	285301	271785	255304	219465	385118	176338	258690.1	-0.20006	0.64741	-0.30901	0.757314	0.945667
hsa-miR-200b-5p	305	439	199	119	607	255	308.2421	-0.18795	0.830726	-0.22625	0.821009	0.980781
hsa-miR-548az-5p	21	12	24	21	10	16	17.62558	-0.18762	0.967202	-0.19399	0.846187	0.993629
hsa-miR-18b-5p	2	0	0	0	2	0	0.526272	-0.18577	4.035293	-0.04604	0.963281	0.99606

hsa-miR-3170	2	0	0	0	2	0	0.526272	-0.18577	4.035293	-0.04604	0.963281	0.99606
hsa-miR-23c	12	14	5	9	4	13	10.0665	-0.1813	1.181442	-0.15345	0.878041	0.995744
hsa-miR-490-5p	3	7	2	10	0	0	4.042766	-0.17683	2.100167	-0.0842	NA	NA
hsa-miR-103a-2-5p	34	14	23	9	46	14	21.32512	-0.16572	0.940661	-0.17618	0.860156	0.995744
hsa-miR-1266-5p	56	14	16	5	40	31	25.27627	-0.16381	1.061942	-0.15425	0.87741	0.995744
hsa-miR-548ap-3p	3	0	0	0	0	2	0.830832	-0.15986	3.945745	-0.04052	NA	NA
hsa-miR-218-5p	43549	7334	27658	50551	5597	1995	22869.36	-0.15958	1.222671	-0.13051	NA	NA
hsa-miR-103a-3p	48679	24555	51822	28411	59033	26564	37871.8	-0.15788	0.67164	-0.23507	0.814157	0.976359
hsa-miR-34a-3p	24	23	32	12	18	36	24.664	-0.15435	0.940007	-0.1642	NA	NA
hsa-miR-423-3p	2026	4490	4148	1483	4970	3724	3450.85	-0.1536	0.804319	-0.19097	0.848552	0.994522
hsa-miR-183-5p	20473	18900	25415	4238	25858	27826	20128.8	-0.15031	0.873291	-0.17212	0.863343	0.995744
hsa-miR-361-5p	1009	720	1347	743	1270	740	942.143	-0.14975	0.658836	-0.2273	0.820189	0.980781
hsa-miR-7641	517	300	195	499	93	189	308.4305	-0.14289	0.954762	-0.14966	0.881035	0.995744
hsa-miR-3942-5p	0	4	2	3	0	2	2.073226	-0.14046	2.361229	-0.05949	0.952564	0.99606
hsa-miR-877-5p	180	103	53	149	92	41	102.2041	-0.13729	0.890602	-0.15415	NA	NA
hsa-miR-6833-3p	7	8	5	0	24	0	6.238377	-0.13503	1.882835	-0.07171	NA	NA
hsa-miR-199b-5p	43647	20366	21794	7531	52768	21248	25715.42	-0.13403	0.823579	-0.16275	0.870718	0.995744
hsa-miR-3174	5	7	2	7	3	2	4.503971	-0.12716	1.453237	-0.0875	0.930275	0.99606
hsa-miR-1301-3p	69	106	185	66	200	77	111.9066	-0.12126	0.80306	-0.151	0.879976	0.995744
hsa-miR-3150a-5p	3	0	0	2	0	0	0.815525	-0.11537	3.949316	-0.02921	NA	NA
hsa-miR-5698	3	0	0	2	0	0	0.815525	-0.11537	3.949316	-0.02921	NA	NA
hsa-miR-548aj-3p	13	0	10	2	7	9	6.465999	-0.11251	1.558656	-0.07219	0.942454	0.99606
hsa-miR-146a-5p	33169	28661	49497	31897	72621	4352	33899.53	-0.11146	0.942906	-0.11821	0.905905	0.99606
hsa-miR-5001-3p	2	13	7	0	24	2	7.198832	-0.09638	1.66877	-0.05775	NA	NA
hsa-miR-210-3p	3228	3562	13170	1241	6497	8784	6003.622	-0.09186	0.994337	-0.09239	0.926392	0.99606
hsa-miR-22-5p	377	280	566	506	366	138	366.496	-0.0871	0.8076	-0.10785	NA	NA
hsa-miR-320b	1551	737	603	1170	844	326	851.4577	-0.0815	0.821626	-0.09919	NA	NA
hsa-miR-331-5p	75	92	107	66	100	70	84.14034	-0.08064	0.717791	-0.11235	0.910549	0.99606
hsa-miR-4781-3p	4	0	2	4	0	0	1.657855	-0.07329	2.869797	-0.02554	0.979625	0.99606
hsa-miR-454-5p	4	17	8	6	16	6	9.400441	-0.07053	1.176079	-0.05997	0.952176	0.99606
hsa-miR-361-3p	9763	7114	20448	11841	14035	5441	11046.54	-0.06461	0.76776	-0.08415	0.932935	0.99606
hsa-miR-2355-5p	13	0	6	0	0	12	5.193915	-0.06315	2.326974	-0.02714	0.97835	0.99606
hsa-miR-3136-5p	0	0	2	0	2	0	0.553078	-0.06256	4.023396	-0.01555	0.987595	0.99606
hsa-miR-4522	0	0	2	0	2	0	0.553078	-0.06256	4.023396	-0.01555	0.987595	0.99606
hsa-miR-31-5p	101	652	42	24	991	0	271.4683	-0.06154	1.756476	-0.03504	NA	NA

hsa-miR-199a-3p	61112	45698	45891	20649	77090	38054	45643.5	-0.0594	0.706552	-0.08408	0.932995	0.99606
hsa-miR-199b-3p	61112	45698	45891	20649	77090	38054	45643.5	-0.0594	0.706552	-0.08408	0.932995	0.99606
hsa-miR-143-3p	750465	404141	465240	447840	663563	251103	474625.4	-0.05135	0.680833	-0.07542	0.939883	0.99606
hsa-miR-6134	2	0	2	0	4	0	1.07935	-0.03817	3.192981	-0.01195	NA	NA
hsa-miR-548ay-3p	8	2	2	4	0	4	3.412048	-0.03618	1.809669	-0.01999	NA	NA
hsa-miR-26a-5p	659206	493550	582985	424411	820983	258783	513099.3	-0.03208	0.674172	-0.04758	0.96205	0.99606
hsa-miR-3179	0	0	3	0	0	2	0.871041	-0.03065	3.937183	-0.00778	NA	NA
hsa-miR-491-3p	2	0	3	2	2	0	1.382005	-0.02783	2.556447	-0.01089	0.991314	0.99606
hsa-miR-590-3p	600	197	191	113	231	386	279.9785	-0.02694	0.877071	-0.03072	NA	NA
hsa-miR-421	123	153	183	65	169	147	137.9737	-0.02002	0.757097	-0.02645	0.978901	0.99606
hsa-miR-1296-5p	56	45	66	43	67	29	49.14941	-0.01879	0.746394	-0.02517	0.979917	0.99606
hsa-miR-548ae-3p	13	2	0	5	4	2	4.078968	-0.01131	1.761931	-0.00642	NA	NA
hsa-miR-221-3p	7912	5402	7765	6661	5169	4289	6145.788	-0.0095	0.686787	-0.01383	0.988963	0.99606
hsa-miR-708-3p	821	179	287	153	738	207	355.8576	-0.00718	0.869053	-0.00826	NA	NA
hsa-miR-125b-5p	11876	8583	8719	10694	8122	3959	8537.705	-0.00364	0.735499	-0.00495	NA	NA
hsa-miR-548n	69	37	18	10	10	65	35.85682	4.65E-05	1.141345	4.08E-05	NA	NA
hsa-miR-155-5p	2517	1735	10742	3579	7663	1527	4292.226	0.006591	0.943549	0.006985	NA	NA
hsa-miR-1307-5p	67	69	57	5	69	82	57.38024	0.006731	1.048481	0.006419	0.994878	0.99606
hsa-miR-6894-3p	2	2	5	0	0	6	2.65204	0.008119	2.236892	0.00363	NA	NA
hsa-miR-6761-5p	6	2	5	4	7	0	3.632544	0.008303	1.681628	0.004938	0.99606	0.99606
hsa-miR-943	2	3	4	5	2	0	2.693236	0.01091	1.875868	0.005816	0.99536	0.99606
hsa-miR-582-3p	705	642	1068	920	787	212	705.3182	0.013879	0.814592	0.017038	0.986406	0.99606
hsa-miR-17-3p	35	6	53	5	37	31	26.0262	0.014178	1.113442	0.012734	0.98984	0.99606
hsa-miR-132-5p	768	166	619	606	295	195	428.972	0.014905	0.886709	0.016809	NA	NA
hsa-miR-6514-3p	4	2	0	2	0	2	1.738885	0.015459	2.447586	0.006316	0.994961	0.99606
hsa-miR-454-3p	1063	1283	1050	775	1237	768	1014.002	0.015994	0.664935	0.024053	0.98081	0.99606
hsa-miR-339-5p	612	800	632	141	863	708	612.2909	0.018644	0.855438	0.021794	0.982612	0.99606
hsa-miR-4664-3p	24	46	34	22	16	40	31.73892	0.01868	0.947779	0.019709	0.984275	0.99606
hsa-miR-135b-3p	102	118	115	0	109	156	99.45922	0.018702	1.391686	0.013438	0.989278	0.99606
hsa-miR-1287-5p	114	247	97	56	267	101	142.0579	0.019731	0.876092	0.022522	0.982031	0.99606
hsa-miR-505-3p	233	114	175	91	226	106	148.2931	0.020911	0.699125	0.029911	0.976138	0.99606
hsa-miR-330-3p	207	243	202	209	178	122	193.7995	0.025125	0.724217	0.034692	NA	NA
hsa-miR-4647	4	2	0	4	0	0	1.723578	0.0285	2.851555	0.009995	NA	NA
hsa-let-7a-3p	954	659	961	478	817	692	740.9858	0.028545	0.659447	0.043287	0.965473	0.99606
hsa-miR-130b-3p	111	126	153	59	154	104	114.5719	0.034855	0.729969	0.047748	0.961917	0.99606

hsa-miR-181b-2-3p	15	2	7	4	17	0	6.419215	0.037247	1.579774	0.023578	0.981189	0.99606
hsa-miR-625-3p	307	138	507	84	602	145	266.9103	0.043469	0.894087	0.048619	NA	NA
hsa-miR-3149	7	0	0	0	0	4	1.790169	0.045992	3.331871	0.013804	NA	NA
hsa-miR-3177-3p	7	0	0	0	0	4	1.790169	0.045992	3.331871	0.013804	NA	NA
hsa-miR-224-5p	3079	1903	1836	1082	330	3048	1944.522	0.049229	1.004168	0.049025	0.9609	0.99606
hsa-miR-320c	467	223	68	247	154	140	213.6467	0.049795	0.915008	0.054421	0.9566	0.99606
hsa-miR-619-5p	13	4	2	8	0	4	5.26413	0.050935	1.682759	0.030268	0.975853	0.99606
hsa-miR-4446-3p	7	15	10	8	14	5	9.658319	0.051028	1.09125	0.046761	0.962703	0.99606
hsa-miR-2355-3p	86	12	36	7	39	49	35.92325	0.052106	1.070181	0.048689	0.961167	0.99606
hsa-miR-365a-3p	358	316	588	143	271	498	362.7884	0.052764	0.835358	0.063163	NA	NA
hsa-miR-365b-3p	358	316	588	143	271	498	362.7884	0.052764	0.835358	0.063163	NA	NA
hsa-miR-511-5p	700	104	1112	1142	66	8	522.1334	0.054093	1.452584	0.037239	NA	NA
hsa-miR-195-5p	10198	2339	4005	6423	3779	1407	4490.647	0.054397	0.900015	0.060441	NA	NA
hsa-miR-1976	31	45	27	26	50	12	30.67337	0.055958	0.884272	0.063282	0.949542	0.99606
hsa-miR-1275	4	0	3	3	2	0	1.85402	0.056404	2.350918	0.023992	0.980859	0.99606
hsa-miR-143-5p	3291	1545	2271	669	3294	1736	1989.049	0.059919	0.766715	0.07815	NA	NA
hsa-miR-548k	201	98	59	12	115	139	100.3416	0.067312	1.02725	0.065526	0.947755	0.99606
hsa-miR-24-1-5p	488	58	301	312	166	94	225.9214	0.067603	0.956892	0.070648	0.943678	0.99606
hsa-miR-374b-5p	4775	5130	8947	3023	9929	2988	5431.842	0.06783	0.744777	0.091074	0.927434	0.99606
hsa-miR-135a-5p	528	146	55	117	490	22	197.1951	0.074183	1.132392	0.06551	0.947768	0.99606
hsa-miR-4775	0	8	2	0	5	4	3.24576	0.083066	2.127719	0.03904	NA	NA
hsa-miR-181c-3p	252	222	191	46	268	210	191.0161	0.083476	0.839697	0.099412	0.920812	0.99606
hsa-miR-222-5p	4	5	5	8	2	0	4.086706	0.086669	1.707759	0.05075	NA	NA
hsa-miR-3667-3p	9	0	7	5	7	0	4.16734	0.091522	1.936082	0.047272	NA	NA
hsa-miR-1273c	3	3	0	4	0	0	1.769842	0.097424	2.827646	0.034454	NA	NA
hsa-miR-200b-3p	73806	93442	57377	17504	124693	49888	65616.46	0.101097	0.835031	0.12107	0.903636	0.99606
hsa-miR-6737-3p	11	2	2	7	0	2	3.997259	0.103914	1.813512	0.0573	0.954306	0.99606
hsa-miR-1278	49	33	18	31	14	23	28.2896	0.104359	0.940614	0.110947	0.911658	0.99606
hsa-miR-29a-5p	102	20	63	44	27	48	49.32594	0.110154	0.915066	0.120379	0.904183	0.99606
hsa-let-7c-5p	13879	16693	7178	17007	9578	1566	11014.32	0.111326	0.988179	0.112658	0.910302	0.99606
hsa-miR-664a-3p	326	253	344	156	413	160	259.6943	0.111914	0.683808	0.163663	0.869996	0.995744
hsa-miR-320e	2	0	3	3	0	0	1.327748	0.118193	3.040134	0.038878	NA	NA
hsa-miR-181a-2-3p	1111	1002	1432	868	1460	434	1000.919	0.118853	0.704065	0.16881	NA	NA
hsa-miR-503-5p	124	110	262	50	139	166	138.7644	0.123853	0.84376	0.146787	0.8833	0.995744
hsa-miR-548w	14	0	7	12	0	0	5.37248	0.130959	2.308204	0.056736	0.954755	0.99606

hsa-miR-99a-5p	388955	141375	156093	358991	71047	7237	185202.7	0.132207	1.21098	0.109174	NA	NA
hsa-miR-150-3p	17	0	15	14	7	0	8.265684	0.134026	1.809547	0.074066	0.940958	0.99606
hsa-miR-1271-5p	52	61	42	40	65	17	44.43972	0.135844	0.827294	0.164203	NA	NA
hsa-miR-4326	57	101	48	19	117	40	60.53132	0.138825	0.906334	0.153172	0.878262	0.995744
hsa-miR-1468-5p	7	13	7	15	4	0	7.928486	0.14965	1.532709	0.097637	NA	NA
hsa-miR-182-3p	0	11	4	0	5	7	4.721859	0.14977	1.984156	0.075483	0.93983	0.99606
hsa-miR-183-3p	12	4	12	5	4	9	7.561505	0.150071	1.204833	0.124557	0.900874	0.99606
hsa-miR-145-3p	4801	2109	3839	3577	3248	724	2897.883	0.162241	0.829586	0.195569	0.844948	0.993629
hsa-miR-28-5p	2217	1179	1694	1058	1978	704	1381.867	0.168825	0.673717	0.250588	0.802133	0.965675
hsa-miR-24-2-5p	1698	427	2060	1869	414	278	1104.638	0.171995	1.033283	0.166455	NA	NA
hsa-miR-365a-5p	263	15	209	138	29	113	124.8124	0.172549	1.128778	0.152863	NA	NA
hsa-miR-548ba	17	8	5	10	9	2	8.09932	0.175235	1.217118	0.143975	0.88552	0.995744
hsa-miR-328-3p	407	400	446	306	614	70	349.5411	0.176466	0.849068	0.207835	NA	NA
hsa-miR-138-5p	94	8	86	64	63	2	48.36906	0.179531	1.250006	0.143624	0.885797	0.995744
hsa-miR-23a-5p	3	0	4	4	0	0	1.813165	0.180272	2.793042	0.064543	NA	NA
hsa-miR-937-3p	20	18	0	2	11	14	10.74412	0.185122	1.531442	0.120881	0.903785	0.99606
hsa-miR-3607-3p	13	0	2	0	3	6	3.694223	0.18934	2.093561	0.090439	NA	NA
hsa-miR-556-3p	21	2	3	3	0	11	6.568122	0.195264	1.716178	0.113778	NA	NA
hsa-miR-146b-5p	47379	24200	136359	52070	72950	21932	55568.23	0.195958	0.875843	0.223737	NA	NA
hsa-miR-4639-5p	0	2	0	0	2	0	0.618801	0.200325	4.001022	0.050068	0.960068	0.99606
hsa-miR-887-5p	0	2	0	0	2	0	0.618801	0.200325	4.001022	0.050068	0.960068	0.99606
hsa-miR-3613-5p	331	128	222	68	186	198	180.1572	0.204059	0.791337	0.257866	0.79651	0.964524
hsa-miR-191-3p	0	4	6	5	2	0	2.89481	0.206768	2.160477	0.095705	0.923755	0.99606
hsa-miR-222-3p	2119	1825	2696	1744	1472	1204	1815.065	0.211286	0.685925	0.308031	0.758058	0.945667
hsa-miR-7974	0	3	4	0	2	3	2.029177	0.218227	2.328825	0.093707	0.925342	0.99606
hsa-miR-6866-5p	15	9	9	16	5	0	8.890898	0.224329	1.46556	0.153067	NA	NA
hsa-miR-29a-3p	49514	14800	49314	9294	37390	28850	29403.22	0.245084	0.822094	0.298122	0.76561	0.951259
hsa-miR-30c-5p	21560	23507	25420	19180	19259	9208	19253.05	0.258336	0.697964	0.370129	NA	NA
hsa-miR-33a-3p	73	34	52	15	55	37	41.57036	0.266353	0.828035	0.321669	0.747704	0.942992
hsa-miR-16-1-3p	5	3	14	3	8	4	5.766237	0.267184	1.303167	0.205027	NA	NA
hsa-miR-148b-3p	32262	45506	55386	6401	64040	29473	36519.01	0.26925	0.886682	0.30366	0.761387	0.947912
hsa-miR-196b-5p	8	297	5	4	145	108	98.07269	0.270355	1.547592	0.174694	NA	NA
hsa-miR-181d-5p	1305	728	1243	304	678	1051	861.9776	0.271093	0.798555	0.33948	NA	NA
hsa-miR-378a-3p	28731	4008	13961	15700	11433	1637	11653.02	0.27179	1.019598	0.266566	0.789804	0.96231
hsa-miR-3117-3p	29	9	13	4	24	8	13.0168	0.27199	1.069576	0.254297	0.799266	0.965675

hsa-miR-21-3p	2235	942	6712	207	3489	2896	2563.379	0.276923	1.099824	0.251789	NA	NA
hsa-miR-532-5p	6944	8080	6468	4743	7331	2883	5871.005	0.282787	0.684847	0.41292	0.679665	0.938786
hsa-miR-5193	2	5	3	6	0	0	2.846608	0.287125	2.189153	0.131158	NA	NA
hsa-miR-216b-5p	0	6	0	4	0	0	1.908634	0.287643	3.301879	0.087115	NA	NA
hsa-miR-5582-3p	6	0	0	3	0	0	1.416043	0.288389	3.533316	0.08162	NA	NA
hsa-miR-3620-3p	0	8	2	2	2	3	3.049217	0.292237	1.907218	0.153227	NA	NA
hsa-miR-939-5p	4	0	0	2	0	0	0.944029	0.295195	3.924531	0.075218	NA	NA
hsa-miR-186-5p	8095	13834	10569	4287	12541	6355	8982.955	0.300626	0.733096	0.410078	0.681749	0.938786
hsa-miR-548f-3p	185	52	169	124	38	65	103.0932	0.301167	0.916433	0.32863	0.742436	0.939408
hsa-miR-30e-3p	8361	5886	7165	6106	4810	2499	5636.707	0.309906	0.717235	0.432085	NA	NA
hsa-miR-598-3p	153	80	149	117	116	15	98.89966	0.312426	0.921401	0.339077	0.734552	0.938786
hsa-miR-151a-5p	2727	3303	1064	1785	2467	684	1946.902	0.313029	0.833712	0.375464	0.707315	0.938786
hsa-miR-338-5p	1272	514	696	614	1065	31	634.3547	0.318339	1.06067	0.30013	NA	NA
hsa-miR-491-5p	11	26	2	0	33	2	11.12951	0.326394	1.655277	0.197184	NA	NA
hsa-miR-200a-3p	48278	64937	41229	4619	80272	30614	42020.34	0.330121	0.963976	0.342457	0.732007	0.938786
hsa-miR-339-3p	621	460	424	173	547	289	395.5515	0.330472	0.701359	0.471189	NA	NA
hsa-miR-1-3p	23737	8524	5560	13565	8272	834	9544.963	0.338039	1.06014	0.318862	0.749831	0.942992
hsa-miR-548bb-5p	4	0	2	3	0	0	1.442849	0.346158	2.968121	0.116625	0.907157	0.99606
hsa-miR-590-5p	10	2	2	2	0	5	3.461704	0.357872	1.84008	0.194487	0.845795	0.993629
hsa-miR-7-1-3p	361	74	254	87	246	99	169.2356	0.368191	0.815505	0.451488	0.651638	0.938786
hsa-miR-6502-5p	3	0	3	3	0	0	1.456252	0.368471	2.95115	0.124857	NA	NA
hsa-miR-3157-3p	4	0	6	5	0	0	2.440489	0.37291	2.606173	0.143087	0.886221	0.995744
hsa-miR-581	17	2	2	9	2	0	5.02224	0.375644	1.78074	0.210948	NA	NA
hsa-miR-193a-3p	2	2	17	5	6	2	5.347106	0.37585	1.474703	0.254865	NA	NA
hsa-miR-185-3p	37	44	69	33	50	14	39.18008	0.388248	0.843155	0.46047	0.645179	0.938786
hsa-miR-374a-5p	4761	2676	5583	2435	3833	1729	3296.318	0.393868	0.671957	0.586151	0.557774	0.938786
hsa-miR-330-5p	277	153	196	126	190	70	158.406	0.40088	0.704762	0.568816	0.569481	0.938786
hsa-miR-589-5p	259	467	224	187	345	109	257.6106	0.401918	0.789066	0.509359	NA	NA
hsa-miR-629-3p	4	4	2	0	8	0	2.573959	0.409445	2.169674	0.188713	NA	NA
hsa-miR-6874-3p	2	2	5	2	4	0	2.28462	0.410407	1.926338	0.21305	0.831288	0.988059
hsa-miR-769-3p	37	22	25	5	25	21	21.26392	0.41366	0.954542	0.43336	0.664754	0.938786
hsa-miR-3200-5p	5	0	2	0	5	0	1.599494	0.41594	2.855392	0.145668	0.884183	0.995744
hsa-miR-4677-3p	68	75	61	42	43	36	53.33742	0.41934	0.758201	0.553072	0.580214	0.938786
hsa-miR-3173-5p	5	3	8	0	6	4	4.000513	0.42833	1.629528	0.262855	0.792662	0.96231
hsa-miR-181b-5p	7022	6301	8118	2912	5852	4166	5497.138	0.430428	0.653292	0.658859	0.509986	0.938786

hsa-miR-133a-5p	8	5	0	4	4	0	3.300427	0.435909	2.053385	0.212288	0.831882	0.988059
hsa-let-7g-3p	20	11	34	10	23	7	16.12259	0.445976	0.974121	0.457824	NA	NA
hsa-miR-5010-3p	171	98	103	97	71	40	93.03878	0.452017	0.777781	0.581162	NA	NA
hsa-miR-27a-3p	77767	45679	43579	17690	42907	35860	41725.49	0.459995	0.706008	0.651543	0.514696	0.938786
hsa-miR-326	262	131	253	84	169	118	159.5524	0.463303	0.697497	0.664237	0.506538	0.938786
hsa-miR-146b-3p	2334	705	5725	2480	1851	497	2128.639	0.468357	0.981932	0.476975	0.63338	0.938786
hsa-miR-1827	40	10	9	6	24	6	14.02217	0.468929	1.097853	0.427133	NA	NA
hsa-miR-26a-1-3p	9	5	9	8	5	0	5.700751	0.47082	1.507199	0.312381	0.754751	0.945667
hsa-miR-151b	2676	3254	808	1464	2216	567	1766.596	0.474288	0.871848	0.544004	0.586439	0.938786
hsa-miR-642a-5p	29	39	25	13	47	4	24.10368	0.475948	1.026577	0.463627	0.642915	0.938786
hsa-miR-30d-3p	673	238	463	318	384	85	332.7778	0.479334	0.814832	0.588261	0.556357	0.938786
hsa-miR-214-5p	993	342	944	594	376	234	551.7733	0.480213	0.799305	0.600789	NA	NA
hsa-miR-3617-5p	13	8	109	24	29	19	31.83158	0.481856	1.140712	0.422417	NA	NA
hsa-miR-422a	144	21	73	79	40	4	55.79534	0.486631	1.149745	0.423252	0.672112	0.938786
hsa-miR-660-3p	17	12	13	8	16	2	10.44606	0.487618	1.103018	0.442076	0.658434	0.938786
hsa-miR-3687	65	9	30	30	8	12	24.38205	0.488363	1.092583	0.44698	0.65489	0.938786
hsa-miR-29b-3p	7760	1693	6756	1359	5021	2821	3848.103	0.496341	0.822121	0.603732	NA	NA
hsa-miR-181a-5p	32572	31948	35527	10850	31287	17519	25256.49	0.503705	0.678557	0.742319	NA	NA
hsa-miR-331-3p	378	861	391	388	348	221	434.0179	0.503931	0.810402	0.621827	NA	NA
hsa-miR-548aq-3p	84	17	45	21	23	30	34.44269	0.504222	0.908547	0.554976	0.578911	0.938786
hsa-miR-548ab	65	37	10	10	10	36	27.75041	0.504866	1.11202	0.454008	NA	NA
hsa-miR-221-5p	2215	1660	2428	1881	1039	453	1564.476	0.510969	0.816378	0.625898	NA	NA
hsa-miR-760	12	23	9	10	8	7	11.62462	0.516702	1.077333	0.479612	NA	NA
hsa-miR-652-5p	49	13	17	5	8	25	18.6997	0.523506	1.115799	0.469176	NA	NA
hsa-miR-4703-3p	5	0	4	4	0	0	2.070173	0.526011	2.694115	0.195244	NA	NA
hsa-miR-483-3p	0	10	5	6	3	0	4.151151	0.530717	2.02372	0.262248	0.79313	0.96231
hsa-miR-206	310	85	10	172	9	2	94.74872	0.540063	1.521614	0.354928	0.722644	0.938786
hsa-miR-31-3p	8	82	6	0	82	0	27.2503	0.543893	1.926542	0.282315	NA	NA
hsa-miR-30c-1-3p	54	67	83	44	53	19	51.25328	0.545211	0.801257	0.680444	0.496223	0.938786
hsa-miR-499a-5p	352	81	208	162	131	38	149.8352	0.546114	0.887791	0.615138	0.538464	0.938786
hsa-miR-340-3p	563	241	279	312	151	80	259.2832	0.551004	0.855894	0.643775	NA	NA
hsa-miR-642b-3p	7	2	0	4	0	0	2.10909	0.566376	2.721753	0.208092	0.835157	0.990052
hsa-let-7f-2-3p	298	198	295	20	260	170	191.9175	0.572087	0.93801	0.609895	NA	NA
hsa-miR-500a-3p	1417	1315	1029	684	1223	281	932.2195	0.575616	0.745511	0.772109	0.44005	0.938786
hsa-miR-141-3p	6817	3954	9742	745	8294	3098	4916.122	0.584698	0.897923	0.651167	0.514939	0.938786

hsa-miR-5705	4	9	56	0	39	6	16.62033	0.593605	1.555915	0.381515	NA	NA
hsa-miR-628-5p	88	119	59	33	105	23	66.83104	0.612422	0.852018	0.71879	0.47227	0.938786
hsa-miR-19a-3p	568	208	551	217	224	206	310.2148	0.61322	0.729953	0.840082	NA	NA
hsa-miR-378e	245	28	235	83	178	15	114.8751	0.625629	1.054635	0.593218	NA	NA
hsa-miR-3928-3p	5	5	0	0	7	0	2.458786	0.63108	2.564972	0.246038	NA	NA
hsa-miR-96-5p	8629	3036	11164	766	3465	6458	5292.841	0.639748	0.972441	0.657878	0.510616	0.938786
hsa-miR-4796-5p	3	0	2	0	0	2	1.114646	0.643535	3.193925	0.201487	0.840318	0.992375
hsa-miR-3664-5p	12	0	0	0	4	2	2.525897	0.645663	2.622047	0.246244	NA	NA
hsa-miR-184	411	40	57	195	9	0	111.0325	0.655904	1.655643	0.396163	NA	NA
hsa-miR-181a-3p	1426	2193	1777	990	1115	700	1337.515	0.658027	0.703524	0.935331	0.349618	0.938786
hsa-miR-34a-5p	12477	4192	8547	2065	5043	5003	5785.758	0.665887	0.760305	0.875816	0.38113	0.938786
hsa-miR-6774-3p	3	0	2	0	3	0	1.073222	0.667183	3.188741	0.209231	NA	NA
hsa-miR-877-3p	12	27	5	0	11	13	11.34586	0.667757	1.459241	0.457606	0.647236	0.938786
hsa-miR-374a-3p	4034	2250	2907	1015	1566	1813	2156.885	0.669237	0.697824	0.959033	NA	NA
hsa-miR-378g	144	18	63	63	42	0	49.79049	0.673219	1.39639	0.482114	0.629725	0.938786
hsa-miR-4664-5p	2	5	0	0	5	0	1.80401	0.677899	2.796113	0.242443	0.808437	0.971377
hsa-miR-133a-3p	361	256	185	103	321	34	190.3164	0.684144	0.878838	0.778464	0.436295	0.938786
hsa-miR-548a1	6	2	22	4	2	7	6.930424	0.686291	1.407888	0.487461	NA	NA
hsa-miR-130b-5p	64	330	166	52	177	92	144.9493	0.686828	0.931813	0.737087	0.461069	0.938786
hsa-miR-424-5p	689	377	559	24	334	426	378.7334	0.68936	1.020595	0.67545	0.49939	0.938786
hsa-miR-152-5p	18	32	51	11	33	11	24.4001	0.699308	0.932433	0.749982	0.453266	0.938786
hsa-miR-98-3p	57	61	99	23	32	47	51.75278	0.704436	0.828978	0.849765	0.395456	0.938786
hsa-miR-98-5p	8562	9851	9809	2546	8200	4183	6796.635	0.70618	0.700699	1.007821	0.31354	0.938786
hsa-miR-4423-3p	38	4	5	18	0	0	10.16188	0.715044	1.906368	0.375082	NA	NA
hsa-miR-362-5p	420	262	247	118	221	120	216.6556	0.719681	0.675224	1.065839	0.286496	0.938786
hsa-miR-502-3p	1452	1087	803	536	1028	194	787.3535	0.724178	0.780837	0.927438	NA	NA
hsa-miR-128-1-5p	6	6	2	0	9	0	3.315136	0.731464	2.054175	0.356087	NA	NA
hsa-miR-181c-5p	258	137	205	53	158	86	138.0042	0.733108	0.716609	1.023024	0.306297	0.938786
hsa-miR-500a-5p	142	108	116	42	91	48	85.55322	0.743458	0.699685	1.06256	0.287982	0.938786
hsa-miR-187-3p	165	72	103	56	113	7	77.2153	0.745044	0.975002	0.764145	NA	NA
hsa-miR-501-3p	276	376	240	73	305	105	215.3752	0.752726	0.783059	0.961263	NA	NA
hsa-miR-6511b-3p	0	11	6	3	4	2	4.40276	0.755151	1.716285	0.439992	0.659943	0.938786
hsa-miR-101-3p	91351	47093	92969	30083	64102	19754	52658.93	0.766318	0.698037	1.097818	0.272284	0.938786
hsa-miR-660-5p	2378	1780	1804	324	2180	668	1384.567	0.769224	0.800577	0.960837	0.336634	0.938786
hsa-miR-190a-5p	266	74	75	16	77	89	91.38148	0.782122	0.959029	0.815535	0.414766	0.938786

hsa-miR-671-3p	66	166	46	53	71	20	69.42793	0.789704	0.935741	0.843934	NA	NA
hsa-miR-6868-3p	22	11	7	7	7	4	9.080998	0.789767	1.117399	0.70679	0.479697	0.938786
hsa-miR-548i	38	7	15	3	30	0	12.91912	0.791477	1.466579	0.539675	NA	NA
hsa-miR-627-5p	12	3	3	0	7	2	3.879819	0.812363	1.701962	0.47731	0.633142	0.938786
hsa-miR-34c-3p	442	97	171	215	71	0	153.8026	0.813939	1.459234	0.557785	NA	NA
hsa-miR-513a-5p	2	0	6	3	0	0	1.753469	0.816399	2.833681	0.288105	0.773266	0.957393
hsa-miR-3934-5p	123	73	63	47	56	16	58.71148	0.821468	0.818647	1.003445	0.315646	0.938786
hsa-miR-29c-3p	2232	1069	1721	298	1844	419	1123.498	0.823096	0.814762	1.010229	NA	NA
hsa-miR-532-3p	213	256	160	76	182	55	147.907	0.833949	0.754386	1.105467	0.268957	0.938786
hsa-miR-4772-5p	0	2	3	0	0	2	1.220578	0.837164	3.131024	0.267377	0.789179	0.96231
hsa-miR-3912-3p	31	14	15	0	14	13	13.33842	0.839912	1.319002	0.636778	0.524269	0.938786
hsa-miR-577	22	19	7	0	29	0	11.04536	0.843081	1.754515	0.480521	NA	NA
hsa-miR-130a-3p	1849	668	2136	925	703	320	1022.241	0.850095	0.805527	1.055327	0.291276	0.938786
hsa-miR-664b-3p	71	20	54	25	32	7	31.52413	0.850384	0.930032	0.914359	0.360528	0.938786
hsa-miR-200a-5p	8817	5278	6412	1699	5119	2614	4601.865	0.857538	0.679514	1.261986	NA	NA
hsa-miR-1273g-3p	26	12	31	13	13	4	15.27338	0.857957	1.002463	0.85585	0.392081	0.938786
hsa-miR-551b-5p	2	3	0	0	3	0	1.185209	0.86551	3.118189	0.277568	0.781344	0.962029
hsa-miR-589-3p	2	14	4	3	5	2	5.034891	0.868991	1.464863	0.593223	NA	NA
hsa-miR-676-3p	8	10	11	0	17	0	6.625437	0.877173	1.79061	0.489874	NA	NA
hsa-miR-3196	0	2	3	2	0	0	1.20527	0.878363	3.139789	0.279752	0.779667	0.962029
hsa-miR-5708	6	0	0	2	0	0	1.201037	0.879005	3.706122	0.237177	NA	NA
hsa-miR-299-3p	4	44	0	5	2	14	12.66536	0.884133	1.713311	0.516038	NA	NA
hsa-miR-505-5p	13	2	3	5	2	0	3.790106	0.884198	1.770555	0.49939	NA	NA
hsa-miR-1298-5p	16	18	25	16	5	3	13.53081	0.884543	1.124851	0.786365	NA	NA
hsa-miR-203b-5p	6	0	0	0	3	0	1.174921	0.887989	3.696366	0.240233	NA	NA
hsa-miR-6720-3p	16	6	3	9	0	0	5.465452	0.889904	1.936057	0.459647	NA	NA
hsa-miR-452-5p	4211	1562	2193	1527	417	978	1727.538	0.902272	0.876632	1.029249	0.303363	0.938786
hsa-miR-429	6962	9758	5024	771	6018	3562	5082.076	0.905061	0.881316	1.026943	NA	NA
hsa-miR-345-5p	783	712	420	163	417	273	436.6284	0.905088	0.725242	1.247982	0.212038	0.938786
hsa-miR-27a-5p	128	328	1372	303	453	76	411.5262	0.907825	1.048776	0.865604	0.386707	0.938786
hsa-miR-502-5p	25	18	14	14	10	0	12.70154	0.937116	1.323803	0.707897	0.479009	0.938786
hsa-miR-95-5p	7	2	0	0	0	3	1.917046	0.944861	2.779963	0.339883	0.733945	0.938786
hsa-miR-1287-3p	8	5	2	2	5	0	3.288861	0.945401	1.746047	0.541452	0.588196	0.938786
hsa-miR-125b-2-3p	544	830	311	239	524	55	393.277	0.948201	0.926051	1.023918	0.305874	0.938786
hsa-miR-200c-5p	69	42	37	16	35	13	32.50441	0.951841	0.818697	1.162629	0.24498	0.938786

hsa-miR-34b-3p	2908	204	567	1037	218	0	742.1152	0.957203	1.661591	0.576076	NA	NA
hsa-miR-5683	3	0	3	2	0	0	1.241246	0.96242	3.084977	0.31197	0.755063	0.945667
hsa-miR-934	21	19	75	18	0	21	25.20818	0.97392	1.397271	0.697016	NA	NA
hsa-miR-548ap-5p	8	2	0	2	2	0	2.076846	0.975307	2.339009	0.416975	0.676697	0.938786
hsa-miR-497-5p	1949	380	938	327	729	259	676.0979	0.992574	0.802035	1.237569	0.215876	0.938786
hsa-miR-378f	137	10	43	42	28	0	38.2547	0.993516	1.426174	0.696631	0.486034	0.938786
hsa-miR-504-5p	818	210	203	223	222	34	256.03	0.998487	0.964161	1.035601	0.300388	0.938786
hsa-miR-5701	18	20	12	0	19	5	11.18263	1.005582	1.356072	0.74154	0.458366	0.938786
hsa-miR-548j-3p	60	4	32	23	5	4	19.45929	1.006261	1.255587	0.801427	0.422885	0.938786
hsa-miR-127-5p	99	644	41	11	73	233	195.1639	1.033214	1.32986	0.776934	NA	NA
hsa-miR-20b-3p	0	5	0	2	0	0	1.303854	1.034381	3.643479	0.283899	NA	NA
hsa-miR-5699-5p	17	0	0	3	0	2	3.274909	1.034604	2.547711	0.406091	NA	NA
hsa-miR-3617-3p	0	2	13	3	0	2	3.284666	1.041486	2.187083	0.476199	NA	NA
hsa-miR-3133	11	2	4	0	8	0	3.407766	1.051751	2.038227	0.516013	NA	NA
hsa-miR-4473	296	24	122	118	25	0	88.28084	1.053024	1.503912	0.700189	0.483809	0.938786
hsa-miR-618	54	0	38	14	12	6	18.29332	1.054147	1.416268	0.744313	0.456687	0.938786
hsa-miR-141-5p	882	271	672	124	320	238	378.8004	1.061153	0.756272	1.403137	0.160576	0.938786
hsa-miR-140-5p	1812	458	1984	626	731	227	877.9905	1.067942	0.832297	1.283127	0.199448	0.938786
hsa-miR-30a-5p	255519	136326	123624	102939	67394	16633	109113.2	1.087885	0.876646	1.240962	NA	NA
hsa-miR-548ak	14	0	16	9	0	0	6.004625	1.091294	2.241632	0.48683	NA	NA
hsa-miR-4485-3p	0	2	14	0	0	5	3.449535	1.097421	2.507132	0.437719	NA	NA
hsa-miR-1273h-3p	6	4	14	5	4	0	5.070355	1.097794	1.560903	0.703307	0.481864	0.938786
hsa-miR-675-3p	12	17	0	4	9	0	6.584823	1.100636	1.85362	0.593776	0.552662	0.938786
hsa-miR-671-5p	126	176	108	29	106	37	91.02129	1.11009	0.799098	1.389179	NA	NA
hsa-miR-144-3p	1284	234	1172	347	610	68	544.0836	1.114414	0.954579	1.16744	NA	NA
hsa-miR-4683	32	8	16	13	6	0	11.38366	1.119323	1.391651	0.804313	NA	NA
hsa-miR-32-3p	137	69	96	42	44	22	63.13974	1.126428	0.758495	1.485083	0.137522	0.938786
hsa-miR-548u	123	15	42	14	5	34	35.64131	1.127993	1.144034	0.985979	0.324143	0.938786
hsa-miR-99a-3p	87	68	66	25	56	8	47.12579	1.133211	0.869841	1.302779	0.19265	0.938786
hsa-miR-4999-5p	5	5	9	4	3	0	4.057446	1.141437	1.615564	0.706526	0.479861	0.938786
hsa-miR-188-5p	12	6	3	0	5	3	4.35752	1.150784	1.612359	0.713727	0.475396	0.938786
hsa-miR-374b-3p	100	79	265	12	107	53	93.04914	1.155878	0.955011	1.21033	NA	NA
hsa-miR-301a-5p	16	54	29	3	17	18	22.5505	1.166612	1.088233	1.072024	0.283709	0.938786
hsa-miR-30e-5p	20384	9277	24245	2087	9565	7562	11101.52	1.16726	0.81261	1.436433	0.150879	0.938786
hsa-miR-411-3p	6	70	2	7	3	18	19.20544	1.173557	1.475515	0.795354	NA	NA

hsa-miR-6739-3p	2	0	5	0	3	0	1.370439	1.183334	2.981659	0.396871	0.691463	0.938786
hsa-miR-455-5p	21522	6459	11666	6143	5229	1864	7989.793	1.185737	0.806782	1.469712	0.14164	0.938786
hsa-miR-135b-5p	4899	1923	5121	161	1484	2238	2425.05	1.207752	1.007369	1.198917	NA	NA
hsa-miR-378h	45	9	12	8	16	0	12.93265	1.212527	1.366967	0.88702	NA	NA
hsa-miR-654-3p	216	1492	90	128	202	338	431.2584	1.212982	1.163177	1.042818	NA	NA
hsa-miR-3616-5p	0	6	0	0	0	2	1.49393	1.25737	3.517512	0.35746	NA	NA
hsa-miR-29b-2-5p	208	131	115	20	122	30	93.34784	1.260202	0.847143	1.487589	NA	NA
hsa-miR-1255a	113	4	2	21	0	9	22.02292	1.260634	1.709916	0.737249	NA	NA
hsa-miR-511-3p	165	24	142	47	55	5	64.17177	1.289395	1.065068	1.210622	NA	NA
hsa-miR-146a-3p	39	29	39	17	20	0	21.96206	1.292686	1.2383	1.04392	NA	NA
hsa-miR-181b-3p	77	81	32	22	24	16	40.11594	1.312326	0.858539	1.528558	0.126374	0.938786
hsa-miR-32-5p	2637	772	1314	282	665	496	920.8537	1.341278	0.750156	1.787998	0.073776	0.938786
hsa-miR-153-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-186-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-188-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-2116-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-216a-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-3074-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-3150b-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-3155a	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-3677-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-3679-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-3680-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-4511	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-4512	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-4682	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-4729	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-4782-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-548a-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-548f-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-548h-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-584-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-585-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6509-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6718-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786

hsa-miR-6720-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6721-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6752-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6767-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6785-5p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6800-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-6847-3p	2	0	0	0	0	0	0.257008	1.351428	4.054413	0.333323	0.738891	0.938786
hsa-miR-340-5p	10960	10975	7305	1511	4280	3604	6066.684	1.356801	0.739639	1.83441	0.066593	0.938786
hsa-miR-224-3p	97	33	42	17	12	19	33.69358	1.361039	0.895968	1.519071	NA	NA
hsa-miR-1247-5p	9	6	0	2	0	2	3.08048	1.373635	2.146944	0.639809	NA	NA
hsa-miR-378i	124	13	35	29	20	0	32.10106	1.377824	1.380084	0.998363	0.318103	0.938786
hsa-miR-3128	24	3	8	0	2	7	6.571544	1.405567	1.60098	0.877942	NA	NA
hsa-miR-127-3p	2390	25635	1104	1873	1862	5188	6752.528	1.450866	1.249841	1.160841	NA	NA
hsa-miR-4645-3p	0	0	18	0	2	3	3.49157	1.455301	2.518732	0.577791	NA	NA
hsa-miR-3200-3p	22	119	37	2	54	12	39.24714	1.463179	1.210123	1.209116	NA	NA
hsa-miR-548ar-3p	64	4	19	6	4	11	15.8974	1.463647	1.227385	1.192492	0.233068	0.938786
hsa-miR-382-5p	62	716	13	56	53	133	183.7358	1.468343	1.334894	1.09997	NA	NA
hsa-miR-570-3p	12	0	0	0	4	0	2.080577	1.469372	3.189924	0.460629	NA	NA
hsa-miR-1245b-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-1252-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-1258	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-1281	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-1295b-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-1538	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-155-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-2114-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-219b-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-302a-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-3140-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-3143	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-346	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-3672	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4477b	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4637	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4638-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786

hsa-miR-4645-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4699-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4701-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4727-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4731-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-4748	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-506-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-520b	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-520c-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-520g-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-548aq-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-5571-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-5590-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-6749-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-6755-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-6793-5p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-6820-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-6834-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-7851-3p	0	0	2	0	0	0	0.283814	1.474643	4.042572	0.364778	0.715277	0.938786
hsa-miR-501-5p	46	71	51	17	32	5	34.63363	1.481932	0.922401	1.606602	0.108142	0.938786
hsa-miR-33b-3p	2	4	2	0	3	0	1.643792	1.492368	2.428455	0.614534	NA	NA
hsa-miR-4802-3p	9	14	10	2	2	5	6.83494	1.498448	1.278111	1.172393	0.241039	0.938786
hsa-miR-500b-5p	54	53	12	6	19	11	24.20213	1.500801	1.012265	1.482616	0.138177	0.938786
hsa-miR-338-3p	1828	300	665	335	449	5	515.2943	1.514395	1.230116	1.231099	0.218286	0.938786
hsa-miR-299-5p	2	23	2	2	2	4	6.15041	1.529728	1.579806	0.968301	NA	NA
hsa-miR-1270	11	14	2	2	7	0	5.516552	1.542463	1.617857	0.953398	0.340388	0.938786
hsa-miR-376c-3p	53	386	12	10	38	82	101.4984	1.574491	1.323961	1.189228	NA	NA
hsa-miR-506-3p	8	2	35	10	0	0	8.494377	1.581645	1.904889	0.830308	NA	NA
hsa-miR-107	46015	22119	13356	4593	13783	4535	15527.05	1.599265	0.782805	2.042994	0.041053	0.83959
hsa-miR-4474-3p	7	0	0	0	2	0	1.168793	1.600361	3.727133	0.429381	NA	NA
hsa-miR-337-3p	18	95	7	3	17	16	26.40574	1.612001	1.260285	1.279076	NA	NA
hsa-miR-3664-3p	44	0	3	0	8	4	8.047599	1.619766	1.9211	0.843145	NA	NA
hsa-miR-6741-3p	5	4	0	2	0	0	1.771606	1.681918	2.810497	0.598442	NA	NA
hsa-miR-655-3p	10	167	5	4	19	28	40.8334	1.691787	1.408753	1.200911	NA	NA
hsa-miR-142-3p	3189	667	6061	913	1185	325	1814.673	1.695016	0.931367	1.819922	0.068771	0.938786

hsa-miR-134-5p	203	1982	46	129	149	311	496.0481	1.695428	1.283856	1.320575	NA	NA
hsa-miR-3614-5p	19	6	11	6	2	0	6.610467	1.716901	1.497841	1.146251	NA	NA
hsa-miR-301a-3p	73	37	45	5	8	21	29.06099	1.718921	0.983817	1.747196	NA	NA
hsa-miR-202-5p	47	9	2	8	5	0	10.28963	1.727334	1.568454	1.101298	0.270767	0.938786
hsa-miR-651-5p	1002	672	1766	76	322	404	646.4599	1.731467	0.881336	1.964593	NA	NA
hsa-miR-134-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-205-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-3180	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-3180-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-3691-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-4467	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-492	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-503-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-5094	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-544a	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-5707	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6133	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6715a-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6736-5p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6798-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6803-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6817-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6818-5p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-6895-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-7152-3p	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-892a	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-940	0	2	0	0	0	0	0.349537	1.737524	4.020305	0.432187	0.665605	0.938786
hsa-miR-370-3p	94	1691	61	278	44	128	410.465	1.74792	1.354226	1.290715	NA	NA
hsa-miR-5684	2	2	3	0	2	0	1.30153	1.753773	2.608618	0.6723	0.501393	0.938786
hsa-miR-6516-5p	23	19	20	0	16	2	11.71377	1.762198	1.356166	1.299397	NA	NA
hsa-miR-136-3p	279	1696	69	32	201	300	442.7906	1.763653	1.266299	1.392761	NA	NA
hsa-miR-4646-3p	4	3	0	0	2	0	1.307586	1.778531	3.037371	0.58555	0.558178	0.938786
hsa-miR-548ai	8	0	0	0	2	0	1.297297	1.790513	3.621694	0.494386	NA	NA
hsa-miR-570-5p	8	0	0	0	2	0	1.297297	1.790513	3.621694	0.494386	NA	NA
hsa-miR-153-3p	24	5	7	0	7	2	6.339034	1.792929	1.516509	1.182274	NA	NA

hsa-miR-758-3p	39	330	8	33	19	39	82.15742	1.801252	1.295239	1.390672	NA	NA
hsa-miR-4521	141	12	24	6	12	17	30.31291	1.829064	1.127817	1.621774	NA	NA
hsa-miR-379-5p	489	5479	171	295	264	876	1338.68	1.829215	1.294684	1.412866	NA	NA
hsa-miR-362-3p	64	34	24	4	15	9	22.4556	1.840317	0.948798	1.939629	0.052425	0.89299
hsa-miR-409-3p	72	2424	39	165	70	344	559.9204	1.851813	1.443069	1.283246	NA	NA
hsa-miR-6501-5p	77	12	109	21	16	4	35.01978	1.86414	1.079523	1.726819	0.0842	0.938786
hsa-miR-101-5p	11	4	15	0	5	2	5.359704	1.883221	1.528011	1.232465	0.217775	0.938786
hsa-miR-485-5p	13	149	0	9	10	19	35.22295	1.885568	1.597999	1.179956	NA	NA
hsa-miR-154-5p	14	145	5	12	12	15	35.38556	1.887768	1.30641	1.445005	NA	NA
hsa-miR-450b-5p	2736	1856	1470	184	409	644	1122.579	1.894279	0.811796	2.333443	NA	NA
hsa-miR-411-5p	532	2016	153	103	147	346	561.3859	1.895145	1.123256	1.687189	NA	NA
hsa-miR-424-3p	455	196	605	98	75	75	226.4452	1.901774	0.773446	2.458831	0.013939	0.43211
hsa-miR-100-3p	8	0	4	0	0	2	2.040981	1.907722	2.704548	0.705376	0.480576	0.938786
hsa-miR-1256	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-1273e	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-15a-3p	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-3134	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-3138	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-3178	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-3679-5p	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-3943	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-8485	3	0	0	0	0	0	0.385512	1.928035	4.006455	0.481232	NA	NA
hsa-miR-4705	9	0	3	2	0	0	2.012271	1.934115	2.727346	0.709157	0.478227	0.938786
hsa-miR-1185-2-3p	0	39	0	7	2	0	8.590273	1.94472	2.320956	0.837896	NA	NA
hsa-miR-656-3p	10	195	5	4	15	29	45.41105	1.951775	1.435429	1.359716	NA	NA
hsa-miR-148a-3p	3328776	4965094	1462992	1033361	1061357	95541	1889456	1.96	1.012947	1.934949	0.052997	0.89299
hsa-miR-556-5p	131	6	30	16	4	7	27.67711	2.015322	1.234092	1.63304	0.102461	0.938786
hsa-miR-369-5p	12	75	0	4	4	10	18.27483	2.021973	1.606473	1.258641	NA	NA
hsa-miR-493-5p	407	3670	82	53	211	588	876.0641	2.046842	1.368167	1.496047	NA	NA
hsa-miR-487a-3p	9	134	6	4	8	19	31.59456	2.048365	1.386462	1.477405	NA	NA
hsa-miR-4433b-5p	2	0	7	0	2	0	1.519621	2.05162	2.937808	0.698351	0.484958	0.938786
hsa-miR-3175	0	0	3	0	0	0	0.425721	2.057251	3.998023	0.514567	NA	NA
hsa-miR-3187-5p	0	0	3	0	0	0	0.425721	2.057251	3.998023	0.514567	NA	NA
hsa-miR-6810-3p	0	0	3	0	0	0	0.425721	2.057251	3.998023	0.514567	NA	NA
hsa-miR-6883-3p	0	0	3	0	0	0	0.425721	2.057251	3.998023	0.514567	NA	NA

hsa-miR-148a-5p	4385	8421	1554	552	2870	139	2791.765	2.07289	1.094592	1.893756	0.058257	0.912748
hsa-miR-382-3p	83	1277	29	42	75	166	294.0495	2.085473	1.344146	1.551523	NA	NA
hsa-miR-409-5p	45	921	10	28	56	116	207.5515	2.094641	1.425012	1.469911	NA	NA
hsa-miR-6515-3p	4	4	5	0	3	0	2.326521	2.108637	2.152155	0.979779	NA	NA
hsa-miR-381-3p	3816	17206	2132	1324	1020	2014	4670.412	2.126269	1.043361	2.037903	NA	NA
hsa-miR-6733-3p	5	4	0	0	2	0	1.610858	2.14254	2.868484	0.746924	NA	NA
hsa-miR-6500-3p	25	23	2	6	3	0	9.210023	2.155214	1.54292	1.396841	0.162461	0.938786
hsa-miR-374c-3p	7	0	7	0	0	2	2.338198	2.156242	2.609171	0.826409	NA	NA
hsa-miR-509-3p	5	0	56	6	0	3	10.54733	2.156915	1.918035	1.124544	NA	NA
hsa-miR-539-5p	9	115	0	20	3	0	25.95892	2.179876	1.938877	1.124298	NA	NA
hsa-miR-495-3p	102	1240	30	135	65	62	285.6592	2.182574	1.29651	1.683422	NA	NA
hsa-miR-891a-5p	0	28	0	5	0	0	5.968545	2.200133	2.724777	0.807454	NA	NA
hsa-miR-6516-3p	46	24	38	0	16	5	18.76551	2.216438	1.217497	1.820487	NA	NA
hsa-miR-1251-5p	19	5	0	0	5	0	3.98858	2.222863	2.333846	0.952447	0.340871	0.938786
hsa-miR-33a-5p	16	6	2	0	2	2	4.103074	2.24454	1.73003	1.297399	0.194494	0.938786
hsa-miR-542-3p	5186	2160	1433	200	352	768	1508.669	2.254914	0.905098	2.491348	0.012726	0.43211
hsa-miR-5699-3p	16	0	0	0	0	2	2.501386	2.257309	3.107987	0.726293	NA	NA
hsa-miR-580-3p	17	6	6	2	0	2	4.959955	2.298576	1.609309	1.4283	NA	NA
hsa-miR-3064-5p	14	4	7	2	2	0	4.190757	2.307273	1.637614	1.408924	0.158858	0.938786
hsa-miR-3115	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-323a-5p	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-345-3p	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-3917	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-4324	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-6769b-3p	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-6815-3p	0	3	0	0	0	0	0.524305	2.331664	3.982384	0.585494	NA	NA
hsa-miR-3681-5p	4	0	0	0	0	0	0.514017	2.338601	3.982025	0.58729	NA	NA
hsa-miR-4723-5p	4	0	0	0	0	0	0.514017	2.338601	3.982025	0.58729	NA	NA
hsa-miR-6128	4	0	0	0	0	0	0.514017	2.338601	3.982025	0.58729	NA	NA
hsa-miR-6504-5p	4	0	0	0	0	0	0.514017	2.338601	3.982025	0.58729	NA	NA
hsa-miR-6792-3p	4	0	0	0	0	0	0.514017	2.338601	3.982025	0.58729	NA	NA
hsa-miR-376b-5p	7	26	0	3	0	2	6.533845	2.352522	1.964934	1.197252	0.231208	0.938786
hsa-miR-376c-5p	7	26	0	3	0	2	6.533845	2.352522	1.964934	1.197252	0.231208	0.938786
hsa-miR-579-3p	8	3	0	0	2	0	1.821602	2.355294	2.791824	0.84364	0.398871	0.938786
hsa-miR-136-5p	369	500	58	15	11	101	170.2275	2.398627	1.209561	1.983056	0.047361	0.889817

hsa-miR-1537-3p	2	0	2	0	0	0	0.540822	2.406107	3.978619	0.604759	0.545339	0.938786
hsa-miR-4443	2	0	2	0	0	0	0.540822	2.406107	3.978619	0.604759	0.545339	0.938786
hsa-miR-4724-5p	2	0	2	0	0	0	0.540822	2.406107	3.978619	0.604759	0.545339	0.938786
hsa-miR-6887-3p	2	0	2	0	0	0	0.540822	2.406107	3.978619	0.604759	0.545339	0.938786
hsa-miR-885-5p	2	0	2	0	0	0	0.540822	2.406107	3.978619	0.604759	0.545339	0.938786
hsa-miR-4697-3p	10	2	0	0	2	0	1.903842	2.432777	2.791045	0.871637	0.383407	0.938786
hsa-miR-10b-3p	11	4	8	0	4	0	3.786403	2.458345	1.88755	1.3024	NA	NA
hsa-miR-1277-5p	50	18	43	0	0	13	18.56762	2.462857	1.613716	1.526202	NA	NA
hsa-miR-6818-3p	5	6	4	2	0	0	2.688771	2.463202	2.124017	1.15969	0.246175	0.938786
hsa-miR-372-3p	0	0	4	0	0	0	0.567628	2.470991	3.97549	0.621556	NA	NA
hsa-miR-4461	0	0	4	0	0	0	0.567628	2.470991	3.97549	0.621556	NA	NA
hsa-miR-4482-5p	0	0	4	0	0	0	0.567628	2.470991	3.97549	0.621556	NA	NA
hsa-miR-508-5p	0	0	4	0	0	0	0.567628	2.470991	3.97549	0.621556	NA	NA
hsa-miR-513c-5p	0	0	4	0	0	0	0.567628	2.470991	3.97549	0.621556	NA	NA
hsa-let-7c-3p	37	44	12	2	15	0	16.59684	2.477651	1.356203	1.826902	0.067714	0.938786
hsa-miR-337-5p	12	62	2	0	2	9	14.93471	2.494364	1.64586	1.515538	NA	NA
hsa-miR-494-3p	46	988	36	6	55	104	215.5424	2.528498	1.418872	1.782049	NA	NA
hsa-miR-6503-3p	41	9	72	2	18	0	19.91228	2.537035	1.386458	1.829869	0.06727	0.938786
hsa-miR-450a-5p	3191	1219	1641	191	306	293	1003.472	2.53729	0.717087	3.538329	NA	NA
hsa-miR-4690-3p	9	4	4	0	0	2	2.868559	2.540414	2.094862	1.212688	0.225249	0.938786
hsa-miR-137	2	2	0	0	0	0	0.606545	2.557746	3.971516	0.644023	0.519561	0.938786
hsa-miR-3653-3p	2	2	0	0	0	0	0.606545	2.557746	3.971516	0.644023	0.519561	0.938786
hsa-miR-6770-3p	2	2	0	0	0	0	0.606545	2.557746	3.971516	0.644023	0.519561	0.938786
hsa-miR-450a-2-3p	30	4	12	3	3	0	7.305997	2.56728	1.484944	1.728874	0.083832	0.938786
hsa-miR-378d	6553	743	602	278	668	125	1234.907	2.573878	1.049126	2.453355	NA	NA
hsa-miR-4470	5	4	4	0	2	0	2.178486	2.619536	2.229582	1.1749	0.240035	0.938786
hsa-miR-376a-3p	24	384	5	6	29	28	82.33353	2.63241	1.414115	1.861525	NA	NA
hsa-miR-543	27	327	7	29	9	11	71.50834	2.642289	1.370096	1.928544	NA	NA
hsa-miR-485-3p	6	218	3	5	4	21	45.58567	2.650858	1.548312	1.712096	NA	NA
hsa-miR-493-3p	260	2407	140	57	86	231	549.2136	2.655328	1.232177	2.154989	NA	NA
hsa-miR-3194-3p	5	0	0	0	0	0	0.642521	2.657717	3.967218	0.66992	NA	NA
hsa-miR-548au-5p	5	0	0	0	0	0	0.642521	2.657717	3.967218	0.66992	NA	NA
hsa-miR-377-5p	0	16	0	0	0	2	3.241614	2.690964	2.980762	0.902777	NA	NA
hsa-miR-6510-3p	67	144	147	0	2	37	63.14444	2.692283	1.459476	1.844692	NA	NA
hsa-miR-380-3p	0	56	0	5	0	2	11.30738	2.703019	2.291661	1.179502	NA	NA

hsa-miR-509-5p	12	0	58	4	0	3	11.30066	2.710277	1.843892	1.469867	0.141598	0.938786
hsa-miR-34c-5p	60240	8671	24386	5468	5179	272	14650.53	2.717493	1.103586	2.462421	0.0138	0.43211
hsa-miR-3148	2	0	3	0	0	0	0.682729	2.739671	3.963906	0.691154	0.489468	0.938786
hsa-miR-4697-5p	2	0	3	0	0	0	0.682729	2.739671	3.963906	0.691154	0.489468	0.938786
hsa-miR-379-3p	6	54	3	0	2	6	12.23946	2.745604	1.643331	1.670756	NA	NA
hsa-miR-329-3p	22	323	10	28	6	10	69.7509	2.750217	1.379541	1.993574	NA	NA
hsa-miR-1288-3p	0	4	0	0	0	0	0.699073	2.751521	3.963442	0.694225	NA	NA
hsa-miR-3139	0	4	0	0	0	0	0.699073	2.751521	3.963442	0.694225	NA	NA
hsa-miR-487b-5p	0	4	0	0	0	0	0.699073	2.751521	3.963442	0.694225	NA	NA
hsa-miR-541-3p	0	4	0	0	0	0	0.699073	2.751521	3.963442	0.694225	NA	NA
hsa-miR-600	0	4	0	0	0	0	0.699073	2.751521	3.963442	0.694225	NA	NA
hsa-miR-888-5p	0	4	0	0	0	0	0.699073	2.751521	3.963442	0.694225	NA	NA
hsa-miR-323b-3p	0	300	0	0	23	21	60.2029	2.753564	3.732595	0.737708	NA	NA
hsa-miR-369-3p	68	1227	27	4	68	105	260.4048	2.765421	1.463734	1.889293	NA	NA
hsa-miR-376b-3p	5	42	7	0	6	2	10.22925	2.789895	1.543638	1.80735	NA	NA
hsa-miR-370-5p	0	27	0	0	0	3	5.386726	2.852934	2.752617	1.036444	NA	NA
hsa-miR-412-5p	0	84	0	4	0	5	16.65387	2.910098	2.244832	1.296354	NA	NA
hsa-miR-7973	0	2	3	0	0	0	0.775258	2.911841	3.957524	0.735773	0.461869	0.938786
hsa-miR-378b	6	0	0	0	0	0	0.771025	2.918815	3.957281	0.737581	NA	NA
hsa-miR-548az-3p	6	0	0	0	0	0	0.771025	2.918815	3.957281	0.737581	NA	NA
hsa-miR-6736-3p	2	3	0	0	0	0	0.781313	2.921654	3.957183	0.738317	0.460322	0.938786
hsa-miR-551b-3p	290	39	33	7	35	0	54.98226	2.954147	1.367733	2.159885	NA	NA
hsa-miR-6755-5p	0	3	2	0	0	0	0.808119	2.968589	3.95558	0.750481	0.452965	0.938786
hsa-miR-944	46	139	53	19	5	0	42.48334	2.99499	1.324534	2.261166	NA	NA
hsa-miR-1537-5p	4	2	0	0	0	0	0.863553	3.072447	3.952211	0.7774	0.436923	0.938786
hsa-miR-6839-5p	4	2	0	0	0	0	0.863553	3.072447	3.952211	0.7774	0.436923	0.938786
hsa-miR-432-3p	0	5	0	0	0	0	0.873842	3.07642	3.952087	0.778429	NA	NA
hsa-miR-4421	0	5	0	0	0	0	0.873842	3.07642	3.952087	0.778429	NA	NA
hsa-miR-665	0	5	0	0	0	0	0.873842	3.07642	3.952087	0.778429	NA	NA
hsa-miR-154-3p	9	124	2	3	2	8	25.80719	3.117367	1.511338	2.062653	NA	NA
hsa-miR-548am-5p	7	0	0	0	0	0	0.899529	3.139793	3.950151	0.794854	NA	NA
hsa-miR-548c-5p	7	0	0	0	0	0	0.899529	3.139793	3.950151	0.794854	NA	NA
hsa-miR-548h-3p	7	0	0	0	0	0	0.899529	3.139793	3.950151	0.794854	NA	NA
hsa-miR-548o-5p	7	0	0	0	0	0	0.899529	3.139793	3.950151	0.794854	NA	NA
hsa-miR-548z	7	0	0	0	0	0	0.899529	3.139793	3.950151	0.794854	NA	NA

hsa-miR-4436b-3p	4	0	3	0	0	0	0.939738	3.200253	3.833389	0.834837	0.40381	0.938786
hsa-miR-654-5p	21	520	4	3	12	35	104.1995	3.230773	1.54571	2.090155	NA	NA
hsa-miR-432-5p	17	962	5	28	19	43	189.1738	3.237923	1.532017	2.113504	NA	NA
hsa-miR-508-3p	9	2	108	4	2	3	18.6293	3.251191	1.461767	2.224151	NA	NA
hsa-miR-3065-5p	2226	253	582	117	116	11	456.0788	3.255429	1.07552	3.026842	0.002471	0.139288
hsa-miR-433-3p	7	166	5	4	6	6	33.62439	3.352875	1.420351	2.360597	NA	NA
hsa-miR-5696	6	0	2	0	0	0	1.054839	3.367801	3.708023	0.908247	0.363748	0.938786
hsa-miR-219a-5p	5	0	3	0	0	0	1.068242	3.385294	3.673399	0.92157	0.356753	0.938786
hsa-miR-410-3p	4	260	0	4	8	11	50.34013	3.391822	1.744659	1.944118	NA	NA
hsa-miR-551a	115	73	34	8	2	5	35.46352	3.417107	1.041169	3.28199	0.001031	0.086124
hsa-miR-539-3p	2	328	3	0	9	19	63.44898	3.417162	1.818437	1.879175	NA	NA
hsa-miR-514a-5p	2	0	6	0	0	0	1.108451	3.436251	3.655838	0.939935	0.347251	0.938786
hsa-miR-301b-3p	27	38	34	0	5	3	16.27679	3.442082	1.198703	2.871504	0.004085	0.180917
hsa-miR-889-3p	71	3493	21	35	106	145	676.6516	3.52528	1.506701	2.339734	NA	NA
hsa-miR-487b-3p	34	1084	6	12	49	34	211.417	3.538009	1.482608	2.386342	NA	NA
hsa-miR-4709-3p	33	18	31	2	4	0	12.75413	3.541626	1.246389	2.84151	0.00449	0.185589
hsa-miR-449a	538	182	278	18	42	11	152.3671	3.542769	0.799065	4.433644	9.27E-06	0.001436
hsa-miR-380-5p	0	59	0	0	0	4	11.20197	3.562713	2.571201	1.385622	NA	NA
hsa-miR-4284	5	0	4	0	0	0	1.210149	3.564638	3.522044	1.012093	0.311493	0.938786
hsa-miR-4425	0	3	5	0	0	0	1.23384	3.583439	3.527644	1.015817	0.309717	0.938786
hsa-miR-509-3-5p	199	30	2263	111	3	21	380.8964	3.606275	1.496034	2.410557	NA	NA
hsa-miR-548x-3p	2	0	35	0	0	2	5.669074	3.627201	2.370567	1.530099	NA	NA
hsa-miR-514a-3p	1154	107	8407	397	55	75	1469.468	3.635728	1.358486	2.676309	NA	NA
hsa-miR-513a-3p	0	0	9	0	0	0	1.277163	3.638543	3.937525	0.924069	NA	NA
hsa-miR-513c-3p	0	0	9	0	0	0	1.277163	3.638543	3.937525	0.924069	NA	NA
hsa-miR-378j	23	5	0	0	2	0	4.098701	3.639488	2.383707	1.526819	0.126806	0.938786
hsa-miR-431-5p	15	448	10	14	0	16	88.2155	3.643544	1.653109	2.204056	NA	NA
hsa-miR-450a-1-3p	2	6	0	0	0	0	1.305619	3.661059	3.496019	1.047208	0.295004	0.938786
hsa-miR-514b-3p	2	0	55	3	0	0	8.706914	3.687881	2.268215	1.625896	NA	NA
hsa-miR-4510	8	120	0	5	4	0	23.6138	3.76466	1.863663	2.020033	NA	NA
hsa-miR-1297	18	11	0	0	2	0	4.504791	3.776901	2.313035	1.632877	0.102495	0.938786
hsa-miR-4679	119	13	33	5	4	0	23.86047	3.782935	1.29663	2.917514	0.003528	0.180917
hsa-miR-4659a-3p	3	0	8	0	0	0	1.520769	3.89229	3.304411	1.177908	0.238833	0.938786
hsa-miR-34b-5p	275	12	67	5	15	0	50.03814	3.896565	1.353479	2.878925	0.00399	0.180917
hsa-miR-3611	9	0	3	0	0	0	1.582259	3.951996	3.262854	1.211208	0.225816	0.938786

hsa-miR-4798-5p	6	0	6	0	0	0	1.622467	3.986876	3.215149	1.240028	NA	NA
hsa-miR-548b-3p	20	22	7	0	3	0	7.812232	3.993447	1.667261	2.395215	0.016611	0.490409
hsa-miR-449c-5p	287	291	661	21	28	13	192.7182	4.020646	0.785036	5.121609	3.03E-07	0.000188
hsa-miR-548av-5p	11	2	0	0	0	0	1.763083	4.105652	3.202449	1.282035	0.19983	0.938786
hsa-miR-4527	6	0	7	0	0	0	1.764374	4.107505	3.138439	1.308773	0.190611	0.938786
hsa-miR-3176	0	3	9	0	0	0	1.801468	4.131518	3.164948	1.305399	0.191757	0.938786
hsa-miR-500b-3p	9	4	0	0	0	0	1.855611	4.176371	3.117457	1.339673	0.180352	0.938786
hsa-miR-377-3p	8	66	2	2	2	0	13.54584	4.177994	1.676422	2.492209	NA	NA
hsa-miR-3065-3p	410	60	81	12	8	2	78.76973	4.191705	1.076182	3.894976	NA	NA
hsa-miR-548b-5p	20	52	143	7	2	0	33.72505	4.192667	1.326961	3.159602	0.00158	0.097951
hsa-miR-3127-5p	6	7	0	0	0	0	1.994404	4.276337	3.053606	1.400422	0.161387	0.938786
hsa-miR-4677-5p	4	9	0	0	0	0	2.086932	4.339519	3.039763	1.427585	0.153411	0.938786
hsa-miR-487a-5p	0	12	0	0	0	0	2.09722	4.345831	3.683656	1.17976	NA	NA
hsa-miR-376a-5p	10	47	0	0	3	0	9.90305	4.412081	2.128959	2.072413	0.038227	0.83959
hsa-miR-133b	310	228	9	8	11	2	84.60696	4.464904	1.228012	3.635879	NA	NA
hsa-miR-4650-5p	16	2	0	0	0	0	2.405603	4.554247	2.973996	1.531356	0.125681	0.938786
hsa-miR-376a-2-5p	8	8	0	0	0	0	2.42618	4.559881	2.897935	1.573493	0.115605	0.938786
hsa-miR-4423-5p	5	11	0	0	0	0	2.564973	4.637557	2.883724	1.608183	0.107795	0.938786
hsa-miR-323a-3p	12	1501	2	19	13	21	274.6644	4.654103	1.65622	2.810075	NA	NA
hsa-miR-6811-5p	6	7	5	0	0	0	2.703939	4.716106	2.303596	2.04728	0.040631	0.83959
hsa-miR-1197	0	102	0	0	0	3	18.49435	4.780729	2.510272	1.904466	NA	NA
hsa-miR-675-5p	0	13	4	0	0	0	2.839617	4.783029	2.839888	1.684231	0.092137	0.938786
hsa-miR-1185-5p	2	18	0	0	0	0	3.402839	5.04408	2.801058	1.800777	NA	NA
hsa-miR-1277-3p	14	2	9	0	0	0	3.425758	5.064753	2.235717	2.265382	0.023489	0.560128
hsa-miR-3614-3p	9	5	10	0	0	0	3.44945	5.071287	2.154861	2.353417	0.018602	0.524231
hsa-miR-496	0	20	0	0	0	0	3.495367	5.084158	3.282501	1.548867	NA	NA
hsa-miR-1185-1-3p	2	63	0	0	2	0	11.53668	5.185044	2.296456	2.257846	NA	NA
hsa-miR-668-3p	0	24	0	0	0	0	4.194441	5.347669	3.17383	1.684926	NA	NA
hsa-miR-431-3p	0	103	0	2	0	0	18.43115	5.437244	2.5314	2.14792	NA	NA
hsa-miR-4709-5p	13	7	14	0	0	0	4.880631	5.571949	1.983408	2.80928	0.004965	0.192403
hsa-miR-542-5p	27	0	12	0	0	0	5.172497	5.658159	2.466214	2.29427	0.021775	0.544446
hsa-miR-205-5p	1516	12483	975	94	164	4	2557.986	5.86253	1.309133	4.478177	NA	NA
hsa-miR-3168	0	69	0	0	0	0	12.05902	6.87353	2.801942	2.45313	NA	NA
hsa-miR-300	20	77	0	0	0	0	16.02725	7.284084	2.257107	3.227177	0.00125	0.086124
hsa-miR-449b-5p	56	72	14	0	0	0	21.76625	7.726145	1.712282	4.512192	6.42E-06	0.001436

Supplementary 3

ENSEMBL	SYMBOL	GENENAME	ENTREZID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	sig
ENSG00000131002	TXLNGY	taxilin gamma pseudogene, Y-linked	246126	1221.860794	-12.81431245	1.462941697	-8.759277605	1.97E-18	4.12E-15	FDR<0.05
ENSG0000012817	KDM5D	lysine demethylase 5D	8284	1156.838431	-11.85959483	1.163670836	-10.19153738	2.16E-24	6.81E-21	FDR<0.05
ENSG00000129824	RPS4Y1	ribosomal protein S4, Y-linked 1	6192	945.592925	-10.5638721	0.889523967	-11.87587124	1.58E-32	1.99E-28	FDR<0.05
ENSG00000067048	DDX3Y	DEAD-box helicase 3, Y-linked	8653	936.0813277	-10.50900049	0.901674168	-11.65498676	2.16E-31	1.36E-27	FDR<0.05
ENSG00000114374	USP9Y	ubiquitin specific peptidase 9, Y-linked	8287	1155.367376	-10.01159765	0.883175386	-11.33591108	8.71E-30	3.66E-26	FDR<0.05
ENSG00000067646	ZFY	zinc finger protein, Y-linked	7544	307.4351578	-9.952101811	1.177078368	-8.454918623	2.79E-17	5.02E-14	FDR<0.05
ENSG00000165246	NLG4Y	neuroligin 4, Y-linked	22829	70.87915064	-9.668887684	1.348650378	-7.169306327	7.54E-13	9.49E-10	FDR<0.05
ENSG00000204019	CT83	cancer/testis antigen 83	203413	50.18572431	-9.170386116	3.907698105	-2.346748871	0.018938014	0.703499741	Not Sig
ENSG00000206159	GYG2P1	glycogenin 2 pseudogene 1	352887	45.48529511	-9.027183951	1.4802249	-6.098521885	1.07E-09	1.12E-06	FDR<0.05
ENSG00000099725	PRKY	protein kinase, Y-linked, pseudogene	5616	301.0987859	-8.891406411	0.905141436	-9.823223265	8.94E-23	2.25E-19	FDR<0.05
ENSG00000198758	EPS8L3	EPS8 like 3	79574	73.33886749	-8.75234848	3.075059113	-2.846237473	0.004423919	0.301021826	Not Sig
ENSG00000256391	NA	NA	NA	210.6306377	-8.459308698	2.654504268	-3.186775324	0.001438685	0.143788559	Not Sig
ENSG00000139515	PDX1	pancreatic and duodenal homeobox 1	3651	26.73299001	-8.261847614	3.908516638	-2.113806433	0.034531803	0.965260677	Not Sig
ENSG00000123388	HOXC11	homeobox C11	3227	23.85937908	-8.097425161	3.908728068	-2.071626631	0.038300274	0.999371363	Not Sig
ENSG00000171557	FGG	fibrinogen gamma chain	2266	7721.819465	-8.041482073	1.010177049	-7.960468	1.71E-15	2.40E-12	FDR<0.05
ENSG00000267793	NA	NA	NA	17.96452516	-7.684727842	1.556994559	-4.935616376	7.99E-07	0.000402462	FDR<0.05
ENSG00000215262	KCNU1	potassium calcium-activated channel subfamily U member 1	157855	17.90178529	-7.683471254	3.909380313	-1.965393653	0.049368694	0.999371363	Not Sig
ENSG00000135346	CGA	glycoprotein hormones, alpha polypeptide	1081	14.55640666	-7.384978804	3.909981252	-1.888750438	0.058925277	0.999371363	Not Sig
ENSG00000171560	FGA	fibrinogen alpha chain	2243	4727.503479	-7.31809891	1.207318236	-6.061449827	1.35E-09	1.31E-06	FDR<0.05
ENSG00000173702	MUC13	mucin 13, cell surface associated	56667	694.7223789	-7.023747882	1.32564578	-5.298359477	1.17E-07	7.74E-05	FDR<0.05
ENSG00000177138	FAM9B	family with sequence similarity 9 member B	171483	10.42276556	-6.902028521	3.911259306	-1.764656337	0.077621541	0.999371363	Not Sig
ENSG00000053108	FSTL4	follicle-stimulating hormone-like 4	23105	1648.563366	-6.527390982	1.111631506	-5.871901749	4.31E-09	3.62E-06	FDR<0.05
ENSG00000019186	CYP24A1	cytochrome P450 family 24 subfamily A member 1	1591	4772.832923	-6.488609353	1.300596041	-4.988950563	6.07E-07	0.000318541	FDR<0.05
ENSG00000252196	NA	NA	NA	28.66565718	-6.465215428	1.800983893	-3.589824125	0.000330901	0.054117378	Not Sig
ENSG00000170289	CNGB3	cyclic nucleotide gated channel beta 3	54714	7.281711711	-6.381508432	2.190532485	-2.913222459	0.003577197	0.268774977	Not Sig
ENSG00000167080	B4GALNT2	beta-1,4-N-acetyl-galactosaminyltransferase 2	124872	289.9019778	-6.221686351	1.047087269	-5.941898577	2.82E-09	2.53E-06	FDR<0.05
ENSG00000101210	EEF1A2	eukaryotic translation elongation factor 1 alpha 2	1917	442.8542525	-6.190493372	1.284468156	-4.819499295	1.44E-06	0.000624956	FDR<0.05
ENSG00000271774	NA	NA	NA	6.359226598	-6.188293147	2.227969724	-2.777548133	0.005477073	NA	NA
ENSG00000122584	NXPH1	neurexophilin 1	30010	6.232020707	-6.161591055	2.300944071	-2.677853466	0.007409563	NA	NA
ENSG00000226555	NA	NA	NA	6.194559371	-6.14739979	1.757730404	-3.497350774	0.000469904	NA	NA
ENSG00000261426	NA	NA	NA	21.43319032	-6.128877242	1.69666197	-3.612314857	0.000303476	0.051644194	Not Sig
ENSG00000199400	NA	NA	NA	11.87015897	-6.105707929	2.038768469	-2.99480202	0.00274623	0.232102537	Not Sig
ENSG00000204610	TRIM15	tripartite motif containing 15	89870	16.66092622	-5.736490522	1.880893209	-3.049875716	0.002289361	0.203204427	Not Sig
ENSG00000099715	PCDH11Y	protocadherin 11 Y-linked	83259	4.566731025	-5.720933177	2.016620957	-2.83689067	0.004555521	NA	NA

ENSG00000188517	COL25A1	collagen type XXV alpha 1 chain	84570	314.599468	-5.677097307	1.059163079	-5.359984144	8.32E-08	5.82E-05	FDR<0.05
ENSG00000200885	NA	NA	NA	4.015456761	-5.527019044	2.453180952	-2.253000962	0.024259088	NA	NA
ENSG00000170689	HOXB9	homeobox B9	3219	27.52837921	-5.424275592	1.412709543	-3.839625505	0.000123222	0.026754073	FDR<0.05
ENSG00000252766	NA	NA	NA	3.717136581	-5.407572832	1.973227616	-2.740470885	0.006135122	NA	NA
ENSG00000185903	NA	NA	NA	3.557722587	-5.344414475	2.498732127	-2.138850506	0.032447778	NA	NA
ENSG00000134873	CLDN10	claudin 10	9071	243.7187514	-5.245134762	1.0875445	-4.822915072	1.41E-06	0.000624956	FDR<0.05
ENSG00000021826	CPS1	carbamoyl-phosphate synthase 1	1373	4026.030797	-5.211941234	1.253714134	-4.157200668	3.22E-05	0.008819781	FDR<0.05
ENSG00000265417	NA	NA	NA	17.85346939	-5.134076532	1.427756692	-3.595904374	0.000323267	0.053564415	Not Sig
ENSG00000255648	NA	NA	NA	6.050401466	-5.126016265	2.107042577	-2.432801464	0.014982514	NA	NA
ENSG00000258624	NA	NA	NA	3.012845564	-5.106996366	2.548883663	-2.003620817	0.045110694	NA	NA
ENSG00000179709	NLRP8	NLR family pyrin domain containing 8	126205	2.969775338	-5.091746476	2.609057256	-1.951565633	0.050989797	NA	NA
ENSG00000233854	NA	NA	NA	2.929712296	-5.064155894	2.588786702	-1.956188932	0.050442902	NA	NA
ENSG00000101076	HNF4A	hepatocyte nuclear factor 4 alpha	3172	105.0339462	-5.045394384	1.01099785	-4.990509509	6.02E-07	0.000318541	FDR<0.05
ENSG00000145920	CPLX2	complexin 2	10814	105.4723001	-5.025640678	1.188742522	-4.227694883	2.36E-05	0.006678826	FDR<0.05
ENSG00000267874	NA	NA	NA	5.473306812	-4.96266776	1.822760946	-2.722610319	0.00647684	NA	NA
ENSG00000106128	GHRHR	growth hormone releasing hormone receptor	2692	2.61367745	-4.914758168	2.130717562	-2.306621138	0.02107595	NA	NA
ENSG00000261192	RNF126P1	ring finger protein 126 pseudogene 1	376412	2.535797414	-4.859136975	2.25577986	-2.154082968	0.031233666	NA	NA
ENSG00000268062	NA	NA	NA	2.536799809	-4.851889425	2.308130715	-2.102086071	0.035545737	NA	NA
ENSG00000226812	NA	NA	NA	2.487879434	-4.828661059	2.690456938	-1.794736422	0.072695705	NA	NA
ENSG00000129990	SYT5	synaptotagmin 5	6861	13.15650029	-4.817532315	1.698414035	-2.836488756	0.004561258	0.307165388	Not Sig
ENSG00000248282	NA	NA	NA	8.361723456	-4.754568842	1.971397658	-2.411775637	0.015875047	0.646972392	Not Sig
ENSG00000233070	ZFY-AS1	ZFY antisense RNA 1	107987337	2.361675939	-4.754389213	2.175898027	-2.185023909	0.028887094	NA	NA
ENSG00000197870	PRB3	proline rich protein BstNI subfamily 3	5544	2.343769837	-4.741463858	2.729673902	-1.737007433	0.082385859	NA	NA
ENSG00000223972	DDX11L2	DEAD/H-box helicase 11 like 2	84771	2.309151464	-4.733123787	2.777548826	-1.704065017	0.088368941	NA	NA
ENSG00000223972	DDX11L16	DEAD/H-box helicase 11 like 16	727856	2.309151464	-4.733123787	2.777548826	-1.704065017	0.088368941	NA	NA
ENSG00000223972	DDX11L1	DEAD/H-box helicase 11 like 1	100287102	2.309151464	-4.733123787	2.777548826	-1.704065017	0.088368941	NA	NA
ENSG00000223972	DDX11L5	DEAD/H-box helicase 11 like 5	100287596	2.309151464	-4.733123787	2.777548826	-1.704065017	0.088368941	NA	NA
ENSG00000204616	TRIM31	tripartite motif containing 31	11074	134.3147646	-4.694866572	1.417700524	-3.311606712	0.000927619	0.113412624	Not Sig
ENSG00000225393	NA	NA	NA	2.230219211	-4.684398047	2.793871546	-1.676669084	0.093607209	NA	NA
ENSG00000110243	APOA5	apolipoprotein A5	116519	2.220764962	-4.682611845	2.327279586	-2.012053847	0.044214261	NA	NA
ENSG00000113249	HAVCR1	hepatitis A virus cellular receptor 1	26762	263.7838192	-4.655988196	1.208700519	-3.852061055	0.000117128	0.026202409	FDR<0.05
ENSG00000200218	NA	NA	NA	2.176500905	-4.633551828	2.798603967	-1.655665426	0.097789593	NA	NA
ENSG00000270716	NA	NA	NA	2.100817095	-4.591273598	2.284606717	-2.009656001	0.04446761	NA	NA
ENSG00000251996	NA	NA	NA	2.008229578	-4.523458831	2.819600869	-1.60429048	0.108650039	NA	NA
ENSG00000176406	RIMS2	regulating synaptic membrane exocytosis 2	9699	62.46799085	-4.520172587	1.188896736	-3.80198923	0.000143539	0.029632561	FDR<0.05

ENSG00000243316	GUCY2GP	guanylate cyclase 2G, pseudogene	390003	7.283842087	-4.514894806	2.047947603	-2.204594883	0.027482535	0.856652389	Not Sig
ENSG00000188508	KRTDAP	keratinocyte differentiation associated protein	388533	1.977215305	-4.511208563	2.300224403	-1.961203679	0.049855268	NA	NA
ENSG00000174990	CA5A	carbonic anhydrase 5A	763	1.949854955	-4.482376125	2.406375436	-1.862708561	0.062503281	NA	NA
ENSG00000229637	PRAC2	prostate cancer susceptibility candidate 2	360205	3.951994641	-4.478458332	2.2681691	-1.974481679	0.048326999	NA	NA
ENSG00000176153	GPX2	glutathione peroxidase 2	2877	289.9847872	-4.473119268	1.220180246	-3.665949586	0.000246422	0.044331403	FDR<0.05
ENSG00000238362	NA	NA	NA	1.92669562	-4.465237508	2.311365098	-1.931861614	0.053376589	NA	NA
ENSG00000167751	KLK2	kallikrein related peptidase 2	3817	1.925096309	-4.457980662	2.859219379	-1.559160061	0.118958501	NA	NA
ENSG00000196993	NPIPB9	nuclear pore complex interacting protein family member B9	100507607	14.33261892	-4.451393133	1.262235328	-3.526595266	0.00042094	0.063866188	Not Sig
ENSG00000207568	MIR203A	microRNA 203a	406986	1.826253165	-4.3957651	2.344019943	-1.875310452	0.060750026	NA	NA
ENSG00000239942	NA	NA	NA	18.71892701	-4.370124091	3.13550932	-1.393752544	0.163392343	0.999371363	Not Sig
ENSG00000259243	NA	NA	NA	1.756824983	-4.33381472	2.963213912	-1.462538598	0.143593675	NA	NA
ENSG00000268170	NA	NA	NA	1.767281626	-4.332582752	2.973456752	-1.457086184	0.145092592	NA	NA
ENSG00000197757	HOXC6	homeobox C6	3223	81.25464598	-4.322372675	1.104040663	-3.915048442	9.04E-05	0.021375557	FDR<0.05
ENSG00000251011	TMEM108-AS1	TMEM108 antisense RNA 1	101927455	1.693197126	-4.291178924	2.974381343	-1.442713099	0.149101308	NA	NA
ENSG00000170616	NA	NA	NA	3.406115224	-4.262394245	2.264611737	-1.882174404	0.05981234	NA	NA
ENSG00000108176	DNAJC12	DnaJ heat shock protein family (Hsp40) member C12	56521	647.5502068	-4.249728877	1.301998905	-3.264003418	0.001098498	0.124839423	Not Sig
ENSG00000162399	BSND	barttin CLCNK type accessory beta subunit	7809	3.305672769	-4.219704099	2.026897761	-2.081853451	0.037355858	NA	NA
ENSG00000252122	NA	NA	NA	3.365322224	-4.217747707	2.30976071	-1.826053967	0.067842133	NA	NA
ENSG00000240031	NA	NA	NA	1.624771339	-4.215195427	2.437449017	-1.729347115	0.083746989	NA	NA
ENSG00000201386	NA	NA	NA	1.590558446	-4.179595605	3.054379375	-1.368394391	0.171188659	NA	NA
ENSG00000240250	NA	NA	NA	1.590558446	-4.179595605	3.054379375	-1.368394391	0.171188659	NA	NA
ENSG00000224955	NA	NA	NA	1.573249259	-4.174479201	2.554279034	-1.634308212	0.10219415	NA	NA
ENSG00000232946	NA	NA	NA	1.573249259	-4.174479201	2.554279034	-1.634308212	0.10219415	NA	NA
ENSG00000204188	GGNBP1	gametogenetin binding protein 1 (pseudogene)	449520	1.558541778	-4.171217025	3.005227779	-1.387986978	0.16514101	NA	NA
ENSG00000264358	MIR3122	microRNA 3122	100422947	1.515877031	-4.109390874	2.589962922	-1.586660118	0.112589644	NA	NA
ENSG00000187175	KRTAP12-1	keratin associated protein 12-1	353332	1.506422782	-4.105411158	3.055352522	-1.34367839	0.179052408	NA	NA
ENSG00000205579	NA	NA	NA	3.022241977	-4.075515858	1.904921212	-2.139466888	0.032397875	NA	NA
ENSG00000251095	NA	NA	NA	8.785741304	-4.073712256	1.516919756	-2.685515987	0.007241791	0.414526701	Not Sig
ENSG00000264901	MIR3616	microRNA 3616	100500814	2.947378655	-4.034774016	2.379486124	-1.695649315	0.089952313	NA	NA
ENSG00000229258	LOC102723727	uncharacterized LOC102723727	102723727	2.988716529	-4.034676876	2.372510325	-1.700594022	0.089019247	NA	NA
ENSG00000254988	NA	NA	NA	19.41149838	-4.029724676	1.583788318	-2.544358126	0.010947878	0.518295571	Not Sig
ENSG00000188306	LRRIQ4	leucine rich repeats and IQ motif containing 4	344657	18.80029174	-4.007416965	1.040746909	-3.850520171	0.000117867	0.026202409	FDR<0.05
ENSG00000159263	SIM2	single-minded family bHLH transcription factor 2	6493	146.8366155	-3.989458678	2.233095833	-1.786514765	0.074015949	0.999371363	Not Sig
ENSG00000124657	OR2B6	olfactory receptor family 2 subfamily B member 6	26212	2.761798141	-3.948231069	2.090611604	-1.888553121	0.058951734	NA	NA
ENSG00000207551	MIR608	microRNA 608	693193	1.33915385	-3.933904926	3.170829005	-1.240655021	0.214733217	NA	NA

ENSG00000185990	NA	NA	NA	1. 314992121	-3. 923877132	2. 6291505	-1. 492450558	0. 135581069	NA	NA
ENSG00000232938	RPL23AP87	ribosomal protein L23a pseudogene 87	388574	1. 314992121	-3. 923877132	2. 6291505	-1. 492450558	0. 135581069	NA	NA
ENSG00000226421	NA	NA	NA	2. 738041891	-3. 922526738	2. 403958148	-1. 631695103	0. 102743732	NA	NA
ENSG00000164385	LINC01600	long intergenic non-protein coding RNA 1600	154386	7. 380796356	-3. 915642964	1. 465833997	-2. 671273127	0. 007556413	0. 42176576	Not Sig
ENSG00000214280	NA	NA	NA	1. 306540267	-3. 896268796	2. 68404143	-1. 451642569	0. 146601016	NA	NA
ENSG00000199980	NA	NA	NA	1. 297086019	-3. 890772033	3. 195366418	-1. 217629381	0. 223364844	NA	NA
ENSG00000216817	NA	NA	NA	2. 664959786	-3. 889403525	2. 351239569	-1. 654192782	0. 098088349	NA	NA
ENSG00000168126	NA	NA	NA	2. 694241707	-3. 884435234	2. 370143044	-1. 638903291	0. 101233402	NA	NA
ENSG00000203907	OoEP	oocyte expressed protein	441161	7. 152319366	-3. 882249014	1. 551325704	-2. 502536381	0. 012330695	0. 554573015	Not Sig
ENSG00000270523	NA	NA	NA	2. 652173875	-3. 861879391	2. 398707645	-1. 609983358	0. 107401489	NA	NA
ENSG00000223156	NA	NA	NA	2. 65317627	-3. 854450427	2. 365218146	-1. 629638448	0. 103177933	NA	NA
ENSG00000253736	NA	NA	NA	1. 264472435	-3. 853276159	2. 638757151	-1. 460261759	0. 144218148	NA	NA
ENSG00000217862	NA	NA	NA	1. 255018187	-3. 846432358	3. 244080434	-1. 185677247	0. 235749783	NA	NA
ENSG00000257327	NA	NA	NA	1. 248165644	-3. 836190253	2. 690043356	-1. 426070046	0. 153848124	NA	NA
ENSG00000260644	NA	NA	NA	2. 613710143	-3. 831800951	2. 374496234	-1. 613732166	0. 106585534	NA	NA
ENSG00000272647	NA	NA	NA	1. 238711395	-3. 827503963	2. 710271257	-1. 41222173	0. 157884684	NA	NA
ENSG00000121446	RGSL1	regulator of G protein signaling like 1	353299	1. 222404604	-3. 809770019	2. 655651745	-1. 434589466	0. 151404118	NA	NA
ENSG00000227494	NA	NA	NA	1. 222404604	-3. 809770019	2. 655651745	-1. 434589466	0. 151404118	NA	NA
ENSG00000171759	PAH	phenylalanine hydroxylase	5053	25. 70261852	-3. 808365262	1. 453777541	-2. 61963413	0. 008802415	0. 471136671	Not Sig
ENSG00000132915	PDE6A	phosphodiesterase 6A	5145	9. 425467747	-3. 805246097	1. 144382899	-3. 325151136	0. 000883706	0. 111285118	Not Sig
ENSG00000147689	FAM83A	family with sequence similarity 83 member A	84985	2458. 716259	-3. 794649598	1. 214535345	-3. 12436325	0. 001781903	0. 166218577	Not Sig
ENSG00000249518	NA	NA	NA	1. 206097812	-3. 791998654	2. 662584135	-1. 424179843	0. 154394418	NA	NA
ENSG00000233626	NA	NA	NA	1. 21395275	-3. 787637824	3. 353565636	-1. 12943602	0. 258713945	NA	NA
ENSG00000163993	S100P	S100 calcium binding protein P	6286	1061. 827561	-3. 767393394	1. 359128868	-2. 771917721	0. 005572712	0. 347874159	Not Sig
ENSG00000251884	NA	NA	NA	2. 487506648	-3. 758459004	1. 974653101	-1. 903351532	0. 056994691	NA	NA
ENSG00000207559	MIR578	microRNA 578	693163	4. 646458623	-3. 746836438	1. 670827027	-2. 242504088	0. 024928811	NA	NA
ENSG00000166111	SVOP	SV2 related protein	55530	1. 16402998	-3. 746547606	2. 72718099	-1. 373780332	0. 169509889	NA	NA
ENSG00000207924	MIR196A2	microRNA 196a-2	406973	1. 171884918	-3. 739226276	3. 321868307	-1. 125639529	0. 260318129	NA	NA
ENSG00000228653	NA	NA	NA	1. 171884918	-3. 739226276	3. 321868307	-1. 125639529	0. 260318129	NA	NA
ENSG00000239344	NA	NA	NA	1. 171884918	-3. 739226276	3. 321868307	-1. 125639529	0. 260318129	NA	NA
ENSG00000266556	NA	NA	NA	1. 171884918	-3. 739226276	3. 321868307	-1. 125639529	0. 260318129	NA	NA
ENSG00000174482	LINGO2	leucine rich repeat and Ig domain containing 2	158038	11. 14400426	-3. 738570054	1. 138205058	-3. 284619084	0. 001021203	0. 120199932	Not Sig
ENSG00000248494	NA	NA	NA	2. 408939168	-3. 727195263	2. 409645192	-1. 546781773	0. 121915877	NA	NA
ENSG00000250629	NA	NA	NA	1. 131416397	-3. 708552184	2. 827157446	-1. 311760047	0. 189601109	NA	NA
ENSG00000179826	MARGPRX3	MAS related GPR family member X3	117195	1. 139271335	-3. 70024985	3. 345904798	-1. 105904105	0. 268768028	NA	NA

ENSG00000243243	NA	NA	NA	4.237554294	-3.686901568	1.768185966	-2.085132242	0.037057298	NA	NA
ENSG00000127928	GNGT1	G protein subunit gamma transducin 1	2792	59.54453561	-3.685989176	2.631224402	-1.400864622	0.16125456	0.999371363	Not Sig
ENSG00000214243	NA	NA	NA	10.36113624	-3.679428369	1.70747468	-2.154894835	0.031170065	0.912173933	Not Sig
ENSG00000235926	NA	NA	NA	1.105655357	-3.675783672	3.327087337	-1.104805285	0.26924397	NA	NA
ENSG00000268163	NA	NA	NA	1.105655357	-3.675783672	3.327087337	-1.104805285	0.26924397	NA	NA
ENSG00000117983	MUC5B	mucin 5B, oligomeric mucus/gel-forming	727897	64849.38379	-3.671162598	1.430558638	-2.566244054	0.010280647	0.497939162	Not Sig
ENSG00000178828	RNF186	ring finger protein 186	54546	24.89153224	-3.666203314	1.406782717	-2.60609067	0.009158221	0.473243174	Not Sig
ENSG00000231686	NA	NA	NA	1.089348565	-3.655536496	3.363132408	-1.086943971	0.277061572	NA	NA
ENSG00000266932	NA	NA	NA	1.089348565	-3.655536496	3.363132408	-1.086943971	0.277061572	NA	NA
ENSG00000264007	NA	NA	NA	1.080896712	-3.628953446	3.376713702	-1.074699772	0.282509166	NA	NA
ENSG00000261502	NA	NA	NA	17.66886153	-3.618346391	1.573661053	-2.299317496	0.021486917	0.747471674	Not Sig
ENSG00000102385	DRP2	dystrophin related protein 2	1821	29.21000826	-3.615767587	1.099681028	-3.288014882	0.001008965	0.120199932	Not Sig
ENSG00000254907	NA	NA	NA	2.2352327	-3.614836351	2.451124229	-1.474766683	0.140275281	NA	NA
ENSG00000201959	NA	NA	NA	2.234817693	-3.605591403	2.161038116	-1.668453405	0.095225754	NA	NA
ENSG00000166862	CACNG2	calcium voltage-gated channel auxiliary subunit gamma 2	10369	1.045681423	-3.585995663	3.482333672	-1.029767966	0.303118942	NA	NA
ENSG00000261866	NA	NA	NA	1.03882888	-3.575528773	2.842858792	-1.257722959	0.208491966	NA	NA
ENSG00000253813	NA	NA	NA	2.17932674	-3.569291969	2.497140797	-1.42935151	0.152903228	NA	NA
ENSG00000254228	NA	NA	NA	1.029374632	-3.565111861	2.905966632	-1.226824776	0.219888457	NA	NA
ENSG00000231515	NA	NA	NA	2.201889159	-3.561983793	2.070551419	-1.720306852	0.085376679	NA	NA
ENSG00000201469	NA	NA	NA	1.022522088	-3.554243469	3.441806981	-1.032667866	0.301759357	NA	NA
ENSG00000126583	PRKCG	protein kinase C gamma	5582	11.94636016	-3.540448951	1.034328482	-3.422944463	0.000619467	0.083881204	Not Sig
ENSG00000260685	NA	NA	NA	3.833173241	-3.526223586	2.242155378	-1.572693677	0.115789765	NA	NA
ENSG00000259152	NA	NA	NA	2.1100316	-3.522126169	2.510096339	-1.40318366	0.160562079	NA	NA
ENSG00000136275	NA	NA	NA	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000196660	SLC30A10	solute carrier family 30 member 10	55532	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000228120	NA	NA	NA	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000238902	NA	NA	NA	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000248965	NA	NA	NA	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000254589	NA	NA	NA	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000266151	MIR3646	microRNA 3646	100500813	1.004615986	-3.514280267	3.539088148	-0.992990318	0.320714673	NA	NA
ENSG00000207010	NA	NA	NA	0.9873068	-3.50884378	3.53601385	-0.992316187	0.32104331	NA	NA
ENSG00000136002	ARHGEF4	Rho guanine nucleotide exchange factor 4	50649	474.1796292	-3.504962584	1.008245456	-3.476298914	0.000508385	0.072751094	Not Sig
ENSG00000225739	NA	NA	NA	0.980454257	-3.50078213	2.93679189	-1.192042971	0.233244396	NA	NA
ENSG00000228115	NA	NA	NA	3.943766917	-3.495461755	1.624006417	-2.152369423	0.03136827	NA	NA
ENSG00000250579	NA	NA	NA	2.109301642	-3.492793488	2.48742914	-1.404178086	0.160265826	NA	NA

ENSG00000228151	LOC101928733	uncharacterized LOC101928733	101928733	0.988309195	-3.491627988	3.554501841	-0.982311487	0.325946417	NA	NA
ENSG00000273261	NA	NA	NA	2.075685664	-3.480928367	2.128105757	-1.635693318	0.101903789	NA	NA
ENSG00000109047	RCVRN	recoverin	5957	2.026077844	-3.480198284	2.473552941	-1.406963331	0.159438263	NA	NA
ENSG00000263300	NA	NA	NA	0.964147465	-3.475363306	3.558559619	-0.97662079	0.328756923	NA	NA
ENSG00000268433	NA	NA	NA	0.964147465	-3.475363306	3.558559619	-0.97662079	0.328756923	NA	NA
ENSG00000223107	NA	NA	NA	8.522941543	-3.472178491	1.549365099	-2.241033112	0.02502393	0.816524647	Not Sig
ENSG00000261419	NA	NA	NA	0.954693217	-3.463668719	3.492362629	-0.991783811	0.321302996	NA	NA
ENSG00000270989	NA	NA	NA	0.954693217	-3.463668719	3.492362629	-0.991783811	0.321302996	NA	NA
ENSG00000255316	NA	NA	NA	2.032333472	-3.463389588	2.498743013	-1.386052735	0.165730801	NA	NA
ENSG00000231001	NA	NA	NA	0.962548155	-3.456090648	3.527347171	-0.979798835	0.327185427	NA	NA
ENSG00000243548	NA	NA	NA	0.962548155	-3.456090648	3.527347171	-0.979798835	0.327185427	NA	NA
ENSG00000251439	NA	NA	NA	0.962548155	-3.456090648	3.527347171	-0.979798835	0.327185427	NA	NA
ENSG00000227083	NA	NA	NA	2.060381267	-3.453541232	2.184407751	-1.580996603	0.113878815	NA	NA
ENSG00000203614	NA	NA	NA	2.002736602	-3.445781312	2.509338634	-1.373183063	0.169695444	NA	NA
ENSG00000253840	NA	NA	NA	0.938386425	-3.440322072	3.523871788	-0.976290364	0.328920594	NA	NA
ENSG00000237998	NA	NA	NA	0.946241363	-3.428375889	2.989617723	-1.146760625	0.251480567	NA	NA
ENSG00000232732	NA	NA	NA	7.590447779	-3.414474623	1.433335574	-2.382187874	0.017210115	0.670000634	Not Sig
ENSG00000197825	NA	NA	NA	0.929934571	-3.408709163	3.56070583	-0.957312771	0.338409411	NA	NA
ENSG00000236182	NA	NA	NA	0.929934571	-3.408709163	3.56070583	-0.957312771	0.338409411	NA	NA
ENSG00000236394	NA	NA	NA	0.929934571	-3.408709163	3.56070583	-0.957312771	0.338409411	NA	NA
ENSG00000266995	NA	NA	NA	0.929934571	-3.408709163	3.56070583	-0.957312771	0.338409411	NA	NA
ENSG00000178660	NA	NA	NA	0.920480323	-3.396087663	3.570689753	-0.951101299	0.341552955	NA	NA
ENSG00000207293	NA	NA	NA	0.920480323	-3.396087663	3.570689753	-0.951101299	0.341552955	NA	NA
ENSG00000226918	NA	NA	NA	0.920480323	-3.396087663	3.570689753	-0.951101299	0.341552955	NA	NA
ENSG00000251880	NA	NA	NA	0.920480323	-3.396087663	3.570689753	-0.951101299	0.341552955	NA	NA
ENSG00000255629	NA	NA	NA	0.920480323	-3.396087663	3.570689753	-0.951101299	0.341552955	NA	NA
ENSG00000266247	NA	NA	NA	1.941345266	-3.394191835	2.102526483	-1.614339635	0.106453778	NA	NA
ENSG00000238642	NA	NA	NA	1.976245604	-3.394112354	2.094027248	-1.620853958	0.105048963	NA	NA
ENSG00000239480	NA	NA	NA	1.942762668	-3.391908465	2.583912235	-1.31270266	0.189283161	NA	NA
ENSG00000122133	PAEP	progesterone associated endometrial protein	5047	26.71151014	-3.3889509	1.720265053	-1.97001671	0.048836455	0.999371363	Not Sig
ENSG00000260096	NA	NA	NA	3.678839143	-3.369098411	2.04838362	-1.644759496	0.100019418	NA	NA
ENSG00000271907	SNORA35B	small nucleolar RNA, H/ACA box 35B	109617004	1.934177772	-3.364634782	2.096653509	-1.604764339	0.108545677	NA	NA
ENSG00000199327	NA	NA	NA	1.94203271	-3.359586998	2.546379561	-1.319358295	0.187049357	NA	NA
ENSG00000198077	CYP2A7	cytochrome P450 family 2 subfamily A member 7	1549	1.910016043	-3.359530781	2.500817457	-1.343373052	0.179151208	NA	NA
ENSG00000223012	NA	NA	NA	0.88786674	-3.345173102	2.992495961	-1.11785384	0.263629422	NA	NA

ENSG00000236444	NA	NA	NA	0.88786674	-3.345173102	2.992495961	-1.11785384	0.263629422	NA	NA
ENSG00000253310	NA	NA	NA	0.88786674	-3.345173102	2.992495961	-1.11785384	0.263629422	NA	NA
ENSG00000269559	NA	NA	NA	0.88786674	-3.345173102	2.992495961	-1.11785384	0.263629422	NA	NA
ENSG00000270711	NA	NA	NA	0.88786674	-3.345173102	2.992495961	-1.11785384	0.263629422	NA	NA
ENSG00000264322	NA	NA	NA	1.89082558	-3.341952017	2.253722558	-1.482858662	0.138111966	NA	NA
ENSG00000249605	NA	NA	NA	7.188446229	-3.341505289	1.397293659	-2.391412333	0.016783692	0.662561221	Not Sig
ENSG00000112212	TSP02	translocator protein 2	222642	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000172772	OR10W1	olfactory receptor family 10 subfamily W member 1	81341	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000175065	DSG4	desmoglein 4	147409	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000185863	TMEM210	transmembrane protein 210	100505993	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000207637	MIR595	microRNA 595	693180	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000212428	NA	NA	NA	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000227204	NA	NA	NA	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000231896	NA	NA	NA	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000237636	NA	NA	NA	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000252902	NA	NA	NA	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000257138	TAS2R38	taste 2 receptor member 38	5726	0.878412491	-3.333650598	3.67049418	-0.908229365	0.363757053	NA	NA
ENSG00000247151	CSTF3-AS1	CSTF3 antisense RNA 1 (head to head)	338739	5.460273557	-3.3277684	1.438757857	-2.312945423	0.02072564	NA	NA
ENSG00000156194	PPEF2	protein phosphatase with EF-hand domain 2	5470	0.871559948	-3.321473066	3.625835547	-0.916057285	0.35963685	NA	NA
ENSG00000219274	NA	NA	NA	0.871559948	-3.321473066	3.625835547	-0.916057285	0.35963685	NA	NA
ENSG00000067715	SYT1	synaptotagmin 1	6857	221.9408813	-3.318515074	1.02571786	-3.235309829	0.001215108	0.134691726	Not Sig
ENSG00000236242	MYO16-AS1	MYO16 antisense RNA 1	100885782	36.70715994	-3.318235962	1.277529034	-2.597385948	0.009393631	0.476991917	Not Sig
ENSG00000240375	NA	NA	NA	5.231746331	-3.311334755	1.591379277	-2.080795447	0.037452633	NA	NA
ENSG00000233073	NA	NA	NA	5.224073301	-3.311046949	1.436330137	-2.305213032	0.021154645	NA	NA
ENSG00000258136	LOC101929162	uncharacterized LOC101929162	101929162	0.8621057	-3.308412599	3.054239566	-1.083219743	0.278710898	NA	NA
ENSG00000235411	NA	NA	NA	1.808289227	-3.297038943	2.172391204	-1.517700374	0.12908995	NA	NA
ENSG00000255441	NA	NA	NA	6.811516904	-3.29633308	1.820862711	-1.810313902	0.070247122	0.999371363	Not Sig
ENSG00000160886	LY6K	lymphocyte antigen 6 family member K	54742	91.8898965	-3.286742797	1.261381244	-2.605669627	0.009169486	0.473243174	Not Sig
ENSG00000267354	NA	NA	NA	3.44781027	-3.28511461	1.845940875	-1.779642378	0.075134506	NA	NA
ENSG00000242100	NA	NA	NA	0.845798908	-3.283334776	3.02693783	-1.084705059	0.278052307	NA	NA
ENSG00000253790	NA	NA	NA	0.845798908	-3.283334776	3.02693783	-1.084705059	0.278052307	NA	NA
ENSG00000266920	NA	NA	NA	0.845798908	-3.283334776	3.02693783	-1.084705059	0.278052307	NA	NA
ENSG00000255319	NA	NA	NA	1.78938073	-3.280918543	2.599236038	-1.26226264	0.206854295	NA	NA
ENSG00000252375	NA	NA	NA	1.841590255	-3.277746317	2.21480819	-1.479923332	0.138893708	NA	NA
ENSG00000163283	ALPP	alkaline phosphatase, placental	250	61.75865686	-3.266729226	1.147470028	-2.846897215	0.004414761	0.301021826	Not Sig

ENSG00000258566	NA	NA	NA	1.790383125	-3.264177019	2.169787592	-1.504376295	0.132484504	NA	NA
ENSG00000243384	NA	NA	NA	0.829492116	-3.257638661	3.082191117	-1.056922993	0.290546734	NA	NA
ENSG00000265657	MIR3151	microRNA 3151	100422992	1.750329611	-3.25455785	2.555955992	-1.273323117	0.202903407	NA	NA
ENSG00000230291	NA	NA	NA	1.799522424	-3.245385887	2.227859567	-1.456728213	0.145191419	NA	NA
ENSG00000253258	NA	NA	NA	8.181900586	-3.244053729	1.562271229	-2.076498414	0.037847878	0.999371363	Not Sig
ENSG00000006047	YBX2	Y-box binding protein 2	51087	21.61197338	-3.242286075	1.446651585	-2.241234938	0.025010861	0.816524647	Not Sig
ENSG00000211798	NA	NA	NA	0.820037868	-3.241648971	3.742643587	-0.866138839	0.386414029	NA	NA
ENSG00000223963	NA	NA	NA	0.820037868	-3.241648971	3.742643587	-0.866138839	0.386414029	NA	NA
ENSG00000233670	PIRT	phosphoinositide interacting regulator of transient receptor potential channels	644139	0.820037868	-3.241648971	3.742643587	-0.866138839	0.386414029	NA	NA
ENSG00000261787	TCF24	transcription factor 24	100129654	6.577694889	-3.234846074	1.398396956	-2.313253086	0.020708728	NA	NA
ENSG00000128578	STRIP2	striatin interacting protein 2	57464	347.7465532	-3.232170566	0.932826098	-3.464922963	0.000530383	0.073396901	Not Sig
ENSG00000268948	NA	NA	NA	5.005687769	-3.228739946	1.905582156	-1.694358827	0.090197118	NA	NA
ENSG00000256803	LOC102724020	uncharacterized LOC102724020	102724020	0.813185325	-3.228728849	3.751458556	-0.860659608	0.389425546	NA	NA
ENSG00000256884	LOC105370024	uncharacterized LOC105370024	105370024	0.813185325	-3.228728849	3.751458556	-0.860659608	0.389425546	NA	NA
ENSG00000187288	CIDEC	cell death inducing DFFA like effector c	63924	0.803731076	-3.214716312	3.712331058	-0.865956258	0.38651415	NA	NA
ENSG00000234795	NA	NA	NA	0.803731076	-3.214716312	3.712331058	-0.865956258	0.38651415	NA	NA
ENSG00000221201	NA	NA	NA	1.733425904	-3.213118559	2.640410874	-1.216900972	0.223641896	NA	NA
ENSG00000207105	NA	NA	NA	3.296848129	-3.207583263	2.081361473	-1.541098605	0.123292789	NA	NA
ENSG00000235548	NA	NA	NA	61.78684821	-3.203253743	1.172617886	-2.731711481	0.006300629	0.379635506	Not Sig
ENSG00000169213	RAB3B	RAB3B, member RAS oncogene family	5865	115.6138113	-3.201568003	1.072963629	-2.983855105	0.002846415	0.235821761	Not Sig
ENSG00000145850	TIMD4	T-cell immunoglobulin and mucin domain containing 4	91937	36.63586567	-3.191764167	0.856643733	-3.725894493	0.000194624	0.037706117	FDR<0.05
ENSG00000253426	NA	NA	NA	23.7032029	-3.188678601	1.217917285	-2.618140525	0.008841039	0.471136671	Not Sig
ENSG00000165863	C10orf82	chromosome 10 open reading frame 82	143379	0.787424285	-3.187095834	3.734804194	-0.853350181	0.39346514	NA	NA
ENSG00000221561	NA	NA	NA	0.787424285	-3.187095834	3.734804194	-0.853350181	0.39346514	NA	NA
ENSG00000271529	NA	NA	NA	0.787424285	-3.187095834	3.734804194	-0.853350181	0.39346514	NA	NA
ENSG00000236266	NA	NA	NA	1.68994067	-3.185320941	2.18014538	-1.461058959	0.143999262	NA	NA
ENSG00000255177	NA	NA	NA	16.24487033	-3.180255996	1.310600253	-2.426564461	0.015242542	0.627285408	Not Sig
ENSG00000201023	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000215976	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000221180	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000230828	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000239021	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000241791	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000243072	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000259598	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA

ENSG00000262668	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000266185	NA	NA	NA	0.795279223	-3.177172271	3.801145953	-0.835845903	0.403241599	NA	NA
ENSG00000134827	TCN1	transcobalamin 1	6947	92.16173589	-3.167029818	1.424428788	-2.223368303	0.026190975	0.837114088	Not Sig
ENSG00000225216	NA	NA	NA	0.771117493	-3.158603146	3.810021322	-0.829025058	0.407090228	NA	NA
ENSG00000226491	NA	NA	NA	0.771117493	-3.158603146	3.810021322	-0.829025058	0.407090228	NA	NA
ENSG00000232730	NA	NA	NA	0.771117493	-3.158603146	3.810021322	-0.829025058	0.407090228	NA	NA
ENSG00000254041	LOC101927392	uncharacterized LOC101927392	101927392	0.771117493	-3.158603146	3.810021322	-0.829025058	0.407090228	NA	NA
ENSG00000201168	NA	NA	NA	1.716389155	-3.157369001	2.28668714	-1.380761253	0.167352381	NA	NA
ENSG00000232803	SLC04A1-AS1	SLC04A1 antisense RNA 1	100127888	11.72253782	-3.153775462	1.332011865	-2.367678205	0.017900097	0.674897979	Not Sig
ENSG00000158164	TMSB15A	thymosin beta 15a	11013	13.16436431	-3.153405965	1.291552111	-2.441563091	0.014623833	0.612454873	Not Sig
ENSG00000158164	TMSB15B	thymosin beta 15B	286527	13.16436431	-3.153405965	1.291552111	-2.441563091	0.014623833	0.612454873	Not Sig
ENSG00000215482	NA	NA	NA	1.641435303	-3.150905223	2.253996274	-1.397919446	0.162137258	NA	NA
ENSG00000213549	NA	NA	NA	0.778972431	-3.14863302	3.823856455	-0.823418206	0.410270214	NA	NA
ENSG00000239064	NA	NA	NA	0.778972431	-3.14863302	3.823856455	-0.823418206	0.410270214	NA	NA
ENSG00000242941	NA	NA	NA	0.778972431	-3.14863302	3.823856455	-0.823418206	0.410270214	NA	NA
ENSG00000248996	NA	NA	NA	0.778972431	-3.14863302	3.823856455	-0.823418206	0.410270214	NA	NA
ENSG00000254312	NA	NA	NA	0.778972431	-3.14863302	3.823856455	-0.823418206	0.410270214	NA	NA
ENSG00000256822	NA	NA	NA	0.778972431	-3.14863302	3.823856455	-0.823418206	0.410270214	NA	NA
ENSG00000232293	NA	NA	NA	15.12176432	-3.143136033	1.668406788	-1.883914676	0.059576518	0.999371363	Not Sig
ENSG00000270728	NA	NA	NA	1.690628115	-3.140344426	2.606437619	-1.204841583	0.228264464	NA	NA
ENSG00000265595	MIR4756	microRNA 4756	100616225	10.43079006	-3.128972193	1.497493863	-2.089472465	0.036665214	0.995739028	Not Sig
ENSG00000240253	NA	NA	NA	2.93019354	-3.122207592	2.293755814	-1.361176972	0.17345777	NA	NA
ENSG00000267426	NA	NA	NA	1.639420985	-3.121750599	2.278588248	-1.370037172	0.170675298	NA	NA
ENSG00000116014	KISS1R	KISS1 receptor	84634	19.79276557	-3.11555117	1.484456187	-2.098782839	0.035836048	0.978922681	Not Sig
ENSG00000264357	MIR4648	microRNA 4648	100616116	4.547557643	-3.10874434	1.37357988	-2.263242483	0.023620746	NA	NA
ENSG00000213917	NA	NA	NA	1.616676658	-3.106756116	2.243234916	-1.384944614	0.166069404	NA	NA
ENSG00000212517	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000231222	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000251178	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000263599	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000271455	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000272609	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000273232	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000273394	NA	NA	NA	0.753211391	-3.103995959	3.824275548	-0.811655938	0.416989084	NA	NA
ENSG00000224273	NA	NA	NA	1.613659945	-3.10329162	2.639239719	-1.175827871	0.239663667	NA	NA

ENSG00000257743	MGAM2	maltase-glucoamylase 2 (putative)	93432	6.412174191	-3.09304734	1.466710149	-2.108833392	0.034958965	NA	NA
ENSG00000240411	NA	NA	NA	1.632253492	-3.085603473	2.273160187	-1.357406966	0.174651936	NA	NA
ENSG00000238746	NA	NA	NA	3.338186003	-3.081993596	2.300325926	-1.339807356	0.180307984	NA	NA
ENSG00000220793	NA	NA	NA	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000225475	NA	NA	NA	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000227613	NA	NA	NA	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000230194	NA	NA	NA	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000238945	NA	NA	NA	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000251952	NA	NA	NA	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000259125	LRP1-AS	LRP1 antisense RNA	105751187	0.736904599	-3.07075449	3.216135593	-0.954796339	0.339680699	NA	NA
ENSG00000207286	NA	NA	NA	1.606492452	-3.065192592	2.663488216	-1.150818905	0.249806746	NA	NA
ENSG00000145113	MUC4	mucin 4, cell surface associated	4585	11390.24006	-3.060494692	1.20138178	-2.547478864	0.010850443	0.51562122	Not Sig
ENSG00000213590	NA	NA	NA	16.92259346	-3.053696409	1.087649258	-2.807611357	0.004991042	0.327188303	Not Sig
ENSG00000170486	KRT72	keratin 72	140807	1.54057784	-3.050946782	2.671908335	-1.141860573	0.253511979	NA	NA
ENSG00000253869	NA	NA	NA	1.548847786	-3.049015295	2.317815044	-1.315469629	0.188352118	NA	NA
ENSG00000222596	NA	NA	NA	0.720597808	-3.043521234	3.875175581	-0.785389248	0.432225383	NA	NA
ENSG00000266631	NA	NA	NA	0.720597808	-3.043521234	3.875175581	-0.785389248	0.432225383	NA	NA
ENSG00000180785	OR51E1	olfactory receptor family 51 subfamily E member 1	143503	2.946003474	-3.030572933	1.869255974	-1.6212723	0.104959253	NA	NA
ENSG00000120875	DUSP4	dual specificity phosphatase 4	1846	2302.989935	-3.02981259	0.852788406	-3.552830419	0.00038111	0.059991488	Not Sig
ENSG00000204949	FAM83A-AS1	FAM83A antisense RNA 1	100131726	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000206725	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000207960	MIR153-2	microRNA 153-2	406945	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000214970	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000222800	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000224374	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000225246	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000229184	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000236591	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000244144	NA	NA	NA	0.711143559	-3.027479757	3.928104797	-0.770722756	0.44087128	NA	NA
ENSG00000271555	NA	NA	NA	2.96331266	-3.026301254	2.066157398	-1.464700248	0.143002717	NA	NA
ENSG00000244266	NA	NA	NA	1.56442462	-3.026026565	2.743978309	-1.102788078	0.270119207	NA	NA
ENSG00000231440	NA	NA	NA	1.529524281	-3.026009415	2.759746735	-1.096480839	0.272868404	NA	NA
ENSG00000200042	NA	NA	NA	7.383886615	-3.020831886	1.730222521	-1.74592103	0.080824675	0.999371363	Not Sig
ENSG00000144366	GULP1	GULP, engulfment adaptor PTB domain containing 1	51454	1534.518292	-3.017497769	0.939408113	-3.21212658	0.001317563	0.138267267	Not Sig
ENSG00000099617	EFNA2	ephrin A2	1943	45.48980062	-2.99791289	1.280960298	-2.340363629	0.019264973	0.707299708	Not Sig

ENSG00000201201	NA	NA	NA	0.694836768	-2.995755103	3.264622596	-0.91764209	0.358806275	NA	NA
ENSG00000216162	NA	NA	NA	0.694836768	-2.995755103	3.264622596	-0.91764209	0.358806275	NA	NA
ENSG00000225178	NA	NA	NA	0.694836768	-2.995755103	3.264622596	-0.91764209	0.358806275	NA	NA
ENSG00000225802	NA	NA	NA	0.694836768	-2.995755103	3.264622596	-0.91764209	0.358806275	NA	NA
ENSG00000260284	NA	NA	NA	0.694836768	-2.995755103	3.264622596	-0.91764209	0.358806275	NA	NA
ENSG00000232934	NA	NA	NA	1.491475558	-2.976691041	2.720337104	-1.094236092	0.273851446	NA	NA
ENSG00000185479	KRT6B	keratin 6B	3854	5.79255736	-2.971302072	1.513304145	-1.963453336	0.049593522	NA	NA
ENSG00000152463	OLAH	oleoyl-ACP hydrolase	55301	1.473751363	-2.969884268	2.706286321	-1.097402091	0.27246566	NA	NA
ENSG00000224236	NA	NA	NA	1.488458845	-2.968050641	2.696880988	-1.100549358	0.271092836	NA	NA
ENSG00000207087	NA	NA	NA	0.678529976	-2.964588921	3.284677125	-0.902551091	0.366764194	NA	NA
ENSG00000221211	NA	NA	NA	0.678529976	-2.964588921	3.284677125	-0.902551091	0.366764194	NA	NA
ENSG00000229163	NA	NA	NA	0.678529976	-2.964588921	3.284677125	-0.902551091	0.366764194	NA	NA
ENSG00000261240	NA	NA	NA	0.678529976	-2.964588921	3.284677125	-0.902551091	0.366764194	NA	NA
ENSG00000271716	NA	NA	NA	0.678529976	-2.964588921	3.284677125	-0.902551091	0.366764194	NA	NA
ENSG00000249774	NA	NA	NA	4.115594037	-2.961404031	1.607074479	-1.842729799	0.065368471	NA	NA
ENSG00000270880	NA	NA	NA	1.489743205	-2.953392536	2.695294383	-1.095758799	0.273184343	NA	NA
ENSG00000176857	NA	NA	NA	1.441552788	-2.948625802	2.336294016	-1.262095345	0.20691448	NA	NA
ENSG00000232194	NA	NA	NA	1.472152053	-2.946689274	2.353637552	-1.251972408	0.210579918	NA	NA
ENSG00000230251	NA	NA	NA	2.642976741	-2.941930417	1.931936133	-1.522788651	0.12781159	NA	NA
ENSG00000207579	MIR662	microRNA 662	724032	12.19664266	-2.940047287	1.393854073	-2.109293466	0.034919258	0.965260677	Not Sig
ENSG00000165887	ANKRD2	ankyrin repeat domain 2	26287	2.580766287	-2.93220553	2.132216004	-1.375191597	0.169072053	NA	NA
ENSG00000183586	NA	NA	NA	0.662223185	-2.930842836	3.976580618	-0.737025882	0.46110661	NA	NA
ENSG00000233307	NA	NA	NA	0.662223185	-2.930842836	3.976580618	-0.737025882	0.46110661	NA	NA
ENSG00000236575	NA	NA	NA	0.662223185	-2.930842836	3.976580618	-0.737025882	0.46110661	NA	NA
ENSG00000238940	NA	NA	NA	0.662223185	-2.930842836	3.976580618	-0.737025882	0.46110661	NA	NA
ENSG00000240677	NA	NA	NA	0.662223185	-2.930842836	3.976580618	-0.737025882	0.46110661	NA	NA
ENSG00000269296	NA	NA	NA	0.662223185	-2.930842836	3.976580618	-0.737025882	0.46110661	NA	NA
ENSG00000222316	NA	NA	NA	1.449407726	-2.930424674	2.358948568	-1.242258824	0.214141082	NA	NA
ENSG00000212951	NA	NA	NA	1.455845261	-2.930385542	2.356502803	-1.243531533	0.213672029	NA	NA
ENSG00000233448	NA	NA	NA	1.4907456	-2.930175037	2.343518046	-1.250331758	0.211178382	NA	NA
ENSG00000232706	NA	NA	NA	2.619817406	-2.928911801	1.971913071	-1.485314867	0.137460435	NA	NA
ENSG00000145358	DDIT4L	DNA damage inducible transcript 4 like	115265	150.3521637	-2.922501373	1.076094143	-2.715841724	0.006610751	0.393801452	Not Sig
ENSG00000179564	LSMEM2	leucine rich single-pass membrane protein 2	132228	2.603510615	-2.921074259	2.053525972	-1.422467648	0.154890537	NA	NA
ENSG00000270431	NA	NA	NA	1.474438808	-2.917600285	2.694033565	-1.08298587	0.278814695	NA	NA
ENSG00000213421	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA

ENSG00000221181	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000231188	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000233668	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000235389	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000259091	LINC00517	long intergenic non-protein coding RNA 517	400208	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000266261	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000271620	NA	NA	NA	0.652768936	-2.913590085	3.977411969	-0.732534147	0.463842608	NA	NA
ENSG00000233024	NPIPA5	nuclear pore complex interacting protein family member A5	100288332	3.87619516	-2.911859863	1.52419288	-1.910427415	0.056078204	NA	NA
ENSG00000163501	IHH	indian hedgehog	3549	40.4946186	-2.908998421	1.248351362	-2.330272157	0.019791771	0.711521581	Not Sig
ENSG00000112541	PDE10A	phosphodiesterase 10A	10846	405.1722368	-2.906421636	0.766381651	-3.7923946	0.000149202	0.030304767	FDR<0.05
ENSG00000267596	NA	NA	NA	1.399484956	-2.903185583	2.70155208	-1.074636171	0.282537651	NA	NA
ENSG00000125508	SRMS	serum retinol-binding protein 4	6725	45.73185949	-2.897644618	1.427845262	-2.029382802	0.042419315	0.999371363	Not Sig
ENSG00000222588	NA	NA	NA	2.551806626	-2.895733832	2.118014383	-1.367192714	0.171564909	NA	NA
ENSG00000105048	TNNT1	troponin T1, slow skeletal type	7138	144.2321487	-2.893871627	1.023638746	-2.827043855	0.004697989	0.31302529	Not Sig
ENSG00000213854	NA	NA	NA	4.236269643	-2.892161541	1.922875702	-1.504081381	0.132560414	NA	NA
ENSG00000270951	NA	NA	NA	2.576150264	-2.891443033	1.909021628	-1.514620364	0.129868572	NA	NA
ENSG00000150556	LYPD6B	LY6/PLAUR domain containing 6B	130576	114.627388	-2.887116557	0.884664266	-3.263516646	0.001100387	0.124839423	Not Sig
ENSG00000255498	NA	NA	NA	3.985776913	-2.886840159	1.409693711	-2.047849214	0.040574776	NA	NA
ENSG00000126952	NXF5	nuclear RNA export factor 5	55998	1.3896157	-2.885722216	2.733476983	-1.055696548	0.291106875	NA	NA
ENSG00000249641	HOXC13-AS	HOXC13 antisense RNA	100874366	1.397885646	-2.883344918	2.750102701	-1.048449906	0.294431371	NA	NA
ENSG00000207932	MIR33A	microRNA 33a	407039	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000225354	NA	NA	NA	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000225606	NA	NA	NA	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000237740	NA	NA	NA	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000260521	NA	NA	NA	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000268146	NA	NA	NA	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000270739	NA	NA	NA	0.636462144	-2.879750044	3.979071173	-0.723724185	0.469235082	NA	NA
ENSG00000258847	NA	NA	NA	1.432370977	-2.872348575	2.33785959	-1.228623219	0.219213106	NA	NA
ENSG00000207716	MIR572	microRNA 572	693157	1.38801639	-2.864591069	2.369919526	-1.208729257	0.226766878	NA	NA
ENSG00000269371	NA	NA	NA	2.494616306	-2.85322803	2.370418805	-1.20368098	0.228712906	NA	NA
ENSG00000157211	CDCP2	CUB domain containing protein 2	200008	2.454380884	-2.851235892	1.955079201	-1.4583736	0.144737593	NA	NA
ENSG00000221115	NA	NA	NA	1.365272062	-2.847391078	2.319149188	-1.227774001	0.219531818	NA	NA
ENSG00000170162	VGLL2	vestigial like family member 2	245806	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000181741	NA	NA	NA	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000187550	SBK2	SH3 domain binding kinase family member 2	646643	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA

ENSG00000204049	NA	NA	NA	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000220993	NA	NA	NA	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000228812	LAMA5-AS1	LAMA5 antisense RNA 1	101928158	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000257065	NA	NA	NA	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000260726	NA	NA	NA	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000263847	NA	NA	NA	0.620155353	-2.845206873	3.980804632	-0.714731602	0.474774906	NA	NA
ENSG00000183971	NPW	neuropeptide W	283869	69.99562613	-2.844194517	0.982778366	-2.89403452	0.003803263	0.278456377	Not Sig
ENSG00000238721	NA	NA	NA	1.348965271	-2.830266416	2.322365555	-1.218699791	0.222958158	NA	NA
ENSG00000186529	CYP4F3	cytochrome P450 family 4 subfamily F member 3	4051	52.96395737	-2.829266862	0.804840717	-3.515312784	0.000439236	0.065848846	Not Sig
ENSG00000226889	NA	NA	NA	1.380848896	-2.821959602	2.427161758	-1.162658233	0.244968194	NA	NA
ENSG00000231863	NA	NA	NA	1.380848896	-2.821959602	2.427161758	-1.162658233	0.244968194	NA	NA
ENSG00000107954	NEURL1	neuralized E3 ubiquitin protein ligase 1	9148	53.18881182	-2.821404643	1.168340877	-2.414881392	0.015740334	0.643565034	Not Sig
ENSG00000230267	NA	NA	NA	16.61683347	-2.818259641	1.588042618	-1.774675069	0.075951554	0.999371363	Not Sig
ENSG00000227582	NA	NA	NA	4.739893526	-2.81614765	1.81196895	-1.554192003	0.120138625	NA	NA
ENSG00000173626	TRAPPC3L	trafficking protein particle complex 3 like	100128327	3.80220119	-2.809181304	1.459243819	-1.925093851	0.054217618	NA	NA
ENSG00000273108	NA	NA	NA	2.593741416	-2.805386771	2.090033443	-1.342268843	0.179508842	NA	NA
ENSG00000100665	SERPINA4	serpin family A member 4	5267	22.86252606	-2.804316186	3.481087137	-0.805586323	0.420481414	0.999371363	Not Sig
ENSG00000168746	LINC01620	long intergenic non-protein coding RNA 1620	140834	1.348235313	-2.787196989	2.354667307	-1.183690358	0.236535657	NA	NA
ENSG00000168746	LINC01430	long intergenic non-protein coding RNA 1430	101927242	1.348235313	-2.787196989	2.354667307	-1.183690358	0.236535657	NA	NA
ENSG00000252334	NA	NA	NA	1.348235313	-2.787196989	2.354667307	-1.183690358	0.236535657	NA	NA
ENSG00000234208	NA	NA	NA	4.892727414	-2.780332421	1.505470503	-1.846819593	0.064773291	NA	NA
ENSG00000237621	NA	NA	NA	1.314752377	-2.772162436	2.801926823	-0.989377172	0.322478639	NA	NA
ENSG00000168124	OR1F1	olfactory receptor family 1 subfamily F member 1	4992	1.321189913	-2.772111312	2.798206527	-0.990674307	0.321844641	NA	NA
ENSG00000247903	NA	NA	NA	1.321189913	-2.772111312	2.798206527	-0.990674307	0.321844641	NA	NA
ENSG00000242311	NA	NA	NA	3.918220479	-2.771783203	1.537851003	-1.802374351	0.071486528	NA	NA
ENSG00000255496	NA	NA	NA	1.297028183	-2.769077842	2.389853389	-1.158681053	0.246586217	NA	NA
ENSG00000232745	NA	NA	NA	81.29747587	-2.768717738	0.885345093	-3.127275182	0.001764347	0.165809118	Not Sig
ENSG00000143469	SYT14	synaptotagmin 14	255928	4.888111391	-2.766817263	1.67116539	-1.655621449	0.097798504	NA	NA
ENSG00000226186	NA	NA	NA	2.545641528	-2.766439381	2.198753717	-1.258185198	0.208324787	NA	NA
ENSG00000143452	HORMAD1	HORMA domain containing 1	84072	276.6139379	-2.764372455	1.306589902	-2.11571546	0.034369015	0.964129947	Not Sig
ENSG00000230856	NA	NA	NA	1.287573935	-2.756482213	2.788858248	-0.988390936	0.322961225	NA	NA
ENSG00000213235	NA	NA	NA	3.501006867	-2.755157038	1.624582808	-1.695916653	0.089901665	NA	NA
ENSG00000083782	EPYC	epiphycan	1833	1.33978346	-2.747514591	2.458164665	-1.117709741	0.263690981	NA	NA
ENSG00000259100	NA	NA	NA	1.33978346	-2.747514591	2.458164665	-1.117709741	0.263690981	NA	NA
ENSG00000179111	HES7	hes family bHLH transcription factor 7	84667	4.7439615	-2.745996238	1.477468736	-1.85858162	0.063086464	NA	NA

ENSG00000150394	CDH8	cadherin 8	1006	29.21068306	-2.739869716	1.2887088	-2.126058048	0.033498426	0.947967831	Not Sig
ENSG00000229664	NA	NA	NA	1.306167481	-2.737976919	2.749612751	-0.995768192	0.319362788	NA	NA
ENSG00000271228	NA	NA	NA	1.306167481	-2.737976919	2.749612751	-0.995768192	0.319362788	NA	NA
ENSG00000113525	IL5	interleukin 5	3567	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000123165	ACTRT1	actin related protein T1	139741	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000173389	IQCF1	IQ motif containing F1	132141	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000180610	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000199373	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000199529	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000202472	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000206681	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000210100	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000213500	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000216904	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000222375	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000224276	LOC107985210	uncharacterized LOC107985210	107985210	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000228360	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000231203	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000250268	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000251821	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000256306	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000258083	OR9A4	olfactory receptor family 9 subfamily A member 4	130075	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000270423	NA	NA	NA	0.585942459	-2.735673638	3.986577754	-0.686221067	0.492573715	NA	NA
ENSG00000266507	MIR4479	microRNA 4479	100616480	10.42382322	-2.725759583	1.055114342	-2.583378383	0.009783795	0.490865881	Not Sig
ENSG00000214940	NPIPA8	nuclear pore complex interacting protein family member A8	101059953	3.441214841	-2.725226154	1.601728306	-1.701428477	0.088862558	NA	NA
ENSG00000089116	LHX5	LIM homeobox 5	64211	1.272684545	-2.724151118	2.803071594	-0.971845002	0.331127664	NA	NA
ENSG00000264263	NA	NA	NA	1.254960351	-2.718625733	2.777255907	-0.978889171	0.327634743	NA	NA
ENSG00000211692	NA	NA	NA	2.413182405	-2.717905388	1.870960289	-1.452679356	0.146312801	NA	NA
ENSG00000175868	CALCB	calcitonin related polypeptide beta	797	30.42833349	-2.717254889	0.97114017	-2.798004833	0.005141934	0.33036928	Not Sig
ENSG00000206192	NA	NA	NA	3.394945994	-2.703163907	1.763022265	-1.533255683	0.125212869	NA	NA
ENSG00000206785	SNORA15B-1	small nucleolar RNA, H/ACA box 15B-1	109616962	1.256377754	-2.700441731	2.433091124	-1.10988105	0.267050287	NA	NA
ENSG00000206785	SNORA15B-2	small nucleolar RNA, H/ACA box 15B-2	109617022	1.256377754	-2.700441731	2.433091124	-1.10988105	0.267050287	NA	NA
ENSG00000223566	NA	NA	NA	1.256377754	-2.700441731	2.433091124	-1.10988105	0.267050287	NA	NA
ENSG00000235670	NA	NA	NA	1.256377754	-2.700441731	2.433091124	-1.10988105	0.267050287	NA	NA
ENSG00000144158	NA	NA	NA	1.262815289	-2.700397805	2.430071822	-1.111241972	0.266464209	NA	NA

ENSG00000222760	NA	NA	NA	1.273553898	-2.69921886	2.786669722	-0.968618146	0.332735746	NA	NA
ENSG00000203307	NA	NA	NA	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000224163	NA	NA	NA	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000228499	NA	NA	NA	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000236072	NA	NA	NA	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000249690	LOC729558	uncharacterized LOC729558	729558	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000263363	MIR5702	microRNA 5702	100847053	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000266433	TBC1D3P5	TBC1 domain family member 3 pseudogene 5	440419	0.569635668	-2.697096694	3.988715244	-0.67618181	0.49892522	NA	NA
ENSG00000261665	NA	NA	NA	2.274225983	-2.684975667	2.018317541	-1.330303886	0.183418167	NA	NA
ENSG00000239389	PCDHA13	protocadherin alpha 13	56136	97.35543098	-2.681597076	0.832053897	-3.22286463	0.001269155	0.135444671	Not Sig
ENSG00000264491	NA	NA	NA	1.246508498	-2.681269582	2.434126947	-1.101532353	0.270665032	NA	NA
ENSG00000223609	HBD	hemoglobin subunit delta	3045	8.889308094	-2.680968172	1.978479417	-1.35506498	0.175396855	0.999371363	Not Sig
ENSG00000235688	NA	NA	NA	3.530470695	-2.679205869	1.908853602	-1.403568019	0.160447524	NA	NA
ENSG00000213973	ZNF99	zinc finger protein 99	7652	3.48178342	-2.678509186	1.974784394	-1.356355253	0.174986163	NA	NA
ENSG00000207996	MIR301A	microRNA 301a	407027	1.271954588	-2.674868655	2.809842411	-0.951963941	0.34111527	NA	NA
ENSG00000128573	FOXP2	forkhead box P2	93986	411.535289	-2.667463463	0.755386672	-3.531255661	0.000413592	0.063866188	Not Sig
ENSG00000134765	DSC1	desmocollin 1	1823	1.265102045	-2.664671916	2.796768818	-0.95276803	0.340707616	NA	NA
ENSG00000273066	NA	NA	NA	120.482189	-2.662859135	0.794185658	-3.352942866	0.000799572	0.105989594	Not Sig
ENSG00000256913	NA	NA	NA	4.496807742	-2.662010786	1.833541803	-1.451840793	0.146545878	NA	NA
ENSG00000238689	NA	NA	NA	1.214309922	-2.652918367	2.444336241	-1.085332829	0.277774271	NA	NA
ENSG00000080031	PTPRH	protein tyrosine phosphatase, receptor type H	5794	342.6022685	-2.643092851	1.192802467	-2.215868029	0.026700542	0.841215479	Not Sig
ENSG00000207606	MIR554	microRNA 554	693139	19.27147679	-2.640677965	1.387901365	-1.902640945	0.057087413	0.999371363	Not Sig
ENSG00000248362	NA	NA	NA	2.586979402	-2.640111775	2.446353453	-1.079202914	0.280497281	NA	NA
ENSG00000235261	NA	NA	NA	15.7135257	-2.63929216	0.984093248	-2.681953326	0.007319367	0.417071448	Not Sig
ENSG00000179141	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000188624	IGFL3	IGF like family member 3	388555	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000213708	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000221233	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000239028	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000239069	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000241162	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000254495	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000263784	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000264628	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA
ENSG00000266730	NA	NA	NA	0.543874627	-2.637284744	3.992141718	-0.660619019	0.508856669	NA	NA

ENSG00000246323	NA	NA	NA	3.584097623	-2.633746515	1.568142397	-1.679532752	0.093048261	NA	NA
ENSG00000237821	NA	NA	NA	1.204440666	-2.633087174	2.405009668	-1.09483434	0.273589219	NA	NA
ENSG00000273455	NA	NA	NA	1.204440666	-2.633087174	2.405009668	-1.09483434	0.273589219	NA	NA
ENSG00000253931	NA	NA	NA	4.21232569	-2.632220595	2.135485553	-1.232609882	0.217721348	NA	NA
ENSG00000241717	NA	NA	NA	3.264076653	-2.629862626	1.933289357	-1.360304714	0.173733517	NA	NA
ENSG00000236409	NA	NA	NA	6.912389519	-2.625040009	1.362210694	-1.927044047	0.053974141	0.999371363	Not Sig
ENSG00000111732	AICDA	activation induced cytidine deaminase	57379	2.504443049	-2.624018667	1.979018805	-1.325919016	0.184866523	NA	NA
ENSG00000235301	NA	NA	NA	2.317578175	-2.623426503	1.88676304	-1.390437722	0.164395999	NA	NA
ENSG00000248543	NA	NA	NA	6.305395748	-2.619136731	1.845565456	-1.419151363	0.155854892	NA	NA
ENSG00000232254	NA	NA	NA	1.181696339	-2.613377792	2.453348529	-1.065228915	0.286772352	NA	NA
ENSG00000243607	NA	NA	NA	1.181696339	-2.613377792	2.453348529	-1.065228915	0.286772352	NA	NA
ENSG00000262678	NA	NA	NA	1.181696339	-2.613377792	2.453348529	-1.065228915	0.286772352	NA	NA
ENSG00000252568	NA	NA	NA	2.110388772	-2.608759812	2.123426057	-1.228561646	0.219236203	NA	NA
ENSG00000237813	NA	NA	NA	33.47544695	-2.608739986	1.012283931	-2.577083273	0.009963794	0.49192078	Not Sig
ENSG00000145526	CDH18	cadherin 18	1016	2.293234538	-2.607431951	2.179558629	-1.196311912	0.231574862	NA	NA
ENSG00000267776	NA	NA	NA	2.286381995	-2.607261749	1.814974616	-1.436527942	0.150852171	NA	NA
ENSG00000201347	NA	NA	NA	1.213579964	-2.604046881	2.490421456	-1.045624979	0.295734212	NA	NA
ENSG00000086717	PPEF1	protein phosphatase with EF-hand domain 1	5475	17.87107986	-2.60036315	0.88799193	-2.928363492	0.003407514	0.261651383	Not Sig
ENSG00000064787	BCAS1	breast carcinoma amplified sequence 1	8537	2810.861806	-2.600025962	1.153766232	-2.253511925	0.02422689	0.802589067	Not Sig
ENSG00000151012	SLC7A11	solute carrier family 7 member 11	23657	993.8711943	-2.598802424	1.113119717	-2.334701636	0.019559013	0.709667191	Not Sig
ENSG00000122136	OBP2A	odorant binding protein 2A	29991	2.134317402	-2.597706502	2.460539393	-1.055746764	0.291083926	NA	NA
ENSG00000214511	HIGD1C	HIG1 hypoxia inducible domain family member 1C	613227	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000222426	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000226427	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000226645	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000234297	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000236152	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000240520	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000242017	NA	NA	NA	0.527567836	-2.595788057	3.597386961	-0.72157599	0.470555206	NA	NA
ENSG00000265565	MIR3143	microRNA 3143	100422934	7.15296923	-2.593890038	2.036323702	-1.273810267	0.202730666	0.999371363	Not Sig
ENSG00000238569	NA	NA	NA	1.171827083	-2.592803082	2.860206273	-0.906509124	0.364666438	NA	NA
ENSG00000272029	NA	NA	NA	1.171827083	-2.592803082	2.860206273	-0.906509124	0.364666438	NA	NA
ENSG00000253983	LOC105375903	uncharacterized LOC105375903	105375903	1.155935299	-2.5839173	2.461272295	-1.049829921	0.293796316	NA	NA
ENSG00000254340	NA	NA	NA	1.155935299	-2.5839173	2.461272295	-1.049829921	0.293796316	NA	NA
ENSG00000070601	FRMPD1	FERM and PDZ domain containing 1	22844	12.28924992	-2.577037505	1.427161697	-1.805708148	0.070963939	0.999371363	Not Sig

ENSG00000200830	NA	NA	NA	2.100519516	-2.565828197	1.875238175	-1.368267899	0.171228235	NA	NA
ENSG00000269339	NA	NA	NA	1.146066043	-2.563500968	2.462727352	-1.040919518	0.297912902	NA	NA
ENSG00000239919	NA	NA	NA	2.460775907	-2.56272277	2.397003674	-1.069135937	0.28500842	NA	NA
ENSG00000212743	NA	NA	NA	100.6711457	-2.560105835	0.887321786	-2.885205654	0.00391158	0.281664993	Not Sig
ENSG00000229893	NA	NA	NA	3.298795084	-2.557135275	1.567950685	-1.630877361	0.1029162	NA	NA
ENSG00000213671	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000229133	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000235698	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000238223	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000250354	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000267735	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000268310	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000269400	NA	NA	NA	0.511261044	-2.554517257	3.997117826	-0.639089806	0.522764511	NA	NA
ENSG00000104970	KIR3DX1	killer cell immunoglobulin like receptor, three Ig domains X1	90011	10.17914448	-2.551627898	1.415332703	-1.802846703	0.071412293	0.999371363	Not Sig
ENSG00000254318	NA	NA	NA	1.136611794	-2.549891332	2.939855885	-0.867352494	0.385748903	NA	NA
ENSG00000259760	NA	NA	NA	4.894333078	-2.547473655	2.124461486	-1.199115009	0.230483229	NA	NA
ENSG00000204177	BMS1P1	BMS1, ribosome biogenesis factor pseudogene 1	399761	44.13722928	-2.5459833	0.955949669	-2.663302663	0.007737778	0.429259211	Not Sig
ENSG00000201210	NA	NA	NA	1.147483445	-2.545596562	2.956005107	-0.861161084	0.38914933	NA	NA
ENSG00000243979	NA	NA	NA	1.147483445	-2.545596562	2.956005107	-0.861161084	0.38914933	NA	NA
ENSG00000247131	LOC101928002	uncharacterized LOC101928002	101928002	1.147483445	-2.545596562	2.956005107	-0.861161084	0.38914933	NA	NA
ENSG00000267076	NA	NA	NA	1.147483445	-2.545596562	2.956005107	-0.861161084	0.38914933	NA	NA
ENSG00000221564	NA	NA	NA	1.153920981	-2.545523508	2.951489623	-0.862453823	0.388437833	NA	NA
ENSG00000233719	NA	NA	NA	1.188821319	-2.545130907	2.927640377	-0.869345473	0.384658198	NA	NA
ENSG00000207234	NA	NA	NA	17.08107787	-2.544492154	1.278324764	-1.990489604	0.046537028	0.999371363	Not Sig
ENSG00000177359	OVOS2	ovostatin 2	144203	35.3244153	-2.542801642	1.294961512	-1.963611751	0.049575134	0.999371363	Not Sig
ENSG00000177359	OVOS	ovostatin	408186	35.3244153	-2.542801642	1.294961512	-1.963611751	0.049575134	0.999371363	Not Sig
ENSG00000263577	NA	NA	NA	2.067905933	-2.542709122	1.87554253	-1.355719256	0.17518851	NA	NA
ENSG00000266370	MIR3657	microRNA 3657	100500889	5.660545938	-2.542698955	1.504183454	-1.690418113	0.090947992	NA	NA
ENSG00000234801	NA	NA	NA	1.16465959	-2.542425255	2.50449166	-1.015146225	0.31003613	NA	NA
ENSG00000216009	MIR874	microRNA 874	100126343	1.123321716	-2.542193364	2.526849817	-1.006072204	0.314380839	NA	NA
ENSG00000207951	MIR561	microRNA 561	693146	18.1893297	-2.534558341	1.175609847	-2.15595195	0.031087417	0.912173933	Not Sig
ENSG00000241395	NA	NA	NA	18.82329113	-2.534157625	1.125966678	-2.250650639	0.024407673	0.804622595	Not Sig
ENSG00000106536	POU6F2	POU class 6 homeobox 2	11281	50.94817682	-2.532856076	1.342846111	-1.886184914	0.059270041	0.999371363	Not Sig
ENSG00000133962	CATSPERB	cation channel sperm associated auxiliary subunit beta	79820	369.7458145	-2.529597699	1.16398754	-2.173217163	0.029763977	0.897727832	Not Sig
ENSG00000261374	NA	NA	NA	1.120305003	-2.528538859	2.88553063	-0.876282106	0.38087669	NA	NA

ENSG00000264730	NA	NA	NA	1.120305003	-2.528538859	2.88553063	-0.876282106	0.38087669	NA	NA
ENSG00000243478	NA	NA	NA	4.617937694	-2.52799991	1.651120771	-1.531081163	0.125749335	NA	NA
ENSG00000213608	NA	NA	NA	2.369787701	-2.525401421	1.995984973	-1.265240698	0.205785057	NA	NA
ENSG00000226838	NA	NA	NA	1.137614189	-2.523319466	2.95941008	-0.852642722	0.393857464	NA	NA
ENSG00000207595	MIR181A2	microRNA 181a-2	406954	1.172514528	-2.522948565	2.935048498	-0.859593484	0.390013168	NA	NA
ENSG00000169862	CTNND2	catenin delta 2	1501	56.53653342	-2.519660857	1.092507788	-2.306309285	0.021093357	0.737857335	Not Sig
ENSG00000179399	GPC5	glypican 5	2262	38.25769181	-2.511944615	0.843792815	-2.976968482	0.002911139	0.237473696	Not Sig
ENSG00000224981	NA	NA	NA	1.977332734	-2.509573447	2.064678318	-1.21547915	0.224183396	NA	NA
ENSG00000207333	NA	NA	NA	2.376640244	-2.507021368	2.414892877	-1.038150136	0.299200163	NA	NA
ENSG00000252042	NA	NA	NA	1.103998211	-2.506641297	2.877806513	-0.871024958	0.383740526	NA	NA
ENSG00000237399	PITRM1-AS1	PITRM1 antisense RNA 1	100507034	11.54687483	-2.505139772	1.294198384	-1.935669062	0.052908246	0.999371363	Not Sig
ENSG00000123364	HOXC13	homeobox C13	3229	17.17610312	-2.501826539	3.387109352	-0.738631759	0.460130634	0.999371363	Not Sig
ENSG00000174384	NA	NA	NA	2.996598366	-2.495385349	1.672459877	-1.492044971	0.135687356	NA	NA
ENSG00000243772	KIR2DL3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3	3804	3.983614231	-2.494741078	2.173763879	-1.147659643	0.251109097	NA	NA
ENSG00000271153	NA	NA	NA	2.111258125	-2.490820076	1.909068711	-1.304730449	0.191984649	NA	NA
ENSG00000237162	NA	NA	NA	9.331315372	-2.490204155	1.092220461	-2.279946443	0.022610865	0.765426409	Not Sig
ENSG00000114487	MORC1	MORC family CW-type zinc finger 1	27136	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000128250	RFPL1	ret finger protein like 1	5988	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000171987	C11orf40	chromosome 11 open reading frame 40	143501	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000179073	TAAR3P	trace amine associated receptor 3, pseudogene	9288	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000204653	ASPDH	aspartate dehydrogenase domain containing	554235	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000207505	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000213016	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000221091	MIR1302-5	microRNA 1302-5	100302146	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000226469	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000235949	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000236234	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000238213	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000239959	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000250137	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000252547	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000257043	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000258531	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000260426	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000270726	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA

ENSG00000271150	NA	NA	NA	0.485500004	-2.489789488	4.001207982	-0.622259452	0.533771279	NA	NA
ENSG00000271880	NA	NA	NA	6.109579836	-2.487230799	1.263862331	-1.967960227	0.049072614	NA	NA
ENSG00000154537	FAM27C	family with sequence similarity 27 member C	100132948	1.081253884	-2.48404535	2.906691933	-0.854595329	0.392775214	NA	NA
ENSG00000154537	LOC105379444	uncharacterized LOC105379444	105379444	1.081253884	-2.48404535	2.906691933	-0.854595329	0.392775214	NA	NA
ENSG00000254554	NA	NA	NA	5.893756672	-2.476776487	1.346411385	-1.839539174	0.065835922	NA	NA
ENSG00000169704	GP9	glycoprotein IX platelet	2815	4.887729926	-2.464464494	2.127911789	-1.158161023	0.246798331	NA	NA
ENSG00000238537	NA	NA	NA	1.089108822	-2.460923576	2.567781391	-0.958385159	0.337868576	NA	NA
ENSG00000252739	NA	NA	NA	1.089108822	-2.460923576	2.567781391	-0.958385159	0.337868576	NA	NA
ENSG00000149516	MS4A3	membrane spanning 4-domains A3	932	1.106284966	-2.460904227	2.947387558	-0.834944227	0.403749111	NA	NA
ENSG00000227203	NA	NA	NA	1.071384628	-2.460544506	2.974099948	-0.827324081	0.408053398	NA	NA
ENSG00000253945	NA	NA	NA	1.130446696	-2.460505482	2.544485712	-0.966995205	0.333546431	NA	NA
ENSG00000169894	MUC3A	mucin 3A, cell surface associated	4584	521.2595031	-2.458681252	1.053979311	-2.332760451	0.019660721	0.709667191	Not Sig
ENSG00000084110	HAL	histidine ammonia-lyase	3034	149.4614751	-2.456894197	0.744168723	-3.301528433	0.000961596	0.116436317	Not Sig
ENSG00000261199	NA	NA	NA	3.896098038	-2.451860484	1.891700084	-1.296114805	0.194935935	NA	NA
ENSG00000239040	NA	NA	NA	69.71702861	-2.451245812	1.254271862	-1.954317789	0.050663646	0.999371363	Not Sig
ENSG00000230789	ARHGAP26-IT1	ARHGAP26 intronic transcript 1	100874372	40.24020654	-2.45063824	0.879139766	-2.787541112	0.005310971	0.339497787	Not Sig
ENSG00000224897	POT1-AS1	POT1 antisense RNA 1	401398	46.30608992	-2.450138345	1.045477289	-2.343559609	0.01910071	0.704728852	Not Sig
ENSG00000259984	NA	NA	NA	6.216368449	-2.448461788	1.41123832	-1.734973996	0.082745411	NA	NA
ENSG00000268530	LOC105372430	uncharacterized LOC105372430	105372430	2.905610159	-2.44636785	1.620003901	-1.510099975	0.131017916	NA	NA
ENSG00000075891	PAX2	paired box 2	5076	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000149742	SLC22A9	solute carrier family 22 member 9	114571	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000155070	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000164326	CARTPT	CART prepropeptide	9607	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000169551	CT55	cancer/testis antigen 55	54967	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000169876	MUC17	mucin 17, cell surface associated	140453	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000178172	SPINK6	serine peptidase inhibitor, Kazal type 6	404203	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000184811	TUSC5	tumor suppressor candidate 5	286753	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000184895	SRY	sex determining region Y	6736	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000199283	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000206813	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000213435	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000213673	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000213970	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000218305	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000227218	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA

ENSG00000229965	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000230568	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000231124	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000235036	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000240622	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000252523	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000254527	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000255381	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000261461	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000273444	NA	NA	NA	0.469193213	-2.445295438	4.004125015	-0.610694079	0.541402127	NA	NA
ENSG00000230274	NA	NA	NA	1.07280203	-2.442727121	2.941035658	-0.830566986	0.406218292	NA	NA
ENSG00000071991	CDH19	cadherin 19	28513	76.74252988	-2.441617128	1.049825986	-2.325735083	0.020032688	0.712847952	Not Sig
ENSG00000223198	NA	NA	NA	1.949557376	-2.440218182	1.966040811	-1.24118389	0.214537825	NA	NA
ENSG00000260412	NA	NA	NA	2.997882726	-2.433300357	1.675292616	-1.452462891	0.14637294	NA	NA
ENSG00000207116	NA	NA	NA	1.063347782	-2.431157973	2.946508397	-0.825097928	0.409315996	NA	NA
ENSG00000228779	NA	NA	NA	1.104685656	-2.430929455	2.914512503	-0.834077553	0.404237284	NA	NA
ENSG00000174945	AMZ1	archaelysin family metallopeptidase 1	155185	131.0745113	-2.422046037	0.900490541	-2.689696256	0.007151708	0.414526701	Not Sig
ENSG00000178882	RFLNA	refilin A	144347	56.09148288	-2.408638495	1.002689096	-2.402178806	0.01629774	0.654298425	Not Sig
ENSG00000178882	ZNF664-RFLNA	ZNF664-RFLNA readthrough	100533183	56.09148288	-2.408638495	1.002689096	-2.402178806	0.01629774	0.654298425	Not Sig
ENSG00000223861	NA	NA	NA	50.82321235	-2.40828342	0.970404109	-2.481732504	0.013074538	0.569294502	Not Sig
ENSG00000269574	NA	NA	NA	1.858984177	-2.405663153	2.210775683	-1.088153435	0.276527377	NA	NA
ENSG00000242657	NA	NA	NA	1.04704099	-2.404497936	2.544167923	-0.945101899	0.344606856	NA	NA
ENSG00000267934	NA	NA	NA	1.04704099	-2.404497936	2.544167923	-0.945101899	0.344606856	NA	NA
ENSG00000232079	LINC01697	long intergenic non-protein coding RNA 1697	284825	1.088378864	-2.404265654	2.519478696	-0.954271079	0.339946443	NA	NA
ENSG00000244062	NA	NA	NA	1.088378864	-2.404265654	2.519478696	-0.954271079	0.339946443	NA	NA
ENSG00000273155	NA	NA	NA	1.088378864	-2.404265654	2.519478696	-0.954271079	0.339946443	NA	NA
ENSG00000124440	HIF3A	hypoxia inducible factor 3 alpha subunit	64344	864.8443651	-2.403138672	0.937476533	-2.563412083	0.010364895	0.500096243	Not Sig
ENSG00000235034	C19orf81	chromosome 19 open reading frame 81	342918	7.459267051	-2.400029959	1.497791745	-1.602378947	0.109071837	0.999371363	Not Sig
ENSG00000227248	NA	NA	NA	29.84830541	-2.38502378	1.144301791	-2.084261163	0.037136418	0.999371363	Not Sig
ENSG00000265125	NA	NA	NA	1.835824842	-2.383810697	2.182022871	-1.092477411	0.274623314	NA	NA
ENSG00000272842	NA	NA	NA	3.128791404	-2.382059766	2.014297768	-1.182575786	0.236977314	NA	NA
ENSG00000212190	NA	NA	NA	1.834225531	-2.381727809	2.559759101	-0.930449982	0.35213815	NA	NA
ENSG00000218586	NA	NA	NA	1.030734199	-2.381304786	2.550260288	-0.933749703	0.35043302	NA	NA
ENSG00000182376	LOC339059	uncharacterized LOC339059	339059	1.037171734	-2.381279626	2.546227648	-0.935218667	0.34967562	NA	NA
ENSG00000240963	NA	NA	NA	1.037171734	-2.381279626	2.546227648	-0.935218667	0.34967562	NA	NA

ENSG00000241532	NA	NA	NA	1.037171734	-2.381279626	2.546227648	-0.935218667	0.34967562	NA	NA
ENSG00000184984	CHRM5	cholinergic receptor muscarinic 5	1133	2.049269873	-2.379775117	2.214493404	-1.074636354	0.282537569	NA	NA
ENSG00000204805	NA	NA	NA	2.796715851	-2.377465766	1.666598537	-1.426537773	0.153713172	NA	NA
ENSG00000095539	SEMA4G	semaphorin 4G	57715	408.8226782	-2.376332125	0.634032917	-3.747963331	0.000178276	0.035078649	FDR<0.05
ENSG00000130045	NXNL2	nucleoredoxin like 2	158046	10.4023602	-2.374420928	1.221742692	-1.94347054	0.051959332	0.999371363	Not Sig
ENSG00000009694	TENM1	teneurin transmembrane protein 1	10178	376.8914863	-2.373728483	0.831348129	-2.855276147	0.004299942	0.29912253	Not Sig
ENSG00000236434	NA	NA	NA	1.02127995	-2.371384172	3.024990304	-0.783931165	0.433080502	NA	NA
ENSG00000250451	HOXC-AS1	HOXC cluster antisense RNA 1	100874363	1.027717486	-2.371378359	3.019611807	-0.785325568	0.432262709	NA	NA
ENSG00000272509	NA	NA	NA	6.787373211	-2.371292328	1.13946749	-2.081053079	0.037429048	0.999371363	Not Sig
ENSG00000260089	NA	NA	NA	2.778991657	-2.368268122	1.668751768	-1.419185386	0.155844975	NA	NA
ENSG00000202523	NA	NA	NA	2.945348723	-2.365917272	1.828342653	-1.294022906	0.195657509	NA	NA
ENSG00000201138	NA	NA	NA	3.072836578	-2.363861415	1.675674394	-1.410692569	0.158335283	NA	NA
ENSG00000221771	MIR1205	microRNA 1205	100302161	10.66341779	-2.362683756	1.116772423	-2.115635833	0.034375792	0.964129947	Not Sig
ENSG00000108511	HOXB6	homeobox B6	3216	245.9066867	-2.360526203	0.63857059	-3.696578326	0.000218525	0.04128436	FDR<0.05
ENSG00000220494	NA	NA	NA	1.020864943	-2.358793139	2.969112442	-0.794443856	0.426937081	NA	NA
ENSG00000267007	NA	NA	NA	1.055765281	-2.358738122	2.94027484	-0.802216885	0.422427511	NA	NA
ENSG00000199512	NA	NA	NA	22.82012806	-2.358253444	1.435197767	-1.643155736	0.100350715	0.999371363	Not Sig
ENSG00000239822	NA	NA	NA	3.978369677	-2.358148232	1.498974439	-1.573174413	0.115678438	NA	NA
ENSG00000167618	LAIR2	leukocyte associated immunoglobulin like receptor 2	3904	36.08403663	-2.351742459	1.023951443	-2.296732402	0.02163404	0.750516428	Not Sig
ENSG00000054179	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2	954	87.72169481	-2.351220912	1.151892587	-2.041180696	0.04123287	0.999371363	Not Sig
ENSG00000229887	NA	NA	NA	1.832808129	-2.349021562	1.918636036	-1.224318483	0.220832107	NA	NA
ENSG00000202400	SNORD82	small nucleolar RNA, C/D box 82	25826	1.046311033	-2.347016409	2.574131999	-0.91177003	0.36188979	NA	NA
ENSG00000197692	NA	NA	NA	1.004973158	-2.346989583	2.600317216	-0.902578181	0.366749811	NA	NA
ENSG00000229161	NA	NA	NA	1.004973158	-2.346989583	2.600317216	-0.902578181	0.366749811	NA	NA
ENSG00000172139	SLC9C1	solute carrier family 9 member C1	285335	21.02793339	-2.345721095	1.269906477	-1.847160509	0.064723881	0.999371363	Not Sig
ENSG00000257159	NA	NA	NA	1.7921577	-2.345183336	2.559824367	-0.916150095	0.359588176	NA	NA
ENSG00000224201	NA	NA	NA	1.953443441	-2.34490845	2.255508581	-1.039636235	0.298508936	NA	NA
ENSG00000164929	BAALC	BAALC, MAP3K1 and KLF4 binding	79870	248.8108905	-2.343379589	0.975676135	-2.401800665	0.016314596	0.654298425	Not Sig
ENSG00000221096	NA	NA	NA	7.512469443	-2.343150554	1.230315825	-1.904511432	0.056843609	0.999371363	Not Sig
ENSG00000205277	MUC12	mucin 12, cell surface associated	10071	32.03600368	-2.341942143	0.669595622	-3.497546977	0.000469558	0.068757488	Not Sig
ENSG00000136943	CTSV	cathepsin V	1515	60.89654817	-2.34040325	0.992968472	-2.356976396	0.018424418	0.692593119	Not Sig
ENSG00000218792	NA	NA	NA	5.888509792	-2.339654834	1.332893485	-1.755320182	0.079204556	NA	NA
ENSG00000259723	NA	NA	NA	11.06026174	-2.338856979	1.459962737	-1.601997723	0.109156113	0.999371363	Not Sig
ENSG00000256037	NA	NA	NA	1.801611948	-2.33751228	2.236505596	-1.045162723	0.295947769	NA	NA
ENSG00000011083	SLC6A7	solute carrier family 6 member 7	6534	11.53076912	-2.337334262	0.909072935	-2.571118525	0.010137063	0.494790816	Not Sig

ENSG00000263615	MIR4306	microRNA 4306	100422861	5.647644647	-2.332286335	1.244304248	-1.874369825	0.06087947	NA	NA
ENSG00000201555	NA	NA	NA	2.725870266	-2.331205203	1.799996399	-1.295116593	0.195280012	NA	NA
ENSG00000250778	NA	NA	NA	1.984042707	-2.32788736	2.220180986	-1.04851243	0.294402578	NA	NA
ENSG00000119547	ONECUT2	one cut homeobox 2	9480	132.4548856	-2.324553424	1.355074048	-1.715443837	0.086263884	0.999371363	Not Sig
ENSG00000223791	UBE2E1-AS1	UBE2E1 antisense RNA 1	100874092	0.995103902	-2.323092637	2.563111206	-0.906356552	0.364747161	NA	NA
ENSG00000267118	NA	NA	NA	2.989885218	-2.317221918	1.703441837	-1.360317604	0.17372944	NA	NA
ENSG00000254542	NA	NA	NA	1.775850908	-2.315022728	2.214774302	-1.045263495	0.295901204	NA	NA
ENSG00000163092	XIRP2	xin actin binding repeat containing 2	129446	3.18419955	-2.31264782	2.264304816	-1.021350043	0.307088625	NA	NA
ENSG00000211454	AKR7L	aldo-keto reductase family 7 like (gene/pseudogene)	246181	29.21567056	-2.31190009	0.926049398	-2.496519187	0.012541888	0.556126761	Not Sig
ENSG00000101203	COL20A1	collagen type XX alpha 1 chain	57642	2.135692292	-2.308711881	2.525891973	-0.914018456	0.360707148	NA	NA
ENSG00000227619	NA	NA	NA	26.24237547	-2.308679699	1.210773282	-1.906781173	0.05654893	0.999371363	Not Sig
ENSG00000272636	DOC2B	double C2 domain beta	8447	233.0387666	-2.306708176	0.855538143	-2.696207288	0.007013401	0.41078956	Not Sig
ENSG00000232517	NA	NA	NA	1.808049484	-2.306302796	2.029451213	-1.136416969	0.255782097	NA	NA
ENSG00000235238	NA	NA	NA	2.789730265	-2.304972294	1.853176418	-1.243795395	0.213574876	NA	NA
ENSG00000264255	NA	NA	NA	1.774433506	-2.304820213	1.974210841	-1.167464064	0.243023012	NA	NA
ENSG00000207713	MIR200C	microRNA 200c	406985	0.978797111	-2.29850955	2.60972838	-0.880746658	0.378454957	NA	NA
ENSG00000140506	LMAN1L	lectin, mannose binding 1 like	79748	0.972359575	-2.298476706	2.614119266	-0.879254721	0.37926318	NA	NA
ENSG00000207947	MIR152	microRNA 152	406943	0.972359575	-2.298476706	2.614119266	-0.879254721	0.37926318	NA	NA
ENSG00000207378	NA	NA	NA	5.969952371	-2.297310734	1.477425239	-1.554942121	0.119959855	NA	NA
ENSG00000234175	NA	NA	NA	1.932520626	-2.29554638	1.909640057	-1.202083279	0.229331264	NA	NA
ENSG00000236055	NA	NA	NA	10.90372326	-2.290565521	1.47289738	-1.55514264	0.119912102	0.999371363	Not Sig
ENSG00000263768	NA	NA	NA	11.5540325	-2.287898628	1.622345639	-1.41024118	0.15846848	0.999371363	Not Sig
ENSG00000261000	NA	NA	NA	3.953477989	-2.286600205	1.4904363	-1.534181772	0.124984941	NA	NA
ENSG00000149635	OCSTAMP	osteoclast stimulatory transmembrane protein	128506	1.004243201	-2.283515101	3.025587513	-0.754734441	0.450408337	NA	NA
ENSG00000242797	NA	NA	NA	1.004243201	-2.283515101	3.025587513	-0.754734441	0.450408337	NA	NA
ENSG00000265324	NA	NA	NA	1.004243201	-2.283515101	3.025587513	-0.754734441	0.450408337	NA	NA
ENSG00000236229	NA	NA	NA	0.969342862	-2.283298261	3.056458998	-0.74704037	0.455039193	NA	NA
ENSG00000199874	NA	NA	NA	0.962905327	-2.283257818	3.062332722	-0.745594299	0.455912528	NA	NA
ENSG00000223918	NA	NA	NA	1.917631237	-2.282567128	2.287300171	-0.997930729	0.31831295	NA	NA
ENSG00000266980	NA	NA	NA	5.969122356	-2.276225614	1.562446079	-1.456834667	0.145162024	NA	NA
ENSG00000145451	GLRA3	glycine receptor alpha 3	8001	18.79540977	-2.274628062	1.245167445	-1.826764803	0.06773514	0.999371363	Not Sig
ENSG00000225171	NA	NA	NA	7.537245339	-2.274182063	1.077783016	-2.110055575	0.034853569	0.965260677	Not Sig
ENSG00000104044	OCA2	OCA2 melanosomal transmembrane protein	4948	57.85398351	-2.273151735	0.850240249	-2.673540493	0.007505521	0.42176576	Not Sig
ENSG00000249417	NA	NA	NA	3.695485566	-2.273099627	1.598286716	-1.422210173	0.154965246	NA	NA
ENSG00000266903	NA	NA	NA	60.8816806	-2.263436705	1.096725814	-2.063812738	0.039035475	0.999371363	Not Sig

ENSG00000225349	NA	NA	NA	13.21267402	-2.261141558	1.245014892	-1.816156234	0.06934641	0.999371363	Not Sig
ENSG00000127364	TAS2R4	taste 2 receptor member 4	50832	29.97978048	-2.257802451	0.831633288	-2.714901487	0.006629549	0.393801452	Not Sig
ENSG00000227141	NA	NA	NA	1.677007763	-2.257126613	2.606766719	-0.865872115	0.386560296	NA	NA
ENSG00000258215	NA	NA	NA	2.01794065	-2.254722718	2.128380536	-1.059360711	0.289435536	NA	NA
ENSG00000214077	NA	NA	NA	1.883600252	-2.254609241	1.971682745	-1.14349494	0.252833155	NA	NA
ENSG00000188487	INSC	INSC, spindle orientation adaptor protein	387755	21.96439797	-2.25441422	1.029207115	-2.190437851	0.028492497	0.880038778	Not Sig
ENSG00000114378	HYAL1	hyaluronoglucosaminidase 1	3373	442.6910018	-2.252369367	0.794805813	-2.833861216	0.00459893	0.308054923	Not Sig
ENSG00000213253	NA	NA	NA	1.740220612	-2.250001534	2.010148566	-1.119321015	0.263003213	NA	NA
ENSG00000188279	NA	NA	NA	16.90335107	-2.247631976	1.345696215	-1.670237272	0.094872428	0.999371363	Not Sig
ENSG00000231270	NA	NA	NA	5.841734558	-2.245555684	1.625756364	-1.381237518	0.167205943	NA	NA
ENSG00000101306	MYLK2	myosin light chain kinase 2	85366	2.682253359	-2.237057212	1.776477505	-1.259265713	0.207934373	NA	NA
ENSG00000238564	NA	NA	NA	3.885052202	-2.235046279	1.609605672	-1.388567597	0.164964276	NA	NA
ENSG00000109132	PHOX2B	paired like homeobox 2b	8929	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000123569	H2BFWT	H2B histone family member W, testis specific	158983	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000125788	DEFB126	defensin beta 126	81623	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000128313	APOL5	apolipoprotein L5	80831	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000134940	ACRV1	acrosomal vesicle protein 1	56	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000146383	TAAR6	trace amine associated receptor 6	319100	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000154997	14-Sep	septin 14	346288	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000158731	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000172497	ACOT12	acyl-CoA thioesterase 12	134526	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000182824	LINC01662	long intergenic non-protein coding RNA 1662	642643	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000183072	NKX2-5	NK2 homeobox 5	1482	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000184055	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000184324	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000186328	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000188501	LCTL	lactase like	197021	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000196406	SPANXD	SPANX family member D	64648	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000200310	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000201041	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000201186	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000202157	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000204296	C6orf10	chromosome 6 open reading frame 10	10665	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000207453	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000207818	MIR105-2	microRNA 105-2	406898	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA

ENSG00000207961	MIR496	microRNA 496	574454	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000212933	KRTAP12-4	keratin associated protein 12-4	386684	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000214584	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000215450	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000215506	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000216073	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000216740	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000217404	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000218690	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000221082	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000222244	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000222419	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000222805	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223197	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223443	USP17L2	ubiquitin specific peptidase 17-like family member 2	377630	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223559	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223604	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223710	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223734	LOC105373463	uncharacterized LOC105373463	105373463	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223877	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000223995	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000224040	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000224082	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000224204	PHEX-AS1	PHEX antisense RNA 1	100873942	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000226358	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000226745	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000227068	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000228283	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000228837	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000229188	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000229283	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000229882	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000229894	GK3P	glycerol kinase 3 pseudogene	2713	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000229906	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000230175	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA

ENSG00000230777	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000231351	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000231373	GNA14-AS1	GNA14 antisense RNA 1	101927422	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000231749	ABCA9-AS1	ABCA9 antisense RNA 1	104355297	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000231859	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000233039	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000233774	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000234288	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000234421	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000234515	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000234895	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000238038	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000238267	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000238302	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000238392	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000238997	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000239103	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000239201	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000239210	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000239227	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000239255	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000239595	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000240254	B4GALT4-AS1	B4GALT4 antisense RNA 1	100874201	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000240364	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000241825	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000248377	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000248552	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000250080	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000250140	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000250613	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000250693	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000251577	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000251762	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000251817	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000252255	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA

ENSG00000252329	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000253094	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000253328	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000253415	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000253488	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000253509	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000253859	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000254544	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000254582	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000256235	SMIM3	small integral membrane protein 3	85027	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000257642	KCCAT198	renal clear cell carcinoma-associated transcript 198	105369954	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000257653	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000258292	LINC02410	long intergenic non-protein coding RNA 2410	105369920	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000258510	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000258587	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000258905	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000259360	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000259536	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000260017	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000261314	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000261460	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000262983	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000263364	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000264077	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000264119	MIR4795	microRNA 4795	100616161	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000264736	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000265636	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000266283	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000266293	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000266497	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000267369	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000267579	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000267802	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000267879	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000268545	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA

ENSG00000268894	PLCE1-AS1	PLCE1 antisense RNA 1	100128054	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000268949	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000269808	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000270292	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000270359	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000270377	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000271745	NA	NA	NA	0.418673527	-2.2340764	4.019230315	-0.555846823	0.578315574	NA	NA
ENSG00000258302	NA	NA	NA	20.11771248	-2.232214343	1.142665546	-1.953515052	0.050758595	0.999371363	Not Sig
ENSG00000110245	APOC3	apolipoprotein C3	345	0.971629618	-2.231634591	2.99062337	-0.74621051	0.45554026	NA	NA
ENSG00000122859	NEUROG3	neurogenin 3	50674	0.936729279	-2.231244055	3.02334953	-0.738004003	0.460512017	NA	NA
ENSG00000227135	NA	NA	NA	0.936729279	-2.231244055	3.02334953	-0.738004003	0.460512017	NA	NA
ENSG00000238908	NA	NA	NA	2.009488797	-2.231039287	2.098993179	-1.06290926	0.287823103	NA	NA
ENSG00000221714	NA	NA	NA	1.882000941	-2.227533868	2.263339492	-0.98418018	0.325026929	NA	NA
ENSG00000218274	NA	NA	NA	366.9118052	-2.227283233	1.144799016	-1.94556704	0.051706769	0.999371363	Not Sig
ENSG00000169836	TACR3	tachykinin receptor 3	6870	1.706189626	-2.226814429	2.567804216	-0.867205691	0.385829319	NA	NA
ENSG00000266805	NA	NA	NA	33.24650974	-2.224953985	0.912570166	-2.43811826	0.014763943	0.615636874	Not Sig
ENSG00000200840	NA	NA	NA	14.42620195	-2.224427064	1.470136346	-1.513075349	0.13026052	0.999371363	Not Sig
ENSG00000236754	NA	NA	NA	2.679236646	-2.222748906	1.543685881	-1.439897153	0.149896499	NA	NA
ENSG00000186481	NA	NA	NA	124.539648	-2.219903389	0.732811543	-3.029296427	0.00245124	0.212886004	Not Sig
ENSG00000236307	NA	NA	NA	4.897150341	-2.21745424	1.85939753	-1.192565982	0.233039395	NA	NA
ENSG00000251455	NA	NA	NA	3.406762204	-2.216072157	1.608713123	-1.377543408	0.168344304	NA	NA
ENSG00000165388	NA	NA	NA	5.028228779	-2.215886104	1.438500578	-1.540413774	0.123459526	NA	NA
ENSG00000236562	NA	NA	NA	6.442641613	-2.213518627	1.403030596	-1.577669534	0.114641549	NA	NA
ENSG00000176049	JAKMIP2	janus kinase and microtubule interacting protein 2	9832	137.8165104	-2.208968572	0.816321429	-2.706003413	0.006809835	0.402611489	Not Sig
ENSG00000257831	NA	NA	NA	9.27996538	-2.208251411	1.17101953	-1.885751137	0.059328498	0.999371363	Not Sig
ENSG00000207826	MIR596	microRNA 596	693181	1.714044564	-2.208157155	2.162986014	-1.020883696	0.307309545	NA	NA
ENSG00000238798	NA	NA	NA	0.938146682	-2.207644864	3.105763006	-0.710822062	0.477194507	NA	NA
ENSG00000243504	NA	NA	NA	0.938146682	-2.207644864	3.105763006	-0.710822062	0.477194507	NA	NA
ENSG00000250827	NA	NA	NA	0.938146682	-2.207644864	3.105763006	-0.710822062	0.477194507	NA	NA
ENSG00000201648	NA	NA	NA	0.979484556	-2.207038212	3.06774169	-0.719434175	0.471873446	NA	NA
ENSG00000129521	EGLN3	egl-9 family hypoxia inducible factor 3	112399	1059.947576	-2.204512554	0.79465838	-2.774163856	0.00553438	0.347874159	Not Sig
ENSG00000205143	ARID3C	AT-rich interaction domain 3C	138715	0.920422487	-2.20361844	3.090304121	-0.713074945	0.475799383	NA	NA
ENSG00000237640	NA	NA	NA	0.920422487	-2.20361844	3.090304121	-0.713074945	0.475799383	NA	NA
ENSG00000250361	GYPB	glycophorin B (MNS blood group)	2994	0.920422487	-2.20361844	3.090304121	-0.713074945	0.475799383	NA	NA
ENSG00000254550	OMP	olfactory marker protein	4975	10.22480989	-2.202863408	1.160617657	-1.89800956	0.057694823	0.999371363	Not Sig

ENSG00000268583	NA	NA	NA	1.674993446	-2.20149028	2.290536088	-0.961124468	0.336489588	NA	NA
ENSG00000200254	NA	NA	NA	2.525987751	-2.196728372	1.702911949	-1.289983532	0.197056376	NA	NA
ENSG00000224474	NA	NA	NA	16.79939929	-2.192016299	0.948869576	-2.310134453	0.020880712	0.732453483	Not Sig
ENSG00000137878	GCOM1	GRINL1A complex locus 1	145781	44.98212165	-2.191215194	0.9511681	-2.303709716	0.021238944	0.740892029	Not Sig
ENSG00000162409	PRKAA2	protein kinase AMP-activated catalytic subunit alpha 2	5563	731.9813871	-2.185064681	0.909650513	-2.402092507	0.016301585	0.654298425	Not Sig
ENSG00000224573	NA	NA	NA	0.92183989	-2.17982384	3.117279256	-0.699271275	0.484382515	NA	NA
ENSG00000236654	NA	NA	NA	0.92183989	-2.17982384	3.117279256	-0.699271275	0.484382515	NA	NA
ENSG00000177197	NA	NA	NA	0.928277426	-2.179736422	3.111035246	-0.70064665	0.483523558	NA	NA
ENSG00000266149	LOC100192426	uncharacterized LOC100192426	100192426	0.928277426	-2.179736422	3.111035246	-0.70064665	0.483523558	NA	NA
ENSG00000226232	NPIPA8	nuclear pore complex interacting protein family member A8	101059953	0.963177764	-2.179267484	3.07826214	-0.707953834	0.478973927	NA	NA
ENSG00000135643	KCNMB4	potassium calcium-activated channel subfamily M regulatory beta subunit 4	27345	285.7158961	-2.177699558	0.593230974	-3.670913444	0.000241685	0.044109297	FDR<0.05
ENSG00000261904	NA	NA	NA	1.624888768	-2.1743738	2.62946527	-0.826926229	0.408278876	NA	NA
ENSG00000211599	NA	NA	NA	25.25441824	-2.168869933	1.511232365	-1.435166413	0.151239682	0.999371363	Not Sig
ENSG00000147255	IGSF1	immunoglobulin superfamily member 1	3547	46.78819301	-2.167536576	1.251311582	-1.73221171	0.083235875	0.999371363	Not Sig
ENSG00000197273	GUCA2A	guanylate cyclase activator 2A	2980	2.620447016	-2.162526867	2.061944217	-1.04878049	0.294279159	NA	NA
ENSG00000099812	MISP	mitotic spindle positioning	126353	970.3279145	-2.159690135	0.452283272	-4.77508294	1.80E-06	0.000729716	FDR<0.05
ENSG00000264754	NA	NA	NA	21.06668111	-2.158117428	0.91768923	-2.35168656	0.018688515	0.698351556	Not Sig
ENSG00000105711	SCN1B	sodium voltage-gated channel beta subunit 1	6324	270.6730967	-2.154794959	0.666227611	-3.234322509	0.001219317	0.134691726	Not Sig
ENSG00000250654	LOC100240735	uncharacterized LOC100240735	100240735	6.204718533	-2.153585272	1.723032709	-1.249880667	0.211343143	NA	NA
ENSG00000236358	NA	NA	NA	9.060162445	-2.153040726	1.530138561	-1.40708873	0.159401079	0.999371363	Not Sig
ENSG00000207739	MIR218-2	microRNA 218-2	407001	3.199621666	-2.147432585	1.961741571	-1.094656206	0.273667282	NA	NA
ENSG00000182327	GLTPD2	glycolipid transfer protein domain containing 2	388323	70.90241647	-2.146685079	0.862385051	-2.489241987	0.01280158	0.561528648	Not Sig
ENSG00000204121	NA	NA	NA	9.224725189	-2.141592306	1.290861722	-1.659040832	0.097107565	0.999371363	Not Sig
ENSG00000109472	CPE	carboxypeptidase E	1363	2523.938652	-2.14123257	0.687014859	-3.116719444	0.001828755	0.169334662	Not Sig
ENSG00000259274	NA	NA	NA	3.524065853	-2.140582356	1.404863254	-1.523694459	0.127585054	NA	NA
ENSG00000265997	NA	NA	NA	1.89273955	-2.13765695	2.108049066	-1.014045159	0.310561205	NA	NA
ENSG00000259344	NA	NA	NA	11.57403049	-2.137337837	1.380813661	-1.547882888	0.121650495	0.999371363	Not Sig
ENSG00000179546	HTR1D	5-hydroxytryptamine receptor 1D	3352	13.52499132	-2.137333006	0.87552958	-2.441188801	0.014638999	0.612454873	Not Sig
ENSG00000112038	OPRM1	opioid receptor mu 1	4988	0.89607885	-2.13715967	3.097528811	-0.689956349	0.490221638	NA	NA
ENSG00000264614	MIR5588	microRNA 5588	100847054	0.89607885	-2.13715967	3.097528811	-0.689956349	0.490221638	NA	NA
ENSG00000238890	NA	NA	NA	0.902516385	-2.137094797	3.090982107	-0.69139669	0.489316284	NA	NA
ENSG00000227177	NA	NA	NA	0.937416724	-2.136746667	3.056652726	-0.699047899	0.484522097	NA	NA
ENSG00000254023	NA	NA	NA	0.937416724	-2.136746667	3.056652726	-0.699047899	0.484522097	NA	NA
ENSG00000178623	GPR35	G protein-coupled receptor 35	2859	143.8221623	-2.136504918	0.78053993	-2.737214121	0.006196195	0.375137893	Not Sig
ENSG00000225338	NA	NA	NA	1.742507367	-2.13554005	1.953041862	-1.09344305	0.274199321	NA	NA

ENSG00000212354	NA	NA	NA	3.709331417	-2.13494277	1.9946757	-1.07032074	0.284474962	NA	NA
ENSG00000259735	NA	NA	NA	60.03316748	-2.134716405	0.768801405	-2.776681198	0.005491702	0.347522598	Not Sig
ENSG00000204572	KRTAP5-10	keratin associated protein 5-10	387273	1.629908901	-2.134374457	2.23216918	-0.956188481	0.338977019	NA	NA
ENSG00000267105	NA	NA	NA	1.765251694	-2.132508639	1.951293228	-1.092869389	0.27445115	NA	NA
ENSG00000206676	NA	NA	NA	4.128819636	-2.132300904	1.642483932	-1.298217207	0.194212707	NA	NA
ENSG00000160318	CLDND2	claudin domain containing 2	125875	17.61301785	-2.130023518	1.201209647	-1.773232111	0.076190253	0.999371363	Not Sig
ENSG00000201545	NA	NA	NA	1.91690128	-2.118082583	2.549627023	-0.83074213	0.406119321	NA	NA
ENSG00000165188	RNF183	ring finger protein 183	138065	35.95397899	-2.117694231	1.074965568	-1.970011222	0.048837084	0.999371363	Not Sig
ENSG00000187753	C9orf153	chromosome 9 open reading frame 153	389766	6.140362089	-2.117662973	1.216956301	-1.740130661	0.081836078	NA	NA
ENSG00000272975	NA	NA	NA	1.716746327	-2.114432248	1.970671625	-1.072950065	0.283293521	NA	NA
ENSG00000157542	KCNJ6	potassium voltage-gated channel subfamily J member 6	3763	7.892373526	-2.113909523	1.229995464	-1.718631967	0.085681407	0.999371363	Not Sig
ENSG00000199153	MIR30D	microRNA 30d	407033	2.408641589	-2.107966721	2.107372546	-1.00028195	0.31717408	NA	NA
ENSG00000132702	HAPLN2	hyaluronan and proteoglycan link protein 2	60484	4.062356975	-2.10620037	1.468641882	-1.434114331	0.151539639	NA	NA
ENSG00000266543	NA	NA	NA	0.879772058	-2.104059632	2.701911979	-0.778729895	0.436138842	NA	NA
ENSG00000199411	NA	NA	NA	0.886209594	-2.10399437	2.69685439	-0.780166099	0.435293114	NA	NA
ENSG00000219329	NA	NA	NA	0.886209594	-2.10399437	2.69685439	-0.780166099	0.435293114	NA	NA
ENSG00000242113	NA	NA	NA	0.886209594	-2.10399437	2.69685439	-0.780166099	0.435293114	NA	NA
ENSG00000135002	RFK	riboflavin kinase	55312	872.7076663	-2.101525235	0.808347406	-2.599779772	0.00932836	0.475595316	Not Sig
ENSG00000214428	NA	NA	NA	1.709893784	-2.100632092	2.284239314	-0.919619971	0.357771387	NA	NA
ENSG00000174450	GOLGA6L2	golgin A6 family-like 2	283685	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000199901	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000200895	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000202318	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000203581	OR1F2P	olfactory receptor family 1 subfamily F member 2 pseudogene	26184	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000206987	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000210841	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000211819	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000213371	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000217026	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000219074	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000219604	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000221489	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000222337	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000224876	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000224908	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA

ENSG00000225951	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000227274	LOC101928418	uncharacterized LOC101928418	101928418	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000227617	CERS6-AS1	CERS6 antisense RNA 1	100861402	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000230621	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000233045	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000234896	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000235010	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000235454	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000236338	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000239169	SNORD109B	small nucleolar RNA, C/D box 109B	338429	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000239172	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000242049	DNAJB8-AS1	DNAJB8 antisense RNA 1	285224	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000244076	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000244292	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000244619	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000250020	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000251698	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000253119	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000253215	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000254248	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000254656	RTL1	retrotransposon Gag like 1	388015	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000255181	CCDC166	coiled-coil domain containing 166	100130274	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000255851	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000257616	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000263698	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000265460	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000265979	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000266327	MIR4503	microRNA 4503	100616280	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000266417	MIR4424	microRNA 4424	100616328	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000266721	MIR5695	microRNA 5695	100847016	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000267332	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000269103	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000271034	NA	NA	NA	0.376605696	-2.097575228	4.030196574	-0.520464744	0.602739695	NA	NA
ENSG00000248429	FAM198B-AS1	FAM198B antisense RNA 1	285505	119.9004232	-2.095063612	0.789118493	-2.654941723	0.007932211	0.438115501	Not Sig
ENSG00000271002	NA	NA	NA	1.526045623	-2.093286913	2.660975876	-0.786661364	0.431480127	NA	NA

ENSG00000268987	NA	NA	NA	4.869269131	-2.092594968	1.293849867	-1.617339864	0.105804939	NA	NA
ENSG00000204421	LY6G6C	lymphocyte antigen 6 family member G6C	80740	2.653748044	-2.091019678	1.71688292	-1.217916291	0.223255785	NA	NA
ENSG00000217646	NA	NA	NA	1.540753104	-2.090879212	2.675128834	-0.781599445	0.434450013	NA	NA
ENSG00000264764	MIR4772	microRNA 4772	100616157	1.54878995	-2.084135488	2.310353962	-0.902084928	0.367011755	NA	NA
ENSG00000211459	RNR1	s-rRNA	4549	76.15960847	-2.083528923	0.808035413	-2.578511896	0.009922688	0.49192078	Not Sig
ENSG00000236136	NA	NA	NA	1.706877071	-2.082859456	1.954364234	-1.065747838	0.286537646	NA	NA
ENSG00000204179	PTPN20	protein tyrosine phosphatase, non-receptor type 20	26095	4.869087223	-2.082847241	1.250092982	-1.666153854	0.095682774	NA	NA
ENSG00000226549	NA	NA	NA	1.550207353	-2.082590145	2.237736393	-0.93066822	0.352025214	NA	NA
ENSG00000267809	NA	NA	NA	10.48045635	-2.079759491	0.967317515	-2.15002774	0.031553021	0.915546518	Not Sig
ENSG00000185631	NA	NA	NA	0.869902802	-2.078628869	3.115915737	-0.667100475	0.504707957	NA	NA
ENSG00000232748	NA	NA	NA	0.869902802	-2.078628869	3.115915737	-0.667100475	0.504707957	NA	NA
ENSG00000256756	NA	NA	NA	0.869902802	-2.078628869	3.115915737	-0.667100475	0.504707957	NA	NA
ENSG00000236525	NA	NA	NA	3.358811239	-2.076887585	1.525905639	-1.361085202	0.173486765	NA	NA
ENSG00000202392	NA	NA	NA	15.29685071	-2.07612791	0.976156225	-2.126839799	0.033433396	0.947967831	Not Sig
ENSG00000153558	FBXL2	F-box and leucine rich repeat protein 2	25827	372.396117	-2.074650361	0.783676621	-2.647329657	0.008113022	0.446145365	Not Sig
ENSG00000215478	NA	NA	NA	3.015276647	-2.073805033	2.268929997	-0.914001329	0.360716147	NA	NA
ENSG00000198406	NA	NA	NA	13.36163785	-2.073229361	0.936139985	-2.214657415	0.026783588	0.841215479	Not Sig
ENSG00000119919	NKX2-3	NK2 homeobox 3	159296	3.404299894	-2.071614112	1.555385578	-1.331897467	0.182893884	NA	NA
ENSG00000237707	LOC101928596	uncharacterized LOC101928596	101928596	1.57295168	-2.070669924	2.054985534	-1.00763236	0.313630988	NA	NA
ENSG00000215159	NA	NA	NA	2.3196677	-2.066688401	1.724909385	-1.198143171	0.230861284	NA	NA
ENSG00000152726	NA	NA	NA	61.97155162	-2.066024068	1.173863629	-1.760020514	0.078404328	0.999371363	Not Sig
ENSG00000253012	NA	NA	NA	2.31806839	-2.064905506	2.089427011	-0.988264005	0.323023369	NA	NA
ENSG00000162344	FGF19	fibroblast growth factor 19	9965	0.854011018	-2.064332568	3.170053019	-0.651198121	0.514918603	NA	NA
ENSG00000238263	NA	NA	NA	0.854011018	-2.064332568	3.170053019	-0.651198121	0.514918603	NA	NA
ENSG00000251452	NA	NA	NA	0.854011018	-2.064332568	3.170053019	-0.651198121	0.514918603	NA	NA
ENSG00000234369	NA	NA	NA	0.860448554	-2.064314317	3.163055495	-0.652632975	0.513992922	NA	NA
ENSG00000239944	NA	NA	NA	0.860448554	-2.064314317	3.163055495	-0.652632975	0.513992922	NA	NA
ENSG00000273369	NA	NA	NA	0.860448554	-2.064314317	3.163055495	-0.652632975	0.513992922	NA	NA
ENSG00000163515	RETNLB	resistin like beta	84666	0.895348892	-2.06421636	3.126420017	-0.660249214	0.509093915	NA	NA
ENSG00000187658	C5orf52	chromosome 5 open reading frame 52	100190949	0.895348892	-2.06421636	3.126420017	-0.660249214	0.509093915	NA	NA
ENSG00000253705	NA	NA	NA	0.895348892	-2.06421636	3.126420017	-0.660249214	0.509093915	NA	NA
ENSG00000265244	NA	NA	NA	0.895348892	-2.06421636	3.126420017	-0.660249214	0.509093915	NA	NA
ENSG00000212207	NA	NA	NA	2.586334179	-2.064013116	1.852697069	-1.114058607	0.265254045	NA	NA
ENSG00000202487	NA	NA	NA	16.43024856	-2.063749049	0.995697479	-2.07266674	0.038203305	0.999371363	Not Sig
ENSG00000207263	SNORD116-16	small nucleolar RNA, C/D box 116-16	100033428	2.332957779	-2.062441244	1.794598146	-1.149249624	0.250453064	NA	NA

ENSG00000144130	NT5DC4	5'-nucleotidase domain containing 4	284958	11.83154276	-2.062000718	1.408633707	-1.463830311	0.143240318	0.999371363	Not Sig
ENSG00000272979	NA	NA	NA	4.015491212	-2.060853116	1.457888359	-1.413587744	0.157482982	NA	NA
ENSG00000266063	MIR4771-2	microRNA 4771-2	100616165	1.524446313	-2.060637066	2.299296203	-0.896203396	0.370144142	NA	NA
ENSG00000258466	NA	NA	NA	3.271376898	-2.058313477	1.50557098	-1.367131476	0.171584099	NA	NA
ENSG00000109205	ODAM	odontogenic, ameloblast associated	54959	9.911986074	-2.055604757	1.509866896	-1.361447663	0.173372263	0.999371363	Not Sig
ENSG00000265520	MIR548V	microRNA 548v	100422850	59.82105748	-2.051935202	0.915646334	-2.240969168	0.025028072	0.816524647	Not Sig
ENSG00000259358	NA	NA	NA	5.674865311	-2.050712931	1.183812301	-1.732295678	0.083220931	NA	NA
ENSG00000134121	CHL1	cell adhesion molecule L1 like	10752	6195.779798	-2.049748151	1.258654744	-1.628522962	0.103414045	0.999371363	Not Sig
ENSG00000252787	NA	NA	NA	3.101821211	-2.049565346	1.978088141	-1.036134489	0.300139404	NA	NA
ENSG00000273262	NA	NA	NA	3.961317605	-2.047629222	1.384811604	-1.478633784	0.139238218	NA	NA
ENSG00000228037	LOC100996583	uncharacterized LOC100996583	100996583	7.605520543	-2.043811014	1.253606103	-1.630345456	0.103028506	0.999371363	Not Sig
ENSG00000204794	NA	NA	NA	12.31619396	-2.043120703	1.045542412	-1.954125131	0.050686421	0.999371363	Not Sig
ENSG00000263666	SNORA70D	small nucleolar RNA, H/ACA box 70D	100379141	1.563082424	-2.042660063	2.23503246	-0.913928589	0.36075437	NA	NA
ENSG00000225193	NA	NA	NA	100.1710796	-2.040570441	0.91208519	-2.237258606	0.025269443	0.820149731	Not Sig
ENSG00000122375	OPN4	opsin 4	94233	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000136697	IL1F10	interleukin 1 family member 10	84639	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000165120	SSMEM1	serine rich single-pass membrane protein 1	136263	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000171532	NEUROD2	neuronal differentiation 2	4761	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000172410	INSL5	insulin like 5	10022	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000177776	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000186452	TMPRSS12	transmembrane protease, serine 12	283471	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000201407	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000205445	KRTAP10-2	keratin associated protein 10-2	386679	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000206936	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000212901	KRTAP3-1	keratin associated protein 3-1	83896	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000213100	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000214914	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000215325	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000215719	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000226908	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000227453	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000230831	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000231588	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000232220	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000232226	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA

ENSG00000232928	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000234080	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000234118	RPL13AP6	ribosomal protein L13a pseudogene 6	644511	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000235308	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000235869	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000237565	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000238166	LOC646938	TBC1 domain family member 2B pseudogene	646938	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000238809	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000239547	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000245008	LOC101929538	uncharacterized LOC101929538	101929538	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000248385	TARM1	T-cell-interacting, activating receptor on myeloid cells 1	441864	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000249580	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000250753	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000250972	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000253661	ZFHX4-AS1	ZFHX4 antisense RNA 1	100192378	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000255967	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000256097	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000256293	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000257359	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000257904	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000259374	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000260405	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000261401	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000262480	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000263478	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000265353	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000265395	MIR3944	microRNA 3944	100500911	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000266551	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000266632	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000266954	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000267815	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000267889	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000268015	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000270136	MINOS1-NBL1	MINOS1-NBL1 readthrough	100532736	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA
ENSG00000271404	NA	NA	NA	0.360298904	-2.0395095	4.035174294	-0.505432814	0.613254876	NA	NA

ENSG00000163221	S100A12	S100 calcium binding protein A12	6283	5.674217204	-2.038119691	1.533705218	-1.328886195	0.183885519	NA	NA
ENSG00000222493	NA	NA	NA	2.403488413	-2.037845506	1.758683094	-1.158733778	0.246564718	NA	NA
ENSG00000251722	NA	NA	NA	3.482685466	-2.037773191	1.700677834	-1.198212354	0.230834357	NA	NA
ENSG00000228157	NA	NA	NA	13.58374782	-2.037038308	1.627064459	-1.251971486	0.210580254	0.999371363	Not Sig
ENSG00000226786	NA	NA	NA	14.16799491	-2.036994123	1.399462258	-1.455554883	0.145515708	0.999371363	Not Sig
ENSG00000166143	PPP1R14D	protein phosphatase 1 regulatory inhibitor subunit 14D	54866	47.29901516	-2.034283634	1.156042618	-1.759696055	0.078459355	0.999371363	Not Sig
ENSG00000121089	NA	NA	NA	0.844141762	-2.033671461	2.720250573	-0.74760446	0.454698774	NA	NA
ENSG00000225695	NA	NA	NA	0.844141762	-2.033671461	2.720250573	-0.74760446	0.454698774	NA	NA
ENSG00000241032	NA	NA	NA	0.844141762	-2.033671461	2.720250573	-0.74760446	0.454698774	NA	NA
ENSG00000253602	NA	NA	NA	0.844141762	-2.033671461	2.720250573	-0.74760446	0.454698774	NA	NA
ENSG00000202237	NA	NA	NA	0.879042101	-2.033648721	2.691819991	-0.755492094	0.449953774	NA	NA
ENSG00000231404	NA	NA	NA	0.879042101	-2.033648721	2.691819991	-0.755492094	0.449953774	NA	NA
ENSG00000259314	NA	NA	NA	0.879042101	-2.033648721	2.691819991	-0.755492094	0.449953774	NA	NA
ENSG00000260049	NA	NA	NA	0.879042101	-2.033648721	2.691819991	-0.755492094	0.449953774	NA	NA
ENSG00000266026	NA	NA	NA	0.879042101	-2.033648721	2.691819991	-0.755492094	0.449953774	NA	NA
ENSG00000060709	RIMBP2	RIMS binding protein 2	23504	46.15736696	-2.032459623	1.399967381	-1.4517907	0.146559811	0.999371363	Not Sig
ENSG00000253468	NA	NA	NA	3.085514419	-2.030398971	1.741263523	-1.166049219	0.243594546	NA	NA
ENSG00000206633	SNORA80B	small nucleolar RNA, H/ACA box 80B	100302743	39.2091134	-2.030276276	0.85719061	-2.368523701	0.017859236	0.674897979	Not Sig
ENSG00000259432	NA	NA	NA	3.499994653	-2.030183163	2.009741114	-1.010171484	0.312413139	NA	NA
ENSG00000263232	NA	NA	NA	3.172533753	-2.026480879	1.446000609	-1.401438468	0.161082996	NA	NA
ENSG00000203812	HIST2H2AA3	histone cluster 2 H2A family member a3	8337	2.285454806	-2.025690773	1.781365104	-1.137156425	0.2554729	NA	NA
ENSG00000225900	NA	NA	NA	16.36713839	-2.023948561	1.204704182	-1.680037798	0.092949962	0.999371363	Not Sig
ENSG00000260592	NA	NA	NA	5.606985248	-2.02337051	1.755665027	-1.152480957	0.249123491	NA	NA
ENSG00000212246	NA	NA	NA	1.537321384	-2.01964431	2.296370532	-0.87949409	0.379133436	NA	NA
ENSG00000217159	NA	NA	NA	2.965759357	-2.017426182	1.883165764	-1.071295061	0.28403678	NA	NA
ENSG00000236411	NA	NA	NA	4.154720072	-2.016953686	1.417864418	-1.422529306	0.15487265	NA	NA
ENSG00000207468	SNORA19	small nucleolar RNA, H/ACA box 19	641451	17.04270477	-2.011776391	1.174891646	-1.712308022	0.086839919	0.999371363	Not Sig
ENSG00000268747	NA	NA	NA	2.386766614	-2.008756406	1.67245967	-1.20107913	0.229720508	NA	NA
ENSG00000253806	NA	NA	NA	0.862735309	-2.004211543	2.700503344	-0.742162215	0.457989059	NA	NA
ENSG00000263752	MIR3133	microRNA 3133	100422942	0.862735309	-2.004211543	2.700503344	-0.742162215	0.457989059	NA	NA
ENSG00000265466	NA	NA	NA	0.862735309	-2.004211543	2.700503344	-0.742162215	0.457989059	NA	NA
ENSG00000254372	NA	NA	NA	0.821397435	-2.004097113	2.735341236	-0.732668044	0.463760919	NA	NA
ENSG00000144278	GALNT13	polypeptide N-acetylgalactosaminyltransferase 13	114805	91.2363022	-2.004096725	0.700890445	-2.859358035	0.004244994	0.29864361	Not Sig
ENSG00000265874	MIR4489	microRNA 4489	100616284	7.737460176	-2.001833895	1.086724122	-1.842081035	0.065463298	0.999371363	Not Sig
ENSG00000199603	NA	NA	NA	2.401474095	-2.00174373	1.897129131	-1.055143637	0.291359637	NA	NA

ENSG00000238924	NA	NA	NA	5.137028534	-2.001195788	1.814618328	-1.10281912	0.270105723	NA	NA
ENSG00000233416	NA	NA	NA	11.74034738	-2.001187994	0.879792806	-2.274612819	0.022929166	0.768580599	Not Sig
ENSG00000207997	MIR644A	microRNA 644a	693229	14.75281722	-2.000293923	1.511019176	-1.323804459	0.185567995	0.999371363	Not Sig
ENSG00000167759	KLK13	kallikrein related peptidase 13	26085	11.16445926	-1.996915433	1.16813887	-1.709484621	0.087361218	0.999371363	Not Sig
ENSG00000168334	XIRP1	xin actin binding repeat containing 1	165904	29.62751962	-1.995703941	1.078849965	-1.849843821	0.064336063	0.999371363	Not Sig
ENSG00000127412	TRPV5	transient receptor potential cation channel subfamily V member 5	56302	2.338261247	-1.994500796	1.758167823	-1.134420031	0.256618401	NA	NA
ENSG00000175161	CADM2	cell adhesion molecule 2	253559	43.21058106	-1.99382946	0.801249054	-2.488401638	0.012831873	0.561528648	Not Sig
ENSG00000272418	NA	NA	NA	2.96534435	-1.99355493	1.72633687	-1.154789059	0.248176818	NA	NA
ENSG00000259592	NA	NA	NA	6.788402505	-1.99350435	1.101447453	-1.809895102	0.070312056	0.999371363	Not Sig
ENSG00000166211	SPIC	Spi-C transcription factor	121599	2.653433093	-1.992206731	1.965214265	-1.013735126	0.310709158	NA	NA
ENSG00000183775	KCTD16	potassium channel tetramerization domain containing 16	57528	137.2365992	-1.991679744	0.617746622	-3.224104629	0.001263672	0.135444671	Not Sig
ENSG00000200403	NA	NA	NA	6.250698771	-1.989387011	1.322921853	-1.503782712	0.132637324	NA	NA
ENSG00000200525	NA	NA	NA	3.698992493	-1.98916919	1.898080936	-1.047989658	0.294643372	NA	NA
ENSG00000204771	NA	NA	NA	7.026596654	-1.988483008	1.165868721	-1.705580544	0.088086204	0.999371363	Not Sig
ENSG00000227054	NA	NA	NA	1.593144537	-1.987327633	2.398780457	-0.828474164	0.407402021	NA	NA
ENSG00000230897	NA	NA	NA	2.24982451	-1.984279473	1.772042006	-1.119769997	0.262811788	NA	NA
ENSG00000206870	NA	NA	NA	1.457619836	-1.980404027	2.721784307	-0.727612406	0.466850884	NA	NA
ENSG00000145198	VWA5B2	von Willebrand factor A domain containing 5B2	90113	21.77182544	-1.978471378	1.222582646	-1.618272094	0.105603972	0.999371363	Not Sig
ENSG00000262874	C19orf84	chromosome 19 open reading frame 84	147646	2.860063669	-1.978364911	2.313711759	-0.855061096	0.392517326	NA	NA
ENSG00000262721	NA	NA	NA	5.031332847	-1.977776165	1.487830037	-1.329302485	0.183748195	NA	NA
ENSG00000235903	CPB2-AS1	CPB2 antisense RNA 1	100509894	6.370330319	-1.977579503	1.731111867	-1.142375338	0.253298038	NA	NA
ENSG00000252779	NA	NA	NA	2.336661937	-1.974737055	1.833887728	-1.076803681	0.281567981	NA	NA
ENSG00000264712	MIR4504	microRNA 4504	100616261	2.359406264	-1.973655428	1.892677056	-1.042785097	0.297047835	NA	NA
ENSG00000206859	NA	NA	NA	10.68394847	-1.972785054	1.26305371	-1.561916994	0.118307544	0.999371363	Not Sig
ENSG00000015592	STMN4	stathmin 4	81551	0.846428517	-1.971582465	3.164904256	-0.622951693	0.533316267	NA	NA
ENSG00000167131	CCDC103	coiled-coil domain containing 103	388389	0.846428517	-1.971582465	3.164904256	-0.622951693	0.533316267	NA	NA
ENSG00000187902	SHISA7	shisa family member 7	729956	0.811528179	-1.971406473	3.204830121	-0.615136029	0.53846489	NA	NA
ENSG00000261312	NA	NA	NA	0.811528179	-1.971406473	3.204830121	-0.615136029	0.53846489	NA	NA
ENSG00000172689	MS4A10	membrane spanning 4-domains A10	341116	0.805090643	-1.971373631	3.212471984	-0.613662513	0.539438365	NA	NA
ENSG00000207248	NA	NA	NA	6.796087683	-1.968382295	1.617355847	-1.217037239	0.223590048	0.999371363	Not Sig
ENSG00000259354	NA	NA	NA	260.5223693	-1.967636605	1.023625368	-1.922223371	0.054577657	0.999371363	Not Sig
ENSG00000250643	NA	NA	NA	9.137625933	-1.965493348	1.12890695	-1.741058772	0.081673277	0.999371363	Not Sig
ENSG00000101405	OXT	oxytocin/neurophysin I prepropeptide	5020	2.1944666	-1.965418757	1.835100093	-1.071014472	0.284162923	NA	NA
ENSG00000252914	NA	NA	NA	12.16475069	-1.964609105	1.746371215	-1.124966495	0.260603233	0.999371363	Not Sig
ENSG00000142273	CBLC	Cbl proto-oncogene C	23624	440.0014342	-1.962303876	0.951312657	-2.062732858	0.039138016	0.999371363	Not Sig

ENSG00000256651	NA	NA	NA	7.227477139	-1.960449161	1.362347353	-1.439022989	0.150144009	0.999371363	Not Sig
ENSG00000205810	KLRC3	killer cell lectin like receptor C3	3823	6.641066141	-1.959582044	1.256048181	-1.560116939	0.118732249	0.999371363	Not Sig
ENSG00000199035	MIR103A1	microRNA 103a-1	406895	0.836974269	-1.956282666	3.173077039	-0.616525424	0.537547798	NA	NA
ENSG00000230734	NA	NA	NA	0.836974269	-1.956282666	3.173077039	-0.616525424	0.537547798	NA	NA
ENSG00000220349	NA	NA	NA	0.80207393	-1.955968447	3.213678416	-0.608638511	0.542764072	NA	NA
ENSG00000240235	NA	NA	NA	0.80207393	-1.955968447	3.213678416	-0.608638511	0.542764072	NA	NA
ENSG00000248305	NA	NA	NA	0.80207393	-1.955968447	3.213678416	-0.608638511	0.542764072	NA	NA
ENSG00000249973	NA	NA	NA	0.80207393	-1.955968447	3.213678416	-0.608638511	0.542764072	NA	NA
ENSG00000250116	LOC100506142	uncharacterized LOC100506142	100506142	0.80207393	-1.955968447	3.213678416	-0.608638511	0.542764072	NA	NA
ENSG00000253588	NA	NA	NA	0.80207393	-1.955968447	3.213678416	-0.608638511	0.542764072	NA	NA
ENSG00000236341	NA	NA	NA	0.795636395	-1.955909719	3.221453015	-0.607151403	0.543750439	NA	NA
ENSG00000243051	NA	NA	NA	5.49215894	-1.95570894	1.1301245	-1.730525212	0.083536481	NA	NA
ENSG00000264792	MIR4637	microRNA 4637	100616271	4.76216472	-1.951644627	1.3455923	-1.450398183	0.146947514	NA	NA
ENSG00000064835	POU1F1	POU class 1 homeobox 1	5449	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000091138	SLC26A3	solute carrier family 26 member 3	1811	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000100341	PNPLA5	patatin like phospholipase domain containing 5	150379	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000100652	SLC10A1	solute carrier family 10 member 1	6554	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000104499	GML	glycosylphosphatidylinositol anchored molecule like	2765	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000120094	HOXB1	homeobox B1	3211	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000133020	MYH8	myosin heavy chain 8	4626	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000142515	KLK3	kallikrein related peptidase 3	354	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000143921	ABCG8	ATP binding cassette subfamily G member 8	64241	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000144820	ADGRG7	adhesion G protein-coupled receptor G7	84873	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000144962	SPATA16	spermatogenesis associated 16	83893	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000147256	ARHGAP36	Rho GTPase activating protein 36	158763	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000164256	PRDM9	PR/SET domain 9	56979	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000166787	SAA3P	serum amyloid A3 pseudogene	6290	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000168505	GBX2	gastrulation brain homeobox 2	2637	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000171209	CSN3	casein kappa	1448	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000174279	EVX2	even-skipped homeobox 2	344191	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000182177	ASB18	ankyrin repeat and SOCS box containing 18	401036	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000182814	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000182854	OR4F15	olfactory receptor family 4 subfamily F member 15	390649	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000185176	AQP12B	aquaporin 12B	653437	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000185940	KRTAP5-5	keratin associated protein 5-5	439915	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA

ENSG00000186297	GABRA5	gamma-aminobutyric acid type A receptor alpha5 subunit	2558	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000188384	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000196472	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000196900	TEX43	testis expressed 43	389320	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000197476	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000197674	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000199104	MIR346	microRNA 346	442911	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000200222	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000200237	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000201326	SNORD115-22	small nucleolar RNA, C/D box 115-22	100033799	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000201813	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000202111	VTRNA1-2	vault RNA 1-2	56663	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000207390	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000207941	MIR552	microRNA 552	693137	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000208012	MIRLET7F2	microRNA let-7f-2	406889	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000211568	MIR670	microRNA 670	100313777	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000218672	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000219770	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000222788	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000223274	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000223678	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000224443	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000224987	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000225463	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000225858	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000227179	PGCP1	progastricsin pseudogene 1	441897	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000227183	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000227882	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000228546	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000229190	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000229303	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000229532	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000229711	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000229797	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000231213	PLSCR5	phospholipid scramblase family member 5	389158	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA

ENSG00000231956	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000233611	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000233635	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000233932	CTXN2	cortexin 2	399697	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000234450	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000235239	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000235300	THRA1/BTR	uncharacterized LOC105371807	105371807	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000235828	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000236620	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000236669	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000236913	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000237194	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000237293	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000238481	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000238565	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000239007	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000239322	ATP6V1B1-AS1	ATP6V1B1 antisense RNA 1	101927750	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000239881	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000240327	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000241291	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000241293	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000241451	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000243499	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000244056	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000244668	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000246214	LOC101929524	uncharacterized LOC101929524	101929524	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000248113	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000250511	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000250761	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000250850	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000251099	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000251419	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000251447	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000251691	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000252131	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA

ENSG00000252826	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000253325	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000253397	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000255084	LOC101928896	uncharacterized LOC101928896	101928896	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000255394	C8orf49	chromosome 8 open reading frame 49 (putative)	606553	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000255663	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000256031	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000257582	LINC01475	long intergenic non-protein coding RNA 1475	101927324	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000259168	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000259231	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000259280	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000259699	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000261191	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000261292	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000261796	ISY1-RAB43	ISY1-RAB43 readthrough	100534599	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000263644	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000263670	MIR4457	microRNA 4457	100616235	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000264690	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000265164	MIR2681	microRNA 2681	100616110	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000268098	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000268674	FAM231D	family with sequence similarity 231 member D	644634	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000268674	FAM231C	family with sequence similarity 231 member C	729587	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000268674	LOC100996741	uncharacterized LOC100996741	100996741	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000268674	FAM231A	protein FAM231A	102723383	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000268886	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000269811	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000271253	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000272167	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000272333	KMT2B	lysine methyltransferase 2B	9757	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000272634	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000272664	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000272904	NA	NA	NA	0.334537864	-1.950852552	4.043157289	-0.482507212	0.629445676	NA	NA
ENSG00000264633	MIR4271	microRNA 4271	100422952	1.417151315	-1.949294613	2.382894756	-0.818036385	0.413336411	NA	NA
ENSG00000196138	NA	NA	NA	23.61211215	-1.949026978	1.190159214	-1.637618695	0.101501261	0.999371363	Not Sig
ENSG00000165061	ZMAT4	zinc finger matrin-type 4	79698	6.473319819	-1.948253981	1.405618398	-1.386047581	0.165732375	NA	NA

ENSG00000207518	NA	NA	NA	5.524175608	-1.947394053	1.267349755	-1.536587706	0.124394305	NA	NA
ENSG00000240409	NA	NA	NA	1.749632348	-1.947036238	2.62872106	-0.740678145	0.458888614	NA	NA
ENSG00000116711	PLA2G4A	phospholipase A2 group IVA	5321	616.2271779	-1.945788185	0.841000991	-2.313657422	0.020686521	0.730537685	Not Sig
ENSG00000244681	MTHFD2P1	<small>methylenetetrahydrofolate dehydrogenase (NADP-dependent) 2, cytosolic isoform</small>	100287639	1.573821033	-1.944358778	2.333998474	-0.833059147	0.404811372	NA	NA
ENSG00000166349	RAG1	recombination activating 1	5896	107.2804008	-1.943527463	0.897828644	-2.164697548	0.030410855	0.905352003	Not Sig
ENSG00000271767	NA	NA	NA	1.425006253	-1.942474101	2.731838257	-0.711050186	0.477053137	NA	NA
ENSG00000261916	NA	NA	NA	25.90614603	-1.942162141	0.876259363	-2.21642384	0.026662488	0.841215479	Not Sig
ENSG00000169174	PCSK9	proprotein convertase subtilisin/kexin type 9	255738	618.2471883	-1.941943226	0.854183476	-2.273449768	0.022999909	0.768580599	Not Sig
ENSG00000238818	NA	NA	NA	3.299109743	-1.940096507	1.651030139	-1.17508243	0.239961739	NA	NA
ENSG00000272217	NA	NA	NA	3.718182955	-1.936671314	1.337718904	-1.447741606	0.147689329	NA	NA
ENSG00000264349	MIR4258	microRNA 4258	100423020	1.470494907	-1.933778999	2.718335681	-0.711383444	0.476846655	NA	NA
ENSG00000239132	NA	NA	NA	7.88728603	-1.929493265	1.29907931	-1.485277497	0.13747033	0.999371363	Not Sig
ENSG00000243986	NA	NA	NA	16.09156184	-1.928366723	0.754732651	-2.555032859	0.010617777	0.508401791	Not Sig
ENSG00000239969	NA	NA	NA	36.78762153	-1.925924591	0.907288257	-2.122726241	0.033776799	0.951568739	Not Sig
ENSG00000178631	NA	NA	NA	22.94979716	-1.925285637	0.935423111	-2.058197638	0.039571165	0.999371363	Not Sig
ENSG00000257790	NA	NA	NA	1.42358885	-1.924594423	2.145610421	-0.896991553	0.369723425	NA	NA
ENSG00000235489	NA	NA	NA	0.820667477	-1.924373055	3.147002544	-0.611493962	0.540872614	NA	NA
ENSG00000244301	NA	NA	NA	0.820667477	-1.924373055	3.147002544	-0.611493962	0.540872614	NA	NA
ENSG00000249799	NA	NA	NA	0.820667477	-1.924373055	3.147002544	-0.611493962	0.540872614	NA	NA
ENSG00000271329	NA	NA	NA	0.820667477	-1.924373055	3.147002544	-0.611493962	0.540872614	NA	NA
ENSG00000080644	CHRNA3	cholinergic receptor nicotinic alpha 3 subunit	1136	11.96016535	-1.924227815	1.158433158	-1.66106072	0.096701252	0.999371363	Not Sig
ENSG00000237402	NA	NA	NA	0.785767139	-1.923915796	3.189066473	-0.603284946	0.546319146	NA	NA
ENSG00000258734	NA	NA	NA	0.785767139	-1.923915796	3.189066473	-0.603284946	0.546319146	NA	NA
ENSG00000271899	MIR4466	microRNA 4466	100616154	0.785767139	-1.923915796	3.189066473	-0.603284946	0.546319146	NA	NA
ENSG00000263709	NA	NA	NA	0.779329603	-1.923830379	3.197127616	-0.601737125	0.547349134	NA	NA
ENSG00000270424	NA	NA	NA	0.779329603	-1.923830379	3.197127616	-0.601737125	0.547349134	NA	NA
ENSG00000136011	STAB2	stabilin 2	55576	97.37937974	-1.922318567	0.734508858	-2.617148242	0.008866782	0.471136671	Not Sig
ENSG00000179915	NRXN1	neurexin 1	9378	28.43981154	-1.921885116	1.090254543	-1.762785698	0.07793664	0.999371363	Not Sig
ENSG00000154319	FAM167A	family with sequence similarity 167 member A	83648	476.5759739	-1.9212057	1.005829123	-1.910071656	0.056123988	0.999371363	Not Sig
ENSG00000132938	MTUS2	microtubule associated scaffold protein 2	23281	30.56186043	-1.919770845	1.167671468	-1.644101871	0.100155162	0.999371363	Not Sig
ENSG00000251756	NA	NA	NA	2.26983546	-1.917000048	2.165486304	-0.885251523	0.376020989	NA	NA
ENSG00000204172	AGAP9	<small>ArfGAP with GTPase domain, ankyrin repeat and PH domain 9</small>	642517	2.2752706	-1.91652721	1.917218012	-0.999639685	0.31748491	NA	NA
ENSG00000260139	NA	NA	NA	20.17899918	-1.91641855	1.221927145	-1.568357456	0.116797734	0.999371363	Not Sig
ENSG00000253114	NA	NA	NA	9.191866068	-1.914175509	1.174594649	-1.629647735	0.10317597	0.999371363	Not Sig
ENSG00000254536	NA	NA	NA	2.924560878	-1.913426231	1.634314926	-1.170781836	0.241686481	NA	NA

ENSG00000249595	NA	NA	NA	1.44775058	-1.913110372	2.163930807	-0.884090363	0.376647435	NA	NA
ENSG00000200304	NA	NA	NA	3.24073512	-1.912679478	1.612847649	-1.18590214	0.235660948	NA	NA
ENSG00000199571	NA	NA	NA	3.9987269	-1.911033873	1.541274565	-1.239904892	0.215010574	NA	NA
ENSG00000118520	ARG1	arginase 1	383	1.565369179	-1.909337176	2.329470355	-0.819644333	0.412418893	NA	NA
ENSG00000273474	NA	NA	NA	3.011520449	-1.907844489	1.814544897	-1.051417627	0.293066824	NA	NA
ENSG00000259219	LOC105371022	uncharacterized LOC105371022	105371022	1.430026386	-1.906988945	2.379478672	-0.801431409	0.422881938	NA	NA
ENSG00000239017	NA	NA	NA	1.431443788	-1.906984726	2.401834113	-0.793970206	0.427212777	NA	NA
ENSG00000197723	NA	NA	NA	2.071279818	-1.904103445	2.129284626	-0.894245617	0.37119049	NA	NA
ENSG00000199645	NA	NA	NA	2.560845577	-1.903269416	2.376961034	-0.800715447	0.423296398	NA	NA
ENSG00000200792	SNORA80A	small nucleolar RNA, H/ACA box 80A	677846	22.75822463	-1.901666045	1.245550668	-1.526767313	0.126818882	0.999371363	Not Sig
ENSG00000238384	NA	NA	NA	4.7255225	-1.901481304	1.819445276	-1.045088484	0.295982076	NA	NA
ENSG00000230922	LOC101927551	uncharacterized LOC101927551	101927551	4.229335928	-1.900562837	1.851940187	-1.026254979	0.304771413	NA	NA
ENSG00000273188	NA	NA	NA	2.260148112	-1.898893482	2.142237117	-0.886406769	0.375398373	NA	NA
ENSG00000259661	NA	NA	NA	1.42198954	-1.897529336	2.388767471	-0.79435498	0.426988805	NA	NA
ENSG00000139874	SSTR1	somatostatin receptor 1	6751	197.3569321	-1.895562792	1.004622588	-1.886840705	0.059181754	0.999371363	Not Sig
ENSG00000272405	NA	NA	NA	305.7471362	-1.894411407	1.159870095	-1.63329619	0.102406718	0.999371363	Not Sig
ENSG00000154040	CABYR	calcium binding tyrosine phosphorylation regulated	26256	49.1833617	-1.892145626	1.012872653	-1.868098246	0.061748378	0.999371363	Not Sig
ENSG00000265106	NA	NA	NA	0.804360686	-1.89093682	3.201645304	-0.590614088	0.554779023	NA	NA
ENSG00000267214	NA	NA	NA	0.804360686	-1.89093682	3.201645304	-0.590614088	0.554779023	NA	NA
ENSG00000267641	NA	NA	NA	0.804360686	-1.89093682	3.201645304	-0.590614088	0.554779023	NA	NA
ENSG00000268030	NA	NA	NA	0.804360686	-1.89093682	3.201645304	-0.590614088	0.554779023	NA	NA
ENSG00000182601	HS3ST4	heparan sulfate-glucosamine 3-sulfotransferase 4	9951	0.769460347	-1.890364299	3.244790193	-0.582584447	0.560173078	NA	NA
ENSG00000224609	HSD52	uncharacterized LOC729467	729467	0.763022812	-1.89025729	3.253064823	-0.581069666	0.561193502	NA	NA
ENSG00000253534	NA	NA	NA	0.763022812	-1.89025729	3.253064823	-0.581069666	0.561193502	NA	NA
ENSG00000197106	SLC6A17	solute carrier family 6 member 17	388662	23.9090382	-1.889090777	1.429718731	-1.32130239	0.186400557	0.999371363	Not Sig
ENSG00000259867	NA	NA	NA	2.210458441	-1.888963946	1.883913478	-1.002680839	0.316014878	NA	NA
ENSG00000092607	TBX15	T-box 15	6913	219.777387	-1.888723546	1.129318177	-1.672445893	0.094436429	0.999371363	Not Sig
ENSG00000124092	CTCF	CCCTC-binding factor like	140690	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000124227	ANKRD60	ankyrin repeat domain 60	140731	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000130182	ZSCAN10	zinc finger and SCAN domain containing 10	84891	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000151577	DRD3	dopamine receptor D3	1814	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000168925	CTRB1	chymotrypsinogen B1	1504	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000169953	HSFY2	heat shock transcription factor, Y-linked 2	159119	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000181023	OR56B1	olfactory receptor family 56 subfamily B member 1	387748	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000181359	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA

ENSG00000189013	KIR2DL4	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 4	3805	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000196593	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000201794	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000207972	MIR638	microRNA 638	693223	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000211715	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000214027	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000215089	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000221291	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000221301	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000226014	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000228208	Clorf143	chromosome 1 open reading frame 143 (putative)	440714	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000229515	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000231128	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000232429	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000232654	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000236533	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000238118	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000239202	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000240477	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000240661	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000242748	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000243844	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000243856	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000244273	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000253247	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000255387	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000255726	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000255963	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000259217	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000261524	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000263855	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000264452	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000264624	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000264741	MIR4505	microRNA 4505	100616158	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000265370	MIR4682	microRNA 4682	100616322	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA

ENSG00000265635	MIR3612	microRNA 3612	100500817	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000266276	MIR4743	microRNA 4743	100616366	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000266522	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000268302	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000268861	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000268938	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000270462	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000272995	NA	NA	NA	0.318231072	-1.888165458	4.049093934	-0.466318018	0.640987884	NA	NA
ENSG00000142233	NTN5	netrin 5	126147	16.61297065	-1.878809707	1.070646989	-1.754835839	0.079287391	0.999371363	Not Sig
ENSG00000260296	NA	NA	NA	42.30921956	-1.876380711	1.011400264	-1.855230592	0.063563305	0.999371363	Not Sig
ENSG00000197258	NA	NA	NA	29.69184277	-1.875694036	0.802372728	-2.337684183	0.019403637	0.709667191	Not Sig
ENSG00000199933	NA	NA	NA	8.43823733	-1.874213952	1.140023204	-1.644013863	0.100173339	0.999371363	Not Sig
ENSG00000228540	NA	NA	NA	14.02618156	-1.867934164	1.356534913	-1.376989376	0.168515533	0.999371363	Not Sig
ENSG00000012504	NR1H4	nuclear receptor subfamily 1 group H member 4	9971	9.954955952	-1.867584351	1.104442207	-1.690975173	0.090841545	0.999371363	Not Sig
ENSG00000266916	NA	NA	NA	20.14804492	-1.867435573	0.978546507	-1.908376924	0.056342517	0.999371363	Not Sig
ENSG00000248731	NA	NA	NA	2.200589185	-1.865088103	1.673824489	-1.114267424	0.265164478	NA	NA
ENSG00000263511	MIR5699	microRNA 5699	100847086	9.861793607	-1.864817296	1.083813475	-1.720607226	0.085322121	0.999371363	Not Sig
ENSG00000244327	NA	NA	NA	16.59245275	-1.862747563	1.315037006	-1.416498209	0.156629688	0.999371363	Not Sig
ENSG00000252916	NA	NA	NA	4.543373707	-1.862396817	1.633295593	-1.140269296	0.254174125	NA	NA
ENSG00000238754	SCARNA18B	small Cajal body-specific RNA 18B	107397392	4.339505069	-1.861446008	1.473059447	-1.263659802	0.206352159	NA	NA
ENSG00000168702	LRP1B	LDL receptor related protein 1B	53353	57.82391075	-1.860221433	0.851588012	-2.184414772	0.028931784	0.888629151	Not Sig
ENSG00000185950	IRS2	insulin receptor substrate 2	8660	3835.210055	-1.859036314	0.640540463	-2.902293332	0.003704415	0.27347713	Not Sig
ENSG00000010438	PRSS3	protease, serine 3	5646	7.971377811	-1.858700714	1.706026508	-1.08949111	0.275937373	0.999371363	Not Sig
ENSG00000196326	NA	NA	NA	5.002290379	-1.858228893	1.848244822	-1.00540192	0.314703356	NA	NA
ENSG00000163746	PLSCR2	phospholipid scramblase 2	57047	29.32636376	-1.858076349	1.132092986	-1.641275382	0.100740264	0.999371363	Not Sig
ENSG00000265361	NA	NA	NA	4.995232883	-1.855896764	1.214250372	-1.528430055	0.126405797	NA	NA
ENSG00000259799	NA	NA	NA	11.17898939	-1.855744598	0.895781169	-2.071649486	0.038298141	0.999371363	Not Sig
ENSG00000253019	NA	NA	NA	2.904640458	-1.855656789	1.590861731	-1.166447563	0.243433538	NA	NA
ENSG00000223284	NA	NA	NA	13.49193537	-1.853149372	1.046751234	-1.770381836	0.076663554	0.999371363	Not Sig
ENSG00000113924	HGD	homogentisate 1,2-dioxygenase	3081	347.2686812	-1.852802372	1.179618312	-1.570679561	0.116257099	0.999371363	Not Sig
ENSG00000230320	NA	NA	NA	3.575075753	-1.851445061	1.44964189	-1.277174089	0.201540793	NA	NA
ENSG00000265432	MIR4308	microRNA 4308	100422984	1.47479598	-1.850846359	2.075538995	-0.891742513	0.372530961	NA	NA
ENSG00000184374	COLEC10	collectin subfamily member 10	10584	24.32972057	-1.85023131	1.049802099	-1.76245724	0.077992075	0.999371363	Not Sig
ENSG00000254629	NA	NA	NA	3.580095886	-1.844200879	1.358706487	-1.357321023	0.17467923	NA	NA
ENSG00000248774	NA	NA	NA	2.730246546	-1.843479366	1.647016454	-1.119284122	0.263018947	NA	NA

ENSG00000252494	NA	NA	NA	3.825020433	-1.841066896	1.441414291	-1.277264217	0.201508982	NA	NA
ENSG00000240270	NA	NA	NA	1.395813492	-1.837124588	2.354199091	-0.780360758	0.435178559	NA	NA
ENSG00000224403	NA	NA	NA	8.069701465	-1.836095237	1.097582382	-1.672854144	0.094356013	0.999371363	Not Sig
ENSG00000211907	NA	NA	NA	1.331416341	-1.83519253	2.826324612	-0.649321215	0.516130776	NA	NA
ENSG00000240012	SLC9A9-AS1	SLC9A9 antisense RNA 1	100885796	1.465341732	-1.833416295	2.37176605	-0.773017345	0.439512116	NA	NA
ENSG00000115593	SMYD1	SET and MYND domain containing 1	150572	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000123307	NEUROD4	neuronal differentiation 4	58158	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000123584	MAGEA9	MAGE family member A9	4108	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000125492	BARHL1	BarH like homeobox 1	56751	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000142698	Clorf94	chromosome 1 open reading frame 94	84970	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000150175	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000157335	CLEC18C	C-type lectin domain family 18 member C	283971	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000162727	OR2M5	olfactory receptor family 2 subfamily M member 5	127059	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000168333	PPDPFL	pancreatic progenitor cell differentiation and proliferation factor like	492307	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000168928	CTRB2	chymotrypsinogen B2	440387	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000177673	TEX44	testis expressed 44	165100	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000178556	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000179636	TPPP2	tubulin polymerization promoting protein family member 2	122664	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000188686	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000188828	GLRA4	glycine receptor alpha 4	441509	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000197416	FABP12	fatty acid binding protein 12	646486	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000198454	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000199201	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000199963	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000200021	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000200141	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000201279	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000201441	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000203902	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000205057	CLLU1OS	chronic lymphocytic leukemia up-regulated 1 opposite strand	574016	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000206679	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000207597	MIR490	microRNA 490	574443	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000208022	MIR618	microRNA 618	693203	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000209702	SNORD41	small nucleolar RNA, C/D box 41	26810	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000212237	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA

ENSG00000213270	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000213527	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000214161	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000214181	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000214794	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000214967	NPIPA7	nuclear pore complex interacting protein family member A7	101059938	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000214967	NPIPA8	nuclear pore complex interacting protein family member A8	101059953	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000217805	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000219016	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000221275	MIR548I2	microRNA 548i-2	100302277	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000221305	MIR548I3	microRNA 548i-3	100302186	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000221443	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000223118	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000224490	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000224927	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000226289	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000226647	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000226780	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000227087	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000227550	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000227881	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000228111	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000228897	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000229616	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000230899	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000230994	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000231712	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000232131	NCOA7-AS1	NCOA7 antisense RNA 1	104355145	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000232471	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000232823	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000232873	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000233780	LINC00367	long intergenic non-protein coding RNA 367	101930748	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000234637	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000235946	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000236217	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA

ENSG00000236582	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000237385	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000238791	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000238803	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000239012	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000239170	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000239994	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000240733	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000241899	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000242912	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000243977	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000244139	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000244641	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000248560	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000248751	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000248956	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000249562	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000250218	ALDH1L1-AS1	ALDH1L1 antisense RNA 1	100874204	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000250261	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000250816	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000252036	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000252275	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000252793	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000253044	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000253259	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000253309	SERPINE3	serpin family E member 3	647174	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000253886	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000254509	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000254529	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000255120	OVOL1-AS1	OVOL1 antisense RNA 1	101927828	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000256263	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000256817	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000256897	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000257113	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000257346	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA

ENSG00000257987	TEX49	testis expressed 49	255411	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000258759	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000259540	LOC102723335	uncharacterized LOC102723335	102723335	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000260431	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000260989	LOC105371046	uncharacterized LOC105371046	105371046	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000261813	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000263406	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000263459	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000264603	MIR3159	microRNA 3159	100423016	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000265174	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000265289	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000266936	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000267044	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000267638	LOC105371789	uncharacterized LOC105371789	105371789	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000267952	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000268140	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000268275	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000269048	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000269119	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000270356	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000271625	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000271876	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000272154	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000272814	NA	NA	NA	0.301924281	-1.829067758	4.05411662	-0.451163084	0.651872014	NA	NA
ENSG00000243911	NA	NA	NA	16.1095423	-1.82726777	1.123767259	-1.626019761	0.103945452	0.999371363	Not Sig
ENSG00000063015	SEZ6	seizure related 6 homolog	124925	1.379506701	-1.826754334	2.731997993	-0.668651419	0.503717864	NA	NA
ENSG00000196774	NA	NA	NA	5.785988539	-1.826052063	1.092178533	-1.671935501	0.094537041	NA	NA
ENSG00000120659	TNFSF11	TNF superfamily member 11	8600	35.35109546	-1.825500978	1.265735132	-1.442245642	0.149233089	0.999371363	Not Sig
ENSG00000260862	LOC101928446	uncharacterized LOC101928446	101928446	4.583477457	-1.825445183	1.573404062	-1.160188426	0.245972098	NA	NA
ENSG00000254965	NA	NA	NA	4.418769523	-1.822504389	1.623092363	-1.122859321	0.261497246	NA	NA
ENSG00000228253	ATP8	ATP synthase FO subunit 8	4509	6584.982694	-1.820091684	1.031095028	-1.765202658	0.077529712	0.999371363	Not Sig
ENSG00000199674	NA	NA	NA	4.72265608	-1.820035665	1.502837663	-1.211066045	0.225870094	NA	NA
ENSG00000178715	NA	NA	NA	2.17583054	-1.819571699	1.725414067	-1.054571035	0.291621557	NA	NA
ENSG00000215431	NA	NA	NA	1.482650918	-1.819197507	2.155219107	-0.844089355	0.398619475	NA	NA
ENSG00000244061	NA	NA	NA	1.482650918	-1.819197507	2.155219107	-0.844089355	0.398619475	NA	NA

ENSG00000212529	NA	NA	NA	5.825860145	-1.817794009	1.379373664	-1.31784016	0.187557161	NA	NA
ENSG00000162878	PKDCC	protein kinase domain containing, cytoplasmic	91461	543.428446	-1.816871106	0.782806785	-2.320970054	0.02028846	0.719697403	Not Sig
ENSG00000243899	NA	NA	NA	20.1081566	-1.814945233	1.076120186	-1.686563691	0.091687279	0.999371363	Not Sig
ENSG00000227658	NA	NA	NA	6.611312334	-1.814738577	1.471387378	-1.233352008	0.217444462	0.999371363	Not Sig
ENSG00000168676	KCTD19	potassium channel tetramerization domain containing 19	146212	12.04459179	-1.814533932	1.496994305	-1.212118126	0.225467166	0.999371363	Not Sig
ENSG00000135253	KCP	kielin/chordin-like protein	375616	110.7087617	-1.814124659	0.907708529	-1.998576197	0.045654228	0.999371363	Not Sig
ENSG00000251463	NA	NA	NA	4.656819851	-1.813404939	1.581990568	-1.146280499	0.251679109	NA	NA
ENSG00000213519	NA	NA	NA	2.12590777	-1.813082391	1.691437149	-1.071918275	0.283756741	NA	NA
ENSG00000214067	NA	NA	NA	13.51600339	-1.811948202	0.947808703	-1.911723533	0.055911664	0.999371363	Not Sig
ENSG00000211767	NA	NA	NA	3.503997068	-1.810776488	1.654911582	-1.094183223	0.273874628	NA	NA
ENSG00000269937	NA	NA	NA	14.43016929	-1.8100909	1.660445934	-1.090123359	0.275658808	0.999371363	Not Sig
ENSG00000264395	MIR3193	microRNA 3193	100422904	7.38865344	-1.809673121	1.4253149	-1.269665476	0.204203815	0.999371363	Not Sig
ENSG00000259771	NA	NA	NA	16.14328553	-1.809228579	1.043840669	-1.733242086	0.08305265	0.999371363	Not Sig
ENSG00000142102	PGGHG	protein-glucosylgalactosylhydroxyllysine glucosidase	80162	2117.611895	-1.80887319	0.695704878	-2.600058226	0.009320794	0.475595316	Not Sig
ENSG00000272660	NA	NA	NA	2.159523749	-1.806646097	1.693507039	-1.066807551	0.286058748	NA	NA
ENSG00000146469	VIP	vasoactive intestinal peptide	7432	3.56950757	-1.806432559	1.480196015	-1.220400907	0.222312934	NA	NA
ENSG00000254929	NA	NA	NA	3.774500748	-1.804676993	1.725329932	-1.0459895	0.29556588	NA	NA
ENSG00000227906	SNAP25-AS1	SNAP25 antisense RNA 1	100131208	1.337853876	-1.80420958	2.483346968	-0.726523359	0.467517993	NA	NA
ENSG00000258608	NA	NA	NA	1.315109549	-1.804196459	2.428402843	-0.742955998	0.457508321	NA	NA
ENSG00000229806	NA	NA	NA	1.442182397	-1.803527045	2.441376755	-0.738733602	0.460068777	NA	NA
ENSG00000225378	NA	NA	NA	5.467616702	-1.802192326	1.569753933	-1.14807314	0.250938372	NA	NA
ENSG00000265500	NA	NA	NA	6.389597357	-1.801698586	1.07898248	-1.669812642	0.094956438	NA	NA
ENSG00000250588	NA	NA	NA	268.0231266	-1.801549615	0.724060869	-2.488119012	0.012842075	0.561528648	Not Sig
ENSG00000181626	ANKRD62	ankyrin repeat domain 62	342850	20.86267942	-1.801546234	1.16896217	-1.541150159	0.123280245	0.999371363	Not Sig
ENSG00000259785	NA	NA	NA	8.249900807	-1.797660722	1.371124722	-1.311084756	0.18982913	0.999371363	Not Sig
ENSG00000248773	NA	NA	NA	21.93866814	-1.796224806	1.099180123	-1.634149644	0.102227433	0.999371363	Not Sig
ENSG00000161132	NA	NA	NA	2.647113277	-1.795990717	2.031092065	-0.884248798	0.376561921	NA	NA
ENSG00000183098	GPC6	glypican 6	10082	269.1993321	-1.787023748	0.78092117	-2.288353571	0.022116939	0.758302843	Not Sig
ENSG00000183929	NA	NA	NA	15.3862513	-1.78701128	1.204953886	-1.483053668	0.138060152	0.999371363	Not Sig
ENSG00000220600	NA	NA	NA	1.331001333	-1.782938869	2.128688079	-0.837576386	0.40226866	NA	NA
ENSG00000272963	NA	NA	NA	14.5755087	-1.781453461	1.046801013	-1.701807162	0.088791523	0.999371363	Not Sig
ENSG00000254370	NA	NA	NA	4.269943845	-1.781407015	1.888823692	-0.943130384	0.345614216	NA	NA
ENSG00000248347	NA	NA	NA	14.93115722	-1.779737721	1.405972773	-1.265840815	0.205570079	0.999371363	Not Sig
ENSG00000262712	NA	NA	NA	15.39065727	-1.778407674	1.067362139	-1.666170842	0.095679392	0.999371363	Not Sig
ENSG00000236187	NA	NA	NA	14.01458229	-1.778331229	1.020592001	-1.742450683	0.081429614	0.999371363	Not Sig

ENSG00000162494	LRRC38	leucine rich repeat containing 38	126755	1.321547085	-1.776368475	2.182012264	-0.814096467	0.41558969	NA	NA
ENSG00000187123	LYPD6	LY6/PLAUR domain containing 6	130574	42.29805702	-1.773533321	1.046399173	-1.694891746	0.090095959	0.999371363	Not Sig
ENSG00000237324	NA	NA	NA	1.581361021	-1.772958597	2.734735764	-0.648310751	0.516783982	NA	NA
ENSG00000266228	MIR3611	microRNA 3611	100500890	4.218605042	-1.771729905	1.255268194	-1.411435352	0.158116285	NA	NA
ENSG00000130950	NUTM2F	NUT family member 2F	54754	1.337438869	-1.76957191	2.366629835	-0.747718077	0.454630225	NA	NA
ENSG00000241811	NA	NA	NA	0.728809918	-1.766940071	3.327674151	-0.530983501	0.595430212	NA	NA
ENSG00000257999	NA	NA	NA	0.728809918	-1.766940071	3.327674151	-0.530983501	0.595430212	NA	NA
ENSG00000204434	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000216915	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000224882	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000232240	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000238731	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000259212	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000259992	NA	NA	NA	0.735247454	-1.766814915	3.318870475	-0.532354284	0.594480642	NA	NA
ENSG00000252157	NA	NA	NA	3.022946502	-1.766213182	1.783458239	-0.990330552	0.322012578	NA	NA
ENSG00000229423	NA	NA	NA	0.770147792	-1.766145139	3.273050908	-0.539602099	0.589471469	NA	NA
ENSG00000231255	NA	NA	NA	0.770147792	-1.766145139	3.273050908	-0.539602099	0.589471469	NA	NA
ENSG00000235991	NA	NA	NA	0.770147792	-1.766145139	3.273050908	-0.539602099	0.589471469	NA	NA
ENSG00000257074	NA	NA	NA	0.770147792	-1.766145139	3.273050908	-0.539602099	0.589471469	NA	NA
ENSG00000263663	NA	NA	NA	0.770147792	-1.766145139	3.273050908	-0.539602099	0.589471469	NA	NA
ENSG00000200257	NA	NA	NA	5.428556056	-1.763733862	1.213777061	-1.453095399	0.146197268	NA	NA
ENSG00000260851	NA	NA	NA	1.282495966	-1.762162632	2.380331587	-0.740301327	0.459117176	NA	NA
ENSG00000137731	FXYD2	FXYD domain containing ion transport regulator 2	486	32.02195594	-1.761887814	0.969067196	-1.818127598	0.069044633	0.999371363	Not Sig
ENSG00000249319	NA	NA	NA	1.32798462	-1.761340163	2.424548866	-0.726460987	0.467556215	NA	NA
ENSG00000231699	NA	NA	NA	9.260396047	-1.757311941	1.120703582	-1.568043476	0.116870986	0.999371363	Not Sig
ENSG00000231098	NA	NA	NA	1.422858893	-1.757228068	2.380073003	-0.738308475	0.460327018	NA	NA
ENSG00000175894	TSPEAR	thrombospondin type laminin G domain and EAR repeats	54084	20.33279609	-1.756765176	1.12114668	-1.566936073	0.117129635	0.999371363	Not Sig
ENSG00000131941	RHPN2	rhopilin Rho GTPase binding protein 2	85415	582.3144506	-1.756315832	0.699601109	-2.510453185	0.012057631	0.550076239	Not Sig
ENSG00000222578	NA	NA	NA	2.210730879	-1.756000829	1.872223304	-0.937922275	0.348284111	NA	NA
ENSG00000214559	NA	NA	NA	1.424276295	-1.755827855	2.112124396	-0.831308922	0.405799136	NA	NA
ENSG00000267637	NA	NA	NA	7.478024238	-1.75470505	1.568893522	-1.11843476	0.263381355	0.999371363	Not Sig
ENSG00000132821	VSTM2L	V-set and transmembrane domain containing 2 like	128434	942.8514006	-1.752452904	0.757578778	-2.31322861	0.020710073	0.730537685	Not Sig
ENSG00000164749	HNF4G	hepatocyte nuclear factor 4 gamma	3174	212.2943947	-1.751303051	1.01201072	-1.73051828	0.083537718	0.999371363	Not Sig
ENSG00000235920	NA	NA	NA	30.85828766	-1.750389614	0.883833184	-1.980452471	0.047652709	0.999371363	Not Sig
ENSG00000263575	MIR4665	microRNA 4665	100616288	2.585903849	-1.749558022	2.072027	-0.844370282	0.398462523	NA	NA

ENSG00000128918	ALDH1A2	aldehyde dehydrogenase 1 family member A2	8854	136.3858985	-1.748510579	0.846259326	-2.066164029	0.038812994	0.999371363	Not Sig
ENSG00000165449	SLC16A9	solute carrier family 16 member 9	220963	152.0285315	-1.74728308	0.914594062	-1.91044656	0.056075741	0.999371363	Not Sig
ENSG00000126259	KIRREL2	kirre like nephrin family adhesion molecule 2	84063	1.414822047	-1.745733329	2.404043756	-0.726165372	0.467737397	NA	NA
ENSG00000212493	SNORD19	small nucleolar RNA, C/D box 19	692089	9.417327425	-1.744963839	1.116031034	-1.563544189	0.11792465	0.999371363	Not Sig
ENSG00000258827	NA	NA	NA	4.654075575	-1.741261443	1.647268686	-1.057059761	0.290484314	NA	NA
ENSG00000253421	NA	NA	NA	1.311677829	-1.740357361	2.372761753	-0.733473286	0.463269815	NA	NA
ENSG00000241535	NA	NA	NA	4.891145184	-1.738748274	1.817798003	-0.956513469	0.338812883	NA	NA
ENSG00000225630	NA	NA	NA	82.80269118	-1.736623752	0.963513952	-1.802385682	0.071484746	0.999371363	Not Sig
ENSG00000087085	ACHE	acetylcholinesterase (Cartwright blood group)	43	258.1379674	-1.736435138	0.809666501	-2.144630085	0.031982435	0.919531513	Not Sig
ENSG00000199065	MIR101-2	microRNA 101-2	406894	1.288933502	-1.736163074	2.135129979	-0.813141631	0.41613686	NA	NA
ENSG00000135960	EDAR	ectodysplasin A receptor	10913	70.01124259	-1.735185905	1.119740503	-1.54963217	0.121229827	0.999371363	Not Sig
ENSG00000125968	ID1	inhibitor of DNA binding 1, HLH protein	3397	3745.413093	-1.73436602	0.437866996	-3.960942563	7.47E-05	0.018079308	FDR<0.05
ENSG00000123684	LPGAT1	lysophosphatidylglycerol acyltransferase 1	9926	3836.338414	-1.732841793	0.788541322	-2.1975282	0.027982745	0.870090628	Not Sig
ENSG00000252280	NA	NA	NA	5.07055923	-1.731740419	1.608685911	-1.076493806	0.281706469	NA	NA
ENSG00000236772	NA	NA	NA	3.985421499	-1.731739263	1.614813215	-1.072408404	0.283536635	NA	NA
ENSG00000146453	PNLDC1	PARN like, ribonuclease domain containing 1	154197	4.69933113	-1.731585775	1.621869495	-1.067648032	0.285679308	NA	NA
ENSG00000197520	FAM177B	family with sequence similarity 177 member B	400823	36.02553442	-1.731427948	1.020770156	-1.696197657	0.089848454	0.999371363	Not Sig
ENSG00000198840	ND3	NADH dehydrogenase, subunit 3 (complex I)	4537	7626.919701	-1.730868669	0.929739245	-1.861671085	0.062649467	0.999371363	Not Sig
ENSG00000263672	NA	NA	NA	2.791777277	-1.729794116	1.992380134	-0.86820486	0.385282194	NA	NA
ENSG00000244153	NA	NA	NA	0.712503126	-1.729645853	3.345476932	-0.517010246	0.605149006	NA	NA
ENSG00000254338	MAFA-AS1	MAFA antisense RNA 1	104326051	0.712503126	-1.729645853	3.345476932	-0.517010246	0.605149006	NA	NA
ENSG00000263986	NA	NA	NA	0.712503126	-1.729645853	3.345476932	-0.517010246	0.605149006	NA	NA
ENSG00000215007	NA	NA	NA	0.718940662	-1.729539014	3.336372324	-0.51838909	0.604186825	NA	NA
ENSG00000226361	NA	NA	NA	0.718940662	-1.729539014	3.336372324	-0.51838909	0.604186825	NA	NA
ENSG00000253649	NA	NA	NA	0.718940662	-1.729539014	3.336372324	-0.51838909	0.604186825	NA	NA
ENSG00000267315	NA	NA	NA	0.718940662	-1.729539014	3.336372324	-0.51838909	0.604186825	NA	NA
ENSG00000267344	NA	NA	NA	0.718940662	-1.729539014	3.336372324	-0.51838909	0.604186825	NA	NA
ENSG00000221743	NA	NA	NA	0.753841	-1.728967645	3.289030206	-0.525677034	0.599112623	NA	NA
ENSG00000237417	NA	NA	NA	0.753841	-1.728967645	3.289030206	-0.525677034	0.599112623	NA	NA
ENSG00000243790	NA	NA	NA	0.753841	-1.728967645	3.289030206	-0.525677034	0.599112623	NA	NA
ENSG00000254270	NA	NA	NA	0.753841	-1.728967645	3.289030206	-0.525677034	0.599112623	NA	NA
ENSG00000259569	NA	NA	NA	0.753841	-1.728967645	3.289030206	-0.525677034	0.599112623	NA	NA
ENSG00000218713	NA	NA	NA	1.249882383	-1.728896686	2.85813783	-0.604903188	0.545243325	NA	NA
ENSG00000120693	SMAD9	SMAD family member 9	4093	409.3556855	-1.728676207	0.770887831	-2.24244843	0.024932405	0.816524647	Not Sig
ENSG00000112299	VNN1	vanin 1	8876	96.49138687	-1.727093286	0.934347035	-1.848449476	0.064537347	0.999371363	Not Sig

ENSG00000225761	NA	NA	NA	16.81821278	-1.726585606	1.147140128	-1.505121792	0.132292767	0.999371363	Not Sig
ENSG00000127324	TSPAN8	tetraspanin 8	7103	848.8451471	-1.725356759	0.899285176	-1.9185869	0.055036635	0.999371363	Not Sig
ENSG00000230634	NA	NA	NA	3.843459262	-1.725160813	1.536733835	-1.122615234	0.261600943	NA	NA
ENSG00000259520	LOC101928414	uncharacterized LOC101928414	101928414	1.421259582	-1.724895608	2.402593546	-0.717930676	0.472800032	NA	NA
ENSG00000239300	NA	NA	NA	4.791603697	-1.724312456	1.374269775	-1.254711766	0.209583413	NA	NA
ENSG00000204352	C9orf129	chromosome 9 open reading frame 129	445577	1.957354478	-1.72366646	1.92797754	-0.894028288	0.371306756	NA	NA
ENSG00000250568	NA	NA	NA	22.13027641	-1.720487512	0.927149847	-1.85567362	0.063500093	0.999371363	Not Sig
ENSG00000261959	NA	NA	NA	1.295371037	-1.720047459	2.376514182	-0.72376907	0.469207521	NA	NA
ENSG00000138115	CYP2C8	cytochrome P450 family 2 subfamily C member 8	1558	9.608482474	-1.719959074	0.973818628	-1.766200629	0.077362196	0.999371363	Not Sig
ENSG00000246792	NA	NA	NA	11.59244567	-1.718314072	1.13423985	-1.514947718	0.129785645	0.999371363	Not Sig
ENSG00000225792	LOC105375304	uncharacterized LOC105375304	105375304	24.46920058	-1.716506825	1.314746304	-1.305580262	0.191695336	0.999371363	Not Sig
ENSG00000162971	TYW5	tRNA-yW synthesizing protein 5	129450	661.6131807	-1.715844543	0.816352618	-2.101842397	0.035567084	0.97368758	Not Sig
ENSG00000241233	KRTAP5-8	keratin associated protein 5-8	57830	2.762999524	-1.715077474	1.559616524	-1.099678958	0.271472026	NA	NA
ENSG00000268683	NA	NA	NA	13.91561478	-1.714920734	1.011382203	-1.695620833	0.08995771	0.999371363	Not Sig
ENSG00000104419	NDRG1	N-myc downstream regulated 1	10397	10969.85897	-1.714875372	0.600957262	-2.853572924	0.00432306	0.29912253	Not Sig
ENSG00000269832	NA	NA	NA	1.414407039	-1.714704148	2.388404908	-0.717928582	0.472801324	NA	NA
ENSG00000207582	MIR30B	microRNA 30b	407030	4.208420836	-1.713872213	1.321416763	-1.296995967	0.194632574	NA	NA
ENSG00000169432	SCN9A	sodium voltage-gated channel alpha subunit 9	6335	827.6353127	-1.712298894	0.690599526	-2.47943827	0.013158951	0.569452454	Not Sig
ENSG00000221230	MIR548L	microRNA 548L	100302275	8.271043605	-1.711485674	1.105343299	-1.548374767	0.121532093	0.999371363	Not Sig
ENSG00000257913	DDN-AS1	DDN and PRKAG1 antisense RNA 1	105369758	6.59682263	-1.711198186	1.238904836	-1.381218424	0.167211811	0.999371363	Not Sig
ENSG00000252079	NA	NA	NA	4.44809215	-1.709136522	1.531627708	-1.115895536	0.264466853	NA	NA
ENSG00000222629	NA	NA	NA	7.74582036	-1.707815017	1.483411855	-1.151275023	0.249619109	0.999371363	Not Sig
ENSG00000234005	NA	NA	NA	1.899394862	-1.707627577	2.182013099	-0.782592725	0.433866315	NA	NA
ENSG00000236491	NA	NA	NA	1.540295584	-1.707111597	2.702456617	-0.631688807	0.527590243	NA	NA
ENSG00000230479	NA	NA	NA	10.65761299	-1.706823025	0.961648458	-1.774892904	0.075915572	0.999371363	Not Sig
ENSG00000237478	NA	NA	NA	8.516228442	-1.702680142	1.50323379	-1.132678199	0.257349416	0.999371363	Not Sig
ENSG00000267090	NA	NA	NA	4.47483254	-1.702028532	1.444891694	-1.177962708	0.238811474	NA	NA
ENSG00000200105	NA	NA	NA	19.71208079	-1.701542271	1.693842291	-1.004545866	0.315115575	0.999371363	Not Sig
ENSG00000115705	TPO	thyroid peroxidase	7173	1.279064246	-1.699931413	2.436375845	-0.697729546	0.485346347	NA	NA
ENSG00000261582	NA	NA	NA	29.68349066	-1.69748508	0.71530661	-2.373087367	0.017640091	0.673156557	Not Sig
ENSG00000203563	NA	NA	NA	3.906720976	-1.69742677	1.643496224	-1.032814524	0.301690706	NA	NA
ENSG00000223286	NA	NA	NA	5.950730973	-1.696484724	1.116408251	-1.519591711	0.128613623	NA	NA
ENSG00000225192	NA	NA	NA	43.06688791	-1.6921553	1.112466379	-1.521084441	0.128238648	0.999371363	Not Sig
ENSG00000200737	NA	NA	NA	4.262644679	-1.69191755	1.451685847	-1.165484635	0.243822876	NA	NA
ENSG00000236383	LINC00854	long intergenic non-protein coding RNA 854	100874261	7.908074553	-1.691567286	1.176350701	-1.437978729	0.15044009	0.999371363	Not Sig

ENSG00000272033	NA	NA	NA	69.67706364	-1.689827639	0.915557857	-1.845680888	0.064938554	0.999371363	Not Sig
ENSG00000126542	NA	NA	NA	17.10618506	-1.688381997	0.967546424	-1.745013939	0.080982443	0.999371363	Not Sig
ENSG00000135333	EPHA7	EPH receptor A7	2045	52.0934374	-1.687902634	1.361669708	-1.239583009	0.215129669	0.999371363	Not Sig
ENSG00000212458	NA	NA	NA	24.89642182	-1.687752839	1.065246023	-1.584378447	0.113107624	0.999371363	Not Sig
ENSG00000207967	MIR620	microRNA 620	693205	10.75958505	-1.687532622	1.68042566	-1.004229263	0.31526812	0.999371363	Not Sig
ENSG00000219430	NA	NA	NA	2.262119917	-1.687087259	2.428375541	-0.694739026	0.487218866	NA	NA
ENSG00000260015	NA	NA	NA	7.847392457	-1.684259438	1.192089664	-1.41286305	0.157695995	0.999371363	Not Sig
ENSG00000248302	NA	NA	NA	2.0248684	-1.683569609	1.960640231	-0.858683598	0.390515102	NA	NA
ENSG00000240032	LNCSTR	lncRNA sorafenib resistance in renal cell carcinoma associated	109729161	40.8856127	-1.683450338	1.203648303	-1.398623115	0.161926031	0.999371363	Not Sig
ENSG00000258774	NA	NA	NA	14.06419025	-1.682563017	1.173485417	-1.433816725	0.151624571	0.999371363	Not Sig
ENSG00000201607	NA	NA	NA	2.627474823	-1.682457853	1.807022006	-0.93106661	0.351819109	NA	NA
ENSG00000237082	NA	NA	NA	8.906694911	-1.682244077	1.058244821	-1.589654911	0.111912612	0.999371363	Not Sig
ENSG00000264548	NA	NA	NA	5.120791155	-1.676310232	1.159665782	-1.445511508	0.148314263	NA	NA
ENSG00000249119	NA	NA	NA	28.46275506	-1.675956241	0.897098625	-1.868196197	0.061734729	0.999371363	Not Sig
ENSG00000233028	NA	NA	NA	3.64618798	-1.675513789	1.917500059	-0.873801167	0.382226545	NA	NA
ENSG00000211695	NA	NA	NA	9.578801427	-1.674906932	1.195878362	-1.4005663	0.161343804	0.999371363	Not Sig
ENSG00000181240	SLC25A41	solute carrier family 25 member 41	284427	1.207814551	-1.673213883	2.876419093	-0.581700312	0.560768562	NA	NA
ENSG00000233737	NA	NA	NA	0.686742086	-1.673085276	3.375747773	-0.49561916	0.620163132	NA	NA
ENSG00000250983	NA	NA	NA	0.686742086	-1.673085276	3.375747773	-0.49561916	0.620163132	NA	NA
ENSG00000254898	NA	NA	NA	0.686742086	-1.673085276	3.375747773	-0.49561916	0.620163132	NA	NA
ENSG00000216195	MIR941-4	microRNA 941-4	100126330	0.693179622	-1.673035442	3.366133118	-0.497019988	0.619174956	NA	NA
ENSG00000237137	NA	NA	NA	0.693179622	-1.673035442	3.366133118	-0.497019988	0.619174956	NA	NA
ENSG00000201180	NA	NA	NA	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000201620	NA	NA	NA	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000221145	NA	NA	NA	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000225480	NA	NA	NA	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000236496	NA	NA	NA	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000249710	LOC101929353	uncharacterized LOC101929353	101929353	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000272510	NA	NA	NA	0.72807996	-1.672768845	3.31621595	-0.504420963	0.61396559	NA	NA
ENSG00000099194	SCD	stearoyl-CoA desaturase	6319	4345.404989	-1.671193915	0.579990415	-2.881416439	0.003958922	0.281664993	Not Sig
ENSG00000107831	FGF8	fibroblast growth factor 8	2253	1.882673063	-1.669645721	2.17509209	-0.767620704	0.442712558	NA	NA
ENSG00000235605	NA	NA	NA	1.882673063	-1.669645721	2.17509209	-0.767620704	0.442712558	NA	NA
ENSG00000266958	NA	NA	NA	1.230558878	-1.669501799	2.449881016	-0.681462401	0.49557895	NA	NA
ENSG00000203473	NA	NA	NA	3.292464079	-1.668950364	1.967498795	-0.848259917	0.396293235	NA	NA
ENSG00000196302	NA	NA	NA	1.507682001	-1.668636429	2.711552304	-0.615380506	0.538303462	NA	NA

ENSG00000212907	ND4L	NADH dehydrogenase, subunit 4L (complex I)	4539	13104.49747	-1.668495279	0.975219249	-1.710892479	0.087100963	0.999371363	Not Sig
ENSG00000273432	NA	NA	NA	8.749711612	-1.668238809	1.233500761	-1.352442464	0.176233813	0.999371363	Not Sig
ENSG00000201178	NA	NA	NA	5.505896721	-1.667837349	1.521836023	-1.09593762	0.273106074	NA	NA
ENSG00000260173	NA	NA	NA	3.113231941	-1.666836365	1.577971547	-1.056315856	0.290823934	NA	NA
ENSG00000200070	NA	NA	NA	16.33786111	-1.666160323	1.075414976	-1.549318505	0.121305174	0.999371363	Not Sig
ENSG00000170075	GPR37L1	G protein-coupled receptor 37 like 1	9283	10.49759118	-1.664796495	1.419442235	-1.172852585	0.240854926	0.999371363	Not Sig
ENSG00000108187	PBLD	phenazine biosynthesis like protein domain containing	64081	383.2029556	-1.664628591	0.864411186	-1.925736984	0.054137223	0.999371363	Not Sig
ENSG00000182732	RGS6	regulator of G protein signaling 6	9628	50.15095246	-1.664284252	0.936451945	-1.777223338	0.075531501	0.999371363	Not Sig
ENSG00000220323	NA	NA	NA	26.53446445	-1.663550069	0.796258135	-2.089209512	0.036688868	0.995739028	Not Sig
ENSG00000224550	NA	NA	NA	1.254720608	-1.662196656	2.472715653	-0.672215042	0.501446806	NA	NA
ENSG00000233224	NA	NA	NA	6.9752029	-1.661070417	1.538996469	-1.079320486	0.280444884	0.999371363	Not Sig
ENSG00000229846	NA	NA	NA	1.498227752	-1.659312081	2.699550669	-0.614662321	0.538777748	NA	NA
ENSG00000254206	NPIP11	nuclear pore complex interacting protein family member B11	728888	65.88960762	-1.65911563	0.752355931	-2.205227024	0.027438168	0.856652389	Not Sig
ENSG00000222810	NA	NA	NA	3.356557178	-1.657682003	1.720988837	-0.963214849	0.335439715	NA	NA
ENSG00000078399	HOXA9	homeobox A9	3205	7.853320031	-1.657593369	1.353066542	-1.225064191	0.220551036	0.999371363	Not Sig
ENSG00000253030	MIR2116	microRNA 2116	100313886	11.37076105	-1.657320676	1.118882164	-1.481228971	0.138545569	0.999371363	Not Sig
ENSG00000186567	CEACAM19	carcinoembryonic antigen related cell adhesion molecule 19	56971	125.5685903	-1.65667974	0.556730657	-2.975729321	0.002922927	0.237473696	Not Sig
ENSG00000132746	ALDH3B2	aldehyde dehydrogenase 3 family member B2	222	99.92921768	-1.656503977	1.023443127	-1.618559872	0.105541995	0.999371363	Not Sig
ENSG00000233885	NA	NA	NA	4.339197842	-1.656231161	1.58649011	-1.043959335	0.296504204	NA	NA
ENSG00000101132	PFDN4	prefoldin subunit 4	5203	360.9436801	-1.656156529	0.764231403	-2.167087773	0.030228162	0.902045603	Not Sig
ENSG00000251898	SCARNA11	small Cajal body-specific RNA 11	677780	1.215669489	-1.653292426	2.839091546	-0.582331496	0.560343415	NA	NA
ENSG00000250948	NA	NA	NA	1.481920961	-1.652985974	2.336611695	-0.707428615	0.47930016	NA	NA
ENSG00000234203	NA	NA	NA	7.269584017	-1.651661412	1.230232902	-1.342559941	0.179414509	0.999371363	Not Sig
ENSG00000207404	NA	NA	NA	2.878421898	-1.650303258	2.055244426	-0.802971772	0.421991051	NA	NA
ENSG00000109072	VTN	vitronectin	7448	14.84367554	-1.647949839	1.410662221	-1.168210089	0.242722032	0.999371363	Not Sig
ENSG00000228317	NA	NA	NA	1.236996414	-1.647659751	2.801472508	-0.58814061	0.556437917	NA	NA
ENSG00000251721	NA	NA	NA	14.34468738	-1.6448638	1.273638158	-1.291468687	0.196541206	0.999371363	Not Sig
ENSG00000156564	LRFN2	leucine rich repeat and fibronectin type III domain containing 2	57497	7.555832921	-1.644817777	1.136998171	-1.446631859	0.148000058	0.999371363	Not Sig
ENSG00000184156	KCNQ3	potassium voltage-gated channel subfamily Q member 3	3786	1481.016669	-1.643005768	1.006757192	-1.631978178	0.102684083	0.999371363	Not Sig
ENSG00000088992	TESC	tescalcin	54997	2297.380295	-1.642641192	1.001036583	-1.640940221	0.100809825	0.999371363	Not Sig
ENSG00000270209	NA	NA	NA	1.206215241	-1.641935346	2.84344551	-0.577445687	0.563638419	NA	NA
ENSG00000120075	HOXB5	homeobox B5	3215	125.251755	-1.641112785	0.642855712	-2.552847794	0.010684618	0.509664355	Not Sig
ENSG00000116678	LEPR	leptin receptor	3953	1493.487991	-1.639250409	0.817295534	-2.005700925	0.044888166	0.999371363	Not Sig
ENSG00000165152	TMEM246	transmembrane protein 246	84302	262.8103065	-1.639000501	0.492470784	-3.328117229	0.000874351	0.11121917	Not Sig
ENSG00000218208	NA	NA	NA	1.834167696	-1.638076714	1.90836471	-0.858366698	0.39069001	NA	NA

ENSG00000105388	CEACAM5	carcinoembryonic antigen related cell adhesion molecule 5	1048	6220.153312	-1.632498528	1.452341083	-1.124046237	0.260993412	0.999371363	Not Sig
ENSG00000257769	NA	NA	NA	0.670435295	-1.632250419	2.92533721	-0.557970005	0.576864866	NA	NA
ENSG00000263858	MIR4769	microRNA 4769	100616147	0.670435295	-1.632250419	2.92533721	-0.557970005	0.576864866	NA	NA
ENSG00000271266	NA	NA	NA	0.670435295	-1.632250419	2.92533721	-0.557970005	0.576864866	NA	NA
ENSG00000225580	NA	NA	NA	0.67687283	-1.632223148	2.917876974	-0.55938724	0.575897468	NA	NA
ENSG00000251689	NA	NA	NA	0.67687283	-1.632223148	2.917876974	-0.55938724	0.575897468	NA	NA
ENSG00000272822	NA	NA	NA	0.67687283	-1.632223148	2.917876974	-0.55938724	0.575897468	NA	NA
ENSG00000199630	NA	NA	NA	9.70567937	-1.632168528	1.321128277	-1.235435314	0.216668537	0.999371363	Not Sig
ENSG00000149506	ZP1	zona pellucida glycoprotein 1	22917	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000207922	MIR566	microRNA 566	693151	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000214121	NA	NA	NA	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000221436	MIR548F3	microRNA 548f-3	100302159	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000227887	NA	NA	NA	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000261628	NA	NA	NA	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000268549	NA	NA	NA	0.711773169	-1.632077905	2.879184018	-0.566854322	0.57081316	NA	NA
ENSG00000116191	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	55103	1085.077235	-1.630783205	0.964484302	-1.690834367	0.090868441	0.999371363	Not Sig
ENSG00000262001	NA	NA	NA	131.1906963	-1.630520926	0.846104354	-1.927091994	0.053968166	0.999371363	Not Sig
ENSG00000237870	LOC102724434	uncharacterized LOC102724434	102724434	14.6397685	-1.630129168	1.144089785	-1.424826259	0.15420743	0.999371363	Not Sig
ENSG00000273407	NA	NA	NA	2.460520841	-1.629935669	1.771722398	-0.919972379	0.357587194	NA	NA
ENSG00000262248	NA	NA	NA	32.52483528	-1.629815496	1.039740192	-1.567521876	0.116992757	0.999371363	Not Sig
ENSG00000260511	NA	NA	NA	4.52572472	-1.627541814	1.24575494	-1.306470287	0.191392677	NA	NA
ENSG00000248159	NA	NA	NA	1.85389531	-1.625374515	2.187631192	-0.74298379	0.457491494	NA	NA
ENSG00000270344	NA	NA	NA	70.09324296	-1.62523728	0.548723903	-2.961848883	0.003057978	0.243728611	Not Sig
ENSG00000241431	NA	NA	NA	1.330271376	-1.625224707	2.124038134	-0.76515797	0.444177484	NA	NA
ENSG00000225527	NA	NA	NA	13.13593186	-1.624746644	0.93320706	-1.741035526	0.081677351	0.999371363	Not Sig
ENSG00000090975	PITPNM2	phosphatidylinositol transfer protein membrane associated 2	57605	1051.743117	-1.623982872	0.662834447	-2.450058048	0.014283319	0.603590037	Not Sig
ENSG00000221067	NA	NA	NA	6.215864669	-1.622762457	1.219959679	-1.330177124	0.183459919	NA	NA
ENSG00000271858	CYB561D2	cytochrome b561 family member D2	11068	21.60931809	-1.621561216	0.872951619	-1.857561382	0.063231327	0.999371363	Not Sig
ENSG00000265600	NA	NA	NA	3.069149792	-1.620831977	1.706726382	-0.949673008	0.342278429	NA	NA
ENSG00000134548	SPX	spexin hormone	80763	15.00835228	-1.618281938	1.026362635	-1.576715561	0.114860988	0.999371363	Not Sig
ENSG00000103089	FA2H	fatty acid 2-hydroxylase	79152	394.645111	-1.618265847	0.969590957	-1.669019121	0.09511359	0.999371363	Not Sig
ENSG00000104941	RSPH6A	radial spoke head 6 homolog A	81492	1.222107025	-1.617613318	2.481374214	-0.651902203	0.514464263	NA	NA
ENSG00000072133	RPS6KA6	ribosomal protein S6 kinase A6	27330	154.5320684	-1.616887498	1.008020368	-1.604022646	0.108709061	0.999371363	Not Sig
ENSG00000239827	SUGT1P3	SOT1 homolog, MIS12 kinetochore complex assembly cohesione pseudogene 3	283507	51.68473304	-1.616827724	0.941862181	-1.716628777	0.086047021	0.999371363	Not Sig
ENSG00000240399	NA	NA	NA	17.79770986	-1.612786063	0.937665403	-1.720001674	0.085432137	0.999371363	Not Sig

ENSG00000221059	NA	NA	NA	3.222913752	-1.612113569	1.98549809	-0.811944155	0.416823676	NA	NA
ENSG00000177822	NA	NA	NA	6.386522809	-1.610939713	1.034312403	-1.557498207	0.119352246	NA	NA
ENSG00000260711	NA	NA	NA	427.6133568	-1.61058398	0.827340562	-1.946700131	0.051570696	0.999371363	Not Sig
ENSG00000262039	NA	NA	NA	2.019300217	-1.61052765	1.839278111	-0.875630303	0.381231046	NA	NA
ENSG00000264201	MIR4701	microRNA 4701	100616262	2.521597227	-1.610224666	1.809080001	-0.890079303	0.373423306	NA	NA
ENSG00000201176	NA	NA	NA	4.712274644	-1.608418484	1.413456468	-1.137932805	0.255148542	NA	NA
ENSG00000225726	NA	NA	NA	7.14789165	-1.607641577	1.24646175	-1.289764068	0.197132587	0.999371363	Not Sig
ENSG00000230446	NA	NA	NA	3.827524965	-1.607495562	1.864983926	-0.861935344	0.388723098	NA	NA
ENSG00000249504	NA	NA	NA	42.65185216	-1.607005726	0.813988495	-1.974236412	0.048354867	0.999371363	Not Sig
ENSG00000263744	MIR3664	microRNA 3664	100500844	1.956624521	-1.606435233	1.866855061	-0.860503457	0.389511579	NA	NA
ENSG00000130612	CYP2G1P	cytochrome P450 family 2 subfamily G member 1, pseudogene	22952	11.07983776	-1.605973217	0.997927536	-1.609308451	0.107548912	0.999371363	Not Sig
ENSG00000132749	TESMIN	testis expressed metallothionein like protein	9633	73.35674701	-1.605840398	0.912040865	-1.760711016	0.078287327	0.999371363	Not Sig
ENSG00000213892	CEACAM16	carcinoembryonic antigen related cell adhesion molecule 16	388551	4.658516044	-1.605737158	1.393119769	-1.152619605	0.249066553	NA	NA
ENSG00000123870	NA	NA	NA	98.10811631	-1.605683618	0.800188726	-2.006631143	0.044788953	0.999371363	Not Sig
ENSG00000227922	NA	NA	NA	1.22854456	-1.605543624	2.834081067	-0.566512949	0.571045133	NA	NA
ENSG00000213667	NA	NA	NA	1.2980728	-1.6055164	2.430894958	-0.660463092	0.508956696	NA	NA
ENSG00000232951	NA	NA	NA	2.417035607	-1.605260112	1.716979172	-0.934932781	0.349822942	NA	NA
ENSG00000229056	LOC101927482	uncharacterized LOC101927482	101927482	14.78793435	-1.604238538	1.101787531	-1.456032577	0.145383614	0.999371363	Not Sig
ENSG00000223923	LOC105373878	uncharacterized LOC105373878	105373878	12.98074056	-1.599744757	0.814315936	-1.964525912	0.049469134	0.999371363	Not Sig
ENSG00000222266	NA	NA	NA	4.560625058	-1.598545443	1.250524117	-1.278300372	0.201143537	NA	NA
ENSG00000249540	NA	NA	NA	1.219090312	-1.594143761	2.838364259	-0.561641712	0.574360155	NA	NA
ENSG00000081479	LRP2	LDL receptor related protein 2	4036	1117.682127	-1.593925659	1.194810292	-1.334040784	0.182190491	0.999371363	Not Sig
ENSG00000213735	NA	NA	NA	6.983916293	-1.593903135	1.253848367	-1.271208846	0.20365436	0.999371363	Not Sig
ENSG00000187135	VSTM2B	V-set and transmembrane domain containing 2B	342865	0.695466377	-1.593183169	3.351828491	-0.475317628	0.634560596	NA	NA
ENSG00000199751	NA	NA	NA	0.695466377	-1.593183169	3.351828491	-0.475317628	0.634560596	NA	NA
ENSG00000252821	NA	NA	NA	0.695466377	-1.593183169	3.351828491	-0.475317628	0.634560596	NA	NA
ENSG00000174407	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000200064	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000228132	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000228347	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000232406	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000233613	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000236480	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000252002	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000254867	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA

ENSG00000268906	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000268942	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000271443	NA	NA	NA	0.660566039	-1.593133914	3.405351303	-0.467832471	0.639904398	NA	NA
ENSG00000200648	NA	NA	NA	0.654128503	-1.593124735	3.4156828	-0.466414719	0.640918678	NA	NA
ENSG00000237749	NA	NA	NA	0.654128503	-1.593124735	3.4156828	-0.466414719	0.640918678	NA	NA
ENSG00000242288	NA	NA	NA	0.654128503	-1.593124735	3.4156828	-0.466414719	0.640918678	NA	NA
ENSG00000252101	NA	NA	NA	0.654128503	-1.593124735	3.4156828	-0.466414719	0.640918678	NA	NA
ENSG00000133116	KL	klotho	9365	232.3469983	-1.592465919	0.993995941	-1.602084932	0.10913683	0.999371363	Not Sig
ENSG00000133110	POSTN	periostin	10631	4940.411369	-1.591795961	0.885175342	-1.798283215	0.072132138	0.999371363	Not Sig
ENSG00000258474	NA	NA	NA	4.184631601	-1.589243912	1.72072135	-0.923591674	0.35569895	NA	NA
ENSG00000229622	NA	NA	NA	27.78472745	-1.588861927	1.034903012	-1.535276165	0.124716006	0.999371363	Not Sig
ENSG00000178297	TMPRSS9	transmembrane protease, serine 9	360200	1.775793073	-1.588150271	1.936549876	-0.820092625	0.412163306	NA	NA
ENSG00000202337	RNU6-8	RNA, U6 small nuclear 8	101954278	1.338126314	-1.588045824	2.501632616	-0.634803773	0.525556402	NA	NA
ENSG00000261635	NA	NA	NA	11.59195074	-1.587969451	0.938268654	-1.692446448	0.090560883	0.999371363	Not Sig
ENSG00000272489	NA	NA	NA	8.765549986	-1.587922409	1.247339269	-1.273047717	0.20300111	0.999371363	Not Sig
ENSG00000186204	CYP4F12	cytochrome P450 family 4 subfamily F member 12	66002	70.33672766	-1.587456199	0.778852804	-2.038197964	0.041530139	0.999371363	Not Sig
ENSG00000256069	A2MP1	alpha-2-macroglobulin pseudogene 1	3	4.3779612	-1.585984335	1.245753767	-1.273112214	0.202978226	NA	NA
ENSG00000184349	EFNA5	ephrin A5	1946	1026.245206	-1.585916786	0.828360027	-1.914525971	0.055552984	0.999371363	Not Sig
ENSG00000266761	MIR3194	microRNA 3194	100422889	1.281766008	-1.584859144	2.419371337	-0.655070646	0.51242227	NA	NA
ENSG00000244357	NA	NA	NA	9.770630924	-1.584413781	1.079205931	-1.468129238	0.142069121	0.999371363	Not Sig
ENSG00000170743	SYT9	synaptotagmin 9	143425	6.691548537	-1.583870145	1.119894814	-1.414302598	0.157273074	0.999371363	Not Sig
ENSG00000150630	VEGFC	vascular endothelial growth factor C	7424	293.0358607	-1.58362072	0.661152496	-2.395242745	0.016609365	0.657741302	Not Sig
ENSG00000148600	CDHR1	cadherin related family member 1	92211	20.91592701	-1.58324054	1.177702553	-1.344346699	0.178836301	0.999371363	Not Sig
ENSG00000165269	AQP7	aquaporin 7	364	90.38338363	-1.582531887	0.878523348	-1.801354386	0.071647041	0.999371363	Not Sig
ENSG00000263826	NA	NA	NA	3.806784058	-1.582241519	1.349477278	-1.172484743	0.241002494	NA	NA
ENSG00000266719	MIR4676	microRNA 4676	100616286	5.043183556	-1.582095336	1.348770984	-1.17299034	0.240799679	NA	NA
ENSG00000259571	BLID	BH3-like motif containing, cell death inducer	414899	14.42411594	-1.580933107	0.93877684	-1.684035054	0.092174894	0.999371363	Not Sig
ENSG00000202358	NA	NA	NA	16.66226914	-1.580760367	1.447938155	-1.091731965	0.274950931	0.999371363	Not Sig
ENSG00000237154	NA	NA	NA	1.898664905	-1.579083493	1.995117961	-0.791473749	0.428667589	NA	NA
ENSG00000201228	NA	NA	NA	4.931023143	-1.578428956	1.890057646	-0.835122124	0.403648951	NA	NA
ENSG00000238922	NA	NA	NA	10.59298824	-1.577016524	1.208840432	-1.304569637	0.192039433	0.999371363	Not Sig
ENSG00000207109	SNORD38C	small nucleolar RNA, C/D box 38C	109617024	11.93613469	-1.574831062	1.043259846	-1.509529067	0.131163633	0.999371363	Not Sig
ENSG00000213467	NA	NA	NA	1.196345985	-1.572955858	2.195815133	-0.716342571	0.473779846	NA	NA
ENSG00000207688	MIR548D2	microRNA 548d-2	693131	11.30130664	-1.571368426	1.027164514	-1.52981183	0.126063312	0.999371363	Not Sig
ENSG00000207688	MIR548AA2	microRNA 548aa-2	100500895	11.30130664	-1.571368426	1.027164514	-1.52981183	0.126063312	0.999371363	Not Sig

ENSG00000183148	ANKRD20A2	ankyrin repeat domain 20 family member A2	441430	4.74538066	-1.570488259	1.66937337	-0.940765132	0.346825233	NA	NA
ENSG00000270599	NA	NA	NA	5.704496803	-1.568569551	1.195597398	-1.311954638	0.189535441	NA	NA
ENSG00000255883	NA	NA	NA	2.454952658	-1.567762656	1.828279407	-0.857507146	0.391164667	NA	NA
ENSG00000268201	NA	NA	NA	18.03815103	-1.566712278	0.873063981	-1.794498814	0.072733588	0.999371363	Not Sig
ENSG00000154217	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1	26207	1029.256037	-1.564939055	0.478898384	-3.267789385	0.00108391	0.124839423	Not Sig
ENSG00000168874	ATOH8	atonal bHLH transcription factor 8	84913	1439.768691	-1.563126919	0.626036236	-2.496863325	0.012529724	0.556126761	Not Sig
ENSG00000115641	FHL2	four and a half LIM domains 2	2274	612.9722735	-1.562266782	0.859842422	-1.816922196	0.069229028	0.999371363	Not Sig
ENSG00000228275	NA	NA	NA	1.20278352	-1.561663548	2.447304418	-0.638115772	0.52339832	NA	NA
ENSG00000173281	PPP1R3B	protein phosphatase 1 regulatory subunit 3B	79660	2089.338169	-1.559901237	0.718482411	-2.17110567	0.029923186	0.897727832	Not Sig
ENSG00000252230	NA	NA	NA	7.792668581	-1.559009678	1.4533114	-1.072729271	0.283392603	0.999371363	Not Sig
ENSG00000232872	NA	NA	NA	7.535493069	-1.558891909	1.213626859	-1.284490284	0.198970461	0.999371363	Not Sig
ENSG00000165935	SMCO2	single-pass membrane protein with coiled-coil domains 2	341346	9.708227665	-1.558381335	1.197263259	-1.301619608	0.193046453	0.999371363	Not Sig
ENSG00000251537	NA	NA	NA	4.993848174	-1.557412285	1.404874796	-1.108577283	0.267612582	NA	NA
ENSG00000272854	NA	NA	NA	2.461390194	-1.556686074	1.828643518	-0.851279136	0.394614312	NA	NA
ENSG00000260350	NA	NA	NA	18.23419233	-1.555172156	0.932938872	-1.666960401	0.095522279	0.999371363	Not Sig
ENSG00000137561	TTPA	alpha tocopherol transfer protein	7274	17.44460122	-1.554342207	0.867764464	-1.79120288	0.073260744	0.999371363	Not Sig
ENSG00000250820	NA	NA	NA	4.279351155	-1.554204348	1.273704456	-1.220223688	0.222380089	NA	NA
ENSG00000207493	SNORA46	small nucleolar RNA, H/ACA box 46	677827	14.82222382	-1.553371872	1.001054113	-1.551736168	0.120725365	0.999371363	Not Sig
ENSG00000226781	NA	NA	NA	1.756469568	-1.55210847	1.912623198	-0.811507709	0.417074167	NA	NA
ENSG00000236535	NA	NA	NA	44.49177901	-1.550545493	0.698831852	-2.21876763	0.026502537	0.841215479	Not Sig
ENSG00000146215	CRIP3	cysteine rich protein 3	401262	6.012843297	-1.549949491	1.463161763	-1.059315197	0.289456256	NA	NA
ENSG00000232519	NA	NA	NA	1.787068833	-1.549745313	2.565511295	-0.604068794	0.545797906	NA	NA
ENSG00000199646	NA	NA	NA	3.852556048	-1.54883667	1.622469515	-0.954616809	0.339771514	NA	NA
ENSG00000221555	NA	NA	NA	6.5517621	-1.548769873	1.2117526	-1.27812383	0.201205768	NA	NA
ENSG00000204150	NA	NA	NA	11.45322162	-1.547098737	1.188837934	-1.301353777	0.193137388	0.999371363	Not Sig
ENSG00000121904	CSMD2	CUB and Sushi multiple domains 2	114784	100.5321225	-1.546102547	0.830972744	-1.860593573	0.062801593	0.999371363	Not Sig
ENSG00000261051	NA	NA	NA	43.79868038	-1.546029988	1.032659119	-1.497134881	0.134358165	0.999371363	Not Sig
ENSG00000204152	TIMM23B	translocase of inner mitochondrial membrane 23 homolog B	100652748	3.162109804	-1.543526259	1.438477291	-1.073027894	0.283258601	NA	NA
ENSG00000250673	REELD1	reeler domain containing 1	345051	1.271896752	-1.541939582	2.437389293	-0.63261933	0.526982261	NA	NA
ENSG00000265677	NA	NA	NA	1.991524859	-1.540382467	1.866728827	-0.825177415	0.409270874	NA	NA
ENSG00000268745	NA	NA	NA	2.433027448	-1.540233709	1.867081416	-0.82494191	0.409404571	NA	NA
ENSG00000213996	TM6SF2	transmembrane 6 superfamily member 2	53345	5.037200366	-1.539717722	1.247383784	-1.234357654	0.217069661	NA	NA
ENSG00000225779	NA	NA	NA	6.917959169	-1.53943477	1.095203687	-1.405615037	0.159838468	0.999371363	Not Sig
ENSG00000243446	NA	NA	NA	3.528649012	-1.53927501	1.573886759	-0.978008743	0.32807	NA	NA
ENSG00000224420	ADM5	adrenomedullin 5 (putative)	199800	26.44181179	-1.538522132	0.872083503	-1.764191304	0.077699776	0.999371363	Not Sig

ENSG00000111799	COL12A1	collagen type XII alpha 1 chain	1303	4440.794419	-1.537998291	0.74059	-2.076720305	0.037827381	0.999371363	Not Sig
ENSG00000206907	NA	NA	NA	1.163732401	-1.537900976	2.498567714	-0.615513027	0.538215969	NA	NA
ENSG00000214597	NA	NA	NA	1.163732401	-1.537900976	2.498567714	-0.615513027	0.538215969	NA	NA
ENSG00000260747	NA	NA	NA	1.163732401	-1.537900976	2.498567714	-0.615513027	0.538215969	NA	NA
ENSG00000199875	NA	NA	NA	4.208223605	-1.5375399	1.329756234	-1.156256959	0.247576068	NA	NA
ENSG00000267078	NA	NA	NA	1.740162777	-1.537309741	1.938765881	-0.792932121	0.427817372	NA	NA
ENSG00000216802	NA	NA	NA	31.28973071	-1.536842643	1.070668905	-1.435404201	0.15117195	0.999371363	Not Sig
ENSG00000252123	NA	NA	NA	2.829186573	-1.5332801	2.342863945	-0.654446923	0.512823912	NA	NA
ENSG00000212597	NA	NA	NA	5.88439471	-1.533050036	1.580322849	-0.970086611	0.332003322	NA	NA
ENSG00000234325	NA	NA	NA	8.529472832	-1.532809101	1.243270385	-1.232884752	0.217618765	0.999371363	Not Sig
ENSG00000206587	NA	NA	NA	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000214653	NA	NA	NA	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000215199	NA	NA	NA	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000226167	AP4B1-AS1	AP4B1 antisense RNA 1	100287722	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000243150	LOC100996447	uncharacterized LOC100996447	100996447	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000261620	NA	NA	NA	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000264125	NA	NA	NA	0.669705337	-1.532376733	3.383354791	-0.452916359	0.650608971	NA	NA
ENSG00000268108	NA	NA	NA	1.959326283	-1.532290957	1.904674496	-0.80448967	0.421114233	NA	NA
ENSG00000078795	PKD2L2	polycystin 2 like 2, transient receptor potential cation channel	27039	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000229324	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000251916	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000252982	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000254224	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000255703	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000258357	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000264578	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000268488	NA	NA	NA	0.634804999	-1.531873047	3.440046656	-0.445305893	0.65609871	NA	NA
ENSG00000207648	NA	NA	NA	0.628367463	-1.531778573	3.45100995	-0.443863853	0.65714102	NA	NA
ENSG00000213856	NA	NA	NA	0.628367463	-1.531778573	3.45100995	-0.443863853	0.65714102	NA	NA
ENSG00000236159	NA	NA	NA	0.628367463	-1.531778573	3.45100995	-0.443863853	0.65714102	NA	NA
ENSG00000269980	NA	NA	NA	0.628367463	-1.531778573	3.45100995	-0.443863853	0.65714102	NA	NA
ENSG00000270225	NA	NA	NA	0.628367463	-1.531778573	3.45100995	-0.443863853	0.65714102	NA	NA
ENSG00000264701	NA	NA	NA	1.273314155	-1.531336954	2.213845093	-0.691709171	0.489119986	NA	NA
ENSG00000241322	CDRT1	CMT1A duplicated region transcript 1	374286	11.78962296	-1.530771597	0.997217239	-1.535043256	0.124773203	0.999371363	Not Sig
ENSG00000213185	FAM24B	family with sequence similarity 24 member B	196792	8.439656781	-1.530741503	0.968377242	-1.580728497	0.11394013	0.999371363	Not Sig

ENSG00000273478	NA	NA	NA	46.85288392	-1.529535519	1.079212728	-1.417269718	0.156404085	0.999371363	Not Sig
ENSG00000257594	GALNT4	polypeptide N-acetylgalactosaminyltransferase 4	8693	113.384674	-1.528839952	0.628963635	-2.430728687	0.015068493	0.622155862	Not Sig
ENSG00000207780	MIR648	microRNA 648	693233	8.947257259	-1.528460645	1.133747745	-1.348148785	0.177610533	0.999371363	Not Sig
ENSG00000250686	NA	NA	NA	12.10349693	-1.528201873	1.126404411	-1.356707998	0.17487401	0.999371363	Not Sig
ENSG00000206448	PPIAP30	peptidylprolyl isomerase A pseudogene 30	100192204	8.030118298	-1.528123067	1.329699198	-1.149224629	0.250463368	0.999371363	Not Sig
ENSG00000243173	NA	NA	NA	1.817545954	-1.527502166	1.93472751	-0.789517985	0.429809322	NA	NA
ENSG00000259436	NA	NA	NA	4.406828113	-1.527135139	1.535105202	-0.994808132	0.31982959	NA	NA
ENSG00000147408	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1	55790	757.1574996	-1.526293129	0.524385718	-2.910630623	0.003607002	0.268774977	Not Sig
ENSG00000201747	NA	NA	NA	1.982070611	-1.526225374	2.179624539	-0.700223982	0.483787437	NA	NA
ENSG00000206997	NA	NA	NA	1.982070611	-1.526225374	2.179624539	-0.700223982	0.483787437	NA	NA
ENSG00000269986	NA	NA	NA	1.982070611	-1.526225374	2.179624539	-0.700223982	0.483787437	NA	NA
ENSG00000265474	NA	NA	NA	1.865636314	-1.525950517	2.188140444	-0.697373206	0.485569265	NA	NA
ENSG00000112319	EYA4	EYA transcriptional coactivator and phosphatase 4	2070	195.8436884	-1.525829894	0.973457478	-1.567433533	0.117013391	0.999371363	Not Sig
ENSG00000242229	NA	NA	NA	2.637483474	-1.525817157	2.028976327	-0.752013491	0.452042946	NA	NA
ENSG00000203489	NA	NA	NA	13.38728634	-1.524951344	0.881886572	-1.729192159	0.083774709	0.999371363	Not Sig
ENSG00000209042	SNORD12C	small nucleolar RNA, C/D box 12C	26765	16.20073047	-1.524888469	0.87125197	-1.75022671	0.080079202	0.999371363	Not Sig
ENSG00000183671	GPR1	G protein-coupled receptor 1	2825	5.19958856	-1.524732237	1.275591726	-1.195313678	0.231964498	NA	NA
ENSG00000213244	NA	NA	NA	19.84921789	-1.52195283	0.945195219	-1.610199458	0.10735432	0.999371363	Not Sig
ENSG00000227347	NA	NA	NA	1.725273387	-1.521802871	2.225911504	-0.683676268	0.494179612	NA	NA
ENSG00000012171	SEMA3B	semaphorin 3B	7869	1803.954898	-1.521257706	0.774224323	-1.964879764	0.049428155	0.999371363	Not Sig
ENSG00000120645	IQSEC3	IQ motif and Sec7 domain 3	440073	89.37441817	-1.517852561	1.082371108	-1.402340242	0.160813669	0.999371363	Not Sig
ENSG00000174093	NA	NA	NA	952.8274296	-1.516980979	0.860543139	-1.762818052	0.077931182	0.999371363	Not Sig
ENSG00000270681	NA	NA	NA	4.973622332	-1.516926647	1.610013481	-0.942182575	0.346099174	NA	NA
ENSG00000196091	MYBPC1	myosin binding protein C, slow type	4604	9.050362019	-1.516517999	1.440569267	-1.052721333	0.292468728	0.999371363	Not Sig
ENSG00000187952	NA	NA	NA	1.691657409	-1.51589429	2.206101503	-0.687137146	0.491996308	NA	NA
ENSG00000252994	NA	NA	NA	4.044126104	-1.515787363	1.612697484	-0.939908059	0.347264723	NA	NA
ENSG00000226089	NA	NA	NA	8.753916762	-1.514773635	1.389083848	-1.090483945	0.275500022	0.999371363	Not Sig
ENSG00000128482	RNF112	ring finger protein 112	7732	44.8448395	-1.513118299	0.808875383	-1.870644515	0.06139437	0.999371363	Not Sig
ENSG00000240720	LRRD1	leucine rich repeats and death domain containing 1	401387	4.592941354	-1.512523196	1.791810099	-0.844131416	0.398595974	NA	NA
ENSG00000235445	NA	NA	NA	9.723112629	-1.510827401	1.015852157	-1.487251261	0.136948462	0.999371363	Not Sig
ENSG00000216425	NA	NA	NA	3.549256877	-1.510146261	1.310623694	-1.152234824	0.249224591	NA	NA
ENSG00000143847	PPFIA4	PTPRF interacting protein alpha 4	8497	189.0201871	-1.509443021	0.813851013	-1.854692072	0.063640212	0.999371363	Not Sig
ENSG00000238462	NA	NA	NA	9.953706615	-1.507427552	1.377461966	-1.094351488	0.273800852	0.999371363	Not Sig
ENSG00000104728	ARHGEF10	Rho guanine nucleotide exchange factor 10	9639	1798.144561	-1.506347012	0.511643715	-2.944132742	0.003238611	0.253429647	Not Sig
ENSG00000249026	NA	NA	NA	1.160715688	-1.505387469	2.499542023	-0.602265317	0.546997544	NA	NA

ENSG00000258646	NA	NA	NA	6.488052394	-1.504582447	1.033104009	-1.456370737	0.145290161	NA	NA
ENSG00000182885	ADGRG3	adhesion G protein-coupled receptor G3	222487	65.36751521	-1.504154102	0.840899952	-1.788743237	0.073656176	0.999371363	Not Sig
ENSG00000263606	NA	NA	NA	168.7930762	-1.50370979	0.956567641	-1.571984798	0.115954077	0.999371363	Not Sig
ENSG00000253307	NA	NA	NA	51.28569857	-1.50343468	0.868328223	-1.731412893	0.083378149	0.999371363	Not Sig
ENSG00000171587	DSCAM	DS cell adhesion molecule	1826	9.806516965	-1.503361363	0.890237369	-1.688719678	0.091273163	0.999371363	Not Sig
ENSG00000148671	ADIRF	adipogenesis regulatory factor	10974	981.3320817	-1.502577627	0.990850705	-1.516452094	0.129405075	0.999371363	Not Sig
ENSG00000255342	NA	NA	NA	1.115227034	-1.50117494	2.514812885	-0.596933056	0.550552077	NA	NA
ENSG00000266909	NA	NA	NA	1.115227034	-1.50117494	2.514812885	-0.596933056	0.550552077	NA	NA
ENSG00000240509	NA	NA	NA	2.275942722	-1.500954345	1.690407587	-0.887924519	0.374581354	NA	NA
ENSG00000269018	NA	NA	NA	2.543196589	-1.500175339	1.776677156	-0.844371378	0.398461911	NA	NA
ENSG00000267042	NA	NA	NA	19.08743185	-1.499200112	1.071210126	-1.399538779	0.161651478	0.999371363	Not Sig
ENSG00000237892	NA	NA	NA	83.39665702	-1.497567941	0.808652935	-1.851929148	0.064035998	0.999371363	Not Sig
ENSG00000233178	LOC105376070	uncharacterized LOC105376070	105376070	1.137971361	-1.496641136	2.207547813	-0.677965445	0.497793603	NA	NA
ENSG00000257773	NA	NA	NA	1.137971361	-1.496641136	2.207547813	-0.677965445	0.497793603	NA	NA
ENSG00000220685	NA	NA	NA	2.42557799	-1.49612327	1.891673618	-0.790899263	0.429002779	NA	NA
ENSG00000259935	NA	NA	NA	51.3212836	-1.496085818	1.138799168	-1.313739824	0.188933774	0.999371363	Not Sig
ENSG00000234504	NA	NA	NA	4.988380049	-1.49607112	1.168224429	-1.280636736	0.20032129	NA	NA
ENSG00000111666	CHPT1	choline phosphotransferase 1	56994	926.1662587	-1.49489343	0.475848974	-3.141529163	0.001680681	0.162078358	Not Sig
ENSG00000251073	NA	NA	NA	12.16066335	-1.494616107	0.944735041	-1.582047921	0.113638631	0.999371363	Not Sig
ENSG00000213560	NA	NA	NA	3.897352832	-1.492116137	1.580639039	-0.943995498	0.345171949	NA	NA
ENSG00000168078	PBK	PDZ binding kinase	55872	36.65264405	-1.489891987	1.082561812	-1.376265051	0.168739589	0.999371363	Not Sig
ENSG00000198681	MAGEA1	MAGE family member A1	4100	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000202508	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000214269	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000226102	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000230449	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000236154	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000253620	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000270492	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000270513	NA	NA	NA	0.653398545	-1.489623751	3.404135495	-0.437592379	0.661681796	NA	NA
ENSG00000179213	SIGLECL1	SIGLEC family like 1	284369	0.618498207	-1.488876041	3.463007324	-0.429937306	0.667241247	NA	NA
ENSG00000184507	NUTM1	NUT midline carcinoma family member 1	256646	0.618498207	-1.488876041	3.463007324	-0.429937306	0.667241247	NA	NA
ENSG00000239607	NA	NA	NA	0.618498207	-1.488876041	3.463007324	-0.429937306	0.667241247	NA	NA
ENSG00000240455	NA	NA	NA	0.618498207	-1.488876041	3.463007324	-0.429937306	0.667241247	NA	NA
ENSG00000253409	NA	NA	NA	0.618498207	-1.488876041	3.463007324	-0.429937306	0.667241247	NA	NA

ENSG00000271980	NA	NA	NA	0.618498207	-1.488876041	3.463007324	-0.429937306	0.667241247	NA	NA
ENSG00000196970	NXF4	nuclear RNA export factor 4 pseudogene	55999	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000223389	NA	NA	NA	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000231559	NA	NA	NA	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000232285	NA	NA	NA	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000238221	NA	NA	NA	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000253899	NA	NA	NA	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000258375	NA	NA	NA	0.612060671	-1.488735794	3.474406255	-0.42848639	0.66829704	NA	NA
ENSG00000239605	STPG4	sperm-tail PG-rich repeat containing 4	285051	5.485290784	-1.488229001	1.20820859	-1.231764957	0.218036897	NA	NA
ENSG00000252213	SNORA74D	small nucleolar RNA, H/ACA box 74D	109616975	15.1032526	-1.48807562	1.139179214	-1.30626999	0.191460759	0.999371363	Not Sig
ENSG00000268051	NA	NA	NA	19.18902034	-1.487523097	0.918559281	-1.619408924	0.105359308	0.999371363	Not Sig
ENSG00000222345	NA	NA	NA	12.47139156	-1.486417225	1.217033342	-1.221344703	0.221955535	0.999371363	Not Sig
ENSG00000202222	NA	NA	NA	15.46055204	-1.486397018	0.836627696	-1.776652895	0.075625367	0.999371363	Not Sig
ENSG00000004948	CALCR	calcitonin receptor	799	9.553605808	-1.486053877	0.904004861	-1.643856068	0.100205937	0.999371363	Not Sig
ENSG00000214612	NA	NA	NA	1.814114234	-1.485460732	1.910095036	-0.777689436	0.436752121	NA	NA
ENSG00000224781	NA	NA	NA	1.098920242	-1.48379127	2.949081215	-0.503136795	0.614868099	NA	NA
ENSG00000236756	DNAJC9-AS1	DNAJC9 antisense RNA 1	414245	3.710045761	-1.483684763	1.533039397	-0.967806023	0.333141255	NA	NA
ENSG00000251287	ALG1L2	ALG1, chitobiosylidiphosphodolichol beta-mannosyltransferase like 2	644974	39.8155353	-1.483536519	0.928268469	-1.59817614	0.110003782	0.999371363	Not Sig
ENSG00000165389	SPTSSA	serine palmitoyltransferase small subunit A	171546	1084.131338	-1.482278243	0.711266926	-2.083997146	0.037160427	0.999371363	Not Sig
ENSG00000167232	ZNF91	zinc finger protein 91	7644	2842.500076	-1.482189002	0.725343921	-2.043429272	0.041009962	0.999371363	Not Sig
ENSG00000142405	NLRP12	NLR family pyrin domain containing 12	91662	114.2471748	-1.479835568	0.745892501	-1.983979683	0.047258105	0.999371363	Not Sig
ENSG00000273196	NA	NA	NA	10.23839692	-1.479832867	1.199656512	-1.233547147	0.217371698	0.999371363	Not Sig
ENSG00000264558	NA	NA	NA	1.25399065	-1.478546722	2.471314356	-0.598283548	0.549650752	NA	NA
ENSG00000267771	NA	NA	NA	1.231246323	-1.478303968	2.185138102	-0.676526562	0.498706387	NA	NA
ENSG00000166407	LMO1	LIM domain only 1	4004	2.243329139	-1.478187259	1.733824941	-0.852558539	0.393904163	NA	NA
ENSG00000221720	NA	NA	NA	3.491884649	-1.477528806	1.650364954	-0.895273983	0.370640644	NA	NA
ENSG00000173809	TDRD12	tudor domain containing 12	91646	7.152371456	-1.477153131	1.4071596	-1.049741004	0.293837206	0.999371363	Not Sig
ENSG00000221263	MIR548P	microRNA 548p	100302288	1.373026652	-1.475648961	2.835512962	-0.520416934	0.60277301	NA	NA
ENSG00000198558	NA	NA	NA	112.0739765	-1.475350856	0.944018036	-1.56284181	0.118089807	0.999371363	Not Sig
ENSG00000224821	NA	NA	NA	12.19186464	-1.47471098	1.012168456	-1.456981761	0.145121415	0.999371363	Not Sig
ENSG00000236512	NA	NA	NA	1.12166457	-1.474479066	2.247850951	-0.655950549	0.511855942	NA	NA
ENSG00000126262	FFAR2	free fatty acid receptor 2	2867	62.36006691	-1.473934464	1.056328693	-1.395336957	0.162914252	0.999371363	Not Sig
ENSG00000186642	PDE2A	phosphodiesterase 2A	5138	342.598733	-1.473874765	0.842410459	-1.749592195	0.080188707	0.999371363	Not Sig
ENSG00000183396	TMEM89	transmembrane protein 89	440955	1.775063115	-1.472621446	1.776603056	-0.828897283	0.407162533	NA	NA
ENSG00000220008	LINGO3	leucine rich repeat and Ig domain containing 3	645191	2.467512779	-1.472264361	1.73307617	-0.849509321	0.395597946	NA	NA

ENSG00000204173	LRR37A5P	leucine rich repeat containing 37 member A5, pseudogene	652972	5.212127005	-1.471869792	1.401132894	-1.050485503	0.293494953	NA	NA
ENSG00000173715	C11orf80	chromosome 11 open reading frame 80	79703	470.8490471	-1.470856281	0.752309035	-1.955122446	0.05056862	0.999371363	Not Sig
ENSG00000203870	SMIM9	small integral membrane protein 9	100132963	1.089465994	-1.470574298	2.8993917	-0.507200975	0.612013811	NA	NA
ENSG00000254902	NA	NA	NA	1.089465994	-1.470574298	2.8993917	-0.507200975	0.612013811	NA	NA
ENSG00000224606	TGFA-IT1	TGFA intronic transcript 1	100874273	3.53435659	-1.466146486	1.626370015	-0.901483963	0.367331057	NA	NA
ENSG00000163009	NA	NA	NA	16.99233254	-1.466007577	1.074740822	-1.364056847	0.172549675	0.999371363	Not Sig
ENSG00000212552	NA	NA	NA	4.409935356	-1.465644123	1.381711838	-1.060745145	0.288805738	NA	NA
ENSG00000144407	PTH2R	parathyroid hormone 2 receptor	5746	15.22935936	-1.464626885	0.943697661	-1.5520086	0.120660166	0.999371363	Not Sig
ENSG00000203507	NA	NA	NA	2.328567255	-1.46293949	2.086626313	-0.701102771	0.483238881	NA	NA
ENSG00000267784	NA	NA	NA	3.517927654	-1.46247852	1.42618323	-1.025449247	0.305151261	NA	NA
ENSG00000200788	NA	NA	NA	7.318209988	-1.460151314	1.17341005	-1.244365782	0.213364971	0.999371363	Not Sig
ENSG00000253336	NA	NA	NA	5.330442578	-1.460070686	1.126983616	-1.295556267	0.195128404	NA	NA
ENSG00000254213	NA	NA	NA	1.237683859	-1.45913534	2.183369951	-0.668295054	0.50394527	NA	NA
ENSG00000230947	NA	NA	NA	2.185369523	-1.458724749	2.0718624	-0.704064492	0.481392611	NA	NA
ENSG00000233251	LOC100129434	uncharacterized LOC100129434	100129434	75.45144612	-1.458144635	1.051137227	-1.38720673	0.165378734	0.999371363	Not Sig
ENSG00000235082	NA	NA	NA	1.128102105	-1.457300357	2.509812068	-0.580641226	0.561482281	NA	NA
ENSG00000161714	PLCD3	phospholipase C delta 3	113026	389.0939477	-1.45684508	0.659362091	-2.209476552	0.027141512	0.850231482	Not Sig
ENSG00000139155	SLC01C1	solute carrier organic anion transporter family member 1C1	53919	14.77237046	-1.456431668	0.77636559	-1.875961128	0.060660618	0.999371363	Not Sig
ENSG00000263392	NA	NA	NA	2.475367717	-1.456389317	1.698127741	-0.857644147	0.39108899	NA	NA
ENSG00000265212	NA	NA	NA	17.45626451	-1.456302776	1.100186603	-1.323687066	0.185606996	0.999371363	Not Sig
ENSG00000213857	NA	NA	NA	1.689643091	-1.45551551	1.950432436	-0.74625272	0.455514767	NA	NA
ENSG00000244752	CRYBB2	crystallin beta B2	1415	1.105357778	-1.455331265	2.571694231	-0.565903694	0.57145925	NA	NA
ENSG00000242811	NA	NA	NA	1.868338077	-1.454680319	1.870281028	-0.777787026	0.436694578	NA	NA
ENSG00000153157	SYCP2L	synaptonemal complex protein 2 like	221711	51.64561755	-1.454503044	0.784263246	-1.854610747	0.063651832	0.999371363	Not Sig
ENSG00000242142	NA	NA	NA	5.212823978	-1.454117348	1.177279479	-1.235150509	0.216774494	NA	NA
ENSG00000252759	NA	NA	NA	46.87673569	-1.453394744	1.041966539	-1.394857406	0.163058844	0.999371363	Not Sig
ENSG00000115540	MOB4	MOB family member 4, phocein	25843	574.0780035	-1.452546671	0.870070155	-1.669459252	0.095026399	0.999371363	Not Sig
ENSG00000179603	GRM8	glutamate metabotropic receptor 8	2918	16.84041466	-1.449028638	1.073399146	-1.349943908	0.177033976	0.999371363	Not Sig
ENSG00000270953	NA	NA	NA	28.22188395	-1.44868818	0.852995164	-1.698354506	0.089440873	0.999371363	Not Sig
ENSG00000181031	RPH3AL	rabphilin 3A like (without C2 domains)	9501	920.4262615	-1.448608346	0.486684408	-2.976483984	0.002915743	0.237473696	Not Sig
ENSG00000252452	NA	NA	NA	18.26506056	-1.448341789	1.078372738	-1.343080864	0.179245791	0.999371363	Not Sig
ENSG00000272256	NA	NA	NA	10.16438847	-1.447271088	1.103978234	-1.310959803	0.189871345	0.999371363	Not Sig
ENSG00000063127	SLC6A16	solute carrier family 6 member 16	28968	208.0871859	-1.44694395	0.819117485	-1.766466932	0.077317545	0.999371363	Not Sig
ENSG00000267938	NA	NA	NA	3.604472217	-1.445395944	1.889533971	-0.764948377	0.444302285	NA	NA
ENSG00000169684	CHRNA5	cholinergic receptor nicotinic alpha 5 subunit	1138	57.43055459	-1.445331084	1.042810031	-1.38599653	0.165747963	0.999371363	Not Sig

ENSG00000125931	CITED1	<small>Chp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 1</small>	4435	5.218846506	-1.44123283	1.135011997	-1.269795239	0.204157577	NA	NA
ENSG00000225513	NA	NA	NA	10.5740382	-1.441227756	0.897828397	-1.605237438	0.108441561	0.999371363	Not Sig
ENSG00000249079	NA	NA	NA	1.323103882	-1.440619238	2.756991226	-0.522533124	0.60129919	NA	NA
ENSG00000259932	NA	NA	NA	1.323103882	-1.440619238	2.756991226	-0.522533124	0.60129919	NA	NA
ENSG00000231793	NA	NA	NA	10.65118828	-1.440066264	0.912495587	-1.578162443	0.114528296	0.999371363	Not Sig
ENSG00000232373	NA	NA	NA	25.90261747	-1.439529023	1.16362804	-1.237104104	0.216048436	0.999371363	Not Sig
ENSG00000182600	SNORC	<small>secondary ossification center associated regulator of chondrocyte maturation</small>	389084	27.71600436	-1.43867234	0.689577272	-2.086310555	0.036950501	0.999371363	Not Sig
ENSG00000268618	NA	NA	NA	4.62954106	-1.438191752	1.182260021	-1.216476686	0.223803387	NA	NA
ENSG00000254016	NA	NA	NA	14.00865205	-1.438048236	1.133390638	-1.268801936	0.204511714	0.999371363	Not Sig
ENSG00000234699	NA	NA	NA	3.556148758	-1.437147172	1.911988054	-0.751650706	0.452261141	NA	NA
ENSG00000268863	NA	NA	NA	1.852031285	-1.436962546	1.933500375	-0.743192277	0.457365279	NA	NA
ENSG00000238868	NA	NA	NA	6.132879475	-1.436632094	1.49945357	-0.958103753	0.338010443	NA	NA
ENSG00000256564	NA	NA	NA	36.63581982	-1.436243019	1.145527562	-1.253783031	0.209920879	0.999371363	Not Sig
ENSG00000251695	NA	NA	NA	3.58556372	-1.435315388	1.636533899	-0.877045925	0.380461694	NA	NA
ENSG00000182472	CAPN12	calpain 12	147968	390.1773519	-1.435248143	0.706955687	-2.030181198	0.042338124	0.999371363	Not Sig
ENSG00000174460	ZCCHC12	zinc finger CCHC-type containing 12	170261	6.033630851	-1.434202865	1.265514607	-1.133296176	0.257089897	NA	NA
ENSG00000212248	NA	NA	NA	4.444835694	-1.433235668	1.438348289	-0.996445491	0.319033739	NA	NA
ENSG00000266591	NA	NA	NA	2.972096544	-1.433134031	1.427397834	-1.004018639	0.31536963	NA	NA
ENSG00000183779	ZNF703	zinc finger protein 703	80139	737.5634368	-1.433040319	0.662429778	-2.163309026	0.030517419	0.906381749	Not Sig
ENSG00000214184	GCC2-AS1	GCC2 antisense RNA 1	644903	18.15705064	-1.432927164	0.762918973	-1.878216711	0.060351525	0.999371363	Not Sig
ENSG00000202255	NA	NA	NA	2.552335887	-1.431064361	1.748266876	-0.818561731	0.413036508	NA	NA
ENSG00000160796	NBEAL2	neurobeachin like 2	23218	5031.752785	-1.431034554	0.625555563	-2.287621573	0.022159568	0.758302843	Not Sig
ENSG00000273018	NA	NA	NA	212.1001167	-1.429299632	0.805215049	-1.775053302	0.075889086	0.999371363	Not Sig
ENSG00000230565	ZNF32-AS2	ZNF32 antisense RNA 2	414208	2.962642296	-1.429223979	1.525084104	-0.937144368	0.348684302	NA	NA
ENSG00000226438	NA	NA	NA	1.641137724	-1.428196633	1.91551006	-0.745595997	0.455911502	NA	NA
ENSG00000266569	NA	NA	NA	1.641137724	-1.428196633	1.91551006	-0.745595997	0.455911502	NA	NA
ENSG00000175886	NA	NA	NA	10.37581709	-1.428060438	1.215213738	-1.175151657	0.239934047	0.999371363	Not Sig
ENSG00000258337	NA	NA	NA	77.24520478	-1.427659058	0.895269013	-1.594670471	0.110785945	0.999371363	Not Sig
ENSG00000252485	NA	NA	NA	2.347879862	-1.427257111	2.087460649	-0.68372887	0.49414639	NA	NA
ENSG00000208008	MIR125A	microRNA 125a	406910	1.766611261	-1.426539898	1.998068498	-0.713959456	0.47525225	NA	NA
ENSG00000241404	EGFL8	EGF like domain multiple 8	80864	20.14093477	-1.426397233	0.820308668	-1.738854275	0.082060399	0.999371363	Not Sig
ENSG00000264610	MIR4685	microRNA 4685	100616482	3.770734329	-1.426394466	1.63889682	-0.870338174	0.384115623	NA	NA
ENSG00000272205	NA	NA	NA	5.142161671	-1.425867782	1.175765966	-1.212713945	0.225239207	NA	NA
ENSG00000157315	TMED6	<small>transmembrane p24 trafficking protein 6</small>	146456	38.47947522	-1.424798994	1.161621488	-1.226560467	0.219987836	0.999371363	Not Sig
ENSG00000228444	NA	NA	NA	6.172372791	-1.42448333	1.140856649	-1.248608518	0.211808295	NA	NA

ENSG00000258101	NA	NA	NA	5.386111013	-1.423644669	1.369029573	-1.039893292	0.298389479	NA	NA
ENSG00000259205	NA	NA	NA	50.47736144	-1.422857987	0.699306135	-2.034671105	0.041883977	0.999371363	Not Sig
ENSG00000157087	ATP2B2	ATPase plasma membrane Ca ²⁺ transporting 2	491	11.65616337	-1.422724328	1.086325941	-1.309666164	0.190308795	0.999371363	Not Sig
ENSG00000268182	SMIM17	small integral membrane protein 17	147670	8.638751503	-1.42218979	0.901942521	-1.576807565	0.114839811	0.999371363	Not Sig
ENSG00000180211	NA	NA	NA	3.309735856	-1.421795034	1.923294068	-0.739249945	0.459755238	NA	NA
ENSG00000272469	NA	NA	NA	14.19724211	-1.421231175	0.785857609	-1.808509786	0.070527195	0.999371363	Not Sig
ENSG00000227318	NA	NA	NA	8.844443023	-1.420681695	1.161183188	-1.223477664	0.221149335	0.999371363	Not Sig
ENSG00000256885	NA	NA	NA	8.830736567	-1.419777849	0.907796612	-1.563982316	0.117821721	0.999371363	Not Sig
ENSG00000183454	GRIN2A	glutamate ionotropic receptor NMDA type subunit 2A	2903	48.5194113	-1.419680846	1.146965048	-1.237771672	0.215800735	0.999371363	Not Sig
ENSG00000204778	NA	NA	NA	7.216777286	-1.418868412	1.057836711	-1.341292467	0.179825515	0.999371363	Not Sig
ENSG00000212526	NA	NA	NA	3.709315803	-1.418864589	1.561222391	-0.908816449	0.363447022	NA	NA
ENSG00000250731	NA	NA	NA	9.040811011	-1.418445042	1.143238657	-1.240725226	0.214707272	0.999371363	Not Sig
ENSG00000206150	RNASE13	ribonuclease A family member 13 (inactive)	440163	1.056852411	-1.418339742	2.972144401	-0.477210913	0.633211941	NA	NA
ENSG00000220392	NA	NA	NA	4.538110656	-1.41826241	1.691687849	-0.838371222	0.401822247	NA	NA
ENSG00000187904	NA	NA	NA	8.475606161	-1.417203973	1.165486211	-1.215976612	0.223993832	0.999371363	Not Sig
ENSG00000238651	NA	NA	NA	2.192809454	-1.416782246	1.784703236	-0.793847524	0.427284202	NA	NA
ENSG00000272752	STAG3L5P-PVRIG2P-PILRB	STAG3L5P-PVRIG2P-PILRB readthrough	101752399	3.92722214	-1.415964159	1.310269609	-1.080666261	0.279845596	NA	NA
ENSG00000258872	NA	NA	NA	13.56194372	-1.415794882	0.939458488	-1.507032934	0.131802216	0.999371363	Not Sig
ENSG00000225912	NA	NA	NA	2.939482961	-1.414499479	1.450829942	-0.974958841	0.329580677	NA	NA
ENSG00000267345	NA	NA	NA	5.40725603	-1.413626215	1.278135904	-1.106006185	0.268723842	NA	NA
ENSG00000266957	NA	NA	NA	5.742742878	-1.41346891	1.220026292	-1.158556105	0.24663717	NA	NA
ENSG00000200175	NA	NA	NA	2.302391207	-1.412929586	1.617554746	-0.873497227	0.382392117	NA	NA
ENSG00000198785	GRIN3A	glutamate ionotropic receptor NMDA type subunit 3A	116443	7.494901434	-1.412758529	1.313456356	-1.07560371	0.282104528	0.999371363	Not Sig
ENSG00000244289	NA	NA	NA	2.259320981	-1.412547726	1.881864116	-0.750610905	0.452886857	NA	NA
ENSG00000268047	NA	NA	NA	8.581561183	-1.412010918	1.026411127	-1.375677718	0.168921433	0.999371363	Not Sig
ENSG00000272544	NA	NA	NA	32.48721105	-1.410656908	0.983768833	-1.433931287	0.151591872	0.999371363	Not Sig
ENSG00000233797	NA	NA	NA	11.63853203	-1.410507126	1.088947313	-1.295294189	0.195218763	0.999371363	Not Sig
ENSG00000252777	NA	NA	NA	2.661917641	-1.410321057	2.380338462	-0.592487615	0.553524112	NA	NA
ENSG00000269397	NA	NA	NA	25.36125469	-1.409495973	0.994553173	-1.4172153	0.15641999	0.999371363	Not Sig
ENSG00000222679	NA	NA	NA	2.183355206	-1.408660654	1.729624258	-0.814431602	0.415397741	NA	NA
ENSG00000239906	NA	NA	NA	4.500038887	-1.408510558	1.412536469	-0.997149871	0.318691769	NA	NA
ENSG00000211898	NA	NA	NA	122.3066897	-1.408391823	1.139585332	-1.235880968	0.216502813	0.999371363	Not Sig
ENSG00000197584	KCNMB2	potassium calcium-activated channel subfamily M regulatory beta subunit 2	10242	9.619736826	-1.407652182	1.32270248	-1.064224347	0.28722708	0.999371363	Not Sig
ENSG00000199306	NA	NA	NA	1.314652029	-1.407321349	2.455388372	-0.573156314	0.566538861	NA	NA
ENSG00000259402	NA	NA	NA	29.39747767	-1.406944556	0.871331676	-1.614706082	0.10637436	0.999371363	Not Sig

ENSG00000235878	NA	NA	NA	8.775196749	-1.405311444	1.01816503	-1.380239355	0.16751296	0.999371363	Not Sig
ENSG00000254485	NA	NA	NA	13.89739424	-1.404770521	1.154002935	-1.217302382	0.223489188	0.999371363	Not Sig
ENSG00000112619	PRPH2	peripherin 2	5961	45.25580046	-1.403661962	0.666214365	-2.10692239	0.035124307	0.965765073	Not Sig
ENSG00000263978	MIR4499	microRNA 4499	100616304	2.308828743	-1.402944057	1.617826485	-0.867178322	0.385844312	NA	NA
ENSG00000271778	NA	NA	NA	8.504068964	-1.402777362	1.202803552	-1.166256418	0.243510788	0.999371363	Not Sig
ENSG00000181097	NA	NA	NA	17.79846009	-1.402659067	0.905068015	-1.549783049	0.121193597	0.999371363	Not Sig
ENSG00000090539	CHRD	chordin	8646	299.7210725	-1.401650998	0.84402616	-1.660672459	0.096779248	0.999371363	Not Sig
ENSG00000236761	CTAGE9	CTAGE family member 9	643854	3.483117845	-1.400534749	1.516413705	-0.923583547	0.355703183	NA	NA
ENSG00000242134	NA	NA	NA	9.853339366	-1.400090085	1.336514569	-1.047568143	0.294837621	0.999371363	Not Sig
ENSG00000182759	MAFA	MAF bZIP transcription factor A	389692	4.086593621	-1.400073428	1.252666182	-1.117674803	0.263705908	NA	NA
ENSG00000224186	NA	NA	NA	49.80485453	-1.399020757	1.089545273	-1.284040959	0.199127625	0.999371363	Not Sig
ENSG00000240003	NA	NA	NA	7.474837194	-1.398637404	1.115277471	-1.254071242	0.209816112	0.999371363	Not Sig
ENSG00000252201	NA	NA	NA	2.496977977	-1.398369034	2.060196766	-0.678755087	0.497293056	NA	NA
ENSG00000171757	LRRC34	leucine rich repeat containing 34	151827	85.4548239	-1.396950319	0.683151316	-2.044862223	0.040868443	0.999371363	Not Sig
ENSG00000117069	ST6GALNAC5	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	81849	227.1607477	-1.395639037	0.808338279	-1.726553193	0.084247938	0.999371363	Not Sig
ENSG00000165555	NOXRED1	NADP dependent oxidoreductase domain containing 1	122945	26.47546538	-1.395428378	0.851379076	-1.639021227	0.101208839	0.999371363	Not Sig
ENSG00000089356	FXVD3	FXVD domain containing ion transport regulator 3	5349	1223.089335	-1.394763866	0.435359297	-3.203707547	0.001356702	0.138902032	Not Sig
ENSG00000241346	NA	NA	NA	2.685104166	-1.394735134	1.669647844	-0.83534689	0.403522423	NA	NA
ENSG00000144339	TMEFF2	transmembrane protein with EGF like and two follistatin like domains 2	23671	2.698394244	-1.39429703	2.02536228	-0.688418582	0.491189225	NA	NA
ENSG00000124813	RUNX2	runt related transcription factor 2	860	614.7919299	-1.394294759	0.856223422	-1.628423987	0.103435015	0.999371363	Not Sig
ENSG00000185100	ADSSL1	adenylosuccinate synthase like 1	122622	435.0649924	-1.393695672	0.703923834	-1.979895557	0.047715266	0.999371363	Not Sig
ENSG00000166831	RBPM52	RNA binding protein with multiple splicing 2	348093	176.8842441	-1.393679955	0.845730882	-1.647900041	0.099373185	0.999371363	Not Sig
ENSG00000221390	MIR1295A	microRNA 1295a	100302178	1.063289946	-1.393328566	2.58742341	-0.538500409	0.590231622	NA	NA
ENSG00000236107	LOC101929680	uncharacterized LOC101929680	101929680	16.32170375	-1.393188755	0.900885094	-1.546466653	0.121991908	0.999371363	Not Sig
ENSG00000236107	LOC102724058	uncharacterized LOC102724058	102724058	16.32170375	-1.393188755	0.900885094	-1.546466653	0.121991908	0.999371363	Not Sig
ENSG00000136929	HEMGN	hemogen	55363	15.69293427	-1.392484229	1.252027317	-1.112183585	0.266059224	0.999371363	Not Sig
ENSG00000169994	MYO7B	myosin VII B	4648	67.85877663	-1.391698293	0.922488465	-1.5086349	0.13139211	0.999371363	Not Sig
ENSG00000216721	NA	NA	NA	1.290490299	-1.391685628	2.846197072	-0.4889632	0.624867751	NA	NA
ENSG00000112232	KHDRBS2	KH RNA binding domain containing, signal transduction associated 2	202559	141.070194	-1.391342512	1.026545572	-1.355363609	0.175301738	0.999371363	Not Sig
ENSG00000262434	NA	NA	NA	9.685714232	-1.391163917	1.421997304	-0.978316846	0.327917641	0.999371363	Not Sig
ENSG00000174343	CHRNA9	cholinergic receptor nicotinic alpha 9 subunit	55584	5.360268123	-1.390899316	1.87715304	-0.74096213	0.458716402	NA	NA
ENSG00000267191	NA	NA	NA	4.179868583	-1.389848306	1.419023502	-0.979439949	0.327362646	NA	NA
ENSG00000253008	MIR2355	microRNA 2355	100423036	20.68411571	-1.389550919	0.796331952	-1.744939302	0.080995435	0.999371363	Not Sig
ENSG00000230869	NA	NA	NA	1.599069892	-1.389035349	1.957184398	-0.709711027	0.477883353	NA	NA
ENSG00000243024	NA	NA	NA	2.25205343	-1.387859338	1.881587078	-0.737600377	0.460757326	NA	NA

ENSG00000174469	CNTNAP2	contactin associated protein like 2	26047	75.06752435	-1.387553056	1.048875326	-1.322896078	0.18586994	0.999371363	Not Sig
ENSG00000021461	CYP3A43	cytochrome P450 family 3 subfamily A member 43	64816	3.013434418	-1.385185109	1.464377574	-0.945920734	0.344189017	NA	NA
ENSG00000261684	NA	NA	NA	4.651140422	-1.3847998	1.218314541	-1.136652115	0.255683744	NA	NA
ENSG00000161082	CELF5	CUGBP Elav-like family member 5	60680	31.8746024	-1.383925931	1.331889623	-1.039069535	0.298772398	0.999371363	Not Sig
ENSG00000199319	NA	NA	NA	4.749524796	-1.383350935	1.653427883	-0.836656348	0.402785762	NA	NA
ENSG00000147687	TATDN1	TatD DNase domain containing 1	83940	482.6873384	-1.383274991	0.777501621	-1.779128111	0.075218761	0.999371363	Not Sig
ENSG00000273017	NA	NA	NA	21.79847049	-1.382720331	1.15112612	-1.201189259	0.229677795	0.999371363	Not Sig
ENSG00000253257	NA	NA	NA	1.087451676	-1.380751934	2.605196909	-0.529999068	0.596112577	NA	NA
ENSG00000157214	STEAP2	STEAP2 metalloredutase	261729	1276.957622	-1.380625422	0.981326211	-1.40689753	0.159457776	0.999371363	Not Sig
ENSG00000234742	NA	NA	NA	1.800509205	-1.380341039	2.197826194	-0.628048315	0.529972229	NA	NA
ENSG00000244332	NA	NA	NA	8.525082309	-1.377550883	1.726281524	-0.797987387	0.424877809	0.999371363	Not Sig
ENSG00000200033	NA	NA	NA	20.80752731	-1.377293017	1.370839441	-1.004707755	0.315037593	0.999371363	Not Sig
ENSG00000230183	NA	NA	NA	2.118543047	-1.376653349	1.768228465	-0.778549478	0.43624515	NA	NA
ENSG00000263345	NA	NA	NA	11.90201522	-1.375753311	1.03158585	-1.333629489	0.182325314	0.999371363	Not Sig
ENSG00000205021	NA	NA	NA	22.13545191	-1.37544866	0.905661524	-1.518722639	0.128832326	0.999371363	Not Sig
ENSG00000268838	NA	NA	NA	3.862814091	-1.373225131	1.33260829	-1.030479205	0.302785109	NA	NA
ENSG00000164308	ERAP2	endoplasmic reticulum aminopeptidase 2	64167	923.5371123	-1.371899989	0.674365543	-2.034356594	0.041915655	0.999371363	Not Sig
ENSG00000207839	MIR33B	microRNA 33b	693120	1.093889212	-1.371311483	2.979055457	-0.460317541	0.645288312	NA	NA
ENSG00000226221	NA	NA	NA	7.665250138	-1.369319444	1.025396129	-1.335405318	0.181743725	0.999371363	Not Sig
ENSG00000267871	LOC105372476	uncharacterized LOC105372476	105372476	28.26732413	-1.369236325	0.787260041	-1.739242757	0.081992072	0.999371363	Not Sig
ENSG00000099251	HSD17B7P2	hydroxysteroid 17-beta dehydrogenase 7 pseudogene 2	158160	107.608181	-1.36828973	0.545303907	-2.509224146	0.012099668	0.550076239	Not Sig
ENSG00000146677	NA	NA	NA	8.813252237	-1.366892266	1.086283937	-1.258319505	0.20827623	0.999371363	Not Sig
ENSG00000255031	NA	NA	NA	72.89143938	-1.366794718	0.561747799	-2.433110943	0.014969713	0.620110526	Not Sig
ENSG00000142408	CACNG8	calcium voltage-gated channel auxiliary subunit gamma 8	59283	19.12900168	-1.366005821	0.78604374	-1.737824183	0.082241798	0.999371363	Not Sig
ENSG00000262621	NA	NA	NA	18.00183918	-1.363859529	0.814257826	-1.674972577	0.093939612	0.999371363	Not Sig
ENSG00000221946	FXYD7	FXYD domain containing ion transport regulator 7	53822	3.994188012	-1.363279021	1.373218185	-0.992762138	0.320825885	NA	NA
ENSG00000144834	TAGLN3	transgelin 3	29114	3.425744247	-1.363263223	1.921592685	-0.709444428	0.478048726	NA	NA
ENSG00000229659	NA	NA	NA	10.20716872	-1.362901668	0.866376437	-1.573105649	0.115694357	0.999371363	Not Sig
ENSG00000128591	FLNC	filamin C	2318	785.7861858	-1.361482065	0.769553204	-1.769185103	0.076862989	0.999371363	Not Sig
ENSG00000207611	MIR149	microRNA 149	406941	6.662925622	-1.360630122	1.158349034	-1.174628788	0.240143261	0.999371363	Not Sig
ENSG00000176293	ZNF135	zinc finger protein 135	7694	129.1304517	-1.3602549	0.68811481	-1.976784803	0.04806596	0.999371363	Not Sig
ENSG00000213412	HNRNPA1P33	heterogeneous nuclear ribonucleoprotein A1 pseudogene 33	728643	25.50686991	-1.358801806	0.993728429	-1.367377409	0.171507039	0.999371363	Not Sig
ENSG00000126231	PROZ	protein Z, vitamin K dependent plasma glycoprotein	8858	1.14711066	-1.358331696	2.556412921	-0.531342838	0.595181225	NA	NA
ENSG00000231795	NA	NA	NA	27.26945126	-1.357555796	1.038956509	-1.306653151	0.191330536	0.999371363	Not Sig
ENSG00000139200	PIANP	PILR alpha associated neural protein	196500	7.731993808	-1.35698119	1.137855137	-1.192578164	0.233034622	0.999371363	Not Sig

ENSG00000213901	SLC23A3	solute carrier family 23 member 3	151295	120.265118	-1.356478175	0.730583511	-1.85670516	0.063353113	0.999371363	Not Sig
ENSG00000201367	NA	NA	NA	11.36668643	-1.356055503	1.608951098	-0.842819589	0.399329351	0.999371363	Not Sig
ENSG00000157224	CLDN12	claudin 12	9069	908.851653	-1.355961346	0.797785167	-1.699657254	0.089195414	0.999371363	Not Sig
ENSG00000150201	FXYD4	FXYD domain containing ion transport regulator 4	53828	18.70928136	-1.355063214	1.649985137	-0.821257831	0.411499422	0.999371363	Not Sig
ENSG00000253284	NA	NA	NA	400.8691944	-1.354746602	0.859450389	-1.576294129	0.114958034	0.999371363	Not Sig
ENSG00000213865	C8orf44	chromosome 8 open reading frame 44	56260	166.5631619	-1.354558305	0.796761494	-1.70008003	0.089115873	0.999371363	Not Sig
ENSG00000053747	LAMA3	laminin subunit alpha 3	3909	3181.78983	-1.35395578	0.674151468	-2.008385123	0.044602383	0.999371363	Not Sig
ENSG00000263473	NA	NA	NA	2.747182947	-1.353863111	1.502392092	-0.901138337	0.367514772	NA	NA
ENSG00000129451	KLK10	kallikrein related peptidase 10	5655	68.77013516	-1.353820753	1.150242872	-1.176986865	0.239200749	0.999371363	Not Sig
ENSG00000241942	NA	NA	NA	2.72827445	-1.351680623	1.794069006	-0.753416183	0.451199861	NA	NA
ENSG00000100292	HMOX1	heme oxygenase 1	3162	1149.941223	-1.349945838	0.769780225	-1.753676951	0.079485877	0.999371363	Not Sig
ENSG00000248946	NA	NA	NA	1.038946309	-1.349860893	2.969952941	-0.454505819	0.649464805	NA	NA
ENSG00000266503	NA	NA	NA	3.359931063	-1.349688363	1.572656414	-0.858222019	0.39076988	NA	NA
ENSG00000233622	CYP2T1P	cytochrome P450 family 2 subfamily T member 1, pseudogene	171523	24.53892015	-1.349260306	0.924624653	-1.459251927	0.144495781	0.999371363	Not Sig
ENSG00000198763	ND2	MTND2	4536	47207.01808	-1.349169756	0.903576087	-1.493144602	0.13539934	0.999371363	Not Sig
ENSG00000228702	NA	NA	NA	3.262221986	-1.348771298	1.380685392	-0.976885325	0.328625928	NA	NA
ENSG00000264950	NA	NA	NA	4.776337097	-1.348431298	1.347269023	-1.000862689	0.316893197	NA	NA
ENSG00000228417	NA	NA	NA	1.140258116	-1.344805269	2.558239735	-0.525676015	0.599113331	NA	NA
ENSG00000200999	NA	NA	NA	4.270387121	-1.344733139	1.469200907	-0.915281996	0.360043608	NA	NA
ENSG00000251013	NA	NA	NA	5.76202387	-1.344038984	1.248807407	-1.076258017	0.281811879	NA	NA
ENSG00000235522	NA	NA	NA	1.07758242	-1.343657616	2.987647949	-0.449737599	0.652899657	NA	NA
ENSG00000070214	SLC44A1	solute carrier family 44 member 1	23446	3581.948253	-1.34283661	0.635641454	-2.112569281	0.03463765	0.965260677	Not Sig
ENSG00000270137	NA	NA	NA	25.29290064	-1.339905286	1.15427682	-1.160817979	0.24571593	0.999371363	Not Sig
ENSG00000201863	NA	NA	NA	4.024605369	-1.339333241	1.589599284	-0.842560294	0.399474405	NA	NA
ENSG00000172399	MYOZ2	myozenin 2	51778	1.695765677	-1.338433877	2.32291561	-0.576187043	0.564488762	NA	NA
ENSG00000273338	NA	NA	NA	5.875319309	-1.338240383	1.329947505	-1.006235493	0.314302303	NA	NA
ENSG00000127507	ADGRE2	adhesion G protein-coupled receptor E2	30817	572.4648603	-1.338084538	0.65888219	-2.03084035	0.042271192	0.999371363	Not Sig
ENSG00000132359	RAP1GAP2	RAP1 GTPase activating protein 2	23108	1055.898776	-1.336773353	0.545164659	-2.452054311	0.014204322	0.602272823	Not Sig
ENSG00000188483	IER5L	immediate early response 5 like	389792	735.029295	-1.335949177	0.643656865	-2.075561142	0.037934558	0.999371363	Not Sig
ENSG00000163749	CCDC158	coiled-coil domain containing 158	339965	17.63931465	-1.335689792	0.855282848	-1.561693648	0.118360176	0.999371363	Not Sig
ENSG00000197047	NA	NA	NA	2.796972674	-1.335499926	1.449792085	-0.921166517	0.356963496	NA	NA
ENSG00000215973	MIR933	microRNA 933	100126350	7.690868608	-1.335015947	1.063342272	-1.255490336	0.209300814	0.999371363	Not Sig
ENSG00000181781	ODF3L2	outer dense fiber of sperm tails 3 like 2	284451	2.80500952	-1.334264203	1.779752173	-0.749691009	0.453440824	NA	NA
ENSG00000226180	LOC100129215	uncharacterized LOC100129215	100129215	25.09223245	-1.331892422	0.699542384	-1.903948141	0.056916938	0.999371363	Not Sig
ENSG00000272518	NA	NA	NA	70.47803447	-1.331883267	0.79430857	-1.676783202	0.093584884	0.999371363	Not Sig

ENSG00000181585	TMIE	transmembrane inner ear	259236	28.14528137	-1.33176425	0.937363267	-1.420755748	0.155387779	0.999371363	Not Sig
ENSG00000267253	NA	NA	NA	4.848871152	-1.330334265	1.317101865	-1.010046603	0.312472963	NA	NA
ENSG00000272941	NA	NA	NA	109.8919471	-1.32817164	1.073597094	-1.237122984	0.216041428	0.999371363	Not Sig
ENSG00000260903	XKR7	XK related 7	343702	11.2693961	-1.327936376	1.428700055	-0.929471775	0.352644646	0.999371363	Not Sig
ENSG00000216285	NA	NA	NA	1.556587053	-1.326072003	2.342941712	-0.565985912	0.571403357	NA	NA
ENSG00000270096	NA	NA	NA	9.313481227	-1.325786293	1.161821155	-1.141127692	0.253816789	0.999371363	Not Sig
ENSG00000227175	LOC105376421	uncharacterized LOC105376421	105376421	2.167917767	-1.324763625	1.884056076	-0.703144478	0.481965716	NA	NA
ENSG00000105997	HOXA3	homeobox A3	3200	279.8965567	-1.32359036	0.71047605	-1.862962671	0.062467518	0.999371363	Not Sig
ENSG00000257337	LOC283335	uncharacterized LOC283335	283335	293.2724387	-1.322825348	0.593460234	-2.229004191	0.025813626	0.833515363	Not Sig
ENSG00000243314	NA	NA	NA	13.84500088	-1.322296852	0.993217593	-1.331326449	0.183081619	0.999371363	Not Sig
ENSG00000224712	NPIPA3	nuclear pore complex interacting protein family member A3	642778	3.021156314	-1.321589462	1.722282641	-0.767347607	0.442874871	NA	NA
ENSG00000146674	IGFBP3	insulin like growth factor binding protein 3	3486	3391.352433	-1.321212113	0.933316515	-1.415609916	0.156889746	0.999371363	Not Sig
ENSG00000067842	ATP2B3	ATPase plasma membrane Ca2+ transporting 3	492	2.278916923	-1.321153751	1.733282765	-0.762226324	0.445924937	NA	NA
ENSG00000248909	NA	NA	NA	19.4740068	-1.320722661	0.797539909	-1.655995702	0.097722689	0.999371363	Not Sig
ENSG00000224858	NA	NA	NA	5.390906726	-1.31843955	1.093240269	-1.205992486	0.227820388	NA	NA
ENSG00000122254	HS3ST2	heparan sulfate-glucosamine 3-sulfotransferase 2	9956	394.1004073	-1.317163829	0.996575095	-1.321690494	0.186271236	0.999371363	Not Sig
ENSG00000236710	NA	NA	NA	5.051435004	-1.314639602	1.763621331	-0.745420561	0.456017518	NA	NA
ENSG00000222005	LINC01118	long intergenic non-protein coding RNA 1118	388948	4.864581028	-1.314400729	1.182373166	-1.111663193	0.266282991	NA	NA
ENSG00000243234	NA	NA	NA	1.137241404	-1.313570363	2.50603417	-0.52416299	0.60016518	NA	NA
ENSG00000269549	NA	NA	NA	11.44851422	-1.313020274	0.881618795	-1.489328813	0.136400804	0.999371363	Not Sig
ENSG00000178127	NDUFV2	NADH:ubiquinone oxidoreductase core subunit V2	4729	313.2356115	-1.31293763	0.800094726	-1.640977734	0.100802037	0.999371363	Not Sig
ENSG00000267346	NA	NA	NA	10.28567201	-1.312790283	0.918916892	-1.428627871	0.153111219	0.999371363	Not Sig
ENSG00000199051	MIR361	microRNA 361	494323	2.308098785	-1.312736305	1.734605611	-0.756792378	0.44917426	NA	NA
ENSG00000201499	NA	NA	NA	7.844317618	-1.312347511	1.31533141	-0.997731447	0.3184096	0.999371363	Not Sig
ENSG00000189011	NA	NA	NA	6.058000829	-1.312220349	1.317519781	-0.995977722	0.31926097	NA	NA
ENSG00000115541	HSPE1	heat shock protein family E (Hsp10) member 1	3336	494.4169522	-1.311989727	0.860425814	-1.524814464	0.127305381	0.999371363	Not Sig
ENSG00000231948	HS1BP3-IT1	HS1BP3 intronic transcript 1	100874343	13.1095449	-1.311927748	0.901778743	-1.454822215	0.145718486	0.999371363	Not Sig
ENSG00000198156	NPIPB6	nuclear pore complex interacting protein family member B6	728741	10.60596405	-1.31149123	0.915054794	-1.433237921	0.151789856	0.999371363	Not Sig
ENSG00000157404	KIT	KIT proto-oncogene receptor tyrosine kinase	3815	1919.638735	-1.31141672	0.654091421	-2.004944077	0.044969026	0.999371363	Not Sig
ENSG00000031544	NA	NA	NA	12.56357701	-1.310466452	1.08258838	-1.210493736	0.226089493	0.999371363	Not Sig
ENSG00000147378	FATE1	fetal and adult testis expressed 1	89885	1.74998952	-1.310359308	1.963682673	-0.667296873	0.504582523	NA	NA
ENSG00000119522	DENND1A	DENN domain containing 1A	57706	835.4072408	-1.309847585	0.431733011	-3.033929656	0.002413907	0.212575747	Not Sig
ENSG00000082153	BZW1	basic leucine zipper and W2 domains 1	9689	5431.006969	-1.309163092	0.71292337	-1.83633073	0.066308758	0.999371363	Not Sig
ENSG00000252349	NA	NA	NA	13.54534859	-1.307993563	1.02939891	-1.270638186	0.203857396	0.999371363	Not Sig
ENSG00000173535	TNFRSF10C	TNF receptor superfamily member 10c	8794	215.7068944	-1.307805423	0.629391337	-2.077889137	0.037719571	0.999371363	Not Sig

ENSG00000173535	LOC254896	uncharacterized LOC254896	254896	215.7068944	-1.307805423	0.629391337	-2.077889137	0.037719571	0.999371363	Not Sig
ENSG00000245534	RORA-AS1	RORA antisense RNA 1	101928784	12.52679499	-1.307140244	0.92596772	-1.411647746	0.158053707	0.999371363	Not Sig
ENSG00000124920	MYRF	myelin regulatory factor	745	1048.835268	-1.306558519	0.853089021	-1.531561755	0.125630616	0.999371363	Not Sig
ENSG00000272719	NA	NA	NA	2.175772705	-1.306398948	1.648015574	-0.792710317	0.427946618	NA	NA
ENSG00000054690	PLEKHH1	pleckstrin homology, MyTH4 and FERM domain containing H1	57475	328.0321287	-1.30555004	0.800142794	-1.631646313	0.102754016	0.999371363	Not Sig
ENSG00000222670	NA	NA	NA	1.891769849	-1.305352625	2.556444254	-0.510612591	0.609622357	NA	NA
ENSG00000233875	NA	NA	NA	9.31893403	-1.303306603	1.147353636	-1.135924062	0.255988347	0.999371363	Not Sig
ENSG00000205572	SERF1A	small EDRK-rich factor 1A	8293	12.38403945	-1.30247841	0.803793696	-1.620413816	0.105143414	0.999371363	Not Sig
ENSG00000205572	SERF1B	small EDRK-rich factor 1B	728492	12.38403945	-1.30247841	0.803793696	-1.620413816	0.105143414	0.999371363	Not Sig
ENSG00000266745	MIR3135A	microRNA 3135a	100422901	1.617663439	-1.302467391	1.971766119	-0.660558764	0.508895321	NA	NA
ENSG00000105697	HAMP	hepcidin antimicrobial peptide	57817	7.119109181	-1.301202899	1.623637936	-0.801411983	0.42289318	0.999371363	Not Sig
ENSG00000211513	MIR320E	microRNA 320e	100422913	10.0174279	-1.301127063	0.887093568	-1.466730354	0.142449422	0.999371363	Not Sig
ENSG00000152253	SPC25	SPC25, NDC80 kinetochore complex component	57405	34.4532108	-1.300796256	1.130842651	-1.150289348	0.250024717	0.999371363	Not Sig
ENSG00000221487	NA	NA	NA	3.251755814	-1.300195	1.564512215	-0.831054553	0.405942812	NA	NA
ENSG00000269965	NA	NA	NA	20.66567079	-1.298936918	0.815202403	-1.593391914	0.111072299	0.999371363	Not Sig
ENSG00000230898	NA	NA	NA	2.756322245	-1.298411021	1.607251027	-0.807845818	0.419179345	NA	NA
ENSG00000270917	NA	NA	NA	3.774527647	-1.298232253	1.306681411	-0.99353388	0.320449848	NA	NA
ENSG00000109738	GLRB	glycine receptor beta	2743	160.3829611	-1.29738619	0.855144303	-1.517154691	0.129227633	0.999371363	Not Sig
ENSG00000222958	MIR1913	microRNA 1913	100302141	8.172564106	-1.296482245	0.972843794	-1.332672576	0.182639277	0.999371363	Not Sig
ENSG00000271833	NA	NA	NA	9.651303696	-1.296466592	0.930351879	-1.393522284	0.163461743	0.999371363	Not Sig
ENSG00000234167	NA	NA	NA	14.04071191	-1.295578173	1.110182907	-1.166995245	0.24321229	0.999371363	Not Sig
ENSG00000206621	SNORD116-14	small nucleolar RNA, C/D box 116-14	100033426	29.76141131	-1.295533692	0.646782064	-2.003045174	0.04517244	0.999371363	Not Sig
ENSG00000267193	NA	NA	NA	1.65629955	-1.294612241	2.262176735	-0.572286073	0.567128183	NA	NA
ENSG00000171496	OR1L8	olfactory receptor family 1 subfamily L member 8	138881	2.033992376	-1.294189219	1.8284085	-0.707822797	0.479055307	NA	NA
ENSG00000199804	NA	NA	NA	4.276836804	-1.292967846	1.62702899	-0.794680275	0.426799509	NA	NA
ENSG00000165959	CLMN	calmin	79789	1517.214212	-1.292712077	0.622654242	-2.076131486	0.037881792	0.999371363	Not Sig
ENSG00000237075	NA	NA	NA	3.27779882	-1.2926569	1.471392579	-0.878526179	0.379658237	NA	NA
ENSG00000273402	NA	NA	NA	10.06358633	-1.291371686	1.220232116	-1.058300031	0.289918679	0.999371363	Not Sig
ENSG00000177943	MAMDC4	MAM domain containing 4	158056	335.978168	-1.290769629	0.635910426	-2.029797871	0.042377089	0.999371363	Not Sig
ENSG00000233452	NA	NA	NA	41.78067773	-1.290216601	0.602826533	-2.140278389	0.032332275	0.92747231	Not Sig
ENSG00000254528	NA	NA	NA	10.83612645	-1.290120307	0.910245107	-1.417332867	0.15638563	0.999371363	Not Sig
ENSG00000248559	NA	NA	NA	10.57061709	-1.289977356	0.883645457	-1.459835894	0.144335181	0.999371363	Not Sig
ENSG00000228923	NA	NA	NA	1.239970614	-1.289787911	2.833246649	-0.45523319	0.648941485	NA	NA
ENSG00000230815	NA	NA	NA	30.40087524	-1.289380101	0.779506409	-1.654098139	0.098107574	0.999371363	Not Sig
ENSG00000133477	FAM83F	family with sequence similarity 83 member F	113828	172.558819	-1.289356542	0.864767011	-1.490987198	0.135964856	0.999371363	Not Sig

ENSG00000231125	NA	NA	NA	16.53904711	-1.288286418	0.852600051	-1.51100908	0.130786138	0.999371363	Not Sig
ENSG00000156453	PCDH1	protocadherin 1	5097	2462.747055	-1.287281419	0.603747332	-2.132152561	0.032994307	0.944249768	Not Sig
ENSG00000221704	NA	NA	NA	2.670902221	-1.287177074	1.598990793	-0.804993424	0.420823474	NA	NA
ENSG00000178462	TUBAL3	tubulin alpha like 3	79861	5.602791784	-1.286351246	1.362201686	-0.944317761	0.345007293	NA	NA
ENSG00000171471	NA	NA	NA	2.212687361	-1.286008852	2.055364722	-0.625684015	0.53152222	NA	NA
ENSG00000166206	GABRB3	gamma-aminobutyric acid type A receptor beta3 subunit	2562	181.1900672	-1.285622898	1.16573526	-1.102842937	0.270095378	0.999371363	Not Sig
ENSG00000201343	NA	NA	NA	36.88674877	-1.285243635	1.004549638	-1.279422724	0.200748236	0.999371363	Not Sig
ENSG00000162426	SLC45A1	solute carrier family 45 member 1	50651	43.33206839	-1.285229885	0.712828891	-1.802999151	0.071388348	0.999371363	Not Sig
ENSG00000154898	NA	NA	NA	55.05105506	-1.284502482	0.774849064	-1.657745413	0.097368863	0.999371363	Not Sig
ENSG00000189056	RELN	reelin	5649	136.1464133	-1.284105222	0.541588871	-2.370996325	0.017740207	0.674897979	Not Sig
ENSG00000265056	MIR548S	microRNA 548s	100422862	4.740513995	-1.282771414	1.229977239	-1.042922888	0.296984008	NA	NA
ENSG00000198899	ATP6	ATP synthase F0 subunit 6	4508	46903.06917	-1.279249719	0.885328798	-1.44494308	0.148473874	0.999371363	Not Sig
ENSG00000113205	PCDHB3	protocadherin beta 3	56132	77.31962693	-1.277326237	0.47796307	-2.67243709	0.007530249	0.42176576	Not Sig
ENSG00000228672	PROB1	proline rich basic protein 1	389333	50.67543204	-1.275774648	0.644469468	-1.97957345	0.047751479	0.999371363	Not Sig
ENSG00000253520	NA	NA	NA	7.560796297	-1.275259257	0.989278275	-1.289080422	0.197370129	0.999371363	Not Sig
ENSG00000140263	SORD	sorbitol dehydrogenase	6652	732.8480844	-1.274905347	0.800192775	-1.593247762	0.11110462	0.999371363	Not Sig
ENSG00000240913	NA	NA	NA	1.63053851	-1.274556415	1.971065107	-0.646633341	0.517869274	NA	NA
ENSG00000252050	NA	NA	NA	7.458627284	-1.27425159	1.105269667	-1.152887507	0.248956561	0.999371363	Not Sig
ENSG00000224312	NA	NA	NA	6.833983447	-1.273863599	1.059541694	-1.202277934	0.229255863	0.999371363	Not Sig
ENSG00000261115	TMEM178B	transmembrane protein 178B	100507421	155.5556579	-1.273181777	0.894762324	-1.422927343	0.154757219	0.999371363	Not Sig
ENSG00000222267	NA	NA	NA	3.370658774	-1.272876023	1.506241165	-0.845067877	0.398072942	NA	NA
ENSG00000164743	C8orf48	chromosome 8 open reading frame 48	157773	10.16763261	-1.272386513	1.041518571	-1.221664739	0.221834436	0.999371363	Not Sig
ENSG00000127325	BEST3	bestrophin 3	144453	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000135902	CHRND	cholinergic receptor nicotinic delta subunit	1144	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000163705	FANCD20S	FANCD2 opposite strand	115795	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000164106	SCRG1	stimulator of chondrogenesis 1	11341	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000169297	NROB1	nuclear receptor subfamily 0 group B member 1	190	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000200421	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000201318	SNORD114-30	small nucleolar RNA, C/D box 114-30	767611	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000201805	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000203909	DPPA5	developmental pluripotency associated 5	340168	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000212447	SNORD90	small nucleolar RNA, C/D box 90	692206	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000213169	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000214886	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000215834	FMO9P	flavin containing monooxygenase 9 pseudogene	116123	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA

ENSG00000215966	MIR876	microRNA 876	100126310	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000219410	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000221075	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000221786	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000223101	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000226789	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000232215	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000232524	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000233786	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000234030	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000236018	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000238965	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000240093	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000241064	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000242214	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000242423	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000242428	C3orf67-AS1	C3orf67 antisense RNA 1	101929238	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000242894	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000248998	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000250599	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000251239	LOC101927253	uncharacterized LOC101927253	101927253	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000251556	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000255401	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000255817	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000255892	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000256569	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000257761	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000258766	DIO2-AS1	DIO2 antisense RNA 1	100628307	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000259607	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000260288	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000262259	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000263591	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000264224	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000266115	NA	NA	NA	0.60287886	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000266339	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA

ENSG00000267544	NA	NA	NA	0.561540986	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000268126	NA	NA	NA	0.567978522	-1.272295392	4.019229726	-0.316552046	0.751583528	NA	NA
ENSG00000065809	FAM107B	family with sequence similarity 107 member B	83641	5923.918203	-1.272175781	0.750993742	-1.693989855	0.090267211	0.999371363	Not Sig
ENSG00000253475	NA	NA	NA	24.73353118	-1.270825501	0.895491303	-1.419137736	0.155858864	0.999371363	Not Sig
ENSG00000200347	NA	NA	NA	1.122352014	-1.269287074	2.591205269	-0.489844278	0.624244096	NA	NA
ENSG00000230662	NA	NA	NA	1.122352014	-1.269287074	2.591205269	-0.489844278	0.624244096	NA	NA
ENSG00000237632	NA	NA	NA	1.122352014	-1.269287074	2.591205269	-0.489844278	0.624244096	NA	NA
ENSG00000165091	TMC1	transmembrane channel like 1	117531	7.131377809	-1.268727312	1.511079756	-0.839616378	0.401123513	0.999371363	Not Sig
ENSG00000266126	NA	NA	NA	14.26841228	-1.268702372	1.120015026	-1.132754777	0.257317247	0.999371363	Not Sig
ENSG00000257880	NA	NA	NA	3.225275714	-1.264697351	1.676469952	-0.754381163	0.450620379	NA	NA
ENSG00000230148	HOXB-AS1	HOXB cluster antisense RNA 1	100874362	47.06094107	-1.264258377	0.588912945	-2.14676615	0.031811903	0.917856395	Not Sig
ENSG00000134545	KLRC1	killer cell lectin like receptor C1	3821	23.82944422	-1.264156684	0.900415687	-1.40397008	0.160327759	0.999371363	Not Sig
ENSG00000251175	LOC101929529	uncharacterized LOC101929529	101929529	4.95954446	-1.264058296	1.27565908	-0.990906046	0.32173146	NA	NA
ENSG00000222511	NA	NA	NA	7.099921338	-1.263553739	1.506052629	-0.838983787	0.401478407	0.999371363	Not Sig
ENSG00000248795	NA	NA	NA	1.035514588	-1.262829854	2.586242861	-0.48828742	0.625346271	NA	NA
ENSG00000267138	NA	NA	NA	3.214404063	-1.262650085	1.43437613	-0.880278233	0.378708601	NA	NA
ENSG00000226359	NA	NA	NA	4.018882468	-1.261919748	1.479284818	-0.853060703	0.393625642	NA	NA
ENSG00000264572	MIR4296	microRNA 4296	100423041	18.33524639	-1.260918658	0.842428576	-1.496766246	0.134454092	0.999371363	Not Sig
ENSG00000248240	NA	NA	NA	2.621981847	-1.260819012	1.789536409	-0.704550634	0.481089929	NA	NA
ENSG00000125414	MYH2	myosin heavy chain 2	4620	20.51621772	-1.26080244	1.075824856	-1.17194024	0.24122105	0.999371363	Not Sig
ENSG00000148156	ACTL7B	actin like 7B	10880	1.10462782	-1.26073673	2.57071416	-0.490422758	0.623834775	NA	NA
ENSG00000232133	NA	NA	NA	2.009648738	-1.260476746	1.806730344	-0.697656266	0.485392185	NA	NA
ENSG00000119608	PROX2	prospero homeobox 2	283571	5.698950417	-1.260445168	1.361464278	-0.925801131	0.354549339	NA	NA
ENSG00000224255	NA	NA	NA	10.48892841	-1.260333785	0.876349998	-1.438162592	0.150387926	0.999371363	Not Sig
ENSG00000137573	SULF1	sulfatase 1	23213	3864.073023	-1.258593033	0.987627529	-1.274360016	0.202535856	0.999371363	Not Sig
ENSG00000258695	NA	NA	NA	3.408990833	-1.258385622	1.528149562	-0.823470198	0.410240658	NA	NA
ENSG00000197721	CR1L	complement C3b/C4b receptor 1 like	1379	9.930840822	-1.258049329	0.96027765	-1.310089149	0.190165679	0.999371363	Not Sig
ENSG00000254414	NA	NA	NA	21.90456616	-1.257439431	1.163487324	-1.080750434	0.279808142	0.999371363	Not Sig
ENSG00000202187	NA	NA	NA	3.734879613	-1.256809867	1.398832711	-0.898470459	0.368934788	NA	NA
ENSG00000212370	NA	NA	NA	4.702305039	-1.256672713	1.488025047	-0.844523898	0.398376715	NA	NA
ENSG00000173621	LRFN4	leucine rich repeat and fibronectin type III domain containing 4	78999	314.6833865	-1.255237316	0.746164456	-1.682252895	0.092519811	0.999371363	Not Sig
ENSG00000152270	PDE3B	phosphodiesterase 3B	5140	1103.098829	-1.254571139	0.480264925	-2.612248103	0.008994895	0.472053287	Not Sig
ENSG00000221182	NA	NA	NA	1.631955913	-1.252048683	1.881443406	-0.665472413	0.505748383	NA	NA
ENSG00000183308	NA	NA	NA	9.332772997	-1.251933313	1.244248912	-1.006175935	0.314330946	0.999371363	Not Sig
ENSG00000271819	NA	NA	NA	7.931001576	-1.251518905	1.206288693	-1.037495346	0.299505063	0.999371363	Not Sig

ENSG00000210135	NA	NA	NA	4.467691946	-1.251293698	1.7320082	-0.722452525	0.470016303	NA	NA
ENSG00000224005	NA	NA	NA	17.8018196	-1.251178076	1.020025957	-1.226613958	0.219967721	0.999371363	Not Sig
ENSG00000232528	LOC100289473	cytoskeleton associated protein 2-like pseudogene	100289473	7.894529117	-1.250994922	0.993504036	-1.259174474	0.207967319	0.999371363	Not Sig
ENSG00000215142	NA	NA	NA	30.69260896	-1.250965033	1.023561072	-1.222169412	0.221643568	0.999371363	Not Sig
ENSG00000207014	SNORD116-3	small nucleolar RNA, C/D box 116-3	100033415	5.104601792	-1.250246161	1.154427511	-1.083001011	0.278807974	NA	NA
ENSG00000238755	NA	NA	NA	6.005333784	-1.249024923	1.250779275	-0.998597393	0.317989764	NA	NA
ENSG00000199881	NA	NA	NA	6.878177801	-1.248824671	1.276954834	-0.977970902	0.328088716	0.999371363	Not Sig
ENSG00000253636	NA	NA	NA	81.5766107	-1.248439546	0.697755062	-1.789223202	0.073578876	0.999371363	Not Sig
ENSG00000201208	NA	NA	NA	10.77719425	-1.247664524	0.842498186	-1.480910637	0.138630388	0.999371363	Not Sig
ENSG00000222974	NA	NA	NA	1.12878955	-1.247577941	2.588855941	-0.481903192	0.629874719	NA	NA
ENSG00000235448	LURAPIL-AS1	LURAPIL antisense RNA 1	101929467	1.12878955	-1.247577941	2.588855941	-0.481903192	0.629874719	NA	NA
ENSG00000239559	NA	NA	NA	1.003316013	-1.245510821	2.638407806	-0.472069108	0.636877461	NA	NA
ENSG00000166856	GPR182	G protein-coupled receptor 182	11318	6.800379616	-1.245341149	1.275319596	-0.976493385	0.328820024	0.999371363	Not Sig
ENSG00000170374	SP7	Sp7 transcription factor	121340	1.019207797	-1.242982901	2.981611683	-0.416882892	0.676764068	NA	NA
ENSG00000237152	DLEU7-AS1	DLEU7 antisense RNA 1	100874074	37.38689412	-1.242730726	0.98158737	-1.266041887	0.205498086	0.999371363	Not Sig
ENSG00000214535	NA	NA	NA	1.638393448	-1.242681842	2.053536685	-0.605142266	0.545084473	NA	NA
ENSG00000251720	NA	NA	NA	1.106045223	-1.242286103	2.596743669	-0.478401514	0.632364456	NA	NA
ENSG00000165591	FAAH2	fatty acid amide hydrolase 2	158584	394.5576549	-1.242129833	0.806834844	-1.539509407	0.123679983	0.999371363	Not Sig
ENSG00000180535	BHLHA15	basic helix-loop-helix family member a15	168620	159.3151046	-1.242005073	1.046628377	-1.186672463	0.235356841	0.999371363	Not Sig
ENSG00000266156	NA	NA	NA	3.089932921	-1.240577836	1.464486158	-0.847107929	0.396934966	NA	NA
ENSG00000225521	NA	NA	NA	18.99681153	-1.240329689	1.093393767	-1.134385184	0.256633011	0.999371363	Not Sig
ENSG00000203876	NA	NA	NA	3.766945146	-1.240207285	1.297301342	-0.955990135	0.339077218	NA	NA
ENSG00000260803	NA	NA	NA	3.174937937	-1.239875568	1.408623265	-0.880203812	0.378748909	NA	NA
ENSG00000249453	NA	NA	NA	0.980571685	-1.238281681	2.60979523	-0.474474651	0.63516147	NA	NA
ENSG00000272175	NA	NA	NA	0.980571685	-1.238281681	2.60979523	-0.474474651	0.63516147	NA	NA
ENSG00000229017	NA	NA	NA	9.263297038	-1.238214981	1.739599803	-0.711781514	0.476600082	0.999371363	Not Sig
ENSG00000173867	NA	NA	NA	12.15972055	-1.237911658	0.907372397	-1.364281813	0.172478888	0.999371363	Not Sig
ENSG00000237373	NA	NA	NA	23.99947269	-1.237263345	1.083741004	-1.141659622	0.253595531	0.999371363	Not Sig
ENSG00000269365	NA	NA	NA	40.45898637	-1.236943824	0.923951727	-1.338753734	0.180650857	0.999371363	Not Sig
ENSG00000236814	NA	NA	NA	2.717260229	-1.235977397	1.607480301	-0.768891162	0.441957924	NA	NA
ENSG00000236095	NA	NA	NA	37.88897419	-1.23518888	1.003348486	-1.23106667	0.21829793	0.999371363	Not Sig
ENSG00000233597	NA	NA	NA	9.0121932	-1.234919659	0.934698995	-1.321195021	0.186436346	0.999371363	Not Sig
ENSG00000266850	LOC101927571	uncharacterized LOC101927571	101927571	8.22053963	-1.234462651	1.278532165	-0.965531165	0.334278834	0.999371363	Not Sig
ENSG00000248727	LINC01948	long intergenic non-protein coding RNA 1948	102467147	23.67277599	-1.233961899	0.869850316	-1.41859108	0.156018268	0.999371363	Not Sig
ENSG00000264429	MIR3183	microRNA 3183	100422835	6.498535936	-1.233265363	1.21942621	-1.011348905	0.311849467	NA	NA

ENSG00000096696	DSP	desmoplakin	1832	6783.541491	-1.232907226	0.871006877	-1.415496546	0.15692296	0.999371363	Not Sig
ENSG00000258643	BCL2L2-PABPN1	BCL2L2-PABPN1 readthrough	100529063	11.7159584	-1.231892844	0.848491218	-1.45186281	0.146539755	0.999371363	Not Sig
ENSG00000251023	NA	NA	NA	48.62742467	-1.231065571	0.885432364	-1.390355289	0.164421016	0.999371363	Not Sig
ENSG00000266939	NA	NA	NA	1.606194873	-1.230515008	2.041758035	-0.602674257	0.54672541	NA	NA
ENSG00000254460	NA	NA	NA	2.098074577	-1.229906611	1.835699297	-0.669993508	0.502861929	NA	NA
ENSG00000151773	CCDC122	coiled-coil domain containing 122	160857	148.2167646	-1.228494865	0.815944022	-1.505611698	0.132166884	0.999371363	Not Sig
ENSG00000233016	SNHG7	small nucleolar RNA host gene 7	84973	775.2058155	-1.228058656	0.572182216	-2.146271977	0.031851286	0.917856395	Not Sig
ENSG00000008300	CELSR3	cadherin EGF LAG seven-pass G-type receptor 3	1951	267.9598324	-1.227945463	0.718971861	-1.707918669	0.087651435	0.999371363	Not Sig
ENSG00000187699	C2orf88	chromosome 2 open reading frame 88	84281	72.69060854	-1.227286624	0.815833213	-1.504335206	0.132495079	0.999371363	Not Sig
ENSG00000158825	CDA	cytidine deaminase	978	37.20123332	-1.226900622	0.824258644	-1.488489845	0.136621758	0.999371363	Not Sig
ENSG00000224985	NA	NA	NA	2.718677631	-1.226100492	1.570544313	-0.780685067	0.434987746	NA	NA
ENSG00000235833	NA	NA	NA	30.26900898	-1.225820028	1.196834564	-1.024218438	0.305732112	0.999371363	Not Sig
ENSG00000227536	NA	NA	NA	17.17134286	-1.225674359	0.787372939	-1.556663049	0.119550506	0.999371363	Not Sig
ENSG00000234626	NA	NA	NA	17.12747328	-1.225465944	0.991856386	-1.235527604	0.21663421	0.999371363	Not Sig
ENSG00000223356	NA	NA	NA	7.412020855	-1.224393956	1.136951059	-1.076909992	0.281520479	0.999371363	Not Sig
ENSG00000176124	DLEU1	deleted in lymphocytic leukemia 1 (non-protein coding)	10301	606.7112048	-1.223608379	1.025569554	-1.19310131	0.232829698	0.999371363	Not Sig
ENSG00000136379	ABHD17C	abhydrolase domain containing 17C	58489	1432.031473	-1.222835087	0.72511693	-1.686397099	0.09171934	0.999371363	Not Sig
ENSG00000264845	LOC105372179	uncharacterized LOC105372179	105372179	6.300772221	-1.221879555	1.203376183	-1.015376216	0.309926526	NA	NA
ENSG00000113389	NPR3	natriuretic peptide receptor 3	4883	596.9939764	-1.221154218	0.601396429	-2.03053121	0.042302572	0.999371363	Not Sig
ENSG00000272477	NA	NA	NA	21.5618425	-1.220902332	1.180827658	-1.033937784	0.30116525	0.999371363	Not Sig
ENSG00000216331	NA	NA	NA	4.470626808	-1.220394025	1.712622695	-0.712587792	0.476100868	NA	NA
ENSG00000115942	ORC2	origin recognition complex subunit 2	4999	1056.501203	-1.220380122	0.685144429	-1.781201263	0.074879577	0.999371363	Not Sig
ENSG00000196867	ZFP28	ZFP28 zinc finger protein	140612	240.777321	-1.219665976	0.518945085	-2.350279463	0.018759321	0.698923444	Not Sig
ENSG00000261359	PYCARD-AS1	PYCARD antisense RNA 1	100652740	11.02450976	-1.219304258	0.951913361	-1.280898355	0.200229371	0.999371363	Not Sig
ENSG00000186973	FAM183A	family with sequence similarity 183 member A	440585	84.02038738	-1.218811835	1.09683411	-1.111208909	0.266478437	0.999371363	Not Sig
ENSG00000040731	CDH10	cadherin 10	1008	5.161449016	-1.218016081	1.796317212	-0.678062913	0.497731805	NA	NA
ENSG00000196550	FAM72C	family with sequence similarity 72 member C	554282	33.87340172	-1.21798439	0.798557416	-1.52523083	0.127201534	0.999371363	Not Sig
ENSG00000196550	FAM72D	family with sequence similarity 72 member D	728833	33.87340172	-1.21798439	0.798557416	-1.52523083	0.127201534	0.999371363	Not Sig
ENSG00000196550	FAM72A	family with sequence similarity 72 member A	729533	33.87340172	-1.21798439	0.798557416	-1.52523083	0.127201534	0.999371363	Not Sig
ENSG00000263338	NA	NA	NA	11.27285235	-1.216760247	1.452739745	-0.837562441	0.402276495	0.999371363	Not Sig
ENSG00000207701	MIR597	microRNA 597	693182	5.323035341	-1.215040391	1.189402617	-1.021555169	0.306991485	NA	NA
ENSG00000207988	MIR576	microRNA 576	693161	11.68500746	-1.213771341	1.024685044	-1.184531137	0.236202878	0.999371363	Not Sig
ENSG00000204904	LINC01545	long intergenic non-protein coding RNA 1545	724087	3.397107259	-1.213611371	1.561829974	-0.777044487	0.437132524	NA	NA
ENSG00000273189	NA	NA	NA	2.684646645	-1.213508243	1.650513476	-0.735230739	0.462198981	NA	NA
ENSG00000214124	NA	NA	NA	3.813314051	-1.212765588	1.82891637	-0.663106093	0.507262609	NA	NA

ENSG00000265943	NA	NA	NA	6.84197778	-1.212199697	1.011166479	-1.198813174	0.230600599	0.999371363	Not Sig
ENSG00000200385	NA	NA	NA	10.48222132	-1.211790475	1.143236835	-1.059964513	0.289160744	0.999371363	Not Sig
ENSG00000226124	FTCDNL1	formiminotransferase cyclodeaminase N-terminal like	348751	59.48849073	-1.211693157	0.834705248	-1.451641953	0.146601187	0.999371363	Not Sig
ENSG00000212567	NA	NA	NA	17.17341514	-1.210893322	0.92473858	-1.309443931	0.190384019	0.999371363	Not Sig
ENSG00000253166	NA	NA	NA	3.493398934	-1.20920047	1.973211876	-0.612808226	0.540003151	NA	NA
ENSG00000226784	PGAM4	phosphoglycerate mutase family member 4	441531	0.964264894	-1.209127548	2.616888007	-0.462047877	0.644046987	NA	NA
ENSG00000196860	TOMM20L	translocase of outer mitochondrial membrane 20 like	387990	5.734515155	-1.208747943	1.211674596	-0.997584621	0.318480821	NA	NA
ENSG00000261315	NA	NA	NA	13.51492721	-1.208278624	1.098651326	-1.099783521	0.271426454	0.999371363	Not Sig
ENSG00000151005	TKTL2	transketolase like 2	84076	0.987009221	-1.208248248	2.325351535	-0.519598104	0.60334372	NA	NA
ENSG00000214216	IQCJ	IQ motif containing J	654502	0.987009221	-1.208248248	2.325351535	-0.519598104	0.60334372	NA	NA
ENSG00000263475	NA	NA	NA	0.987009221	-1.208248248	2.325351535	-0.519598104	0.60334372	NA	NA
ENSG00000167780	SOAT2	sterol O-acyltransferase 2	8435	5.658427235	-1.207511629	1.391960724	-0.867489728	0.385673738	NA	NA
ENSG00000207336	NA	NA	NA	5.212596382	-1.205704399	1.604240151	-0.751573509	0.452307579	NA	NA
ENSG00000268529	NA	NA	NA	4.421777386	-1.205593099	1.9029463	-0.633540263	0.526380897	NA	NA
ENSG00000213420	GPC2	glypican 2	221914	30.84212511	-1.204182763	0.708072951	-1.70064788	0.089009128	0.999371363	Not Sig
ENSG00000177202	SPACA4	sperm acrosome associated 4	171169	1.980455977	-1.204050113	1.824828526	-0.659815482	0.509372247	NA	NA
ENSG00000221448	NA	NA	NA	1.683163043	-1.203233123	2.283023257	-0.527034983	0.598169295	NA	NA
ENSG00000206961	NA	NA	NA	1.080284183	-1.202292497	2.568337932	-0.468120835	0.639698181	NA	NA
ENSG00000125247	TMTC4	transmembrane and tetratricopeptide repeat containing 4	84899	650.1335119	-1.201433142	0.65773866	-1.826611714	0.067758171	0.999371363	Not Sig
ENSG00000204164	NA	NA	NA	107.8827562	-1.200807745	0.639692954	-1.877162689	0.0604958	0.999371363	Not Sig
ENSG00000207697	MIR573	microRNA 573	693158	13.94371621	-1.200713525	0.898966585	-1.335659796	0.181660496	0.999371363	Not Sig
ENSG00000263963	MIR4461	microRNA 4461	100616209	6.325339431	-1.200423413	1.258449791	-0.95389059	0.340139027	NA	NA
ENSG00000261574	NA	NA	NA	44.14307262	-1.200046156	0.760199443	-1.578593838	0.114429249	0.999371363	Not Sig
ENSG00000203896	LIME1	Lck interacting transmembrane adaptor 1	54923	49.66577794	-1.199840971	0.68067426	-1.762724171	0.077947022	0.999371363	Not Sig
ENSG00000113209	PCDHB5	protocadherin beta 5	26167	121.2982568	-1.199581524	0.71056197	-1.688215207	0.091369925	0.999371363	Not Sig
ENSG00000199047	MIR378A	microRNA 378a	494327	3.544349919	-1.199339464	1.969435164	-0.608976363	0.542540106	NA	NA
ENSG00000249637	NA	NA	NA	11.9631479	-1.198832612	0.924249658	-1.297087428	0.194601107	0.999371363	Not Sig
ENSG00000156795	WDYHV1	WDYHV motif containing 1	55093	258.29436	-1.198824732	0.714108803	-1.678770415	0.093196797	0.999371363	Not Sig
ENSG00000230084	NA	NA	NA	11.42238591	-1.19760919	0.922064981	-1.298833829	0.194000962	0.999371363	Not Sig
ENSG00000254132	NA	NA	NA	2.17646015	-1.196912971	1.697373461	-0.705155936	0.4807132	NA	NA
ENSG00000157483	MYO1E	myosin IE	4643	2723.629541	-1.196668906	0.644944333	-1.855460766	0.063530457	0.999371363	Not Sig
ENSG00000199202	NA	NA	NA	3.850168944	-1.196396088	1.649805364	-0.72517408	0.468345242	NA	NA
ENSG00000269867	NA	NA	NA	5.349665734	-1.195729728	1.133535228	-1.054867726	0.291485825	NA	NA
ENSG00000260224	NA	NA	NA	4.010115665	-1.194809648	1.365336377	-0.875102772	0.381517989	NA	NA
ENSG00000234424	NA	NA	NA	4.200268319	-1.194235948	1.198081956	-0.996789862	0.31886652	NA	NA

ENSG00000248734	NA	NA	NA	32.07027412	-1.194218374	0.676829954	-1.764428963	0.077659785	0.999371363	Not Sig
ENSG00000243410	NA	NA	NA	9.207849848	-1.193989387	0.97259034	-1.227638541	0.219582687	0.999371363	Not Sig
ENSG00000141096	DPEP3	dipeptidase 3	64180	3.982704123	-1.193755431	1.649518052	-0.723699525	0.469250225	NA	NA
ENSG00000198915	RASGEF1A	RasGEF domain family member 1A	221002	297.2410188	-1.19354112	0.898558449	-1.328284344	0.18408419	0.999371363	Not Sig
ENSG00000185296	NA	NA	NA	0.993446757	-1.193365187	2.603563334	-0.458358424	0.646694956	NA	NA
ENSG00000265855	MIR4514	microRNA 4514	100616181	0.993446757	-1.193365187	2.603563334	-0.458358424	0.646694956	NA	NA
ENSG00000248724	NPHP3-AS1	NPHP3 antisense RNA 1	348808	6.353984141	-1.193363518	1.029030001	-1.159697498	0.246171989	NA	NA
ENSG00000243251	NA	NA	NA	2.518937686	-1.19309138	1.843457667	-0.647203026	0.517500553	NA	NA
ENSG00000106328	FSCN3	fascin actin-bundling protein 3	29999	7.780654013	-1.192937296	1.218671077	-0.978883735	0.32763743	0.999371363	Not Sig
ENSG00000235616	NA	NA	NA	2.865201231	-1.192540927	1.979397488	-0.602476731	0.546856848	NA	NA
ENSG00000206921	NA	NA	NA	5.430187769	-1.192024896	1.256878211	-0.948401273	0.342925212	NA	NA
ENSG00000155265	GOLGA7B	golgin A7 family member B	401647	190.7642311	-1.190723859	0.8708122	-1.367371586	0.171508864	0.999371363	Not Sig
ENSG00000243508	NA	NA	NA	52.98709921	-1.189853763	0.781845303	-1.521853183	0.128045872	0.999371363	Not Sig
ENSG00000264354	MIR3134	microRNA 3134	100422990	8.742573347	-1.189125529	1.302568385	-0.91290833	0.361290756	0.999371363	Not Sig
ENSG00000137261	KIAA0319	KIAA0319	9856	110.4804952	-1.188645533	1.002880799	-1.185231121	0.235926078	0.999371363	Not Sig
ENSG00000072182	ASIC4	acid sensing ion channel subunit family member 4	55515	17.97872385	-1.188448098	1.269317785	-0.936288857	0.349124484	0.999371363	Not Sig
ENSG00000142178	SIK1	salt inducible kinase 1	150094	5074.870432	-1.187139285	0.585897864	-2.026188109	0.042745512	0.999371363	Not Sig
ENSG00000259738	NA	NA	NA	0.947958102	-1.187120352	3.065929632	-0.387197521	0.698609986	NA	NA
ENSG00000169436	COL22A1	collagen type XXII alpha 1 chain	169044	65.24326025	-1.186963871	0.893299328	-1.328741479	0.183933275	0.999371363	Not Sig
ENSG00000120658	ENOX1	ecto-NOX disulfide-thiol exchanger 1	55068	64.28337703	-1.186090163	0.518938456	-2.285608531	0.022277171	0.760261273	Not Sig
ENSG00000149646	CNBD2	cyclic nucleotide binding domain containing 2	140894	4.085666433	-1.186040761	1.220502191	-0.971764549	0.331167696	NA	NA
ENSG00000125772	GPCPD1	glycerophosphocholine phosphodiesterase 1	56261	4649.491685	-1.185670541	0.721825841	-1.64259919	0.100465888	0.999371363	Not Sig
ENSG00000157884	CIB4	calcium and integrin binding family member 4	130106	4.166652341	-1.185655743	1.504134586	-0.788264397	0.430542068	NA	NA
ENSG00000227009	NA	NA	NA	3.058603698	-1.185568328	1.637839742	-0.723861009	0.46915107	NA	NA
ENSG00000264881	MIR1273D	microRNA 1273d	100422970	1.649132057	-1.184835649	2.031189855	-0.583320976	0.559677244	NA	NA
ENSG00000256361	NA	NA	NA	28.73521498	-1.184736727	0.84366255	-1.404277964	0.160236094	0.999371363	Not Sig
ENSG00000269421	NA	NA	NA	3.536131165	-1.184596777	1.649009484	-0.718368687	0.472529989	NA	NA
ENSG00000178826	TMEM139	transmembrane protein 139	135932	138.6359901	-1.183818112	0.941301191	-1.257640087	0.208521949	0.999371363	Not Sig
ENSG00000264327	NA	NA	NA	8.149667945	-1.183684882	1.339661231	-0.883570305	0.376928215	0.999371363	Not Sig
ENSG00000102837	OLFM4	olfactomedin 4	10562	3.654630015	-1.183579672	1.531746054	-0.772699671	0.439700141	NA	NA
ENSG00000229953	NA	NA	NA	99.33123125	-1.181829275	1.106050807	-1.068512647	0.285289329	0.999371363	Not Sig
ENSG00000215237	NA	NA	NA	1.633240273	-1.181123609	2.243340817	-0.526502081	0.598539406	NA	NA
ENSG00000233644	NA	NA	NA	1.633240273	-1.181123609	2.243340817	-0.526502081	0.598539406	NA	NA
ENSG00000206878	NA	NA	NA	1.086721718	-1.180718167	2.565901359	-0.460157271	0.645403339	NA	NA
ENSG00000216168	NA	NA	NA	1.086721718	-1.180718167	2.565901359	-0.460157271	0.645403339	NA	NA

ENSG00000238679	NA	NA	NA	1.086721718	-1.180718167	2.565901359	-0.460157271	0.645403339	NA	NA
ENSG00000264834	MIR1273F	microRNA 1273f	100616156	1.086721718	-1.180718167	2.565901359	-0.460157271	0.645403339	NA	NA
ENSG00000200750	NA	NA	NA	0.970702429	-1.180508646	2.330279816	-0.506595233	0.612438854	NA	NA
ENSG00000256706	NA	NA	NA	0.970702429	-1.180508646	2.330279816	-0.506595233	0.612438854	NA	NA
ENSG00000265298	LOC101929240	U5 small nuclear ribonucleoprotein 200 kDa helicase pseudogene	101929240	0.970702429	-1.180508646	2.330279816	-0.506595233	0.612438854	NA	NA
ENSG00000238329	NA	NA	NA	13.34814009	-1.179982894	1.20964866	-0.975475717	0.329324341	0.999371363	Not Sig
ENSG00000238835	SCARNA18	small Cajal body-specific RNA 18	677765	5.821454008	-1.179776957	1.527923229	-0.772144133	0.440029066	NA	NA
ENSG00000232901	NA	NA	NA	3.99079216	-1.179723654	1.398531854	-0.843544358	0.398924069	NA	NA
ENSG00000115607	IL18RAP	interleukin 18 receptor accessory protein	8807	52.21251878	-1.178570807	0.968611898	-1.216762678	0.223694524	0.999371363	Not Sig
ENSG00000198477	NA	NA	NA	68.05331007	-1.177876192	0.934939737	-1.259841833	0.207726425	0.999371363	Not Sig
ENSG00000231916	NA	NA	NA	2.016955626	-1.177544647	1.902116142	-0.619070845	0.535869689	NA	NA
ENSG00000256325	NA	NA	NA	27.91264114	-1.177129058	0.872089202	-1.349780567	0.17708638	0.999371363	Not Sig
ENSG00000178055	PRSS42	protease, serine 42	339906	18.99020186	-1.176796859	1.010628799	-1.164420468	0.244253657	0.999371363	Not Sig
ENSG00000268484	NA	NA	NA	5.131504622	-1.176510688	1.206905033	-0.974816291	0.329651395	NA	NA
ENSG00000201988	NA	NA	NA	18.73209035	-1.176458591	0.75483397	-1.55856604	0.119099126	0.999371363	Not Sig
ENSG00000230633	NA	NA	NA	20.5305038	-1.176282424	0.81368278	-1.445627772	0.148281633	0.999371363	Not Sig
ENSG00000183066	WBP2NL	WBP2 N-terminal like	164684	58.90532204	-1.176102084	0.516324124	-2.277836788	0.022736304	0.765556876	Not Sig
ENSG00000202314	SNORD6	small nucleolar RNA, C/D box 6	692075	14.06160173	-1.175888627	1.150635137	-1.021947435	0.30680578	0.999371363	Not Sig
ENSG00000248919	ATP5J2-PTCD1	ATP5J2-PTCD1 readthrough	100526740	5.255560757	-1.175804881	1.371010405	-0.857619225	0.391102756	NA	NA
ENSG00000221241	SNORD88A	small nucleolar RNA, C/D box 88A	692202	3.945303506	-1.175534586	1.384767621	-0.848903865	0.395934788	NA	NA
ENSG00000271452	NA	NA	NA	20.21625555	-1.174907079	0.751250663	-1.563934832	0.117832873	0.999371363	Not Sig
ENSG00000200075	NA	NA	NA	16.16547316	-1.174185452	1.220918205	-0.961723273	0.336188629	0.999371363	Not Sig
ENSG00000224346	NA	NA	NA	1.063977391	-1.174079803	2.299780785	-0.510518138	0.609688511	NA	NA
ENSG00000267901	NA	NA	NA	1.063977391	-1.174079803	2.299780785	-0.510518138	0.609688511	NA	NA
ENSG00000250615	NA	NA	NA	3.518406971	-1.173673847	1.383384674	-0.848407438	0.396211102	NA	NA
ENSG00000124212	PTGIS	prostaglandin I2 synthase	5740	1202.567796	-1.172885637	0.618498545	-1.896343407	0.05791465	0.999371363	Not Sig
ENSG00000233688	NA	NA	NA	2.448872295	-1.172013512	2.085765071	-0.561910605	0.574176928	NA	NA
ENSG00000137077	CCL21	C-C motif chemokine ligand 21	6366	600.1859763	-1.17134212	0.573461805	-2.042580882	0.041093945	0.999371363	Not Sig
ENSG00000231369	NA	NA	NA	3.096824802	-1.170129761	1.707800908	-0.685167549	0.493238199	NA	NA
ENSG00000259398	NA	NA	NA	25.90593278	-1.169927716	0.86361202	-1.354691329	0.175515922	0.999371363	Not Sig
ENSG00000252614	NA	NA	NA	8.963169179	-1.168757626	1.069676878	-1.092626802	0.27455769	0.999371363	Not Sig
ENSG00000272918	NA	NA	NA	30.81618862	-1.168091262	0.835618113	-1.397876906	0.162150035	0.999371363	Not Sig
ENSG00000254733	NA	NA	NA	2.408940925	-1.167840484	1.662238832	-0.702570811	0.482323258	NA	NA
ENSG00000266710	NA	NA	NA	2.157136645	-1.166776257	1.825556928	-0.639134414	0.522735494	NA	NA
ENSG00000263897	MIR4669	microRNA 4669	100616236	8.524903298	-1.16655702	1.082541389	-1.077609625	0.281208005	0.999371363	Not Sig

ENSG00000141748	ARL5C	ADP ribosylation factor like GTPase 5C	390790	0.977139965	-1.16414319	2.610491795	-0.445947845	0.65563492	NA	NA
ENSG00000257815	LINC01481	long intergenic non-protein coding RNA 1481	101928062	33.44404201	-1.16260583	0.617032158	-1.884190014	0.059539278	0.999371363	Not Sig
ENSG00000184414	NA	NA	NA	6.097591028	-1.162403653	1.039877974	-1.117826978	0.263640897	NA	NA
ENSG00000271757	NA	NA	NA	3.590355008	-1.16232902	1.430338369	-0.812625212	0.416432972	NA	NA
ENSG00000173805	HAP1	huntingtin associated protein 1	9001	23.07519782	-1.161757474	1.215809814	-0.95554211	0.339303621	0.999371363	Not Sig
ENSG00000199740	NA	NA	NA	1.525075922	-1.161742407	1.973843345	-0.588568698	0.556150637	NA	NA
ENSG00000273035	NA	NA	NA	24.11686495	-1.161243246	1.112288213	-1.044012903	0.29647942	0.999371363	Not Sig
ENSG00000234134	NA	NA	NA	9.454308147	-1.161224559	0.941822968	-1.232954173	0.217592862	0.999371363	Not Sig
ENSG00000207923	MIR559	microRNA 559	693144	13.71218441	-1.160908597	1.205394662	-0.963094191	0.335500257	0.999371363	Not Sig
ENSG00000226212	NA	NA	NA	2.664604081	-1.15999287	1.651480869	-0.702395584	0.482432498	NA	NA
ENSG00000269696	NA	NA	NA	15.16507215	-1.158079595	0.792359871	-1.461557606	0.143862479	0.999371363	Not Sig
ENSG00000212135	SNORD67	small nucleolar RNA, C/D box 67	692108	3.182062917	-1.158057194	1.431593994	-0.808928508	0.41855627	NA	NA
ENSG00000259232	NA	NA	NA	18.09302899	-1.15790358	0.81707828	-1.417126863	0.15644584	0.999371363	Not Sig
ENSG00000239608	RUVBL1-AS1	RUVBL1 antisense RNA 1	100874089	5.3905886	-1.157511792	1.218231785	-0.950157274	0.342032345	NA	NA
ENSG00000232727	NA	NA	NA	0.954395638	-1.157441539	2.659858261	-0.435151585	0.663452402	NA	NA
ENSG00000231145	NA	NA	NA	1.986174453	-1.156010829	1.808342059	-0.639265577	0.522650178	NA	NA
ENSG00000259881	LOC101927793	uncharacterized LOC101927793	101927793	4.326285481	-1.155030029	1.90407193	-0.606610502	0.544109429	NA	NA
ENSG00000198886	ND4	NADH dehydrogenase, subunit 4 (complex I)	4538	119208.521	-1.154309419	0.860275544	-1.341790345	0.179663984	0.999371363	Not Sig
ENSG00000207605	MIR191	microRNA 191	406966	1.070414927	-1.154191576	2.297549412	-0.502357673	0.615415947	NA	NA
ENSG00000224864	NA	NA	NA	1.515621674	-1.154149558	2.368502101	-0.487290916	0.626052185	NA	NA
ENSG00000252379	NA	NA	NA	1.515621674	-1.154149558	2.368502101	-0.487290916	0.626052185	NA	NA
ENSG00000105792	CFAP69	cilia and flagella associated protein 69	79846	289.7890907	-1.154030511	0.639563127	-1.804404385	0.071167936	0.999371363	Not Sig
ENSG00000183117	CSMD1	CUB and Sushi multiple domains 1	64478	45.04428004	-1.153788191	1.080935581	-1.067397735	0.285792271	0.999371363	Not Sig
ENSG00000222726	NA	NA	NA	6.602274851	-1.153610447	1.413327873	-0.81623696	0.414364622	0.999371363	Not Sig
ENSG00000273240	NA	NA	NA	2.867022743	-1.153056758	1.66330442	-0.693232546	0.488163627	NA	NA
ENSG00000237818	NA	NA	NA	5.668973038	-1.152938118	1.310452734	-0.879801375	0.378966919	NA	NA
ENSG00000269534	NA	NA	NA	1.632825266	-1.152838504	2.334178659	-0.493894715	0.621380537	NA	NA
ENSG00000229358	NA	NA	NA	209.6450449	-1.151400821	0.848962935	-1.356243922	0.175021571	0.999371363	Not Sig
ENSG00000235065	NA	NA	NA	1.656986995	-1.151074919	2.286921835	-0.503329367	0.614732723	NA	NA
ENSG00000268172	NA	NA	NA	94.39273899	-1.150927536	0.906044035	-1.270277704	0.203985727	0.999371363	Not Sig
ENSG00000250432	LINC01598	long intergenic non-protein coding RNA 1598	105379478	6.248184928	-1.149706733	1.435700122	-0.800798659	0.423248215	NA	NA
ENSG00000271347	NA	NA	NA	71.71381157	-1.149184536	0.783262601	-1.46717657	0.142328029	0.999371363	Not Sig
ENSG00000242539	NA	NA	NA	21.01934015	-1.148586848	0.836403894	-1.373244262	0.169676424	0.999371363	Not Sig
ENSG00000253559	NA	NA	NA	11.73160907	-1.148299931	0.940775981	-1.220588062	0.222242029	0.999371363	Not Sig
ENSG00000255089	NA	NA	NA	2.015356316	-1.148120984	1.639039583	-0.700483988	0.483625101	NA	NA

ENSG00000252233	NA	NA	NA	16.57586982	-1.147164669	0.933003577	-1.229539411	0.218869631	0.999371363	Not Sig
ENSG00000207352	NA	NA	NA	7.391028337	-1.146792234	1.407716082	-0.814647392	0.415274175	0.999371363	Not Sig
ENSG00000231964	LOC102724323	uncharacterized LOC102724323	102724323	3.029410937	-1.146565901	1.621106626	-0.707273589	0.479396475	NA	NA
ENSG00000268265	NA	NA	NA	1.0476706	-1.146118607	2.580222112	-0.444193778	0.65690249	NA	NA
ENSG00000232021	LEF1-AS1	LEF1 antisense RNA 1	641518	8.593054429	-1.145991496	0.909870401	-1.259510689	0.207845932	0.999371363	Not Sig
ENSG00000229789	NA	NA	NA	104.7984981	-1.145778809	0.537604416	-2.131267481	0.033067112	0.944249768	Not Sig
ENSG00000216204	NA	NA	NA	2.234104815	-1.145548621	1.886688826	-0.607174117	0.543735367	NA	NA
ENSG00000242028	HYPK	huntingtin interacting protein K	25764	141.183667	-1.145364466	0.491675782	-2.329511659	0.019831976	0.711521581	Not Sig
ENSG00000200563	NA	NA	NA	3.386779233	-1.145184968	1.632027078	-0.701694833	0.482869496	NA	NA
ENSG00000201435	NA	NA	NA	16.02424724	-1.144967382	1.114688307	-1.027163715	0.304343381	0.999371363	Not Sig
ENSG00000250343	NA	NA	NA	12.13568924	-1.144632453	1.471411449	-0.777914603	0.436619359	0.999371363	Not Sig
ENSG00000244349	NA	NA	NA	4.286790795	-1.144388924	1.555832672	-0.735547559	0.462006087	NA	NA
ENSG00000252512	NA	NA	NA	0.944941389	-1.144193991	2.664774519	-0.429377414	0.667648588	NA	NA
ENSG00000235529	AGAP1-IT1	AGAP1 intronic transcript 1	100506749	67.09376218	-1.143388295	0.664401251	-1.720930377	0.085263459	0.999371363	Not Sig
ENSG00000105663	NA	NA	NA	21.7565503	-1.143318299	0.960822809	-1.189936675	0.234071282	0.999371363	Not Sig
ENSG00000221159	NA	NA	NA	8.106936963	-1.143291866	1.111357538	-1.028734523	0.303604443	0.999371363	Not Sig
ENSG00000089351	GRAMD1A	GRAM domain containing 1A	57655	2934.349377	-1.142674583	0.515433699	-2.216918654	0.026628651	0.841215479	Not Sig
ENSG00000204965	PCDHA5	protocadherin alpha 5	56143	20.13668801	-1.142442114	0.777122936	-1.470091875	0.141536873	0.999371363	Not Sig
ENSG00000196290	NIF3L1	NGG1 interacting factor 3 like 1	60491	487.7104761	-1.142165115	0.696582033	-1.639670649	0.101073665	0.999371363	Not Sig
ENSG00000206699	NA	NA	NA	4.429573519	-1.140920502	1.623315808	-0.702833359	0.482159606	NA	NA
ENSG00000221320	NA	NA	NA	4.7184146	-1.138015922	1.350000521	-0.842974431	0.399242744	NA	NA
ENSG00000104427	ZC2HC1A	zinc finger C2HC-type containing 1A	51101	509.3333397	-1.137971245	0.714033483	-1.593722524	0.110998197	0.999371363	Not Sig
ENSG00000221100	NA	NA	NA	10.7099787	-1.137708054	1.125107982	-1.011198989	0.3119212	0.999371363	Not Sig
ENSG00000249906	LOC100288866	uncharacterized LOC100288866	100288866	0.960833173	-1.137492455	3.057626129	-0.372018163	0.709879326	NA	NA
ENSG00000253133	NA	NA	NA	0.960833173	-1.137492455	3.057626129	-0.372018163	0.709879326	NA	NA
ENSG00000272402	NA	NA	NA	2.068162756	-1.136520678	1.868845322	-0.60814058	0.54309424	NA	NA
ENSG00000216205	NA	NA	NA	5.772522735	-1.135036304	1.20354878	-0.943074616	0.345642738	NA	NA
ENSG00000254821	NA	NA	NA	2.460148055	-1.134153703	1.48609984	-0.763174635	0.445359254	NA	NA
ENSG00000226147	NA	NA	NA	1.163689889	-1.133959971	2.947161279	-0.38476346	0.700412673	NA	NA
ENSG00000253286	NA	NA	NA	1.163689889	-1.133959971	2.947161279	-0.38476346	0.700412673	NA	NA
ENSG00000271970	NA	NA	NA	1.038216351	-1.133185186	2.62252941	-0.432096274	0.665671443	NA	NA
ENSG00000223208	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA
ENSG00000240294	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA
ENSG00000252400	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA
ENSG00000253789	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA

ENSG00000256192	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA
ENSG00000263829	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA
ENSG00000263888	NA	NA	NA	0.519473154	-1.132880183	3.702751865	-0.305956279	0.759637935	NA	NA
ENSG00000253356	NA	NA	NA	1.139528159	-1.132823145	2.932505844	-0.386298683	0.699275476	NA	NA
ENSG00000213177	NA	NA	NA	0.52591069	-1.132733231	3.688389857	-0.307107783	0.758761334	NA	NA
ENSG00000228948	NA	NA	NA	0.52591069	-1.132733231	3.688389857	-0.307107783	0.758761334	NA	NA
ENSG00000241243	NA	NA	NA	0.52591069	-1.132733231	3.688389857	-0.307107783	0.758761334	NA	NA
ENSG00000248245	NA	NA	NA	0.52591069	-1.132733231	3.688389857	-0.307107783	0.758761334	NA	NA
ENSG00000248576	NA	NA	NA	0.52591069	-1.132733231	3.688389857	-0.307107783	0.758761334	NA	NA
ENSG00000257222	NA	NA	NA	0.52591069	-1.132733231	3.688389857	-0.307107783	0.758761334	NA	NA
ENSG00000205022	PABPN1L	poly(A) binding protein nuclear 1 like, cytoplasmic	390748	1.399187377	-1.132504026	2.390107573	-0.47382973	0.635621332	NA	NA
ENSG00000213260	NA	NA	NA	1.399187377	-1.132504026	2.390107573	-0.47382973	0.635621332	NA	NA
ENSG00000267672	NA	NA	NA	18.10417819	-1.132382054	0.785906689	-1.440860688	0.149624044	0.999371363	Not Sig
ENSG00000152214	RIT2	Ras like without CAAX 2	6014	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000196115	ADAM5	ADAM metalloproteinase domain 5 (pseudogene)	255926	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000200528	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000222168	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000224366	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000243025	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000255520	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000264650	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000267582	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000271490	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000272656	NA	NA	NA	0.560811028	-1.131951369	3.6148508	-0.313139167	0.754174933	NA	NA
ENSG00000213077	FAM106A	family with sequence similarity 106 member A	80039	52.28785163	-1.13186526	0.730070482	-1.550350668	0.121057372	0.999371363	Not Sig
ENSG00000213077	FAM106CP	family with sequence similarity 106 member C, pseudogene	100129396	52.28785163	-1.13186526	0.730070482	-1.550350668	0.121057372	0.999371363	Not Sig
ENSG00000213077	FAM106B	family with sequence similarity 106 member B	100996259	52.28785163	-1.13186526	0.730070482	-1.550350668	0.121057372	0.999371363	Not Sig
ENSG00000255221	CARD17	caspase recruitment domain family member 17	440068	5.171061278	-1.129856554	1.516311258	-0.745134977	0.456190127	NA	NA
ENSG00000254793	NA	NA	NA	1.515206666	-1.129574964	1.840602568	-0.613698461	0.539414605	NA	NA
ENSG00000242818	NA	NA	NA	3.146432621	-1.128890195	1.398393929	-0.807276241	0.419507349	NA	NA
ENSG00000196557	CACNA1H	calcium voltage-gated channel subunit alpha H	8912	1017.348934	-1.128723066	0.881841329	-1.279961632	0.20055863	0.999371363	Not Sig
ENSG00000187736	NHEJ1	non-homologous end joining factor 1	79840	21.15529032	-1.12850942	0.916211635	-1.231712606	0.218056459	0.999371363	Not Sig
ENSG00000252602	NA	NA	NA	3.391617458	-1.12813239	1.735421581	-0.650062442	0.515651889	NA	NA
ENSG00000213613	NA	NA	NA	58.55357336	-1.127027047	0.554324973	-2.033152218	0.042037147	0.999371363	Not Sig
ENSG00000167748	KLK1	kallikrein 1	3816	8.821455377	-1.126829044	1.187634942	-0.948800852	0.342721909	0.999371363	Not Sig

ENSG00000260917	LOC103344931	uncharacterized LOC103344931	103344931	134.6369459	-1.126296799	0.468743196	-2.40280138	0.016270022	0.654298425	Not Sig
ENSG00000237481	NA	NA	NA	18.66805174	-1.12619442	0.837799084	-1.344229711	0.178874117	0.999371363	Not Sig
ENSG00000207725	MIR222	microRNA 222	407007	2.68533409	-1.124651049	1.676779729	-0.670720805	0.502398407	NA	NA
ENSG00000259726	NA	NA	NA	210.5120658	-1.124552901	0.722627817	-1.556199298	0.119660708	0.999371363	Not Sig
ENSG00000254996	ANKHD1-EIF4EBP3	ANKHD1-EIF4EBP3 readthrough	404734	76.53482783	-1.124347883	0.712092742	-1.578934621	0.114351054	0.999371363	Not Sig
ENSG00000260816	NA	NA	NA	27.70212943	-1.124052843	1.022064496	-1.099786606	0.271425109	0.999371363	Not Sig
ENSG00000183091	NEB	nebulin	4703	337.4048884	-1.123848459	0.540277844	-2.080130568	0.037513558	0.999371363	Not Sig
ENSG00000095587	TLL2	tolloid like 2	7093	16.94471909	-1.123830947	1.536601977	-0.731374139	0.464550657	0.999371363	Not Sig
ENSG00000206969	NA	NA	NA	3.491069666	-1.123593535	2.31882701	-0.484552547	0.627993781	NA	NA
ENSG00000199483	NA	NA	NA	1.391150531	-1.123225984	2.742317662	-0.409590034	0.682106709	NA	NA
ENSG00000228238	NA	NA	NA	1.391150531	-1.123225984	2.742317662	-0.409590034	0.682106709	NA	NA
ENSG00000250420	AACSP1	acetoacetyl-CoA synthetase pseudogene 1	729522	8.119120165	-1.122858933	0.981816741	-1.143654295	0.252767035	0.999371363	Not Sig
ENSG00000253348	NA	NA	NA	2.512954496	-1.122338759	1.760277425	-0.637591975	0.523739321	NA	NA
ENSG00000234999	NA	NA	NA	17.15922727	-1.12169644	0.9098535	-1.232831923	0.217638479	0.999371363	Not Sig
ENSG00000203443	NA	NA	NA	38.94179292	-1.121565219	0.919975224	-1.21912546	0.222796578	0.999371363	Not Sig
ENSG00000256694	NA	NA	NA	25.38315419	-1.121173775	1.054083896	-1.063647571	0.287488384	0.999371363	Not Sig
ENSG00000231981	NA	NA	NA	34.85552866	-1.121015106	0.720498948	-1.555887221	0.119734913	0.999371363	Not Sig
ENSG00000206698	NA	NA	NA	5.230720261	-1.120707026	1.323399863	-0.846839309	0.397084695	NA	NA
ENSG00000202382	NA	NA	NA	9.127092495	-1.120543649	0.962437639	-1.164276628	0.244311925	0.999371363	Not Sig
ENSG00000075073	TACR2	tachykinin receptor 2	6865	10.64492669	-1.120007838	1.024722417	-1.092986568	0.274399697	0.999371363	Not Sig
ENSG00000253552	NA	NA	NA	150.4134918	-1.119727683	0.722986152	-1.548753984	0.121440871	0.999371363	Not Sig
ENSG00000200419	NA	NA	NA	4.635878247	-1.119685706	1.163306585	-0.96250268	0.335797157	NA	NA
ENSG00000188848	BEND4	BEN domain containing 4	389206	23.74608625	-1.119116615	1.185016152	-0.944389334	0.34497073	0.999371363	Not Sig
ENSG00000273219	NA	NA	NA	8.930491407	-1.118740482	1.203590394	-0.929502667	0.352628644	0.999371363	Not Sig
ENSG00000105146	AURKC	aurora kinase C	6795	17.73977006	-1.118383425	0.713964424	-1.56644139	0.11724532	0.999371363	Not Sig
ENSG00000225015	NA	NA	NA	5.863428135	-1.118309996	1.350944823	-0.827798425	0.407784667	NA	NA
ENSG00000226499	NA	NA	NA	2.872741219	-1.118109177	1.518268942	-0.736436837	0.461464894	NA	NA
ENSG00000101489	CELF4	CUGBP Elav-like family member 4	56853	36.11122099	-1.117514007	0.809958718	-1.379717241	0.167673722	0.999371363	Not Sig
ENSG00000145014	TMEM44	transmembrane protein 44	93109	415.8392276	-1.117444355	0.568409662	-1.965913722	0.049308578	0.999371363	Not Sig
ENSG00000187762	NA	NA	NA	28.73188758	-1.116804544	0.643518617	-1.735465787	0.082658336	0.999371363	Not Sig
ENSG00000215146	LOC441666	zinc finger protein 91 pseudogene	441666	136.2585179	-1.116443294	0.769015966	-1.451781683	0.146562318	0.999371363	Not Sig
ENSG00000248506	NA	NA	NA	1.405624913	-1.116382087	2.389137705	-0.467274065	0.640303809	NA	NA
ENSG00000253173	NA	NA	NA	1.405624913	-1.116382087	2.389137705	-0.467274065	0.640303809	NA	NA
ENSG00000248780	NA	NA	NA	15.95020412	-1.11615673	0.978871395	-1.140248592	0.254182748	0.999371363	Not Sig
ENSG00000104290	FZD3	frizzled class receptor 3	7976	516.2049332	-1.115965285	0.836317409	-1.334380073	0.182079327	0.999371363	Not Sig

ENSG00000251739	NA	NA	NA	6.827915231	-1.115220793	1.074147052	-1.03825273	0.29915241	0.999371363	Not Sig
ENSG00000086991	NOX4	NADPH oxidase 4	50507	157.2135019	-1.115220793	0.641561342	-1.738291759	0.082159418	0.999371363	Not Sig
ENSG00000265413	NA	NA	NA	34.30690885	-1.113860771	0.994976336	-1.119484685	0.262933421	0.999371363	Not Sig
ENSG00000204978	ERICH4	glutamate rich 4	100170765	0.928634598	-1.113567007	2.633466823	-0.422852112	0.672403164	NA	NA
ENSG00000225992	NA	NA	NA	0.928634598	-1.113567007	2.633466823	-0.422852112	0.672403164	NA	NA
ENSG00000232709	NA	NA	NA	0.928634598	-1.113567007	2.633466823	-0.422852112	0.672403164	NA	NA
ENSG00000262151	NA	NA	NA	0.928634598	-1.113567007	2.633466823	-0.422852112	0.672403164	NA	NA
ENSG00000267449	NA	NA	NA	0.928634598	-1.113567007	2.633466823	-0.422852112	0.672403164	NA	NA
ENSG00000228203	RNF144A-AS1	RNF144A antisense RNA 1	386597	19.85863878	-1.112855343	0.980391704	-1.135112974	0.256327986	0.999371363	Not Sig
ENSG00000265526	MIR4304	microRNA 4304	100422931	3.472188359	-1.112455745	1.28317688	-0.866954325	0.385967036	NA	NA
ENSG00000104722	NEFM	neurofilament medium	4741	1.418914991	-1.112213836	2.706025775	-0.411013763	0.681062443	NA	NA
ENSG00000126217	MCF2L	MCF.2 cell line derived transforming sequence like	23263	1406.641922	-1.112156575	0.467869522	-2.377065662	0.017450981	0.670000634	Not Sig
ENSG00000215795	NA	NA	NA	20.20735033	-1.111974424	1.209321154	-0.919502996	0.357832539	0.999371363	Not Sig
ENSG00000264947	MIR3181	microRNA 3181	100422972	9.727921846	-1.111446562	1.355015588	-0.820246329	0.412075696	0.999371363	Not Sig
ENSG00000228350	CELSR3-AS1	CELSR3 antisense RNA 1 (head to head)	102724368	2.006904462	-1.111358385	1.936089647	-0.574022172	0.565952798	NA	NA
ENSG00000111291	GPRC5D	G protein-coupled receptor class C group 5 member D	55507	1.044653887	-1.111355111	2.619853202	-0.424205108	0.671416236	NA	NA
ENSG00000186652	PRG2	proteoglycan 2, pro eosinophil major basic protein	5553	1.044653887	-1.111355111	2.619853202	-0.424205108	0.671416236	NA	NA
ENSG00000136153	LMO7	LIM domain 7	4008	11044.99101	-1.111202997	0.705719772	-1.574566904	0.115356447	0.999371363	Not Sig
ENSG00000207550	MIR99B	microRNA 99b	407056	12.34611355	-1.108260733	0.986666397	-1.123237537	0.261336624	0.999371363	Not Sig
ENSG00000255893	NA	NA	NA	66.05779158	-1.10809988	1.016056722	-1.090588601	0.275453948	0.999371363	Not Sig
ENSG00000249465	NA	NA	NA	2.895070539	-1.107908106	1.432328703	-0.773501294	0.439225763	NA	NA
ENSG00000233873	NA	NA	NA	0.90589027	-1.107579478	3.095949825	-0.357751107	0.720529583	NA	NA
ENSG00000267600	NA	NA	NA	0.90589027	-1.107579478	3.095949825	-0.357751107	0.720529583	NA	NA
ENSG00000268903	NA	NA	NA	0.90589027	-1.107579478	3.095949825	-0.357751107	0.720529583	NA	NA
ENSG00000206052	DOK6	docking protein 6	220164	217.7718843	-1.107110612	0.722926791	-1.531428392	0.125663552	0.999371363	Not Sig
ENSG00000262322	NA	NA	NA	1.826488022	-1.107080256	2.567668642	-0.431161653	0.666350834	NA	NA
ENSG00000236349	NA	NA	NA	3.604099432	-1.106252505	1.494548116	-0.740191964	0.459183523	NA	NA
ENSG00000271698	NA	NA	NA	1.147383097	-1.106029311	2.954823761	-0.374313123	0.70817137	NA	NA
ENSG00000248874	C5orf17	chromosome 5 open reading frame 17 (putative)	439936	6.299584743	-1.105036666	1.245838985	-0.886981929	0.37508863	NA	NA
ENSG00000206644	NA	NA	NA	2.567715491	-1.104635459	1.792162434	-0.616370167	0.537650238	NA	NA
ENSG00000140323	DISP2	dispatched RND transporter family member 2	85455	34.68645534	-1.104438615	0.969643982	-1.139014562	0.25469708	0.999371363	Not Sig
ENSG00000212389	NA	NA	NA	7.359362488	-1.104374401	1.514430618	-0.729234069	0.465858495	0.999371363	Not Sig
ENSG00000198727	CYTb	cytochrome b	4519	48902.10004	-1.102986456	0.825007402	-1.336941285	0.181241803	0.999371363	Not Sig
ENSG00000207525	NA	NA	NA	12.08148539	-1.102857386	0.90604617	-1.217219852	0.223520579	0.999371363	Not Sig
ENSG00000119986	AVPI1	arginine vasopressin induced 1	60370	478.8556049	-1.102552006	0.518979374	-2.124462093	0.033631523	0.949600368	Not Sig

ENSG00000198488	B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	192134	328.9591158	-1.102323678	1.443132604	-0.76384088	0.444962072	0.999371363	Not Sig
ENSG00000014914	MTMR11	myotubularin related protein 11	10903	520.2959332	-1.101105086	0.511188498	-2.1540099	0.031239396	0.912173933	Not Sig
ENSG00000228363	NA	NA	NA	2.527246969	-1.101097425	1.499845512	-0.734140561	0.462863075	NA	NA
ENSG00000167711	SERPINF2	serpin family F member 2	5345	134.3636611	-1.10101181	0.663587685	-1.659180596	0.097079406	0.999371363	Not Sig
ENSG00000200769	NA	NA	NA	11.31337939	-1.100791621	1.020611001	-1.078561392	0.2807833	0.999371363	Not Sig
ENSG00000224660	SH3BP5-AS1	SH3BP5 antisense RNA 1	100505696	684.5055886	-1.100458098	0.687472234	-1.600730974	0.109436518	0.999371363	Not Sig
ENSG00000198650	TAT	tyrosine aminotransferase	6898	8.442911406	-1.100432147	1.248298606	-0.881545603	0.378022583	0.999371363	Not Sig
ENSG00000229587	NA	NA	NA	15.22306474	-1.100281418	0.972752937	-1.131100587	0.258012757	0.999371363	Not Sig
ENSG00000248477	NA	NA	NA	7.636356714	-1.100098101	1.015088359	-1.083746151	0.278477367	0.999371363	Not Sig
ENSG00000144218	AFF3	AF4/FMR2 family member 3	3899	639.5444462	-1.099568972	1.113580833	-0.987417293	0.32343811	0.999371363	Not Sig
ENSG00000102003	SYP	synaptophysin	6855	80.38859338	-1.099565132	0.891954363	-1.232759408	0.21766554	0.999371363	Not Sig
ENSG00000227953	NA	NA	NA	56.44219931	-1.099188232	0.770766272	-1.426097992	0.153840058	0.999371363	Not Sig
ENSG00000239627	NA	NA	NA	50.16874841	-1.098517647	0.66580536	-1.649908086	0.098961737	0.999371363	Not Sig
ENSG00000230849	NA	NA	NA	2.739557933	-1.098107619	2.044977861	-0.536977754	0.59128298	NA	NA
ENSG00000107281	NPDC1	neural proliferation, differentiation and control 1	56654	1311.675994	-1.098079091	0.851408648	-1.289720387	0.197147759	0.999371363	Not Sig
ENSG00000225623	AGBL4-IT1	AGBL4 intronic transcript 1	100874313	10.64078334	-1.097723957	1.154813553	-0.950563798	0.341825853	0.999371363	Not Sig
ENSG00000252328	NA	NA	NA	4.773922804	-1.097363448	1.423085161	-0.771115797	0.440638298	NA	NA
ENSG00000227382	NA	NA	NA	14.57637492	-1.095470024	0.992656207	-1.103574447	0.269777781	0.999371363	Not Sig
ENSG00000228962	HCG23	HLA complex group 23 (non-protein coding)	414764	3.538284878	-1.095246588	1.602162927	-0.683605	0.494224626	NA	NA
ENSG00000165113	GKAP1	G kinase anchoring protein 1	80318	181.3880333	-1.095114458	0.533609224	-2.052277975	0.040142655	0.999371363	Not Sig
ENSG00000254577	NA	NA	NA	47.52606911	-1.094987789	0.798323913	-1.371608406	0.170185376	0.999371363	Not Sig
ENSG00000229127	NA	NA	NA	106.3086602	-1.094580334	0.660805094	-1.656434467	0.097633866	0.999371363	Not Sig
ENSG00000262038	NA	NA	NA	14.9887078	-1.094040228	1.014168197	-1.078756198	0.280696426	0.999371363	Not Sig
ENSG00000270808	NA	NA	NA	3.121673976	-1.093905737	1.734703135	-0.630601119	0.528301367	NA	NA
ENSG00000222421	NA	NA	NA	4.759779664	-1.093383218	1.287714126	-0.84908847	0.395832066	NA	NA
ENSG00000266340	NA	NA	NA	1.972873477	-1.093133738	1.889670815	-0.578478394	0.56294118	NA	NA
ENSG00000120784	ZFP30	ZFP30 zinc finger protein	22835	301.6184497	-1.092578944	0.505864892	-2.159823621	0.030786326	0.910075605	Not Sig
ENSG00000204683	C10orf113	chromosome 10 open reading frame 113	387638	36.06179799	-1.091928902	0.614274703	-1.777590543	0.075471128	0.999371363	Not Sig
ENSG00000204314	PRRT1	proline rich transmembrane protein 1	80863	46.42595551	-1.091902258	0.809345676	-1.349117306	0.177299291	0.999371363	Not Sig
ENSG00000204314	LOC100507547	uncharacterized LOC100507547	100507547	46.42595551	-1.091902258	0.809345676	-1.349117306	0.177299291	0.999371363	Not Sig
ENSG00000165511	NA	NA	NA	33.32028731	-1.091891823	0.846434242	-1.289990136	0.197054083	0.999371363	Not Sig
ENSG00000117335	CD46	CD46 molecule	4179	12630.74247	-1.091284269	0.737841594	-1.479022432	0.139134319	0.999371363	Not Sig
ENSG00000214711	CAPN14	calpain 14	440854	11.93301371	-1.09109091	1.019744685	-1.069964792	0.284635157	0.999371363	Not Sig
ENSG00000165028	NIPSNAP3B	nipsnap homolog 3B	55335	60.94373728	-1.090479934	0.700448463	-1.556831075	0.119510597	0.999371363	Not Sig
ENSG00000207726	MIR455	microRNA 455	619556	0.935072133	-1.090458082	3.035728671	-0.359208019	0.719439478	NA	NA

ENSG00000135048	TMEM2	transmembrane protein 2	23670	5059.108174	-1.088729552	0.42168604	-2.581848697	0.009827266	0.491090314	Not Sig
ENSG00000213669	NA	NA	NA	1.028347095	-1.08855406	2.309021501	-0.47143522	0.637329969	NA	NA
ENSG00000251661	NA	NA	NA	41.53356322	-1.088442752	0.664548829	-1.637867233	0.101449393	0.999371363	Not Sig
ENSG00000136010	ALDH1L2	aldehyde dehydrogenase 1 family member L2	160428	287.5619389	-1.086048568	0.582659245	-1.863951491	0.062328517	0.999371363	Not Sig
ENSG00000162782	TDRD5	tudor domain containing 5	163589	65.86185136	-1.084668257	1.416980426	-0.765478646	0.443986578	0.999371363	Not Sig
ENSG00000140564	FURIN	furin, paired basic amino acid cleaving enzyme	5045	7053.803544	-1.084284301	0.567549623	-1.910466077	0.05607323	0.999371363	Not Sig
ENSG00000229372	SZT2-AS1	SZT2 antisense RNA 1	100873952	9.848846844	-1.084253005	0.942791277	-1.150045649	0.25012507	0.999371363	Not Sig
ENSG00000240344	PPIL3	peptidylprolyl isomerase like 3	53938	359.6035221	-1.083815562	0.737610218	-1.469360831	0.141734945	0.999371363	Not Sig
ENSG00000197927	NA	NA	NA	68.4899151	-1.083648957	0.585969791	-1.849325638	0.064410806	0.999371363	Not Sig
ENSG00000197497	ZNF665	zinc finger protein 665	79788	84.68890542	-1.083365102	0.521483705	-2.077466833	0.037758493	0.999371363	Not Sig
ENSG00000201264	SNORD73B	small nucleolar RNA, C/D box U73B (pseudogene)	114655	5.26762402	-1.083130151	1.471604638	-0.7360198	0.461718648	NA	NA
ENSG00000047457	CP	ceruloplasmin	1356	8296.847688	-1.08293966	1.194617617	-0.906515729	0.364662943	0.999371363	Not Sig
ENSG00000165349	SLC7A3	solute carrier family 7 member 3	84889	0.912327806	-1.082710156	2.680695091	-0.403891572	0.686292454	NA	NA
ENSG00000223500	NA	NA	NA	0.912327806	-1.082710156	2.680695091	-0.403891572	0.686292454	NA	NA
ENSG00000091513	TF	transferrin	7018	34.45757942	-1.082647382	0.992462666	-1.090869631	0.275330252	0.999371363	Not Sig
ENSG00000234523	NA	NA	NA	7.977612273	-1.082268333	1.065794702	-1.015456665	0.309888194	0.999371363	Not Sig
ENSG00000200879	SNORD14E	small nucleolar RNA, C/D box 14E	85391	5.447763598	-1.081870836	1.081965925	-0.999912114	0.317353041	NA	NA
ENSG00000234741	GAS5	growth arrest specific 5 (non-protein coding)	60674	1791.767172	-1.081054289	0.674345745	-1.603115755	0.1089091	0.999371363	Not Sig
ENSG00000203431	NA	NA	NA	1.935654768	-1.079523862	1.914693868	-0.563810163	0.572883335	NA	NA
ENSG00000244701	NA	NA	NA	73.94716456	-1.07919594	0.487291841	-2.214680916	0.026781974	0.841215479	Not Sig
ENSG00000264535	NA	NA	NA	5.249574098	-1.077670463	1.336767875	-0.806176213	0.420141252	NA	NA
ENSG00000211678	NA	NA	NA	9.499002244	-1.077302948	1.132187149	-0.951523738	0.341338574	0.999371363	Not Sig
ENSG00000230832	NA	NA	NA	2.890454515	-1.077253961	1.776548356	-0.606374691	0.544265971	NA	NA
ENSG00000179979	NA	NA	NA	307.7531394	-1.076361732	0.586773518	-1.834373397	0.066598586	0.999371363	Not Sig
ENSG00000267015	NA	NA	NA	1.404025602	-1.076220592	2.356804452	-0.456643991	0.647926954	NA	NA
ENSG00000196143	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000203457	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000212316	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000214192	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000223442	TH2LCRR	T helper type 2 locus control region associated RNA	101927761	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000224794	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000228986	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000229828	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000235428	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000238025	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA

ENSG00000254503	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000258757	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000259216	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000263515	MIR548AN	microRNA 548an	100616144	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000269804	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000269907	NA	NA	NA	0.503166363	-1.076164374	3.73503019	-0.288127356	0.773249253	NA	NA
ENSG00000124194	GDAP1L1	ganglioside induced differentiation associated protein 1 like 1	78997	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000183571	PGPEP1L	pyroglutamyl-peptidase I-like	145814	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000215024	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000215268	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000223092	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000228487	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000240663	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000260070	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000260922	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000261431	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000271933	NA	NA	NA	0.509603898	-1.076075726	3.719976718	-0.289269479	0.772375167	NA	NA
ENSG00000166268	MYRFL	myelin regulatory factor-like	196446	35.61469446	-1.075821209	0.992999383	-1.083405717	0.278628379	0.999371363	Not Sig
ENSG00000259585	NA	NA	NA	22.12227616	-1.075686095	0.750689264	-1.432931236	0.15187749	0.999371363	Not Sig
ENSG00000136696	IL36B	interleukin 36 beta	27177	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000176269	OR4F21	olfactory receptor family 4 subfamily F member 21	441308	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000215972	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000224195	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000225297	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000230641	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000241582	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000252018	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000254693	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000259876	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000263887	NA	NA	NA	0.544504237	-1.075605203	3.643036826	-0.29524961	0.767803207	NA	NA
ENSG00000166582	CENPV	centromere protein V	201161	105.9343934	-1.0744603	0.528883159	-2.031564594	0.042197754	0.999371363	Not Sig
ENSG00000153233	PTPRR	protein tyrosine phosphatase, receptor type R	5801	15.68987596	-1.073774165	0.811947927	-1.322466787	0.186012762	0.999371363	Not Sig
ENSG00000105193	RPS16	ribosomal protein S16	6217	5732.44035	-1.073581164	0.532266731	-2.016998438	0.043695676	0.999371363	Not Sig
ENSG00000251639	NA	NA	NA	14.21804562	-1.073439984	1.24300262	-0.86358626	0.387815215	0.999371363	Not Sig
ENSG00000243414	TICAM2	toll like receptor adaptor molecule 2	353376	38.24227589	-1.072823266	0.819481485	-1.309148878	0.190483925	0.999371363	Not Sig

ENSG00000211581	MIR765	microRNA 765	768220	3.321956176	-1.072262147	1.319600512	-0.812565725	0.41646709	NA	NA
ENSG00000235369	NA	NA	NA	3.880934794	-1.071704691	1.39177599	-0.770026713	0.441284047	NA	NA
ENSG00000074370	ATP2A3	ATPase sarcoplasmic/endoplasmic reticulum Ca ²⁺ transporting 3	489	1968.281715	-1.071543071	0.626963323	-1.709100088	0.087432411	0.999371363	Not Sig
ENSG00000235090	NA	NA	NA	31.85488843	-1.070117254	0.690905024	-1.548863037	0.121414648	0.999371363	Not Sig
ENSG00000165929	TC2N	tandem C2 domains, nuclear	123036	4161.814637	-1.069528496	0.794872112	-1.345535313	0.178452425	0.999371363	Not Sig
ENSG00000260934	NA	NA	NA	60.82792092	-1.069459184	0.868686307	-1.231122414	0.218277084	0.999371363	Not Sig
ENSG00000243649	CFB	complement factor B	629	121.6433862	-1.069047433	0.933374269	-1.145357728	0.252061001	0.999371363	Not Sig
ENSG00000221808	MIR1256	microRNA 1256	100302155	8.605428218	-1.068825048	0.991790264	-1.077672454	0.281179956	0.999371363	Not Sig
ENSG00000221817	PPP3CB-AS1	PPP3CB antisense RNA 1 (head to head)	101929145	140.760863	-1.068798003	0.558738833	-1.912875818	0.055763952	0.999371363	Not Sig
ENSG00000064886	CHI3L2	chitinase 3 like 2	1117	364.5087063	-1.067718639	0.642887934	-1.660816112	0.096750384	0.999371363	Not Sig
ENSG00000238533	NA	NA	NA	24.88481952	-1.066874209	1.140169765	-0.935715226	0.349419829	0.999371363	Not Sig
ENSG00000235071	NA	NA	NA	1.474556237	-1.06659372	2.396827474	-0.445002292	0.656318097	NA	NA
ENSG00000205217	NA	NA	NA	1.971274166	-1.066519644	2.170910231	-0.491277635	0.623230096	NA	NA
ENSG00000236709	DAPK1-IT1	DAPK1 intronic transcript 1	100506897	44.26825101	-1.065964691	0.711516047	-1.498159733	0.134091755	0.999371363	Not Sig
ENSG00000235141	NA	NA	NA	15.03496738	-1.065526575	1.167668843	-0.912524627	0.361492612	0.999371363	Not Sig
ENSG00000266900	NA	NA	NA	38.54181827	-1.065447421	0.740720629	-1.438393072	0.150322557	0.999371363	Not Sig
ENSG00000251985	NA	NA	NA	3.653707252	-1.064608523	1.869446265	-0.569478002	0.569031795	NA	NA
ENSG00000156787	TBC1D31	TBC1 domain family member 31	93594	321.4388374	-1.064025341	0.669321739	-1.589706833	0.111900903	0.999371363	Not Sig
ENSG00000235963	NA	NA	NA	2.758128435	-1.063974091	1.624830871	-0.65482144	0.512582725	NA	NA
ENSG00000196420	S100A5	S100 calcium binding protein A5	6276	1.363557081	-1.063644094	2.398688613	-0.443427333	0.657456669	NA	NA
ENSG00000177369	FLJ40194	uncharacterized FLJ40194	124871	1.440940259	-1.06340431	2.320517945	-0.458261619	0.646764495	NA	NA
ENSG00000237517	NA	NA	NA	108.730682	-1.063201432	1.068929686	-0.994641131	0.319910835	0.999371363	Not Sig
ENSG00000250474	NA	NA	NA	5.12043574	-1.062876107	1.216679786	-0.87358738	0.382343001	NA	NA
ENSG00000207189	NA	NA	NA	2.143116609	-1.062243604	2.130186246	-0.498662315	0.618017298	NA	NA
ENSG00000165023	DIRAS2	DIRAS family GTPase 2	54769	3.371745904	-1.061548303	1.379486454	-0.769524267	0.441582144	NA	NA
ENSG00000265191	NA	NA	NA	4.335413882	-1.061491005	1.221935659	-0.868696316	0.385013257	NA	NA
ENSG00000201544	SNORA16B	small nucleolar RNA, H/ACA box 16B	692157	14.1011505	-1.06127274	0.817095375	-1.298835819	0.194000279	0.999371363	Not Sig
ENSG00000185864	NPIP4	nuclear pore complex interacting protein family member B4	440345	365.1595292	-1.06124644	0.638421512	-1.662297431	0.096453153	0.999371363	Not Sig
ENSG00000231508	NA	NA	NA	4.419234595	-1.060793583	1.337499492	-0.793116999	0.42770966	NA	NA
ENSG00000139915	MDGA2	MAM domain containing glycosylphosphatidylinositol anchor 2	161357	2.345231219	-1.060565581	2.116027605	-0.501205929	0.616226202	NA	NA
ENSG00000226864	ATE1-AS1	ATE1 antisense RNA 1	100130887	9.895792239	-1.059870203	0.960841769	-1.103064248	0.269999265	0.999371363	Not Sig
ENSG00000165972	CCDC38	coiled-coil domain containing 38	120935	3.793793316	-1.059474449	1.356466543	-0.781054612	0.434770376	NA	NA
ENSG00000115504	EHBPI	EH domain binding protein 1	23301	1353.194552	-1.059466335	0.54008115	-1.961679897	0.049799764	0.999371363	Not Sig
ENSG00000264546	NA	NA	NA	41.26898086	-1.058975201	0.829352175	-1.276870349	0.201648024	0.999371363	Not Sig
ENSG00000213061	NA	NA	NA	1.816618766	-1.058900856	1.918755478	-0.551868577	0.581038399	NA	NA

ENSG00000206989	SNORD63	small nucleolar RNA, C/D box 63	26785	6.724861542	-1.058857234	1.395382804	-0.758829212	0.447954729	0.999371363	Not Sig
ENSG00000259462	CPEB1-AS1	CPEB1 antisense RNA 1	283692	3.841883676	-1.058723492	1.605806727	-0.659309414	0.509697098	NA	NA
ENSG00000226450	NA	NA	NA	35.90022365	-1.058399639	0.779753708	-1.35735121	0.174669643	0.999371363	Not Sig
ENSG00000212374	NA	NA	NA	0.918765342	-1.057767935	3.08693252	-0.342659883	0.731854346	NA	NA
ENSG00000230140	NA	NA	NA	0.918765342	-1.057767935	3.08693252	-0.342659883	0.731854346	NA	NA
ENSG00000269487	NA	NA	NA	0.918765342	-1.057767935	3.08693252	-0.342659883	0.731854346	NA	NA
ENSG00000182502	NA	NA	NA	1.892169534	-1.056704732	1.883342629	-0.56107939	0.574743418	NA	NA
ENSG00000223572	CKMT1A	creatine kinase, mitochondrial 1A	548596	30.31259861	-1.056040219	1.102546077	-0.957819579	0.338153745	0.999371363	Not Sig
ENSG00000258454	NA	NA	NA	6.263202814	-1.055414097	1.044187666	-1.010751354	0.312135452	NA	NA
ENSG00000237827	NA	NA	NA	49.90373141	-1.055099981	0.773404049	-1.364228675	0.172495606	0.999371363	Not Sig
ENSG00000265815	MIR1273G	microRNA 1273g	100616145	2.285157228	-1.054945935	2.079489852	-0.50730997	0.611937344	NA	NA
ENSG00000251988	NA	NA	NA	11.81317709	-1.054823714	1.027290738	-1.026801542	0.304513923	0.999371363	Not Sig
ENSG00000230305	NA	NA	NA	4.168796526	-1.054807064	1.843720135	-0.572108014	0.5672488	NA	NA
ENSG00000200922	NA	NA	NA	4.557583204	-1.054777675	1.410332081	-0.747893131	0.454524621	NA	NA
ENSG00000235821	IFITM4P	interferon induced transmembrane protein 4 pseudogene	340198	9.500225885	-1.054201693	0.972527301	-1.083981593	0.278372961	0.999371363	Not Sig
ENSG00000171320	ESCO2	establishment of sister chromatid cohesion N-acetyltransferase 2	157570	56.60844344	-1.054132641	1.074486504	-0.981057126	0.326564572	0.999371363	Not Sig
ENSG00000273309	NA	NA	NA	2.370577251	-1.053474856	1.602262243	-0.657492155	0.510864513	NA	NA
ENSG00000266040	NA	NA	NA	12.12526031	-1.052764448	0.840797413	-1.252102387	0.210532558	0.999371363	Not Sig
ENSG00000226800	CACTIN-AS1	CACTIN antisense RNA 1	404665	11.31587082	-1.052096019	1.03798681	-1.013592859	0.310777066	0.999371363	Not Sig
ENSG00000259659	NA	NA	NA	36.71811715	-1.051922796	0.782000562	-1.345168848	0.178570714	0.999371363	Not Sig
ENSG00000267199	NA	NA	NA	17.36655357	-1.05162835	0.70734292	-1.48673058	0.137085983	0.999371363	Not Sig
ENSG00000259209	NA	NA	NA	4.534838877	-1.051596281	1.311320413	-0.801936942	0.422589436	NA	NA
ENSG00000062524	LTK	leukocyte receptor tyrosine kinase	4058	132.2488885	-1.051435922	0.834102552	-1.260559531	0.207467587	0.999371363	Not Sig
ENSG00000213172	NA	NA	NA	3.100214009	-1.05142913	1.606024205	-0.654678259	0.512674926	NA	NA
ENSG00000258959	NA	NA	NA	1.434087716	-1.051228578	2.384003101	-0.440951011	0.659248463	NA	NA
ENSG00000206992	NA	NA	NA	6.825869298	-1.050493683	1.442587749	-0.72820089	0.466490621	0.999371363	Not Sig
ENSG00000266922	NA	NA	NA	8.639913548	-1.049612162	0.923601974	-1.136433433	0.25577521	0.999371363	Not Sig
ENSG00000240966	NA	NA	NA	6.457607676	-1.048491861	1.182684998	-0.886535183	0.375329204	NA	NA
ENSG00000234771	NA	NA	NA	241.9761697	-1.048204234	0.729041006	-1.437785016	0.150495062	0.999371363	Not Sig
ENSG00000244257	NA	NA	NA	10.1080923	-1.048101392	1.026345505	-1.02119743	0.30716091	0.999371363	Not Sig
ENSG00000239249	NA	NA	NA	4.262331777	-1.047602825	1.330229374	-0.787535478	0.430968469	NA	NA
ENSG00000197181	PIWIL2	piwi like RNA-mediated gene silencing 2	55124	15.7251967	-1.047299242	0.81335536	-1.287628131	0.197875442	0.999371363	Not Sig
ENSG00000207191	SNORD116-5	small nucleolar RNA, C/D box 116-5	100033417	1.925785512	-1.046096869	1.720130545	-0.608149697	0.543088194	NA	NA
ENSG00000258137	LOC102724050	uncharacterized LOC102724050	102724050	0.989295976	-1.044627405	2.642669361	-0.39529251	0.692627026	NA	NA
ENSG00000105219	CNTD2	cyclin N-terminal domain containing 2	79935	22.36866201	-1.044522515	0.972404863	-1.074164224	0.282749084	0.999371363	Not Sig

ENSG00000200520	NA	NA	NA	6.840161771	-1.044165631	1.605580179	-0.650335402	0.515475594	0.999371363	Not Sig
ENSG00000223584	NA	NA	NA	10.02821975	-1.043731229	0.962597939	-1.084285751	0.278238121	0.999371363	Not Sig
ENSG00000175066	GK5	glycerol kinase 5 (putative)	256356	666.5185836	-1.043568715	0.62865327	-1.66000682	0.09691308	0.999371363	Not Sig
ENSG00000103257	SLC7A5	solute carrier family 7 member 5	8140	1133.771219	-1.0432302	0.804949403	-1.296019595	0.194968734	0.999371363	Not Sig
ENSG00000106025	TSPAN12	tetraspanin 12	23554	652.9456703	-1.043156118	0.641130841	-1.627056524	0.103725093	0.999371363	Not Sig
ENSG00000243071	NA	NA	NA	1.424633467	-1.042727527	2.307586201	-0.451869372	0.65136309	NA	NA
ENSG00000207067	SNORA72	small nucleolar RNA, H/ACA box 72	26775	26.64259939	-1.042331421	0.828499227	-1.258095828	0.208357102	0.999371363	Not Sig
ENSG00000203630	NA	NA	NA	8.82521708	-1.041548346	1.001308795	-1.040186955	0.298253051	0.999371363	Not Sig
ENSG00000036473	OTC	ornithine carbamoyltransferase	5009	5.505175164	-1.041463652	1.773464033	-0.587248251	0.557036991	NA	NA
ENSG00000201047	NA	NA	NA	8.358512398	-1.041369497	1.023720875	-1.017239681	0.309039423	0.999371363	Not Sig
ENSG00000252153	MIR2278	microRNA 2278	100313780	17.87210674	-1.040580049	0.720271692	-1.444704909	0.14854079	0.999371363	Not Sig
ENSG00000239100	NA	NA	NA	19.81847293	-1.040431552	0.854160496	-1.218075007	0.22319547	0.999371363	Not Sig
ENSG00000214264	NA	NA	NA	14.16108192	-1.040176903	0.846798977	-1.228363437	0.219310567	0.999371363	Not Sig
ENSG00000132570	PCBD2	pterin-4 alpha-carbinolamine dehydratase 2	84105	328.605093	-1.039029737	0.666193545	-1.559651462	0.118842268	0.999371363	Not Sig
ENSG00000266072	MIR5693	microRNA 5693	100847003	2.251541249	-1.038901054	1.688870631	-0.615145432	0.538458681	NA	NA
ENSG00000247345	NA	NA	NA	5.332431754	-1.038082281	1.073450772	-0.967051595	0.333518242	NA	NA
ENSG00000232177	NA	NA	NA	5.209532732	-1.03806923	1.428853718	-0.726504902	0.467529304	NA	NA
ENSG00000196876	SCN8A	sodium voltage-gated channel alpha subunit 8	6334	172.567239	-1.038022593	1.082851086	-0.958601424	0.337759575	0.999371363	Not Sig
ENSG00000170681	CAVIN4	caveolae associated protein 4	347273	12.07748615	-1.037787033	0.910096773	-1.140304046	0.254159653	0.999371363	Not Sig
ENSG00000069696	DRD4	dopamine receptor D4	1815	38.92142452	-1.037493914	0.655870811	-1.581857123	0.113682191	0.999371363	Not Sig
ENSG00000221760	MIR548J	microRNA 548j	100313914	8.23120645	-1.037393688	0.93917257	-1.10458261	0.26934049	0.999371363	Not Sig
ENSG00000268279	NA	NA	NA	29.57240465	-1.037349759	0.745382765	-1.391700757	0.164013033	0.999371363	Not Sig
ENSG00000164037	SLC9B1	solute carrier family 9 member B1	150159	18.03494281	-1.037279577	0.811984969	-1.277461549	0.201439347	0.999371363	Not Sig
ENSG00000203819	HIST2H2BC	histone cluster 2 H2B family member c (pseudogene)	337873	36.53663646	-1.037194315	0.907571984	-1.142823196	0.253112006	0.999371363	Not Sig
ENSG00000198888	ND1	NADH dehydrogenase, subunit 1 (complex I)	4535	63660.64338	-1.036850625	0.860511645	-1.204923409	0.228232871	0.999371363	Not Sig
ENSG00000174255	ZNF80	zinc finger protein 80	7634	13.30138681	-1.03683451	1.128016251	-0.919166287	0.358008602	0.999371363	Not Sig
ENSG00000224546	NA	NA	NA	19.1606825	-1.036789444	0.823940923	-1.258329832	0.208272496	0.999371363	Not Sig
ENSG00000172733	PURG	purine rich element binding protein G	29942	6.412167887	-1.035581365	1.216287559	-0.851428067	0.394531606	NA	NA
ENSG00000230666	CEACAM22P	carcinoembryonic antigen related cell adhesion molecule 22, pseudogene	388550	3.043975848	-1.035320783	1.625703351	-0.636844836	0.524225918	NA	NA
ENSG00000218730	NA	NA	NA	5.09049673	-1.035301289	1.240756832	-0.834411113	0.404049357	NA	NA
ENSG00000267249	NA	NA	NA	9.553343807	-1.034424061	0.994335157	-1.040317295	0.298192512	0.999371363	Not Sig
ENSG00000163738	MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2 like	441024	305.8082153	-1.033796489	0.691597936	-1.494794064	0.134968196	0.999371363	Not Sig
ENSG00000273275	NA	NA	NA	3.753142887	-1.03282013	1.309975394	-0.788427122	0.430446911	NA	NA
ENSG00000197905	TEAD4	TEA domain transcription factor 4	7004	253.7021275	-1.032483593	0.732903766	-1.408757386	0.15890692	0.999371363	Not Sig
ENSG00000269906	NA	NA	NA	40.07011046	-1.031965511	0.817972771	-1.261613525	0.207087887	0.999371363	Not Sig

ENSG00000252532	NA	NA	NA	1.524345964	-1.031503849	2.012609793	-0.512520536	0.608286752	NA	NA
ENSG00000261118	NA	NA	NA	4.878185766	-1.031397436	1.151177979	-0.895949588	0.370279688	NA	NA
ENSG00000264616	MIR4755	microRNA 4755	100616434	14.65660602	-1.031300788	0.975763236	-1.056917037	0.290549452	0.999371363	Not Sig
ENSG00000202070	NA	NA	NA	0.979841728	-1.031262461	2.647302188	-0.389552226	0.696867685	NA	NA
ENSG00000228853	NEGR1-IT1	NEGR1 intronic transcript 1	100852409	0.979841728	-1.031262461	2.647302188	-0.389552226	0.696867685	NA	NA
ENSG00000200755	NA	NA	NA	2.686021535	-1.03116318	2.110131559	-0.48867246	0.625073604	NA	NA
ENSG00000238422	NA	NA	NA	4.318946858	-1.030723508	1.933443071	-0.53310259	0.593962566	NA	NA
ENSG00000272870	NA	NA	NA	17.56225908	-1.03051756	0.699210513	-1.473830185	0.140527319	0.999371363	Not Sig
ENSG00000238776	NA	NA	NA	2.786591238	-1.030292742	1.446036808	-0.712494133	0.476158843	NA	NA
ENSG00000057468	MSH4	mutS homolog 4	4438	9.931944364	-1.030156758	1.246658753	-0.826334196	0.408614541	0.999371363	Not Sig
ENSG00000213221	DNLZ	DNL-type zinc finger	728489	12.95607045	-1.03009861	0.942665043	-1.092751469	0.274502935	0.999371363	Not Sig
ENSG00000177103	DSCAML1	DS cell adhesion molecule like 1	57453	69.38692342	-1.030043525	1.028087075	-1.001903	0.316390444	0.999371363	Not Sig
ENSG00000207167	NA	NA	NA	3.551261376	-1.029750096	1.92222057	-0.535708603	0.592159957	NA	NA
ENSG00000149380	P4HA3	prolyl 4-hydroxylase subunit alpha 3	283208	50.86986514	-1.029252506	0.740399806	-1.390130707	0.16448919	0.999371363	Not Sig
ENSG00000078098	FAP	fibroblast activation protein alpha	2191	501.9970837	-1.027986791	0.909766641	-1.129945576	0.258499158	0.999371363	Not Sig
ENSG00000223867	NA	NA	NA	47.64818194	-1.027904418	1.339237809	-0.76752942	0.442766808	0.999371363	Not Sig
ENSG00000114268	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	5210	335.2475005	-1.027778543	0.755842411	-1.359778874	0.17389991	0.999371363	Not Sig
ENSG00000167772	ANGPTL4	angiopoietin like 4	51129	435.234138	-1.027574471	0.774616405	-1.326559139	0.18465456	0.999371363	Not Sig
ENSG00000267595	NA	NA	NA	8.896568201	-1.026660557	0.938226669	-1.094256421	0.273842532	0.999371363	Not Sig
ENSG00000148090	AUH	AU RNA binding methylglutaconyl-CoA hydratase	549	500.7398363	-1.026296091	0.521783299	-1.966900997	0.049194626	0.999371363	Not Sig
ENSG00000182747	SLC35D3	solute carrier family 35 member D3	340146	2.248524536	-1.026204907	1.787939373	-0.573959566	0.565995163	NA	NA
ENSG00000136098	NEK3	NIMA related kinase 3	4752	252.4938543	-1.02541518	0.553196218	-1.853619289	0.063793646	0.999371363	Not Sig
ENSG00000231154	NA	NA	NA	22.05365302	-1.025324939	0.783197421	-1.309152599	0.190482665	0.999371363	Not Sig
ENSG00000255358	NA	NA	NA	19.95057268	-1.02510494	0.742239835	-1.381096637	0.167249249	0.999371363	Not Sig
ENSG00000259415	NA	NA	NA	7.876257952	-1.024628818	0.978587407	-1.047048849	0.295077049	0.999371363	Not Sig
ENSG00000105793	GTPBP10	GTP binding protein 10	85865	426.7002464	-1.024277998	0.663469097	-1.543821715	0.122631529	0.999371363	Not Sig
ENSG00000105793	LOC101927446	uncharacterized LOC101927446	101927446	426.7002464	-1.024277998	0.663469097	-1.543821715	0.122631529	0.999371363	Not Sig
ENSG00000251815	SNORD116-26	small nucleolar RNA, C/D box 116-26	100033438	11.17680535	-1.023102654	1.12902087	-0.906185777	0.36483753	0.999371363	Not Sig
ENSG00000103489	XYLT1	xylosyltransferase 1	64131	833.2247296	-1.023076809	0.470359939	-2.175093419	0.029623117	0.897727832	Not Sig
ENSG00000221521	NA	NA	NA	0.995733512	-1.022731551	2.639766437	-0.387432591	0.69843598	NA	NA
ENSG00000106799	TGFBR1	transforming growth factor beta receptor 1	7046	2881.208532	-1.022713658	0.609994078	-1.676596042	0.093621501	0.999371363	Not Sig
ENSG00000201098	RNY1	RNA, Ro-associated Y1	6084	3.144130543	-1.022410396	1.629638821	-0.627384659	0.530407121	NA	NA
ENSG00000230613	HM13-AS1	HM13 antisense RNA 1	100874042	4.759149764	-1.022144222	1.22161546	-0.836715198	0.402752674	NA	NA
ENSG00000221988	PPT2	palmitoyl-protein thioesterase 2	9374	113.458591	-1.021840017	0.566839581	-1.80269701	0.071435812	0.999371363	Not Sig
ENSG00000252150	NA	NA	NA	22.37503577	-1.021757464	0.64503111	-1.584043697	0.113183775	0.999371363	Not Sig

ENSG00000212125	NA	NA	NA	70.94033379	-1.021439396	0.867920701	-1.176881016	0.239243	0.999371363	Not Sig
ENSG00000168172	HOKK3	hook microtubule tethering protein 3	84376	3281.100696	-1.021189576	0.621226787	-1.64382734	0.100211872	0.999371363	Not Sig
ENSG00000069764	PLA2G10	phospholipase A2 group X	8399	66.26619478	-1.021162682	0.838256004	-1.218199068	0.223148334	0.999371363	Not Sig
ENSG00000248932	LOC100507291	uncharacterized LOC100507291	100507291	96.43617017	-1.020786574	0.569816074	-1.791431692	0.073224047	0.999371363	Not Sig
ENSG00000177350	RPL13AP3	ribosomal protein L13a pseudogene 3	645683	1.446962787	-1.019972344	2.382125219	-0.428177468	0.66852192	NA	NA
ENSG00000163584	RPL22L1	ribosomal protein L22 like 1	200916	257.2161317	-1.019447969	0.666972001	-1.528471912	0.126395412	0.999371363	Not Sig
ENSG00000159167	STC1	stanniocalcin 1	6781	400.7172133	-1.01914628	0.819298641	-1.243925266	0.213527069	0.999371363	Not Sig
ENSG00000269155	NA	NA	NA	20.34073067	-1.018321143	0.692868638	-1.469717473	0.141638288	0.999371363	Not Sig
ENSG00000234585	CCT6P3	chaperonin containing TCP1 subunit 6 pseudogene 3	643180	236.0355073	-1.01789232	0.835106533	-1.218877208	0.222890801	0.999371363	Not Sig
ENSG00000231758	NA	NA	NA	1.982012775	-1.01764931	1.828157905	-0.556652851	0.577764637	NA	NA
ENSG00000187546	AGMO	alkylglycerol monooxygenase	392636	5.877196281	-1.017139148	1.122656158	-0.906011285	0.36492988	NA	NA
ENSG00000176853	FAM91A1	family with sequence similarity 91 member A1	157769	2381.981119	-1.016176148	0.658065885	-1.544186033	0.122543272	0.999371363	Not Sig
ENSG00000258316	NA	NA	NA	5.813541234	-1.015431746	1.145559673	-0.88640668	0.375398421	NA	NA
ENSG00000151687	ANKAR	ankyrin and armadillo repeat containing	150709	344.8797652	-1.015150238	0.625749897	-1.622293894	0.104740435	0.999371363	Not Sig
ENSG00000213842	NA	NA	NA	31.86808792	-1.014964598	0.843171753	-1.203745969	0.228687779	0.999371363	Not Sig
ENSG00000257368	NA	NA	NA	1.991467024	-1.014934154	2.138066806	-0.474697119	0.635002871	NA	NA
ENSG00000267347	NA	NA	NA	24.88513832	-1.014813304	0.877686756	-1.156236319	0.247584508	0.999371363	Not Sig
ENSG00000242683	NA	NA	NA	13.98731432	-1.014007807	0.808630271	-1.253982003	0.209848547	0.999371363	Not Sig
ENSG00000252859	NA	NA	NA	3.617357895	-1.013882423	1.651608809	-0.613875645	0.539297505	NA	NA
ENSG00000203843	NA	NA	NA	3.428975562	-1.013792766	1.565634719	-0.647528286	0.517290094	NA	NA
ENSG00000207092	NA	NA	NA	12.6130675	-1.013497907	0.839706643	-1.206966642	0.227444991	0.999371363	Not Sig
ENSG00000245910	NA	NA	NA	419.9698972	-1.013270459	0.62835635	-1.612572961	0.106837317	0.999371363	Not Sig
ENSG00000167644	C19orf33	chromosome 19 open reading frame 33	64073	7.793283547	-1.01312607	1.091303282	-0.928363441	0.353219076	0.999371363	Not Sig
ENSG00000258297	NA	NA	NA	191.5040904	-1.013119569	0.808126852	-1.253664033	0.209964146	0.999371363	Not Sig
ENSG00000255874	LINC00346	long intergenic non-protein coding RNA 346	283487	17.32659183	-1.013058025	0.854574812	-1.185452707	0.235838503	0.999371363	Not Sig
ENSG00000164825	DEFB1	defensin beta 1	1672	14.69678127	-1.013051613	0.955148986	-1.060621566	0.288861918	0.999371363	Not Sig
ENSG00000233846	NA	NA	NA	1.414764211	-1.012903265	2.077632058	-0.487527741	0.625884388	NA	NA
ENSG00000243675	NA	NA	NA	9.842639233	-1.012703644	0.83842288	-1.207867376	0.22709828	0.999371363	Not Sig
ENSG00000271270	TMCC1-AS1	TMCC1 antisense RNA 1 (head to head)	100507032	25.30936969	-1.012415166	0.69146526	-1.464159118	0.143150478	0.999371363	Not Sig
ENSG00000222014	RAB6C	RAB6C, member RAS oncogene family	84084	1.790442718	-1.011584122	1.826174676	-0.553936124	0.579622562	NA	NA
ENSG00000259512	NA	NA	NA	17.74215795	-1.011334876	0.803166315	-1.259184874	0.207963564	0.999371363	Not Sig
ENSG00000245552	LOC101929295	uncharacterized LOC101929295	101929295	67.06859161	-1.010788857	0.641048645	-1.576774034	0.114847528	0.999371363	Not Sig
ENSG00000234770	NA	NA	NA	9.01029494	-1.009649512	1.123269087	-0.898849193	0.368732994	0.999371363	Not Sig
ENSG00000207554	MIR647	microRNA 647	693232	18.72976948	-1.009441902	0.692605905	-1.457454945	0.14499084	0.999371363	Not Sig
ENSG00000263403	MIR4673	microRNA 4673	100616242	4.129994799	-1.007980359	1.515820837	-0.664973284	0.506067581	NA	NA

ENSG00000040341	STAU2	staufen double-stranded RNA binding protein 2	27067	1306.473915	-1.007934644	0.681138767	-1.479778708	0.138932313	0.999371363	Not Sig
ENSG00000121741	ZMYM2	zinc finger MYM-type containing 2	7750	3735.82694	-1.007406342	0.676530815	-1.489076801	0.136467146	0.999371363	Not Sig
ENSG00000256341	NA	NA	NA	24.62301045	-1.00694504	0.880674243	-1.143379687	0.252880982	0.999371363	Not Sig
ENSG00000258640	NA	NA	NA	24.10998544	-1.006417961	0.797331866	-1.262232208	0.206865242	0.999371363	Not Sig
ENSG00000164744	SUN3	Sad1 and UNC84 domain containing 3	256979	2.653407952	-1.006264641	2.111234969	-0.476623709	0.633630098	NA	NA
ENSG00000266668	MIR5692C2	microRNA 5692c-2	100847017	13.18113655	-1.005173733	0.923797143	-1.088089241	0.276555713	0.999371363	Not Sig
ENSG00000207197	SNORD116-12	small nucleolar RNA, C/D box 116-12	100033424	2.992453768	-1.004405838	1.677585595	-0.598721067	0.549358906	NA	NA
ENSG00000214919	NA	NA	NA	20.90689289	-1.004006611	0.987305383	-1.016915969	0.309193406	0.999371363	Not Sig
ENSG00000175538	KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3	10008	371.50923	-1.003725663	0.540739599	-1.856208915	0.063423786	0.999371363	Not Sig
ENSG00000138411	HECW2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	57520	1975.988094	-1.003578993	0.629816449	-1.59344678	0.111059998	0.999371363	Not Sig
ENSG00000255794	RMST	rhabdomyosarcoma 2 associated transcript (non-protein coding)	196475	109.509107	-1.003432687	1.127896159	-0.889649884	0.373653912	0.999371363	Not Sig
ENSG00000267383	NA	NA	NA	56.64903987	-1.002741395	0.820478774	-1.222141787	0.221654013	0.999371363	Not Sig
ENSG00000220804	NA	NA	NA	95.32558706	-1.002453655	0.58130282	-1.72449474	0.084618568	0.999371363	Not Sig
ENSG00000256546	LOC100506691	uncharacterized LOC100506691	100506691	31.89666105	-1.002293667	0.772212246	-1.297951012	0.194304169	0.999371363	Not Sig
ENSG00000196966	NA	NA	NA	20.86128585	-1.002072636	0.720997701	-1.389841652	0.164576967	0.999371363	Not Sig
ENSG00000251131	NA	NA	NA	11.61132775	-1.001874478	0.989585021	-1.012418799	0.311337854	0.999371363	Not Sig
ENSG00000109452	INPP4B	inositol polyphosphate-4-phosphatase type II B	8821	1179.720438	-1.001278862	0.676254729	-1.480623822	0.138706844	0.999371363	Not Sig
ENSG00000117400	MPL	MPL proto-oncogene, thrombopoietin receptor	4352	9.247260067	-1.001201332	1.09473867	-0.914557382	0.360424041	0.999371363	Not Sig
ENSG00000267543	NA	NA	NA	4.795234406	-1.000777835	1.2920744	-0.774551245	0.438604876	NA	NA
ENSG00000167653	PSCA	prostate stem cell antigen	8000	28.88984619	-1.000645605	0.838086687	-1.193964325	0.232491923	0.999371363	Not Sig
ENSG00000270133	NA	NA	NA	10.67880846	-1.000412921	0.927393673	-1.078735978	0.280705442	0.999371363	Not Sig
ENSG00000198467	TPM2	tropomyosin 2	7169	2422.334791	-0.999440382	0.621887837	-1.607107137	0.108030868	0.999371363	Not Sig
ENSG00000255408	PCDHA3	protocadherin alpha 3	56145	27.5379821	-0.998163359	0.894342596	-1.116086121	0.264385273	0.999371363	Not Sig
ENSG00000203772	SPRN	shadow of prion protein	503542	4.094193493	-0.997950175	1.389579107	-0.718167228	0.472654182	NA	NA
ENSG00000139351	SYCP3	synaptonemal complex protein 3	50511	6.431581921	-0.99709577	1.124127462	-0.886995296	0.375081433	NA	NA
ENSG00000215644	GCGR	glucagon receptor	2642	1.787426005	-0.996981081	1.982116065	-0.502988245	0.614972537	NA	NA
ENSG00000198523	PLN	phospholamban	5350	125.8226334	-0.996627682	0.776000121	-1.284313823	0.199032172	0.999371363	Not Sig
ENSG00000196839	ADA	adenosine deaminase	100	132.6323077	-0.996245225	0.541425485	-1.840041247	0.065762182	0.999371363	Not Sig
ENSG00000233623	NA	NA	NA	17.11827251	-0.996229748	0.788418156	-1.263580425	0.206380663	0.999371363	Not Sig
ENSG00000115414	FN1	fibronectin 1	2335	86343.45388	-0.996118221	0.683494358	-1.457390553	0.145008603	0.999371363	Not Sig
ENSG00000039537	C6	complement C6	729	134.9419582	-0.996018649	1.179187262	-0.844665373	0.398297698	0.999371363	Not Sig
ENSG00000078674	PCM1	pericentriolar material 1	5108	6383.894739	-0.995741668	0.584099938	-1.704745377	0.088241923	0.999371363	Not Sig
ENSG00000118263	KLF7	Kruppel like factor 7	8609	1743.235194	-0.995597746	0.43616254	-2.28263011	0.022452166	0.76210276	Not Sig
ENSG00000250539	NA	NA	NA	108.5956002	-0.994689546	0.552050434	-1.801809192	0.071575431	0.999371363	Not Sig
ENSG00000196873	CBWD3	COBW domain containing 3	445571	72.15420243	-0.993943533	0.649598977	-1.530087899	0.125994973	0.999371363	Not Sig

ENSG00000196873	CBWD6	COBW domain containing 6	644019	72.15420243	-0.993943533	0.649598977	-1.530087899	0.125994973	0.999371363	Not Sig
ENSG00000270704	NA	NA	NA	69.21369616	-0.993628222	0.739328201	-1.343960938	0.178961019	0.999371363	Not Sig
ENSG00000056487	PHF21B	PHD finger protein 21B	112885	9.953167351	-0.993201723	1.124267791	-0.883420953	0.377008874	0.999371363	Not Sig
ENSG00000228057	NA	NA	NA	1.867410889	-0.993165262	1.70523382	-0.582421748	0.560282636	NA	NA
ENSG00000197417	SHPK	sedoheptulokinase	23729	75.20826935	-0.993011993	0.651926528	-1.523196173	0.127709633	0.999371363	Not Sig
ENSG00000233429	HOTAIRM1	HOXA transcript antisense RNA, myeloid-specific 1	100506311	115.4504723	-0.992425974	0.661694099	-1.49982594	0.133659496	0.999371363	Not Sig
ENSG00000201184	NA	NA	NA	2.511627623	-0.992179392	1.618007282	-0.613210709	0.539737025	NA	NA
ENSG00000139998	RAB15	RAB15, member RAS oncogene family	376267	729.2923543	-0.991866658	0.69814571	-1.420715825	0.15539939	0.999371363	Not Sig
ENSG00000221176	MIR1207	microRNA 1207	100302175	10.18878284	-0.991401918	1.32393428	-0.748830159	0.45395958	0.999371363	Not Sig
ENSG00000188649	CC2D2B	coiled-coil and C2 domain containing 2B	387707	7.266626607	-0.991316426	0.987819641	-1.003539902	0.315600435	0.999371363	Not Sig
ENSG00000112773	FAM46A	family with sequence similarity 46 member A	55603	2916.937468	-0.99094697	0.776990925	-1.275364923	0.202180108	0.999371363	Not Sig
ENSG00000238061	NA	NA	NA	18.28499732	-0.990687236	0.870353603	-1.138258327	0.25501263	0.999371363	Not Sig
ENSG00000110675	ELMOD1	ELMO domain containing 1	55531	7.793406649	-0.990363479	0.99833572	-0.992014468	0.321190468	0.999371363	Not Sig
ENSG00000247193	LOC439933	uncharacterized LOC439933	439933	1.398457419	-0.990274699	2.139345014	-0.462886862	0.643445465	NA	NA
ENSG00000270409	NA	NA	NA	1.398457419	-0.990274699	2.139345014	-0.462886862	0.643445465	NA	NA
ENSG00000201801	NA	NA	NA	2.757398477	-0.99025433	1.562046088	-0.633946935	0.526115454	NA	NA
ENSG00000151006	PRSS53	protease, serine 53	339105	38.14148126	-0.989796627	0.79663232	-1.242476111	0.214060949	0.999371363	Not Sig
ENSG00000199730	NA	NA	NA	21.98962531	-0.989788325	0.830372542	-1.191981039	0.23326868	0.999371363	Not Sig
ENSG00000128534	LSM8	LSM8 homolog, U6 small nuclear RNA associated	51691	477.7165283	-0.989455016	0.597303164	-1.656537375	0.097613043	0.999371363	Not Sig
ENSG00000071677	PRLH	prolactin releasing hormone	51052	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000143627	PKLR	pyruvate kinase L/R	5313	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000170468	RIOX1	ribosomal oxygenase 1	79697	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000174930	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000200949	SNORD115-32	small nucleolar RNA, C/D box 115-32	100033806	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000201570	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000201969	SNORD115-20	small nucleolar RNA, C/D box 115-20	100033460	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000202017	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000202189	SNORA30B	small nucleolar RNA, H/ACA box 30B	109616992	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000205867	KRTAP5-2	keratin associated protein 5-2	440021	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000207222	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000207586	MIR135A2	microRNA 135a-2	406926	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000213424	KRT22	keratin 22	125113	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000214917	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000215102	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000215304	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA

ENSG00000218069	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000221183	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000224132	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000224936	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000228612	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000229489	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000231868	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000234123	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000238406	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000239481	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000240487	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000244414	CFHR1	complement factor H related 1	3078	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000248211	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000250039	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000250563	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000252960	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000253297	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000254974	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000258501	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000259155	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000261216	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000261439	DKFZP434H168	uncharacterized LOC26077	26077	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000262147	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000266756	MIR5680	microRNA 5680	100847001	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000269050	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000269810	NA	NA	NA	0.518743197	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000270317	NA	NA	NA	0.483842858	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000270889	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000273331	NA	NA	NA	0.477405323	-0.989071541	4.043156577	-0.244628553	0.806744054	NA	NA
ENSG00000232341	NA	NA	NA	1.345650979	-0.988866872	2.079008838	-0.475643419	0.634328437	NA	NA
ENSG00000138792	ENPEP	glutamyl aminopeptidase	2028	198.3440773	-0.988763633	0.574115412	-1.722238444	0.085026333	0.999371363	Not Sig
ENSG00000221340	NA	NA	NA	7.851626555	-0.988040264	0.937274479	-1.0541632	0.291808205	0.999371363	Not Sig
ENSG00000267707	NA	NA	NA	7.161478969	-0.987976334	1.040197696	-0.949796695	0.342215565	0.999371363	Not Sig
ENSG00000107593	PKD2L1	polycystin 2 like 1, transient receptor potential cation channel	9033	15.20824545	-0.987265469	0.924198351	-1.068239809	0.285412352	0.999371363	Not Sig
ENSG00000013441	CLK1	CDC like kinase 1	1195	3333.225144	-0.986782458	0.626872394	-1.574136089	0.115455991	0.999371363	Not Sig

ENSG00000183111	ARHGEF37	Rho guanine nucleotide exchange factor 37	389337	510.2654975	-0.986723144	0.696141909	-1.417416666	0.156361143	0.999371363	Not Sig
ENSG00000176697	BDNF	brain derived neurotrophic factor	627	50.77316699	-0.986697935	1.109121257	-0.889621336	0.373669246	0.999371363	Not Sig
ENSG00000175202	HIGD2B	HIG1 hypoxia inducible domain family member 2B	123346	1.780573462	-0.986299629	1.920705998	-0.513508902	0.607595385	NA	NA
ENSG00000243518	NA	NA	NA	7.613943738	-0.985222658	1.296039303	-0.760179614	0.447147229	0.999371363	Not Sig
ENSG00000249158	PCDHA11	protocadherin alpha 11	56138	25.81586895	-0.985074787	0.873414077	-1.127843954	0.259385827	0.999371363	Not Sig
ENSG00000269891	ARHGAP19-SLIT1	ARHGAP19-SLIT1 readthrough (NMD candidate)	100533184	4.277726703	-0.985000998	1.305521638	-0.75448845	0.450555978	NA	NA
ENSG00000164241	C5orf63	chromosome 5 open reading frame 63	401207	267.3597667	-0.984319493	0.827720234	-1.189193464	0.234363546	0.999371363	Not Sig
ENSG00000249899	NA	NA	NA	1.416181614	-0.984101158	2.106489453	-0.467175924	0.640374017	NA	NA
ENSG00000262484	CCER2	coiled-coil glutamate rich protein 2	643669	7.34959426	-0.983705126	1.00937071	-0.974572688	0.329772267	0.999371363	Not Sig
ENSG00000264994	SNORD92	small nucleolar RNA, C/D box 92	692209	6.333690936	-0.983207578	1.097306252	-0.896019299	0.370242456	NA	NA
ENSG00000165105	RASEF	RAS and EF-hand domain containing	158158	1819.257741	-0.982941666	0.742478071	-1.323866258	0.185547466	0.999371363	Not Sig
ENSG00000250197	NA	NA	NA	8.184795033	-0.982847745	0.955865239	-1.028228357	0.303842422	0.999371363	Not Sig
ENSG00000198938	COX3	cytochrome c oxidase III	4514	79765.73719	-0.982504686	0.839922641	-1.169756163	0.242099109	0.999371363	Not Sig
ENSG00000120251	GRIA2	glutamate ionotropic receptor AMPA type subunit 2	2891	3.648803468	-0.981893115	1.772915821	-0.553829518	0.579695525	NA	NA
ENSG00000241150	NA	NA	NA	17.46772155	-0.98186839	1.062854914	-0.923802842	0.355588975	0.999371363	Not Sig
ENSG00000273026	NA	NA	NA	6.195491662	-0.981857747	1.306138904	-0.751725367	0.452216232	NA	NA
ENSG00000201003	NA	NA	NA	0.871677377	-0.981820499	3.161214321	-0.310583339	0.756117395	NA	NA
ENSG00000254387	NA	NA	NA	0.871677377	-0.981820499	3.161214321	-0.310583339	0.756117395	NA	NA
ENSG00000242390	NA	NA	NA	1.322906652	-0.981496049	2.082104287	-0.4713962	0.637357829	NA	NA
ENSG00000166123	GPT2	glutamic--pyruvic transaminase 2	84706	834.1642333	-0.981372737	0.914474085	-1.073155328	0.28320143	0.999371363	Not Sig
ENSG00000052802	MSMO1	methylsterol monooxygenase 1	6307	1037.457849	-0.98013827	0.597936865	-1.639200268	0.101171558	0.999371363	Not Sig
ENSG00000272161	NA	NA	NA	0.969972472	-0.980047589	2.612852255	-0.375087258	0.707595573	NA	NA
ENSG00000073910	FRY	FRY microtubule binding protein	10129	2339.369104	-0.979914099	0.578813045	-1.692971688	0.090460856	0.999371363	Not Sig
ENSG00000087495	PHACTR3	phosphatase and actin regulator 3	116154	95.71304528	-0.97990019	0.635828426	-1.541139323	0.123282881	0.999371363	Not Sig
ENSG00000222208	NA	NA	NA	13.71731204	-0.979574345	1.183548839	-0.827658575	0.407863885	0.999371363	Not Sig
ENSG00000263723	NA	NA	NA	3.804339119	-0.97887102	1.332302751	-0.734721159	0.462509332	NA	NA
ENSG00000199165	MIRLET7A1	microRNA let-7a-1	406881	13.6696073	-0.978510161	0.865419214	-1.130677647	0.258190793	0.999371363	Not Sig
ENSG00000238805	NA	NA	NA	8.627390546	-0.97793892	1.386731752	-0.705211313	0.480678742	0.999371363	Not Sig
ENSG00000231177	LINC00852	long intergenic non-protein coding RNA 852	84657	58.35949209	-0.977811131	0.68961872	-1.417901085	0.156219646	0.999371363	Not Sig
ENSG00000145569	FAM105A	family with sequence similarity 105 member A	54491	970.4742723	-0.97724117	0.788717448	-1.239025676	0.21533599	0.999371363	Not Sig
ENSG00000139173	TMEM117	transmembrane protein 117	84216	121.8589063	-0.977068157	0.669614663	-1.459149881	0.14452386	0.999371363	Not Sig
ENSG00000237945	LINC00649	long intergenic non-protein coding RNA 649	100506334	225.7357615	-0.976354876	0.723300491	-1.349860657	0.177060684	0.999371363	Not Sig
ENSG00000236930	NA	NA	NA	1.910763081	-0.976168878	2.113431793	-0.461888045	0.644161608	NA	NA
ENSG00000002933	TMEM176A	transmembrane protein 176A	55365	788.7586676	-0.975449256	0.806606062	-1.209325472	0.226537829	0.999371363	Not Sig
ENSG00000167971	CASKIN1	CASK interacting protein 1	57524	35.96449666	-0.9747651	1.089834687	-0.894415559	0.371099591	0.999371363	Not Sig

ENSG00000252262	NA	NA	NA	4.662284219	-0.974387504	1.514697529	-0.643288502	0.520036916	NA	NA
ENSG00000218428	NA	NA	NA	3.8393725	-0.974188099	1.597348526	-0.609878234	0.541942472	NA	NA
ENSG00000203722	RAET1G	retinoic acid early transcript 1G	353091	12.61357951	-0.973584059	0.901153192	-1.080375754	0.279974888	0.999371363	Not Sig
ENSG00000255642	NA	NA	NA	23.74937232	-0.972884565	0.757710887	-1.283978601	0.199149443	0.999371363	Not Sig
ENSG00000267662	NA	NA	NA	3.302905109	-0.97255878	1.411522425	-0.689014048	0.490814427	NA	NA
ENSG00000179967	NA	NA	NA	58.10325102	-0.97203892	0.619910687	-1.56803059	0.116873994	0.999371363	Not Sig
ENSG00000258944	NA	NA	NA	16.92741667	-0.971695368	0.773567168	-1.256122813	0.209071446	0.999371363	Not Sig
ENSG00000134152	KATNBL1	katanin regulatory subunit B1 like 1	79768	916.264287	-0.970505456	0.745047693	-1.302608498	0.192708455	0.999371363	Not Sig
ENSG00000234026	NA	NA	NA	17.32483877	-0.970295218	0.887524379	-1.093260355	0.274279504	0.999371363	Not Sig
ENSG00000264281	NA	NA	NA	8.446413909	-0.970242958	1.029954511	-0.942025058	0.346179811	0.999371363	Not Sig
ENSG00000248483	POU5F2	POU domain class 5, transcription factor 2	134187	240.6085477	-0.969874161	0.730517184	-1.327654136	0.184292392	0.999371363	Not Sig
ENSG00000254701	NA	NA	NA	99.77407371	-0.969504924	0.600255084	-1.615154872	0.106277716	0.999371363	Not Sig
ENSG00000237492	NA	NA	NA	0.947228144	-0.969452079	2.662211553	-0.364152908	0.71574383	NA	NA
ENSG00000236317	NA	NA	NA	2.230203427	-0.969386563	1.836666509	-0.527796722	0.597640433	NA	NA
ENSG00000229544	NKX1-2	NK1 homeobox 2	390010	1.749792289	-0.969275563	2.237039634	-0.433284931	0.664807784	NA	NA
ENSG00000238286	NA	NA	NA	25.10664614	-0.969269168	0.808289757	-1.199160522	0.230465534	0.999371363	Not Sig
ENSG00000118004	COLEC11	collectin subfamily member 11	78989	37.26501166	-0.96895377	0.619408612	-1.564320792	0.117742252	0.999371363	Not Sig
ENSG00000183298	NA	NA	NA	3.583172192	-0.968639771	1.344916586	-0.720222935	0.471387745	NA	NA
ENSG00000104833	TUBB4A	tubulin beta 4A class IVa	10382	23.50638587	-0.968134954	0.991967362	-0.975974604	0.329077049	0.999371363	Not Sig
ENSG00000265178	MIR4728	microRNA 4728	100616132	2.795315528	-0.967669541	1.398503131	-0.691932338	0.488979821	NA	NA
ENSG00000272148	NA	NA	NA	10.16149991	-0.967267508	0.825571902	-1.171633271	0.241344324	0.999371363	Not Sig
ENSG00000237691	NA	NA	NA	1.404894955	-0.967052772	2.391282436	-0.404407592	0.685913018	NA	NA
ENSG00000180581	NA	NA	NA	5.064266022	-0.967025851	1.251910491	-0.772440089	0.439853818	NA	NA
ENSG00000210194	NA	NA	NA	25.9609452	-0.966485451	0.733138585	-1.318284797	0.187408328	0.999371363	Not Sig
ENSG00000210184	NA	NA	NA	1.319889939	-0.966423345	2.429786428	-0.397740037	0.690821821	NA	NA
ENSG00000107262	BAG1	BCL2 associated athanogene 1	573	2014.047699	-0.965739661	0.580602022	-1.663341883	0.096244019	0.999371363	Not Sig
ENSG00000116017	ARID3A	AT-rich interaction domain 3A	1820	592.4378988	-0.964404335	0.554146511	-1.740341796	0.081799019	0.999371363	Not Sig
ENSG00000206601	NA	NA	NA	8.973754149	-0.963898593	1.002067685	-0.961909667	0.336094982	0.999371363	Not Sig
ENSG00000269189	NA	NA	NA	65.1706108	-0.963403337	0.652159124	-1.477251949	0.139608113	0.999371363	Not Sig
ENSG00000264580	MIR5692B	microRNA 5692b	100847013	4.092583285	-0.963130555	1.700692024	-0.566316853	0.571178406	NA	NA
ENSG00000251969	NA	NA	NA	21.44431437	-0.963009521	0.957872278	-1.005363182	0.314722002	0.999371363	Not Sig
ENSG00000157103	SLC6A1	solute carrier family 6 member 1	6529	60.59136434	-0.962538165	0.789662375	-1.218923676	0.222873162	0.999371363	Not Sig
ENSG00000266618	MIR4742	microRNA 4742	100616468	5.213486282	-0.962416023	1.296395423	-0.742378449	0.457858073	NA	NA
ENSG00000259746	NA	NA	NA	8.026968202	-0.962410835	0.988102042	-0.97399944	0.330056817	0.999371363	Not Sig
ENSG00000221679	NA	NA	NA	6.374242942	-0.9622705	1.878375271	-0.512288739	0.608448945	NA	NA

ENSG00000105971	CAV2	caveolin 2	858	1428.767259	-0.962166522	0.76571218	-1.256564211	0.208911481	0.999371363	Not Sig
ENSG00000268397	NA	NA	NA	63.97810582	-0.961704789	0.899755892	-1.068850782	0.285136913	0.999371363	Not Sig
ENSG00000273064	NA	NA	NA	7.50553539	-0.960944756	1.197691573	-0.802330732	0.42236167	0.999371363	Not Sig
ENSG00000176490	DIRAS1	DIRAS family GTPase 1	148252	28.70434639	-0.960869181	0.700553939	-1.371584867	0.170192708	0.999371363	Not Sig
ENSG00000111319	SCNN1A	sodium channel epithelial 1 alpha subunit	6337	4484.133909	-0.960817418	0.472626869	-2.032930163	0.042059579	0.999371363	Not Sig
ENSG00000240015	NA	NA	NA	6.712098396	-0.960419496	1.016518287	-0.944812807	0.344754452	0.999371363	Not Sig
ENSG00000161573	NA	NA	NA	4.045555083	-0.95994611	1.522168651	-0.630643727	0.528273501	NA	NA
ENSG00000270532	NA	NA	NA	2.801753064	-0.959843153	1.432652937	-0.669976048	0.502873059	NA	NA
ENSG00000147606	SLC26A7	solute carrier family 26 member 7	115111	20.99851886	-0.959809475	0.991923938	-0.967624066	0.333232154	0.999371363	Not Sig
ENSG00000237289	CKMT1B	creatine kinase, mitochondrial 1B	1159	47.68161388	-0.959398578	1.351401927	-0.709928378	0.477748552	0.999371363	Not Sig
ENSG00000113083	LOX	lysyl oxidase	4015	794.9529392	-0.959231695	0.673966575	-1.42326301	0.154659926	0.999371363	Not Sig
ENSG00000104804	TULP2	tubby like protein 2	7288	6.17846581	-0.958751028	1.183521815	-0.810083105	0.417892414	NA	NA
ENSG00000146859	TMEM140	transmembrane protein 140	55281	601.5884905	-0.958734883	0.873714111	-1.097309601	0.272506075	0.999371363	Not Sig
ENSG00000237781	NA	NA	NA	155.8933117	-0.958552111	0.639052886	-1.499957408	0.133625436	0.999371363	Not Sig
ENSG00000138311	ZNF365	zinc finger protein 365	22891	63.17330793	-0.958510277	0.767118153	-1.249494975	0.21148409	0.999371363	Not Sig
ENSG00000273373	NA	NA	NA	158.4468154	-0.958427018	0.930427991	-1.030092632	0.302966524	0.999371363	Not Sig
ENSG00000238858	NA	NA	NA	7.439693646	-0.958279762	1.211369928	-0.791071117	0.428902493	0.999371363	Not Sig
ENSG00000156049	GNA14	G protein subunit alpha 14	9630	511.7114768	-0.958278355	0.571886088	-1.675645508	0.093807649	0.999371363	Not Sig
ENSG00000261643	NA	NA	NA	15.9491036	-0.95826817	0.743909092	-1.28815225	0.19769297	0.999371363	Not Sig
ENSG00000254694	NA	NA	NA	10.92095711	-0.958114598	1.18644489	-0.807550865	0.419349182	0.999371363	Not Sig
ENSG00000188916	FAM196A	family with sequence similarity 196 member A	642938	13.68439549	-0.957838397	1.092493928	-0.876744825	0.380625254	0.999371363	Not Sig
ENSG00000174353	TRIM74	tripartite motif containing 74	378108	196.9473386	-0.957645636	0.634948149	-1.508226519	0.131496562	0.999371363	Not Sig
ENSG00000105613	MAST1	microtubule associated serine/threonine kinase 1	22983	16.88551265	-0.957374995	0.906314868	-1.056338177	0.29081374	0.999371363	Not Sig
ENSG00000231747	NA	NA	NA	2.273555619	-0.957273982	1.609950212	-0.594598501	0.552111883	NA	NA
ENSG00000266236	NA	NA	NA	36.89658493	-0.957255801	0.679893844	-1.407948916	0.159146197	0.999371363	Not Sig
ENSG00000243954	NA	NA	NA	3.145232996	-0.957226459	1.367177547	-0.700147879	0.483834958	NA	NA
ENSG00000253556	NA	NA	NA	1.598297422	-0.956956789	2.723667724	-0.351348581	0.725326853	NA	NA
ENSG00000204860	NA	NA	NA	50.63234977	-0.956596631	1.060805447	-0.901764441	0.367182013	0.999371363	Not Sig
ENSG00000271870	NA	NA	NA	34.08168698	-0.956256247	0.793356247	-1.205330205	0.228075854	0.999371363	Not Sig
ENSG00000233690	NA	NA	NA	6.320085907	-0.956245778	1.13419172	-0.843107704	0.39916821	NA	NA
ENSG00000272755	NA	NA	NA	40.66950015	-0.95581209	0.695586561	-1.374109482	0.169407696	0.999371363	Not Sig
ENSG00000077684	JADE1	jade family PHD finger 1	79960	1243.707324	-0.955627747	0.410589042	-2.327455557	0.019941032	0.712847952	Not Sig
ENSG00000228914	NA	NA	NA	1.326327474	-0.955490583	2.82010259	-0.338814122	0.734749762	NA	NA
ENSG00000136682	CBWD2	COBW domain containing 2	150472	616.9109819	-0.955484648	0.683333389	-1.398270102	0.162031973	0.999371363	Not Sig
ENSG00000131368	MRPS25	mitochondrial ribosomal protein S25	64432	1707.969522	-0.954872184	0.680871313	-1.402426811	0.160787832	0.999371363	Not Sig

ENSG00000253854	NA	NA	NA	6.046698557	-0.95484123	1.039643779	-0.918431149	0.358393189	NA	NA
ENSG00000213754	NA	NA	NA	5.660746684	-0.954826387	1.134255091	-0.841809214	0.399894754	NA	NA
ENSG00000259635	NA	NA	NA	11.51032772	-0.954721615	1.025424672	-0.931049975	0.351827714	0.999371363	Not Sig
ENSG00000236943	NA	NA	NA	125.4337986	-0.954560036	0.573985215	-1.663039414	0.096304546	0.999371363	Not Sig
ENSG00000262402	NA	NA	NA	22.33626798	-0.954392188	0.968952376	-0.984973268	0.324637202	0.999371363	Not Sig
ENSG00000228960	NA	NA	NA	20.50352212	-0.954307031	1.014218283	-0.940928641	0.346741429	0.999371363	Not Sig
ENSG00000135437	RDH5	retinol dehydrogenase 5	5959	20.59822498	-0.95419796	0.651557548	-1.464487615	0.143060764	0.999371363	Not Sig
ENSG00000217783	NA	NA	NA	11.6998234	-0.954155724	0.813534317	-1.17285246	0.240854977	0.999371363	Not Sig
ENSG00000134138	MEIS2	Meis homeobox 2	4212	714.964124	-0.953873587	0.553138666	-1.724474614	0.084622198	0.999371363	Not Sig
ENSG00000262769	NA	NA	NA	2.050529092	-0.953487487	2.192129971	-0.434959377	0.663591914	NA	NA
ENSG00000260526	NA	NA	NA	9.516830085	-0.953441542	0.956977352	-0.996305231	0.319101863	0.999371363	Not Sig
ENSG00000268230	NA	NA	NA	7.129529785	-0.952902438	1.002756365	-0.950283112	0.341968418	0.999371363	Not Sig
ENSG00000170054	SERPINA9	serpin family A member 9	327657	1.923638152	-0.952811339	2.11349092	-0.450823484	0.652116774	NA	NA
ENSG00000257511	NA	NA	NA	32.4027552	-0.952717741	0.628957674	-1.514756526	0.129834074	0.999371363	Not Sig
ENSG00000251000	NA	NA	NA	2.86282945	-0.951621025	1.453309855	-0.654795687	0.512599308	NA	NA
ENSG00000128342	LIF	LIF, interleukin 6 family cytokine	3976	737.5989264	-0.950755228	0.624589418	-1.522208351	0.127956883	0.999371363	Not Sig
ENSG00000205189	ZBTB10	zinc finger and BTB domain containing 10	65986	1674.746145	-0.950383657	0.609872479	-1.558331764	0.119154623	0.999371363	Not Sig
ENSG00000173295	FAM86B3P	family with sequence similarity 86, member A pseudogene	286042	122.0964528	-0.950008505	0.711439655	-1.335332518	0.18176754	0.999371363	Not Sig
ENSG00000160828	NA	NA	NA	304.1425196	-0.949234877	0.571354776	-1.66137559	0.096638037	0.999371363	Not Sig
ENSG00000259408	LOC101929988	uncharacterized LOC101929988	101929988	7.26102585	-0.948310507	1.014780696	-0.934497977	0.350047079	0.999371363	Not Sig
ENSG00000176402	GJC3	gap junction protein gamma 3	349149	2.676279527	-0.9475092	1.689705256	-0.56075413	0.574965161	NA	NA
ENSG00000254884	NA	NA	NA	30.45877043	-0.947052379	0.710301011	-1.33331132	0.18242966	0.999371363	Not Sig
ENSG00000174788	PCP2	Purkinje cell protein 2	126006	27.49107129	-0.946740366	0.839383943	-1.127899067	0.259362548	0.999371363	Not Sig
ENSG00000260014	NA	NA	NA	2.994740523	-0.946589643	1.600550951	-0.591414876	0.554242475	NA	NA
ENSG00000166926	MS4A6E	membrane spanning 4-domains A6E	245802	1.046940642	-0.94641765	2.580326265	-0.366782163	0.713781513	NA	NA
ENSG00000227295	NA	NA	NA	2.443798751	-0.946194933	1.559069593	-0.606897175	0.543919153	NA	NA
ENSG00000148120	C9orf3	chromosome 9 open reading frame 3	84909	2387.705559	-0.945488124	0.534937595	-1.767473688	0.077148932	0.999371363	Not Sig
ENSG00000115368	WDR75	WD repeat domain 75	84128	945.108519	-0.945119972	0.692676767	-1.364445896	0.172427271	0.999371363	Not Sig
ENSG00000204913	LRRC3C	leucine rich repeat containing 3C	100505591	0.855370585	-0.944975805	3.17409799	-0.297714755	0.765920881	NA	NA
ENSG00000238224	NA	NA	NA	0.855370585	-0.944975805	3.17409799	-0.297714755	0.765920881	NA	NA
ENSG00000221355	MIR1288	microRNA 1288	100302124	2.896445428	-0.944729116	1.540211385	-0.613376271	0.539627572	NA	NA
ENSG00000158517	NCF1	neutrophil cytosolic factor 1	653361	208.6483699	-0.944657338	0.867210441	-1.08930577	0.276019069	0.999371363	Not Sig
ENSG00000145390	USP53	ubiquitin specific peptidase 53	54532	2416.378437	-0.944348538	0.568381996	-1.661468072	0.096619476	0.999371363	Not Sig
ENSG00000119041	GTF3C3	general transcription factor IIIC subunit 3	9330	1022.31663	-0.944267578	0.59749052	-1.580389222	0.114017758	0.999371363	Not Sig
ENSG00000250522	NA	NA	NA	15.07548477	-0.943772451	0.960112066	-0.982981555	0.325616517	0.999371363	Not Sig

ENSG00000272337	NA	NA	NA	10.69795226	-0.943607142	1.242588263	-0.759388424	0.447620236	0.999371363	Not Sig
ENSG00000244151	NA	NA	NA	7.160716438	-0.943479477	1.198602443	-0.787149637	0.431194275	0.999371363	Not Sig
ENSG00000270441	NA	NA	NA	36.31872944	-0.943030469	0.58027772	-1.625136441	0.10413349	0.999371363	Not Sig
ENSG00000271659	NA	NA	NA	2.28442727	-0.942631473	1.626065211	-0.579700904	0.562116334	NA	NA
ENSG00000101470	TNNC2	troponin C2, fast skeletal type	7125	11.38915662	-0.942486152	1.060209527	-0.88896216	0.374023417	0.999371363	Not Sig
ENSG00000110841	PPFIBP1	PPFIA binding protein 1	8496	2060.664884	-0.942407354	0.569750224	-1.654071055	0.098113076	0.999371363	Not Sig
ENSG00000223525	NA	NA	NA	39.45961674	-0.942389694	0.812406388	-1.159997888	0.246049666	0.999371363	Not Sig
ENSG00000224142	NA	NA	NA	3.588010417	-0.942178256	1.327324005	-0.709832906	0.477807761	NA	NA
ENSG00000229717	NA	NA	NA	0.878114912	-0.941077406	2.738469785	-0.343650827	0.731108896	NA	NA
ENSG00000243777	NA	NA	NA	0.878114912	-0.941077406	2.738469785	-0.343650827	0.731108896	NA	NA
ENSG00000272812	NA	NA	NA	25.14900835	-0.940721841	0.96966991	-0.970146471	0.331973488	0.999371363	Not Sig
ENSG00000121361	KCNJ8	potassium voltage-gated channel subfamily J member 8	3764	223.2446263	-0.940558604	0.696165914	-1.351055237	0.176677739	0.999371363	Not Sig
ENSG00000272072	NA	NA	NA	15.31756498	-0.940219468	1.020014854	-0.921770369	0.356648367	0.999371363	Not Sig
ENSG00000251652	LOC105374344	uncharacterized LOC105374344	105374344	43.60527449	-0.940070285	0.858898132	-1.094507311	0.273732543	0.999371363	Not Sig
ENSG00000250940	NA	NA	NA	1.729051382	-0.93932646	2.217760454	-0.423547304	0.671895993	NA	NA
ENSG00000258284	NA	NA	NA	4.299741073	-0.939311177	1.35416614	-0.693645446	0.487904586	NA	NA
ENSG00000248019	FAM13A-AS1	FAM13A antisense RNA 1	285512	160.5428178	-0.939048729	0.536920806	-1.748952022	0.080299313	0.999371363	Not Sig
ENSG00000228828	NA	NA	NA	74.55905863	-0.938804567	0.708105356	-1.325797862	0.184906661	0.999371363	Not Sig
ENSG00000259716	NA	NA	NA	11.56453084	-0.938636973	0.860467731	-1.090845059	0.275341066	0.999371363	Not Sig
ENSG00000181418	DDN	dendrin	23109	2.862414443	-0.938473677	1.453195616	-0.645799964	0.518408911	NA	NA
ENSG00000244945	LOC101928445	uncharacterized LOC101928445	101928445	22.63441508	-0.937845852	0.919393754	-1.020069854	0.307695333	0.999371363	Not Sig
ENSG00000261428	NA	NA	NA	21.60632581	-0.937727796	0.722488693	-1.297913455	0.194317076	0.999371363	Not Sig
ENSG00000253366	NA	NA	NA	9.503961487	-0.937405489	1.090420342	-0.859673516	0.389969038	0.999371363	Not Sig
ENSG00000235823	OLMALINC	oligodendrocyte maturation-associated long intergenic non-coding RNA	90271	201.2533876	-0.937398149	0.662438053	-1.41507292	0.157047117	0.999371363	Not Sig
ENSG00000242853	NA	NA	NA	22.86833259	-0.937287933	0.863482652	-1.085473959	0.277711791	0.999371363	Not Sig
ENSG00000234835	NA	NA	NA	7.393451988	-0.937271814	1.116779181	-0.839263329	0.401321557	0.999371363	Not Sig
ENSG00000172201	ID4	inhibitor of DNA binding 4, HLH protein	3400	958.9279639	-0.937224496	0.749818367	-1.249935368	0.211323158	0.999371363	Not Sig
ENSG00000226989	NA	NA	NA	17.47559375	-0.935567911	0.756457257	-1.236775643	0.216170387	0.999371363	Not Sig
ENSG00000203281	NA	NA	NA	1.93149309	-0.935147484	1.825825396	-0.512177937	0.608526483	NA	NA
ENSG00000173988	LRRC63	leucine rich repeat containing 63	220416	9.98711815	-0.93508808	0.949331956	-0.984995895	0.324626087	0.999371363	Not Sig
ENSG00000253075	NA	NA	NA	5.803302368	-0.934799916	1.337187328	-0.699079251	0.484502505	NA	NA
ENSG00000202279	NA	NA	NA	4.957386031	-0.934584441	1.315564141	-0.710405834	0.477452506	NA	NA
ENSG00000172172	MRPL13	mitochondrial ribosomal protein L13	28998	369.7134674	-0.934529169	0.656465835	-1.423576244	0.154569177	0.999371363	Not Sig
ENSG00000259477	NA	NA	NA	2.250396284	-0.934446161	1.860144797	-0.502351302	0.615420428	NA	NA
ENSG00000107679	PLEKHA1	pleckstrin homology domain containing A1	59338	1732.880269	-0.934280642	0.563818094	-1.657060409	0.097507262	0.999371363	Not Sig

ENSG00000185033	SEMA4B	semaphorin 4B	10509	3726.916622	-0.933967902	0.691380257	-1.350874419	0.176735664	0.999371363	Not Sig
ENSG00000236935	NA	NA	NA	1.892856979	-0.933346707	1.880852471	-0.496236	0.619727914	NA	NA
ENSG00000100302	RASD2	RASD family member 2	23551	102.2888406	-0.933086518	0.665679396	-1.401705572	0.161003186	0.999371363	Not Sig
ENSG00000223482	NUTM2A-AS1	NUTM2A antisense RNA 1	728190	609.4597803	-0.933037267	0.557507683	-1.673586384	0.094211916	0.999371363	Not Sig
ENSG00000145107	TM4SF19	transmembrane 4 L six family member 19	116211	18.81869092	-0.932920932	1.158315544	-0.805411735	0.420582122	0.999371363	Not Sig
ENSG00000130821	SLC6A8	solute carrier family 6 member 8	6535	472.2973278	-0.932347118	0.605013465	-1.541035318	0.12330819	0.999371363	Not Sig
ENSG00000256139	NA	NA	NA	55.34892439	-0.931913594	0.912376275	-1.021413664	0.307058494	0.999371363	Not Sig
ENSG00000124429	POF1B	POF1B, actin binding protein	79983	331.6349585	-0.931828311	1.163335061	-0.800997359	0.423133175	0.999371363	Not Sig
ENSG00000151338	MIPOL1	mirror-image polydactyly 1	145282	512.3475927	-0.931612602	0.716906294	-1.299490059	0.193775803	0.999371363	Not Sig
ENSG00000253404	LOC105379194	uncharacterized LOC105379194	105379194	5.694793962	-0.931515816	1.322621363	-0.704295154	0.481248984	NA	NA
ENSG00000128699	ORMDL1	ORMDL sphingolipid biosynthesis regulator 1	94101	906.2643839	-0.931013603	0.763173107	-1.219924541	0.222493482	0.999371363	Not Sig
ENSG00000242951	NA	NA	NA	1.374113782	-0.930849465	2.074962512	-0.448610257	0.653712833	NA	NA
ENSG00000234998	NA	NA	NA	10.26859217	-0.930598292	1.111917575	-0.836931004	0.402631352	0.999371363	Not Sig
ENSG00000222937	SNORD63B	small nucleolar RNA, C/D box 63B	109617013	25.29913357	-0.930136157	0.917018202	-1.014305011	0.310437234	0.999371363	Not Sig
ENSG00000183941	NA	NA	NA	2.693588713	-0.930130282	1.454679183	-0.639405783	0.522558988	NA	NA
ENSG00000154065	ANKRD29	ankyrin repeat domain 29	147463	510.2934345	-0.929786556	1.098143728	-0.846689311	0.397168318	0.999371363	Not Sig
ENSG00000122787	AKR1D1	aldo-keto reductase family 1 member D1	6718	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000203334	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000211623	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000215174	NLRP2B	NLR family pyrin domain containing 2B	286430	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000227487	NCAM1-AS1	NCAM1 antisense RNA1	100288346	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000232175	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000235361	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000236785	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000240568	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000241621	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000255608	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000259192	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000261409	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000263177	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000264028	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000267741	NA	NA	NA	0.502436405	-0.929696407	3.723335734	-0.249694487	0.802823622	NA	NA
ENSG00000182217	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000202354	RNY3	RNA, Ro-associated Y3	6085	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000213755	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA

ENSG00000214823	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000226235	LEMD1-AS1	LEMD1 antisense RNA 1	284576	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000226279	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000228170	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000243661	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000244514	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000248828	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000256589	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000259332	ST20-MTHFS	ST20-MTHFS readthrough	100528021	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000259948	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000260537	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000267305	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000270864	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000271803	NA	NA	NA	0.467536067	-0.928729961	3.810350737	-0.243738707	0.807433194	NA	NA
ENSG00000214855	APOC1P1	apolipoprotein C1 pseudogene 1	342	3.457123415	-0.928575903	1.699391249	-0.546416785	0.584779475	NA	NA
ENSG00000145721	LIX1	limb and CNS expressed 1	167410	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000165462	PHOX2A	paired like homeobox 2a	401	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000167774	NA	NA	NA	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000200545	NA	NA	NA	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000206145	NA	NA	NA	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000213315	NA	NA	NA	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000222862	NA	NA	NA	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000234022	NA	NA	NA	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000238020	HTR3E-AS1	HTR3E antisense RNA 1	106478970	0.461098531	-0.928547418	3.827465403	-0.242601126	0.808314409	NA	NA
ENSG00000261898	NA	NA	NA	2.147667074	-0.928062357	2.093712102	-0.443261686	0.657576465	NA	NA
ENSG00000161970	RPL26	ribosomal protein L26	6154	437.5313397	-0.928018632	0.711244283	-1.304781851	0.191967141	0.999371363	Not Sig
ENSG00000102053	ZC3H12B	zinc finger CCH-type containing 12B	340554	40.9835254	-0.927800079	0.715880846	-1.296026838	0.194966239	0.999371363	Not Sig
ENSG00000213385	NA	NA	NA	12.9293909	-0.927741001	0.887606714	-1.045216295	0.295923014	0.999371363	Not Sig
ENSG00000099960	SLC7A4	solute carrier family 7 member 4	6545	16.06790718	-0.927665328	1.301313889	-0.712868229	0.4759273	0.999371363	Not Sig
ENSG00000211690	NA	NA	NA	2.526202062	-0.927200149	2.103925907	-0.440700001	0.659430196	NA	NA
ENSG00000268218	NA	NA	NA	38.52595777	-0.927056287	0.991299441	-0.935192989	0.349688851	0.999371363	Not Sig
ENSG00000255248	MIR100HG	mir-100-let-7a-2-mir-125b-1 cluster host gene	399959	318.9665022	-0.926198316	0.606196913	-1.52788359	0.126541443	0.999371363	Not Sig
ENSG00000178636	NA	NA	NA	6.68230872	-0.926080909	1.089239995	-0.850208322	0.395209276	0.999371363	Not Sig
ENSG00000260583	LINC00515	long intergenic non-protein coding RNA 515	282566	4.4136239	-0.92579006	1.469274538	-0.630100118	0.528629082	NA	NA
ENSG00000267260	NA	NA	NA	3.953100608	-0.925773322	1.38062948	-0.670544368	0.502510833	NA	NA

ENSG00000262180	OCLM	oculomedin	10896	62.31534159	-0.925633232	0.873236859	-1.060002475	0.289143473	0.999371363	Not Sig
ENSG00000162980	ARL5A	ADP ribosylation factor like GTPase 5A	26225	2085.401475	-0.925131031	0.706211376	-1.309991687	0.190198648	0.999371363	Not Sig
ENSG00000213542	NA	NA	NA	7.792744176	-0.925024767	1.014752345	-0.91157687	0.361991503	0.999371363	Not Sig
ENSG00000267060	PTGES3L	prostaglandin E synthase 3 like	100885848	4.012759592	-0.924773272	1.287723193	-0.71814601	0.472667264	NA	NA
ENSG00000261377	NA	NA	NA	19.06598763	-0.924756729	0.916387959	-1.009132344	0.312911168	0.999371363	Not Sig
ENSG00000181778	TMEM252	transmembrane protein 252	169693	1.6608184	-0.923931233	2.602779401	-0.354978694	0.722605553	NA	NA
ENSG00000165178	NCF1C	neutrophil cytosolic factor 1C pseudogene	654817	87.39070814	-0.923914782	0.892684491	-1.034984691	0.300676061	0.999371363	Not Sig
ENSG00000107242	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase type 1 beta	8395	294.2654918	-0.923055585	0.549771697	-1.67897982	0.093155977	0.999371363	Not Sig
ENSG00000075303	SLC25A40	solute carrier family 25 member 40	55972	431.4478915	-0.922640786	0.743402263	-1.2411057	0.214566704	0.999371363	Not Sig
ENSG00000226253	NA	NA	NA	9.270589563	-0.921300743	0.937315438	-0.982914295	0.325649622	0.999371363	Not Sig
ENSG00000225964	NA	NA	NA	35.17171254	-0.921113539	1.196880263	-0.769595395	0.441539937	0.999371363	Not Sig
ENSG00000133687	TMTC1	transmembrane and tetratricopeptide repeat containing 1	83857	470.6522411	-0.920048308	0.799827622	-1.150308245	0.250016936	0.999371363	Not Sig
ENSG00000240207	NA	NA	NA	116.7600153	-0.920018201	0.509405771	-1.806061599	0.070908718	0.999371363	Not Sig
ENSG00000202347	NA	NA	NA	13.29253222	-0.918592957	0.894260355	-1.027209751	0.304321708	0.999371363	Not Sig
ENSG00000267676	NA	NA	NA	6.591917429	-0.918498618	1.071074914	-0.857548436	0.391141858	0.999371363	Not Sig
ENSG00000260375	NA	NA	NA	5.766116524	-0.918366333	1.752117331	-0.524146595	0.600176582	NA	NA
ENSG00000256280	NA	NA	NA	1.783275225	-0.917733201	1.706497864	-0.537787489	0.590723771	NA	NA
ENSG00000156026	MCU	mitochondrial calcium uniporter	90550	1201.347049	-0.917701125	0.6531132	-1.405118019	0.159986187	0.999371363	Not Sig
ENSG00000156076	WIF1	WNT inhibitory factor 1	11197	709.8881516	-0.9174771	0.662775701	-1.384295017	0.166268139	0.999371363	Not Sig
ENSG00000207651	MIR28	microRNA 28	407020	4.715035999	-0.917309104	1.548402775	-0.592422798	0.553567504	NA	NA
ENSG00000188610	FAM72B	family with sequence similarity 72 member B	653820	26.08391347	-0.917028014	0.895391121	-1.024164739	0.30575747	0.999371363	Not Sig
ENSG00000238228	NA	NA	NA	41.88680346	-0.916971315	0.667938657	-1.372837619	0.169802833	0.999371363	Not Sig
ENSG00000263320	NA	NA	NA	43.15476816	-0.91683353	0.74462262	-1.231272735	0.218220876	0.999371363	Not Sig
ENSG00000094963	FMO2	flavin containing monooxygenase 2	2327	2325.413917	-0.916328795	1.007881771	-0.90916298	0.363264102	0.999371363	Not Sig
ENSG00000213600	NA	NA	NA	30.17983148	-0.915874663	0.790735084	-1.158257274	0.246759062	0.999371363	Not Sig
ENSG00000144837	PLA1A	phospholipase A1 member A	51365	159.8379797	-0.915578249	0.956263007	-0.957454427	0.338337939	0.999371363	Not Sig
ENSG00000146021	KLHL3	kelch like family member 3	26249	303.1641682	-0.915206149	0.510711797	-1.792020771	0.073129639	0.999371363	Not Sig
ENSG00000216089	NA	NA	NA	13.36771349	-0.914780087	0.970993145	-0.942107667	0.34613752	0.999371363	Not Sig
ENSG00000261739	NA	NA	NA	3.732077501	-0.914760224	1.399681339	-0.653548917	0.513402464	NA	NA
ENSG00000162888	NA	NA	NA	1.380551317	-0.91452403	1.893860763	-0.482888736	0.62917474	NA	NA
ENSG00000212126	TAS2R50	taste 2 receptor member 50	259296	29.64692867	-0.914496717	0.859886265	-1.063508924	0.28755122	0.999371363	Not Sig
ENSG00000265049	NA	NA	NA	5.289724494	-0.914384419	1.342005471	-0.6813567	0.495645814	NA	NA
ENSG00000234694	LOC105378687	uncharacterized LOC105378687	105378687	15.66578376	-0.914368489	0.712045666	-1.284143044	0.199091909	0.999371363	Not Sig
ENSG00000132356	PRKAA1	protein kinase AMP-activated catalytic subunit alpha 1	5562	2342.736095	-0.914136043	0.667888264	-1.368696071	0.171094299	0.999371363	Not Sig
ENSG00000180316	PNPLA1	patatin like phospholipase domain containing 1	285848	3.527803384	-0.91402148	1.526738284	-0.598675942	0.549389003	NA	NA

ENSG00000259467	NA	NA	NA	6.058257653	-0.913978982	1.144344653	-0.798692054	0.424468995	NA	NA
ENSG00000134297	PLEKHA8P1	pleckstrin homology domain containing A8 pseudogene 1	51054	110.9045565	-0.913741295	0.702331068	-1.30101221	0.193254275	0.999371363	Not Sig
ENSG00000243398	NA	NA	NA	56.25021398	-0.913730278	0.844122896	-1.082461195	0.279047649	0.999371363	Not Sig
ENSG00000042781	USH2A	usherin	7399	6.952220587	-0.913271969	1.27810136	-0.714553632	0.474884905	0.999371363	Not Sig
ENSG00000178033	CALHM5	calcium homeostasis modulator family member 5	254228	163.5393322	-0.913053929	0.55191826	-1.654328177	0.098060851	0.999371363	Not Sig
ENSG00000240143	NA	NA	NA	7.812703933	-0.912929835	1.169310904	-0.780741744	0.434954403	0.999371363	Not Sig
ENSG00000261740	BOLA2-SMG1P6	BOLA2-SMG1P6 readthrough	107282092	2.738358308	-0.912333377	1.442005447	-0.632683724	0.5269402	NA	NA
ENSG00000231697	NA	NA	NA	38.60026389	-0.912293117	0.709247162	-1.286283774	0.198344043	0.999371363	Not Sig
ENSG00000203512	NA	NA	NA	5.365275262	-0.91202147	1.228379234	-0.742459205	0.45780916	NA	NA
ENSG00000176383	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	79369	13.7731995	-0.911478719	1.099548567	-0.828957215	0.407128618	0.999371363	Not Sig
ENSG00000273118	NA	NA	NA	9.880549641	-0.910906675	1.217258481	-0.748326415	0.454263296	0.999371363	Not Sig
ENSG00000244314	NA	NA	NA	3.063699038	-0.910551006	1.470363158	-0.619269465	0.535738856	NA	NA
ENSG00000235649	NA	NA	NA	37.81680224	-0.910529849	1.201659664	-0.757726897	0.448614493	0.999371363	Not Sig
ENSG00000199313	NA	NA	NA	6.786322291	-0.910433545	1.003534641	-0.907226824	0.364286862	0.999371363	Not Sig
ENSG00000217512	NA	NA	NA	28.59607478	-0.910201783	0.802837888	-1.133730479	0.256907621	0.999371363	Not Sig
ENSG00000248466	NA	NA	NA	10.25920996	-0.910148498	1.186466649	-0.76710837	0.443017086	0.999371363	Not Sig
ENSG00000259475	NA	NA	NA	1.667255936	-0.909608215	2.224571849	-0.408891363	0.682619388	NA	NA
ENSG00000273302	NA	NA	NA	3.372705786	-0.909218034	1.419316242	-0.640602853	0.521780745	NA	NA
ENSG00000227200	NA	NA	NA	57.27234619	-0.909187349	0.58594243	-1.551666687	0.120741997	0.999371363	Not Sig
ENSG00000169271	HSPB3	heat shock protein family B (small) member 3	8988	5.037126917	-0.90882181	1.46478457	-0.620447422	0.534963259	NA	NA
ENSG00000237249	NA	NA	NA	27.31371974	-0.908659673	0.989785617	-0.918036853	0.358599572	0.999371363	Not Sig
ENSG00000099864	PALM	paralemmin	5064	775.1625873	-0.908619013	0.836257526	-1.086530147	0.277244511	0.999371363	Not Sig
ENSG00000238117	NA	NA	NA	3.340922218	-0.908473494	1.899610393	-0.478242011	0.632477965	NA	NA
ENSG00000123485	HJURP	Holliday junction recognition protein	55355	97.68736387	-0.908041512	1.042657647	-0.870891337	0.383813487	0.999371363	Not Sig
ENSG00000261324	NA	NA	NA	164.8836045	-0.907266148	0.63050554	-1.438950319	0.150164599	0.999371363	Not Sig
ENSG00000255398	HCAR3	hydroxycarboxylic acid receptor 3	8843	124.2854064	-0.907131079	0.663072679	-1.368071869	0.171289581	0.999371363	Not Sig
ENSG00000229054	NA	NA	NA	10.1392567	-0.907079356	1.047487511	-0.865957204	0.386513631	0.999371363	Not Sig
ENSG00000228313	NA	NA	NA	1.730053777	-0.907064279	2.240018593	-0.404936049	0.685524519	NA	NA
ENSG00000221783	MIR1183	microRNA 1183	100302122	3.142499618	-0.90681959	1.626889237	-0.557394793	0.577257722	NA	NA
ENSG00000206784	NA	NA	NA	7.023752247	-0.906493283	1.147221531	-0.790164113	0.429431931	0.999371363	Not Sig
ENSG00000202078	NA	NA	NA	31.37034121	-0.906458726	0.845588359	-1.071985815	0.283726404	0.999371363	Not Sig
ENSG00000263593	MIR4804	microRNA 4804	100616152	9.922606575	-0.906377073	1.309802444	-0.691995253	0.48894031	0.999371363	Not Sig
ENSG00000199672	NA	NA	NA	4.356970731	-0.90625138	1.515381651	-0.598035075	0.549816529	NA	NA
ENSG00000198590	C3orf35	chromosome 3 open reading frame 35	339883	105.9712321	-0.906142766	0.777158572	-1.165968951	0.243626999	0.999371363	Not Sig
ENSG00000264772	NA	NA	NA	1.264532028	-0.905786881	2.129135124	-0.425424799	0.670527031	NA	NA

ENSG00000228393	NA	NA	NA	71.54269671	-0.905592975	0.660650262	-1.370760033	0.170449774	0.999371363	Not Sig
ENSG00000064933	PMS1	PMS1 homolog 1, mismatch repair system component	5378	589.018772	-0.905451757	0.689239367	-1.313697099	0.188948158	0.999371363	Not Sig
ENSG00000140488	CELF6	CUGBP Elav-like family member 6	60677	2.55824592	-0.905341574	1.642085221	-0.551336534	0.581402998	NA	NA
ENSG00000165066	NKX6-3	NK6 homeobox 3	157848	1.784692628	-0.905261963	2.234816854	-0.405072103	0.685424512	NA	NA
ENSG00000215529	EFCAB8	EF-hand calcium binding domain 8	388795	13.69234498	-0.905045386	0.812696058	-1.113633291	0.265436538	0.999371363	Not Sig
ENSG00000229677	NA	NA	NA	25.6366815	-0.904485879	0.827473482	-1.093069323	0.274363364	0.999371363	Not Sig
ENSG00000207631	MIR641	microRNA 641	693226	4.371583258	-0.904267482	1.329030757	-0.680396204	0.496253624	NA	NA
ENSG00000212371	NA	NA	NA	5.064123452	-0.903803374	1.150067919	-0.785869564	0.431943907	NA	NA
ENSG00000273289	NA	NA	NA	10.6653275	-0.903592955	0.855155042	-1.056642258	0.290674887	0.999371363	Not Sig
ENSG00000231613	NA	NA	NA	1.952100955	-0.903338113	2.153191367	-0.419534523	0.67482553	NA	NA
ENSG00000234981	NA	NA	NA	8.047422599	-0.902326349	0.982474343	-0.918422303	0.358397819	0.999371363	Not Sig
ENSG00000261765	NA	NA	NA	1.386988853	-0.902173491	2.073489032	-0.435099235	0.663490399	NA	NA
ENSG00000214357	NEURL1B	neuritized E3 ubiquitin protein ligase 1B	54492	1779.960444	-0.902104723	0.697037144	-1.294198926	0.195596718	0.999371363	Not Sig
ENSG00000105784	RUNDC3B	RUN domain containing 3B	154661	14.17828995	-0.901773693	1.204337664	-0.748771478	0.453994954	0.999371363	Not Sig
ENSG00000186076	NA	NA	NA	2.722051516	-0.90153668	1.457184937	-0.618683777	0.5361247	NA	NA
ENSG00000180638	SLC47A2	solute carrier family 47 member 2	146802	2.296583281	-0.90146899	2.053895486	-0.438906943	0.660728965	NA	NA
ENSG00000248690	NA	NA	NA	11.80636222	-0.901220049	0.866479711	-1.040093655	0.298296391	0.999371363	Not Sig
ENSG00000155761	SPAG17	sperm associated antigen 17	200162	603.3521997	-0.901105127	0.680816676	-1.323565004	0.185647554	0.999371363	Not Sig
ENSG00000132744	ACY3	aminoacylase 3	91703	33.74182263	-0.900896653	1.015550889	-0.887101437	0.375024291	0.999371363	Not Sig
ENSG00000162687	KCNT2	potassium sodium-activated channel subfamily T member 2	343450	126.6767744	-0.900791809	0.671403347	-1.341655226	0.179707811	0.999371363	Not Sig
ENSG00000124602	UNC5CL	unc-5 family C-terminal like	222643	259.3671748	-0.900762696	0.964156601	-0.934249369	0.350175275	0.999371363	Not Sig
ENSG00000259926	NA	NA	NA	18.43228992	-0.900646783	0.683622387	-1.317462388	0.18768368	0.999371363	Not Sig
ENSG00000225067	NA	NA	NA	3.569971273	-0.900566002	1.389047066	-0.648333685	0.516769152	NA	NA
ENSG00000243554	NA	NA	NA	111.054461	-0.90043271	0.599350674	-1.502347038	0.133007507	0.999371363	Not Sig
ENSG00000198346	ZNF813	zinc finger protein 813	126017	216.3653946	-0.900205168	0.612804476	-1.468992482	0.141834828	0.999371363	Not Sig
ENSG00000261215	NA	NA	NA	2.937783302	-0.900191039	1.59006867	-0.566133436	0.571303075	NA	NA
ENSG00000213965	NUDT19	nudix hydrolase 19	390916	397.2441398	-0.899384646	0.434380025	-2.070501852	0.038405373	0.999371363	Not Sig
ENSG00000177853	ZNF518A	zinc finger protein 518A	9849	1591.846947	-0.89864354	0.688015888	-1.306137774	0.191505709	0.999371363	Not Sig
ENSG00000066629	EML1	echinoderm microtubule associated protein like 1	2009	493.8414391	-0.898625772	0.798268703	-1.125718406	0.26028473	0.999371363	Not Sig
ENSG00000188206	NA	NA	NA	1721.823103	-0.898373875	0.830839624	-1.081284342	0.279570651	0.999371363	Not Sig
ENSG00000225956	NA	NA	NA	2.805872229	-0.898319374	1.693344025	-0.530500218	0.595765158	NA	NA
ENSG00000237080	NA	NA	NA	4.362666162	-0.898299022	1.316989217	-0.682085328	0.495184997	NA	NA
ENSG00000230562	NA	NA	NA	15.54973149	-0.898195325	0.808842996	-1.110469312	0.266796845	0.999371363	Not Sig
ENSG00000271816	BMS1P4	BMS1, ribosome biogenesis factor pseudogene 4	729096	24.00778549	-0.898038048	0.760268225	-1.181212127	0.237518465	0.999371363	Not Sig
ENSG00000255346	NOX5	NADPH oxidase 5	79400	9.981291723	-0.897503963	1.047672036	-0.856664999	0.391630052	0.999371363	Not Sig

ENSG00000242180	OR51B5	olfactory receptor family 51 subfamily B member 5	282763	1.457519488	-0.897307739	2.101814311	-0.426920558	0.669437191	NA	NA
ENSG00000212535	NA	NA	NA	13.85428683	-0.897211698	1.253160473	-0.715959143	0.474016578	0.999371363	Not Sig
ENSG00000234231	NA	NA	NA	43.61117929	-0.895963182	0.687234413	-1.303722813	0.192328108	0.999371363	Not Sig
ENSG00000250159	NA	NA	NA	38.20820066	-0.895899885	0.916777158	-0.977227539	0.328456517	0.999371363	Not Sig
ENSG00000205047	NA	NA	NA	120.1470103	-0.895337877	0.623648844	-1.435644251	0.151103596	0.999371363	Not Sig
ENSG00000236058	NA	NA	NA	2.619322306	-0.895075083	1.460282531	-0.612946511	0.539911708	NA	NA
ENSG00000238460	NA	NA	NA	6.955014978	-0.894650896	1.127098857	-0.793764354	0.427332628	0.999371363	Not Sig
ENSG00000199805	NA	NA	NA	11.98271716	-0.894138154	0.863822013	-1.035095356	0.300624381	0.999371363	Not Sig
ENSG00000176170	SPHK1	sphingosine kinase 1	8877	268.8204735	-0.894005337	0.781608632	-1.143801771	0.252705855	0.999371363	Not Sig
ENSG00000166492	NA	NA	NA	1.364244526	-0.893510167	1.895284446	-0.471438559	0.637327586	NA	NA
ENSG00000169194	IL13	interleukin 13	3596	1.364244526	-0.893510167	1.895284446	-0.471438559	0.637327586	NA	NA
ENSG00000189166	NA	NA	NA	1.364244526	-0.893510167	1.895284446	-0.471438559	0.637327586	NA	NA
ENSG00000258839	MC1R	melanocortin 1 receptor	4157	101.4488114	-0.893413527	0.574888304	-1.554064537	0.120169023	0.999371363	Not Sig
ENSG00000079459	FDFT1	farnesyl-diphosphate farnesyltransferase 1	2222	2198.475711	-0.892034272	0.493902943	-1.806092239	0.070903933	0.999371363	Not Sig
ENSG00000260871	NA	NA	NA	1.773405969	-0.891029657	1.722072944	-0.517416908	0.60486516	NA	NA
ENSG00000263414	MIR3187	microRNA 3187	100422854	1.270969564	-0.890928638	2.128031729	-0.41866323	0.675462272	NA	NA
ENSG00000260060	NA	NA	NA	13.29486245	-0.890440791	1.044503624	-0.852501389	0.393935868	0.999371363	Not Sig
ENSG00000186340	THBS2	thrombospondin 2	7058	3697.785936	-0.889972115	0.875428964	-1.016612599	0.309337758	0.999371363	Not Sig
ENSG00000258904	NA	NA	NA	44.94712192	-0.889836446	0.59040295	-1.50716802	0.131767595	0.999371363	Not Sig
ENSG00000249849	NA	NA	NA	0.829609545	-0.889586427	3.195811754	-0.278360084	0.780735958	NA	NA
ENSG00000107362	ABHD17B	abhydrolase domain containing 17B	51104	338.2750047	-0.889353726	0.504771289	-1.761894437	0.078087135	0.999371363	Not Sig
ENSG00000251804	NA	NA	NA	5.717894492	-0.889338852	1.357258974	-0.655246249	0.512309221	NA	NA
ENSG00000269190	FBX017	F-box protein 17	115290	153.8314056	-0.889223314	0.740475593	-1.20088133	0.229797238	0.999371363	Not Sig
ENSG00000173421	CCDC36	coiled-coil domain containing 36	339834	33.06425144	-0.888281482	0.872517549	-1.018067182	0.30864603	0.999371363	Not Sig
ENSG00000144645	OSBPL10	oxysterol binding protein like 10	114884	1212.131445	-0.888231971	0.635730924	-1.397182263	0.162358769	0.999371363	Not Sig
ENSG00000242737	NA	NA	NA	37.1275097	-0.88736269	0.790478717	-1.12256367	0.261622852	0.999371363	Not Sig
ENSG00000243304	NA	NA	NA	2.209745855	-0.887237281	1.800537864	-0.492762356	0.622180512	NA	NA
ENSG00000198121	LPAR1	lysophosphatidic acid receptor 1	1902	645.3245075	-0.886786401	0.522117533	-1.698442105	0.089424351	0.999371363	Not Sig
ENSG00000144161	ZC3H8	zinc finger CCCH-type containing 8	84524	200.4137366	-0.886785665	0.703321183	-1.260854481	0.207361281	0.999371363	Not Sig
ENSG00000163535	SGO2	shugoshin 2	151246	187.9477406	-0.886499209	0.803240246	-1.103653873	0.269743312	0.999371363	Not Sig
ENSG00000259196	NA	NA	NA	8.44153442	-0.88635949	0.972532441	-0.911393238	0.362088215	0.999371363	Not Sig
ENSG00000183549	ACSM5	acyl-CoA synthetase medium chain family member 5	54988	37.91555231	-0.886263965	0.998533203	-0.887565844	0.374774333	0.999371363	Not Sig
ENSG00000183607	GKN2	gastrokine 2	200504	120.73427	-0.886148565	1.304982282	-0.679050265	0.497106014	0.999371363	Not Sig
ENSG00000269815	NA	NA	NA	7.652420587	-0.885600768	0.990451708	-0.894138262	0.37124792	0.999371363	Not Sig
ENSG00000253541	NA	NA	NA	3.626796821	-0.885486711	1.57493646	-0.562236467	0.573954918	NA	NA

ENSG00000169495	HTRA4	Htra serine peptidase 4	203100	86.266904	-0.885021144	0.883984672	-1.0011725	0.316743419	0.999371363	Not Sig
ENSG00000206717	NA	NA	NA	2.38684153	-0.884537181	2.05345772	-0.430755001	0.666646522	NA	NA
ENSG00000239883	NA	NA	NA	18.78545845	-0.88433485	0.783217497	-1.129105075	0.258853511	0.999371363	Not Sig
ENSG00000267571	NA	NA	NA	1.750661642	-0.884202968	1.77973946	-0.49681596	0.61931884	NA	NA
ENSG00000263968	NA	NA	NA	40.63843242	-0.884077435	0.762096062	-1.160060364	0.24602423	0.999371363	Not Sig
ENSG00000235236	NA	NA	NA	4.066972537	-0.884027243	1.186346651	-0.745167732	0.456170327	NA	NA
ENSG00000179467	NA	NA	NA	4.353677156	-0.883754271	1.192052655	-0.741371841	0.458468013	NA	NA
ENSG00000238544	NA	NA	NA	5.927338077	-0.883590729	1.257619138	-0.702590078	0.482311247	NA	NA
ENSG00000145681	HAPLN1	hyaluronan and proteoglycan link protein 1	1404	6.310798244	-0.882616872	1.356192905	-0.650804814	0.515172492	NA	NA
ENSG00000156413	FUT6	fucosyltransferase 6	2528	44.87257125	-0.882568416	0.969347883	-0.910476447	0.362571298	0.999371363	Not Sig
ENSG00000239063	NA	NA	NA	9.131196046	-0.88157748	1.018409872	-0.865641137	0.386686989	0.999371363	Not Sig
ENSG00000101460	MAP1LC3A	microtubule associated protein 1 light chain 3 alpha	84557	249.6379817	-0.88146541	0.583230767	-1.511349299	0.13069948	0.999371363	Not Sig
ENSG00000257838	LOC653786	otoancorin pseudogene	653786	7.406045772	-0.881435501	1.395818032	-0.631483102	0.527724694	0.999371363	Not Sig
ENSG00000183060	LYSMD4	LysM domain containing 4	145748	242.9700296	-0.881407314	0.568357968	-1.550796088	0.120950558	0.999371363	Not Sig
ENSG00000207712	MIR627	microRNA 627	693212	3.123176113	-0.881303802	1.48112093	-0.595024879	0.551826841	NA	NA
ENSG00000255627	NA	NA	NA	2.402733314	-0.881149541	1.877185318	-0.469399336	0.638784223	NA	NA
ENSG00000253347	NA	NA	NA	21.51166614	-0.880783004	0.742049869	-1.186959315	0.235243669	0.999371363	Not Sig
ENSG00000198883	PNMA5	PNMA family member 5	114824	1.370682061	-0.880150454	2.075329908	-0.424101465	0.671491817	NA	NA
ENSG00000183032	SLC25A21	solute carrier family 25 member 21	89874	29.67050591	-0.880134251	0.77801788	-1.131251959	0.257949058	0.999371363	Not Sig
ENSG00000270006	LOC101928659	uncharacterized LOC101928659	101928659	8.793593453	-0.879065222	1.119687403	-0.785098787	0.432395651	0.999371363	Not Sig
ENSG00000170215	NA	NA	NA	2.352810544	-0.877732018	1.580474404	-0.555359844	0.578648554	NA	NA
ENSG00000221083	NA	NA	NA	10.41429995	-0.877696781	1.019957287	-0.860523075	0.389500769	0.999371363	Not Sig
ENSG00000224999	NA	NA	NA	2.477541977	-0.877134393	1.966394865	-0.446062187	0.655552326	NA	NA
ENSG00000251733	SCARNA8	small Cajal body-specific RNA 8	677776	2.71601809	-0.876851455	1.776433278	-0.493602246	0.621587114	NA	NA
ENSG00000243854	NA	NA	NA	27.56594026	-0.876738623	0.780898106	-1.122731143	0.261551697	0.999371363	Not Sig
ENSG00000133878	DUSP26	dual specificity phosphatase 26	78986	28.30013373	-0.876717536	1.076991091	-0.814043443	0.415620064	0.999371363	Not Sig
ENSG00000180884	ZNF792	zinc finger protein 792	126375	353.6897466	-0.876622185	0.535913799	-1.635752216	0.101891456	0.999371363	Not Sig
ENSG00000256450	NA	NA	NA	45.78757701	-0.876141532	0.982439938	-0.891801624	0.372499271	0.999371363	Not Sig
ENSG00000113140	SPARC	secreted protein acidic and cysteine rich	6678	15586.33799	-0.875891282	0.442380558	-1.979949766	0.047709174	0.999371363	Not Sig
ENSG00000176956	LY6H	lymphocyte antigen 6 family member H	4062	12.99602003	-0.875766007	0.923624545	-0.948183991	0.343035795	0.999371363	Not Sig
ENSG00000238931	NA	NA	NA	3.089145128	-0.875142113	1.347907983	-0.649259537	0.516170635	NA	NA
ENSG00000238585	NA	NA	NA	6.468106541	-0.87477947	1.179389433	-0.741722323	0.458255592	NA	NA
ENSG00000138386	NAB1	NGFI-A binding protein 1	4664	1476.747946	-0.874041086	0.425777541	-2.052811628	0.04009085	0.999371363	Not Sig
ENSG00000239005	NA	NA	NA	11.65623147	-0.873395095	0.904674325	-0.965424873	0.334332048	0.999371363	Not Sig
ENSG00000237550	NA	NA	NA	1.797567699	-0.87321059	1.968491808	-0.443593713	0.657336352	NA	NA

ENSG00000233889	NA	NA	NA	12.178446	-0.873199904	1.620110165	-0.538975634	0.589903667	0.999371363	Not Sig
ENSG00000198518	NA	NA	NA	1010.219757	-0.872407491	0.548848126	-1.589524406	0.111942048	0.999371363	Not Sig
ENSG00000008118	CAMK1G	calcium/calmodulin dependent protein kinase 1G	57172	24.71373075	-0.872404107	0.703602406	-1.239910635	0.21500845	0.999371363	Not Sig
ENSG00000174600	CMKLR1	chemerin chemokine-like receptor 1	1240	787.6875963	-0.872272037	0.863335864	-1.010350749	0.312327275	0.999371363	Not Sig
ENSG00000198887	SMC5	structural maintenance of chromosomes 5	23137	1919.88451	-0.871528484	0.615448266	-1.416087317	0.156749941	0.999371363	Not Sig
ENSG00000174799	CEP135	centrosomal protein 135	9662	421.4638672	-0.871437608	0.694276574	-1.255173573	0.209415757	0.999371363	Not Sig
ENSG00000221042	NA	NA	NA	4.095850348	-0.871433449	1.513691797	-0.575700715	0.564817492	NA	NA
ENSG00000198870	STKLD1	serine/threonine kinase like domain containing 1	169436	37.64372545	-0.871399083	0.808302592	-1.078060484	0.281006765	0.999371363	Not Sig
ENSG00000265399	NA	NA	NA	1.840919891	-0.871216604	1.721759706	-0.506003597	0.612854125	NA	NA
ENSG00000267747	NA	NA	NA	3.282132587	-0.871188457	1.371995565	-0.634979062	0.525442071	NA	NA
ENSG00000268189	NA	NA	NA	7.503483662	-0.871025227	0.978834033	-0.889859974	0.373541078	0.999371363	Not Sig
ENSG00000252782	NA	NA	NA	20.7307702	-0.870420892	1.10937886	-0.784602017	0.432686947	0.999371363	Not Sig
ENSG00000167766	ZNF83	zinc finger protein 83	55769	1052.788526	-0.870335069	0.577140034	-1.508013683	0.131551025	0.999371363	Not Sig
ENSG00000261418	NA	NA	NA	1.254662772	-0.87014176	2.44614448	-0.355719692	0.722050497	NA	NA
ENSG00000237350	NA	NA	NA	6.869136184	-0.870133379	1.075948475	-0.80871287	0.418680324	0.999371363	Not Sig
ENSG00000171401	KRT13	keratin 13	3860	9.299218951	-0.870039692	0.935052358	-0.930471631	0.352126946	0.999371363	Not Sig
ENSG00000120798	NR2C1	nuclear receptor subfamily 2 group C member 1	7181	693.4061456	-0.870014619	0.670399475	-1.29775552	0.194371359	0.999371363	Not Sig
ENSG00000226833	NA	NA	NA	8.10918643	-0.869913407	0.944703534	-0.920832172	0.357138056	0.999371363	Not Sig
ENSG00000202414	NA	NA	NA	1.863664218	-0.869809551	1.944096602	-0.447410664	0.654578578	NA	NA
ENSG00000248375	NA	NA	NA	1.863664218	-0.869809551	1.944096602	-0.447410664	0.654578578	NA	NA
ENSG00000264635	NA	NA	NA	23.9198535	-0.869717501	0.915730465	-0.949752722	0.342237914	0.999371363	Not Sig
ENSG00000244004	NA	NA	NA	8.076986484	-0.869707346	1.346156799	-0.646066897	0.518236032	0.999371363	Not Sig
ENSG00000263456	MIR5189	microRNA 5189	100847057	4.443520397	-0.869307328	1.165544659	-0.745837855	0.455765369	NA	NA
ENSG00000143429	LOC645166	lymphocyte-specific protein 1 pseudogene	645166	272.8652682	-0.868759653	0.628124325	-1.383101432	0.166633767	0.999371363	Not Sig
ENSG00000257354	NA	NA	NA	44.55277286	-0.868696575	0.7604061	-1.14241137	0.253283068	0.999371363	Not Sig
ENSG00000248664	NA	NA	NA	1.804005234	-0.868606967	2.233935961	-0.388823575	0.69740666	NA	NA
ENSG00000077063	CTTNBP2	cortactin binding protein 2	83992	128.1810746	-0.868378952	0.820977162	-1.057738256	0.290174789	0.999371363	Not Sig
ENSG00000229419	RALGAPA1P1	Ral GTPase activating protein catalytic alpha subunit 1 pseudogene 1	26134	80.57288412	-0.868100289	0.54714195	-1.586608902	0.11260125	0.999371363	Not Sig
ENSG00000204967	PCDHA4	protocadherin alpha 4	56144	22.69487841	-0.868022714	0.92994281	-0.933415157	0.350605657	0.999371363	Not Sig
ENSG00000087116	ADAMTS2	ADAM metalloproteinase with thrombospondin type 1 motif 2	9509	770.216162	-0.867600066	0.574079837	-1.511289204	0.130714783	0.999371363	Not Sig
ENSG00000225439	BOLA3-AS1	BOLA3 antisense RNA 1 (head to head)	100507171	29.9151927	-0.867476648	0.974562438	-0.890119107	0.373401934	0.999371363	Not Sig
ENSG00000118849	RARRES1	retinoic acid receptor responder 1	5918	321.4765796	-0.867451548	0.558456035	-1.553303203	0.120350715	0.999371363	Not Sig
ENSG00000101892	ATP1B4	ATPase Na ⁺ /K ⁺ transporting family member beta 4	23439	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000168269	FOXI1	forkhead box I1	2299	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000170820	FSHR	follicle stimulating hormone receptor	2492	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA

ENSG00000207617	MIR3074	microRNA 3074	100422842	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000207755	MIR450A2	microRNA 450a-2	574505	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000207807	MIR95	microRNA 95	407052	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000208005	MIR503	microRNA 503	574506	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000211821	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000213569	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000214878	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000215871	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000216054	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000216412	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000220868	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000221970	OR2A1	olfactory receptor family 2 subfamily A member 1	346528	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000224079	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000224334	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000224632	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000224773	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000225979	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000226872	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000230550	ERLNC1	estrogen receptor responsive lncRNA 1	101929441	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000231636	AGBL5-AS1	AGBL5 antisense RNA 1	100874031	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000232699	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000234152	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000237328	RAI1-AS1	RAI1 antisense RNA 1	100861516	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000238041	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000238596	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000242531	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000248409	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000251066	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000251257	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000254019	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000254311	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000257452	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000261103	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000261276	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000264574	MIR1254-2	microRNA 1254-2	100616217	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA

ENSG00000265252	MIR3132	microRNA 3132	100423039	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000267166	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000267845	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000268000	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000268095	ZNF649-AS1	ZNF649 antisense RNA 1	101928571	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000268955	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000269225	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000269385	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000269496	NA	NA	NA	0.451229275	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000272158	NA	NA	NA	0.486129613	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000104848	KCNA7	potassium voltage-gated channel subfamily A member 7	3743	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000156925	ZIC3	Zic family member 3	7547	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000218153	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000229083	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000231830	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000234655	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000235628	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000236319	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000237163	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000237745	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000237863	LOC101928358	uncharacterized LOC101928358	101928358	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000241282	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000243859	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000254498	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000260188	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000270300	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000271146	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000271196	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000271304	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000271543	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000272351	NA	NA	NA	0.444791739	-0.867285152	4.054116239	-0.213927056	0.830603941	NA	NA
ENSG00000231906	NA	NA	NA	2.845792701	-0.86705746	1.551561121	-0.558829071	0.57627838	NA	NA
ENSG00000243702	NA	NA	NA	1.658804083	-0.86561037	2.232509788	-0.387729709	0.698216068	NA	NA
ENSG00000229589	ACVR2B-AS1	ACVR2B antisense RNA 1	100128640	27.40381127	-0.865608442	0.867787468	-0.997488986	0.318527217	0.999371363	Not Sig
ENSG00000233411	NA	NA	NA	12.90486524	-0.864288949	1.032930611	-0.836734762	0.402741675	0.999371363	Not Sig

ENSG00000221406	MIR320B2	microRNA 320b-2	100313769	11.48165565	-0.864157481	1.143849714	-0.75548166	0.449960032	0.999371363	Not Sig
ENSG00000267798	NA	NA	NA	25.31977508	-0.864130717	0.937137833	-0.922095647	0.356478687	0.999371363	Not Sig
ENSG00000199053	MIR324	microRNA 324	442898	1.338483486	-0.864125733	1.931523848	-0.447380307	0.654600492	NA	NA
ENSG00000212024	MIR550A3	microRNA 550a-3	100616354	11.58327151	-0.863970179	0.933753599	-0.925265701	0.354827715	0.999371363	Not Sig
ENSG00000271852	SNORD11B	small nucleolar RNA, C/D box 11B	100113392	7.704559159	-0.863906627	1.48825805	-0.580481743	0.561589795	0.999371363	Not Sig
ENSG00000238857	NA	NA	NA	3.31131445	-0.863561677	1.541059417	-0.560368839	0.575227882	NA	NA
ENSG00000235381	NA	NA	NA	67.41755695	-0.863408538	0.617829715	-1.397486261	0.162267395	0.999371363	Not Sig
ENSG00000171316	CHD7	chromodomain helicase DNA binding protein 7	55636	2115.301389	-0.863175424	0.585146054	-1.475145254	0.140173496	0.999371363	Not Sig
ENSG00000240889	NDUFB2-AS1	NDUFB2 antisense RNA 1	100134713	18.1672643	-0.862663776	0.807926974	-1.06774969	0.285633438	0.999371363	Not Sig
ENSG00000226432	NA	NA	NA	2.267805528	-0.862307368	1.811720714	-0.475960429	0.63410257	NA	NA
ENSG00000109771	LRP2BP	LRP2 binding protein	55805	57.06951113	-0.862284244	0.626857012	-1.375567676	0.16895552	0.999371363	Not Sig
ENSG00000241913	NA	NA	NA	14.51157984	-0.861776844	1.033517249	-0.833829183	0.404377248	0.999371363	Not Sig
ENSG00000204882	GPR20	G protein-coupled receptor 20	2843	32.30292096	-0.861646221	0.942996376	-0.913732272	0.360857542	0.999371363	Not Sig
ENSG00000104881	PPP1R13L	protein phosphatase 1 regulatory subunit 13 like	10848	1420.853247	-0.861585288	0.666610395	-1.292487028	0.196188535	0.999371363	Not Sig
ENSG00000261611	NA	NA	NA	7.168810828	-0.861195342	1.067925113	-0.806419225	0.420001166	0.999371363	Not Sig
ENSG00000231952	NA	NA	NA	62.64024359	-0.860815057	0.960338817	-0.896365993	0.370057324	0.999371363	Not Sig
ENSG00000155903	RASA2	RAS p21 protein activator 2	5922	1272.843879	-0.860800954	0.77533957	-1.110224457	0.266902316	0.999371363	Not Sig
ENSG00000119139	TJP2	tight junction protein 2	9414	2932.784599	-0.860500949	0.480836745	-1.789590664	0.07351974	0.999371363	Not Sig
ENSG00000214021	TTL3	tubulin tyrosine ligase like 3	26140	605.8541592	-0.860290213	0.541190049	-1.589626813	0.11191895	0.999371363	Not Sig
ENSG00000216480	NA	NA	NA	1.774823372	-0.859826652	1.800911753	-0.477439636	0.633049096	NA	NA
ENSG00000270246	NA	NA	NA	35.02460767	-0.859457074	0.779095815	-1.103146824	0.269963409	0.999371363	Not Sig
ENSG00000179859	LINC02581	long intergenic non-protein coding RNA 2581	284023	69.85135467	-0.859434362	0.566926849	-1.515952832	0.12953128	0.999371363	Not Sig
ENSG00000238294	NA	NA	NA	1.742624796	-0.85902777	2.224214967	-0.386216163	0.699336584	NA	NA
ENSG00000172167	MTBP	MDM2 binding protein	27085	154.8130936	-0.85875082	0.760601929	-1.129041075	0.258880507	0.999371363	Not Sig
ENSG00000248099	INSL3	insulin like 3	3640	1.763536713	-0.85805651	1.984643746	-0.432347877	0.665488595	NA	NA
ENSG00000167615	LENG8	leukocyte receptor cluster member 8	114823	5187.075448	-0.857865267	0.449472404	-1.908604978	0.056313069	0.999371363	Not Sig
ENSG00000236375	NA	NA	NA	36.9598593	-0.85783185	0.606350169	-1.414746618	0.157142801	0.999371363	Not Sig
ENSG00000249784	SCARNA22	small Cajal body-specific RNA 22	677770	2.283697312	-0.857343532	1.570043631	-0.546063508	0.585022283	NA	NA
ENSG00000237506	NA	NA	NA	4.070858603	-0.857204875	1.384043897	-0.619348041	0.535687103	NA	NA
ENSG00000196263	ZNF471	zinc finger protein 471	57573	240.2574883	-0.856986386	0.577435696	-1.484124365	0.13777593	0.999371363	Not Sig
ENSG00000222767	NA	NA	NA	4.219309567	-0.856711106	1.619854922	-0.52888138	0.59688774	NA	NA
ENSG00000123009	NA	NA	NA	1.35437527	-0.856599538	2.368613352	-0.361645998	0.717616587	NA	NA
ENSG00000013588	GPRC5A	G protein-coupled receptor class C group 5 member A	9052	14556.95824	-0.855983329	0.683547683	-1.252265717	0.210473057	0.999371363	Not Sig
ENSG00000222370	SNORA36B	small nucleolar RNA, H/ACA box 36B	677818	9.744904045	-0.855342323	1.410681693	-0.606332617	0.544293904	0.999371363	Not Sig
ENSG00000214826	NA	NA	NA	158.1731214	-0.855088436	0.746480951	-1.145492641	0.252005142	0.999371363	Not Sig

ENSG00000224812	TMEM72-AS1	TMEM72 antisense RNA 1	220980	8.171547176	-0.854926426	0.960933563	-0.889683178	0.373636029	0.999371363	Not Sig
ENSG00000240869	NA	NA	NA	2.915470275	-0.854871843	1.984141981	-0.430852152	0.666575876	NA	NA
ENSG00000230371	NA	NA	NA	1.834067348	-0.854638616	1.944675974	-0.439476101	0.660316595	NA	NA
ENSG00000177425	PAWR	pro-apoptotic Wt1 regulator	5074	1549.181276	-0.854494124	0.621431339	-1.375041891	0.169118458	0.999371363	Not Sig
ENSG00000184599	FAM19A3	<small>family with sequence similarity 19 member A3, C-C motif chemokine like</small>	284467	0.836047081	-0.853917489	2.762639	-0.30909485	0.757249376	NA	NA
ENSG00000237451	NA	NA	NA	0.836047081	-0.853917489	2.762639	-0.30909485	0.757249376	NA	NA
ENSG00000263909	MIR5000	microRNA 5000	100846995	0.836047081	-0.853917489	2.762639	-0.30909485	0.757249376	NA	NA
ENSG00000261783	NA	NA	NA	33.97604867	-0.85229275	0.928862696	-0.917565916	0.358846169	0.999371363	Not Sig
ENSG00000212429	NA	NA	NA	6.05263481	-0.852164702	1.105111522	-0.771111952	0.440640577	NA	NA
ENSG00000205571	SMN1	survival of motor neuron 1, telomeric	6606	87.38969508	-0.852077202	0.614058611	-1.387615426	0.165254182	0.999371363	Not Sig
ENSG00000205571	SMN2	survival of motor neuron 2, centromeric	6607	87.38969508	-0.852077202	0.614058611	-1.387615426	0.165254182	0.999371363	Not Sig
ENSG00000229585	NA	NA	NA	18.57974609	-0.852054504	0.848281138	-1.00444825	0.315162603	0.999371363	Not Sig
ENSG00000232686	NA	NA	NA	21.18611422	-0.852036511	1.00401035	-0.848633195	0.39608543	0.999371363	Not Sig
ENSG00000186049	KRT73	keratin 73	319101	1.00487281	-0.851993338	2.993607587	-0.284604215	0.775947381	NA	NA
ENSG00000258355	NA	NA	NA	10.3111937	-0.851683101	0.91123193	-0.934650195	0.349968602	0.999371363	Not Sig
ENSG00000273466	NA	NA	NA	26.92227864	-0.851471758	0.665875777	-1.278724633	0.200994042	0.999371363	Not Sig
ENSG00000162849	KIF26B	kinesin family member 26B	55083	1344.456941	-0.851253609	0.892887399	-0.953371735	0.340401757	0.999371363	Not Sig
ENSG00000106565	TMEM176B	transmembrane protein 176B	28959	1422.982985	-0.850951517	0.792787003	-1.073367138	0.283106423	0.999371363	Not Sig
ENSG00000234073	NA	NA	NA	10.10957786	-0.850798653	1.025702843	-0.829478693	0.406833589	0.999371363	Not Sig
ENSG00000264133	NA	NA	NA	10.32082571	-0.850154505	0.997979901	-0.851875378	0.394283264	0.999371363	Not Sig
ENSG00000139112	GABARAPL1	<small>GABA type A receptor associated protein like 1</small>	23710	1646.09666	-0.849964281	0.494351313	-1.719352735	0.085550163	0.999371363	Not Sig
ENSG00000163357	DCST1	DC-STAMP domain containing 1	149095	5.698001262	-0.849542413	1.0955279	-0.775463968	0.438065549	NA	NA
ENSG00000255200	NA	NA	NA	10.12692542	-0.849507503	1.152947298	-0.73681382	0.461235578	0.999371363	Not Sig
ENSG00000241003	NA	NA	NA	34.81284529	-0.849384869	1.141849758	-0.743867451	0.456956668	0.999371363	Not Sig
ENSG00000203427	NA	NA	NA	2.676551964	-0.849332275	1.464853192	-0.579807096	0.562044712	NA	NA
ENSG00000189152	GRAPL	GRB2 related adaptor protein like	400581	3.154826639	-0.849243064	1.673945244	-0.507330253	0.611923115	NA	NA
ENSG00000165115	KIF27	kinesin family member 27	55582	388.6473571	-0.848808796	0.5574625	-1.522629408	0.127851448	0.999371363	Not Sig
ENSG00000267228	NA	NA	NA	2.955634744	-0.848586844	1.587507799	-0.534540268	0.592967797	NA	NA
ENSG00000177380	PPFIA3	PTPRF interacting protein alpha 3	8541	143.5699896	-0.848573696	0.635840038	-1.334571033	0.182016784	0.999371363	Not Sig
ENSG00000236056	NA	NA	NA	6.293297621	-0.84807063	1.149431105	-0.737817714	0.460625228	NA	NA
ENSG00000124785	NRN1	neuritin 1	51299	142.7686703	-0.84791451	1.029083528	-0.823951105	0.409967341	0.999371363	Not Sig
ENSG00000250320	NA	NA	NA	37.41374757	-0.847164877	0.816996398	-1.036926085	0.299770306	0.999371363	Not Sig
ENSG00000269356	NA	NA	NA	11.20373508	-0.846891044	0.865357261	-0.978660586	0.327747713	0.999371363	Not Sig
ENSG00000158373	HIST1H2BD	histone cluster 1 H2B family member d	3017	1190.399258	-0.846519773	0.821943536	-1.029900153	0.303056879	0.999371363	Not Sig
ENSG00000127191	TRAF2	TNF receptor associated factor 2	7186	717.6586627	-0.846170145	0.527916815	-1.602847496	0.108968328	0.999371363	Not Sig

ENSG00000106701	FSD1L	fibronectin type III and SPRY domain containing 1 like	83856	222.2332641	-0.846129753	0.712381798	-1.187747575	0.234932874	0.999371363	Not Sig
ENSG00000243679	NA	NA	NA	510.6056372	-0.845490791	0.533423548	-1.58502712	0.112960173	0.999371363	Not Sig
ENSG00000207297	SNORD7	small nucleolar RNA, C/D box 7	692076	2.571819333	-0.845401819	1.592277436	-0.530938767	0.595461212	NA	NA
ENSG00000113657	DPYSL3	dihydropyrimidinase like 3	1809	4201.057329	-0.844868664	0.400082788	-2.111734596	0.03470922	0.965260677	Not Sig
ENSG00000253180	NA	NA	NA	15.4913832	-0.84461878	0.813885818	-1.037760778	0.299381441	0.999371363	Not Sig
ENSG00000215067	ALOX12-AS1	ALOX12 antisense RNA 1	100506713	128.3955285	-0.844562155	0.54743559	-1.542760775	0.12288883	0.999371363	Not Sig
ENSG00000266568	NA	NA	NA	2.793988655	-0.844453467	1.792542089	-0.471092685	0.637574548	NA	NA
ENSG00000230910	LOC101928307	uncharacterized LOC101928307	101928307	19.10544645	-0.844104818	0.919496394	-0.918007752	0.358614807	0.999371363	Not Sig
ENSG00000153495	TEX29	testis expressed 29	121793	5.068258909	-0.843252774	1.220156119	-0.69110236	0.489501217	NA	NA
ENSG00000270705	NA	NA	NA	4.123045083	-0.841872998	1.432041574	-0.587883071	0.55661078	NA	NA
ENSG00000064042	LIMCH1	LIM and calponin homology domains 1	22998	8120.800846	-0.841620907	0.546344704	-1.540457702	0.123448826	0.999371363	Not Sig
ENSG00000246263	UBR5-AS1	UBR5 antisense RNA 1	101927221	57.97937467	-0.841214598	0.592729322	-1.419222175	0.155834253	0.999371363	Not Sig
ENSG00000241939	NA	NA	NA	21.94098026	-0.841189915	0.74324014	-1.13178752	0.257723776	0.999371363	Not Sig
ENSG00000124802	EEF1E1	eukaryotic translation elongation factor 1 epsilon 1	9521	91.25411654	-0.841051098	0.903864131	-0.930506111	0.352109101	0.999371363	Not Sig
ENSG00000261837	NA	NA	NA	21.50469571	-0.840995181	0.698800898	-1.203483257	0.228789367	0.999371363	Not Sig
ENSG00000176533	GNG7	G protein subunit gamma 7	2788	249.8081615	-0.840564191	0.962885132	-0.87296414	0.382682624	0.999371363	Not Sig
ENSG00000242457	NA	NA	NA	0.813302753	-0.840199139	2.776810176	-0.302577089	0.762212177	NA	NA
ENSG00000245711	NA	NA	NA	0.813302753	-0.840199139	2.776810176	-0.302577089	0.762212177	NA	NA
ENSG00000270978	NA	NA	NA	0.813302753	-0.840199139	2.776810176	-0.302577089	0.762212177	NA	NA
ENSG00000163681	SLMAP	sarcolemma associated protein	7871	2523.47139	-0.840045252	0.606748591	-1.384503013	0.166204486	0.999371363	Not Sig
ENSG00000204764	RANBP17	RAN binding protein 17	64901	872.3332691	-0.839861789	0.727088405	-1.155102712	0.248048368	0.999371363	Not Sig
ENSG00000249840	NA	NA	NA	7.155647997	-0.839580122	1.006387594	-0.834251263	0.404139409	0.999371363	Not Sig
ENSG00000137812	KNL1	kinetochore scaffold 1	57082	299.0249906	-0.839370379	1.068172721	-0.785800238	0.431984527	0.999371363	Not Sig
ENSG00000108960	MMD	monocyte to macrophage differentiation associated	23531	430.7862695	-0.839354517	0.648599819	-1.2941023	0.195630087	0.999371363	Not Sig
ENSG00000181458	TMEM45A	transmembrane protein 45A	55076	278.7667138	-0.839278105	0.712343202	-1.178193465	0.238719487	0.999371363	Not Sig
ENSG00000258645	NA	NA	NA	0.842484616	-0.839020286	3.185159693	-0.263415454	0.792230381	NA	NA
ENSG00000259377	NA	NA	NA	3.539644445	-0.838576223	1.355899423	-0.618464916	0.536268918	NA	NA
ENSG00000229387	NA	NA	NA	2.05809627	-0.838504016	2.093137487	-0.400596722	0.68871706	NA	NA
ENSG00000206638	NA	NA	NA	6.816314701	-0.838287848	1.498400326	-0.559455196	0.5758511	0.999371363	Not Sig
ENSG00000228807	NA	NA	NA	2.135479448	-0.838160387	1.582517281	-0.529637431	0.596363337	NA	NA
ENSG00000211553	NA	NA	NA	17.51932394	-0.838137154	0.865589571	-0.968284719	0.332902195	0.999371363	Not Sig
ENSG00000265694	MIR4774	microRNA 4774	100616356	5.470236567	-0.838119979	1.40441862	-0.596773617	0.550658535	NA	NA
ENSG00000199977	NA	NA	NA	11.92789861	-0.837988774	1.124244625	-0.745379391	0.456042399	0.999371363	Not Sig
ENSG00000199856	NA	NA	NA	17.23421324	-0.83796157	0.896176083	-0.935041212	0.349767061	0.999371363	Not Sig
ENSG00000267512	NA	NA	NA	1.840504883	-0.837903057	2.170155755	-0.386102728	0.69942059	NA	NA

ENSG00000126218	F10	coagulation factor X	2159	104.0875182	-0.83784241	0.947725594	-0.884055908	0.376666033	0.999371363	Not Sig
ENSG00000249007	NA	NA	NA	83.32186849	-0.837807629	0.693723896	-1.207696078	0.227164187	0.999371363	Not Sig
ENSG00000272491	NA	NA	NA	22.11705021	-0.837801976	0.70776693	-1.1837258	0.236521623	0.999371363	Not Sig
ENSG00000183891	TTC32	tetratricopeptide repeat domain 32	130502	150.3696696	-0.837633152	0.47376242	-1.768044736	0.077053425	0.999371363	Not Sig
ENSG00000175544	CABP4	calcium binding protein 4	57010	95.7947684	-0.837616623	0.635825225	-1.317369287	0.187714871	0.999371363	Not Sig
ENSG00000091436	MAP3K20	mitogen-activated protein kinase kinase kinase 20	51776	1443.966631	-0.835920383	0.482917167	-1.730980882	0.083455174	0.999371363	Not Sig
ENSG00000187118	CMC1	C-X9-C motif containing 1	152100	383.9965041	-0.835860421	0.643348321	-1.299234635	0.193863419	0.999371363	Not Sig
ENSG00000080345	RIF1	replication timing regulatory factor 1	55183	4405.006607	-0.835741522	0.633241303	-1.319783655	0.18690726	0.999371363	Not Sig
ENSG00000105186	ANKRD27	ankyrin repeat domain 27	84079	892.0654051	-0.835025844	0.485077613	-1.721427297	0.085173314	0.999371363	Not Sig
ENSG00000173267	SNCG	synuclein gamma	6623	130.0440912	-0.835018411	0.699721859	-1.193357618	0.232729346	0.999371363	Not Sig
ENSG00000257243	NA	NA	NA	10.11013267	-0.834897705	1.037854449	-0.804445851	0.42113953	0.999371363	Not Sig
ENSG00000260647	NA	NA	NA	10.47540477	-0.834706767	0.915651613	-0.911598643	0.361980037	0.999371363	Not Sig
ENSG00000211840	NA	NA	NA	3.048494698	-0.834650608	1.393211208	-0.599084046	0.54911684	NA	NA
ENSG00000226758	DISC1-IT1	DISC1 intronic transcript 1	104472714	19.00768226	-0.834475125	0.987102318	-0.845378548	0.397899518	0.999371363	Not Sig
ENSG00000213363	NA	NA	NA	1.228901732	-0.834117638	2.398202718	-0.347809479	0.72798327	NA	NA
ENSG00000270813	NA	NA	NA	1.228901732	-0.834117638	2.398202718	-0.347809479	0.72798327	NA	NA
ENSG00000072832	CRMP1	collapsin response mediator protein 1	1400	111.2747713	-0.833842587	0.788684885	-1.057256963	0.290394329	0.999371363	Not Sig
ENSG00000236180	NA	NA	NA	2.235191945	-0.833502001	1.552620467	-0.536835639	0.591381151	NA	NA
ENSG00000226763	SRRM5	serine/arginine repetitive matrix 5	100170229	10.93574479	-0.833224343	1.052137751	-0.791934652	0.428398781	0.999371363	Not Sig
ENSG00000224165	DNAJC27-AS1	DNAJC27 antisense RNA 1	729723	55.83153192	-0.833064996	0.664313606	-1.254023684	0.209833397	0.999371363	Not Sig
ENSG00000091127	PUS7	pseudouridylate synthase 7 (putative)	54517	383.4045167	-0.832504751	0.661171244	-1.259136356	0.207981085	0.999371363	Not Sig
ENSG00000222858	NA	NA	NA	4.346067465	-0.831338097	1.560922761	-0.532594	0.594314657	NA	NA
ENSG00000267277	NA	NA	NA	9.976942342	-0.830895305	0.948983329	-0.875563648	0.381267295	0.999371363	Not Sig
ENSG00000225125	NA	NA	NA	14.2538073	-0.830502061	0.770717015	-1.077570684	0.281225391	0.999371363	Not Sig
ENSG00000243746	NA	NA	NA	20.67346476	-0.830406425	0.806464574	-1.029687418	0.303156764	0.999371363	Not Sig
ENSG00000271842	NA	NA	NA	1.826030502	-0.830259682	2.194294163	-0.378372096	0.705154194	NA	NA
ENSG00000261654	NA	NA	NA	42.9661089	-0.830219479	0.967651364	-0.85797376	0.390906953	0.999371363	Not Sig
ENSG00000263838	MIR4698	microRNA 4698	100616486	6.891710751	-0.829295962	1.115689698	-0.743303414	0.457298005	0.999371363	Not Sig
ENSG00000213700	NA	NA	NA	30.61023986	-0.829069808	0.751910848	-1.102617167	0.270193452	0.999371363	Not Sig
ENSG00000235001	NA	NA	NA	1.755499867	-0.829002691	1.955673807	-0.423896198	0.671641517	NA	NA
ENSG00000184226	PCDH9	protocadherin 9	5101	167.1528566	-0.828834748	0.959791093	-0.863557449	0.387831047	0.999371363	Not Sig
ENSG00000177311	ZBTB38	zinc finger and BTB domain containing 38	253461	3840.105897	-0.82811883	0.520312047	-1.591581118	0.111478855	0.999371363	Not Sig
ENSG00000148541	FAM13C	family with sequence similarity 13 member C	220965	250.1642976	-0.828015598	0.704793952	-1.174833575	0.240061305	0.999371363	Not Sig
ENSG00000172915	NBEA	neurobeachin	26960	1219.917024	-0.827561346	0.670877384	-1.233550819	0.217370329	0.999371363	Not Sig
ENSG00000265253	MIR4446	microRNA 4446	100616476	4.011299677	-0.826718628	1.277140177	-0.647320195	0.517424734	NA	NA

ENSG00000200550	NA	NA	NA	6.213412796	-0.826561409	1.40629278	-0.587759122	0.556693986	NA	NA
ENSG00000023697	DERA	deoxyribose-phosphate aldolase	51071	609.6889782	-0.826305799	0.650416543	-1.270425557	0.203933084	0.999371363	Not Sig
ENSG00000221628	MIR1302-4	microRNA 1302-4	100302130	0.913015251	-0.826137377	2.718587292	-0.303884808	0.761215652	NA	NA
ENSG00000120457	KCNJ5	potassium voltage-gated channel subfamily J member 5	3762	342.8345765	-0.825987748	1.031380632	-0.800856369	0.423214801	0.999371363	Not Sig
ENSG00000245017	LINC02453	long intergenic non-protein coding RNA 2453	643770	7.526904536	-0.824664515	0.970764452	-0.849500116	0.395603066	0.999371363	Not Sig
ENSG00000169246	NPIP3	nuclear pore complex interacting protein family member B3	23117	198.656316	-0.824004947	0.487515561	-1.690212607	0.090987287	0.999371363	Not Sig
ENSG00000235376	RPEL1	ribulose-5-phosphate-3-epimerase like 1	729020	1.662224905	-0.824002265	1.960355206	-0.420333143	0.674242101	NA	NA
ENSG00000158089	GALNT14	polypeptide N-acetylgalactosaminyltransferase 14	79623	151.3789845	-0.823694219	1.116494186	-0.737750567	0.460666038	0.999371363	Not Sig
ENSG00000254463	NA	NA	NA	51.15776171	-0.823681498	0.650424138	-1.266375968	0.20537851	0.999371363	Not Sig
ENSG00000200834	NA	NA	NA	11.61872625	-0.823564389	0.868584711	-0.948168185	0.343043841	0.999371363	Not Sig
ENSG00000207709	NA	NA	NA	5.889283559	-0.823420469	1.111626266	-0.740734988	0.45885414	NA	NA
ENSG00000272247	NA	NA	NA	4.428758256	-0.822749253	1.741574233	-0.472416987	0.636629181	NA	NA
ENSG00000266371	NA	NA	NA	71.08016009	-0.822699685	1.034092205	-0.79557672	0.426278102	0.999371363	Not Sig
ENSG00000248166	NA	NA	NA	3.030355497	-0.821944453	1.684932162	-0.487820502	0.625676988	NA	NA
ENSG00000104237	RP1	RP1, axonemal microtubule associated	6101	222.7223433	-0.821859665	0.569067716	-1.444221209	0.148676761	0.999371363	Not Sig
ENSG00000198975	MIRLET7A2	microRNA let-7a-2	406882	3.59440544	-0.821651933	1.63954298	-0.501146932	0.61626772	NA	NA
ENSG00000168993	CPLX1	complexin 1	10815	144.567322	-0.821315938	0.617238269	-1.330630291	0.18331069	0.999371363	Not Sig
ENSG00000252627	NA	NA	NA	16.26565941	-0.821292585	1.565548942	-0.524603584	0.599858795	0.999371363	Not Sig
ENSG00000102554	KLF5	Kruppel like factor 5	688	2646.434475	-0.821203825	0.583821173	-1.406601648	0.159545544	0.999371363	Not Sig
ENSG00000120896	SORBS3	sorbin and SH3 domain containing 3	10174	1781.297153	-0.821002819	0.89524986	-0.917065565	0.359108284	0.999371363	Not Sig
ENSG00000133302	SLF1	SMC5-SMC6 complex localization factor 1	84250	361.1694216	-0.820693518	0.736735948	-1.113958835	0.265296847	0.999371363	Not Sig
ENSG00000122970	IFT81	intraflagellar transport 81	28981	629.5192394	-0.820684127	0.65362309	-1.255592313	0.20926382	0.999371363	Not Sig
ENSG00000207279	SNORD116-24	small nucleolar RNA, C/D box 116-24	100033435	15.66076334	-0.820554238	0.750288751	-1.09365126	0.274107958	0.999371363	Not Sig
ENSG00000226648	PLCG1-AS1	PLCG1 antisense RNA 1	101927117	8.278411844	-0.820390415	0.903064151	-0.908451979	0.363639474	0.999371363	Not Sig
ENSG00000215946	NA	NA	NA	23.01212911	-0.820164296	0.726841892	-1.128394366	0.259153406	0.999371363	Not Sig
ENSG00000238829	NA	NA	NA	42.11854003	-0.820101784	0.689415969	-1.18956018	0.234219305	0.999371363	Not Sig
ENSG00000198695	ND6	NADH dehydrogenase, subunit 6 (complex I)	4541	4014.959127	-0.819917798	0.757687871	-1.082131348	0.279194168	0.999371363	Not Sig
ENSG00000198408	MGEA5	meningioma expressed antigen 5 (hyaluronidase)	10724	4614.716496	-0.81949225	0.512590848	-1.598725871	0.109881527	0.999371363	Not Sig
ENSG00000180875	GREM2	gremlin 2, DAN family BMP antagonist	64388	56.53219742	-0.819417238	0.876963987	-0.934379575	0.35010813	0.999371363	Not Sig
ENSG00000236939	BAALC-AS2	BAALC antisense RNA 2	157556	4.616431349	-0.819155758	1.686339158	-0.485759791	0.627137486	NA	NA
ENSG00000206965	NA	NA	NA	2.718304845	-0.819119089	1.500021786	-0.546071461	0.585016816	NA	NA
ENSG00000254500	NA	NA	NA	3.524755056	-0.819081411	1.27632175	-0.641751511	0.521034538	NA	NA
ENSG00000253516	NA	NA	NA	27.13973209	-0.819014376	0.868175362	-0.94337436	0.345489453	0.999371363	Not Sig
ENSG00000125618	PAX8	paired box 8	7849	53.27520576	-0.818759491	0.81874626	-1.000016161	0.317302687	0.999371363	Not Sig
ENSG00000230630	DNM3OS	DNM3 opposite strand/antisense RNA	100628315	81.84673135	-0.81873109	0.759307218	-1.078260644	0.280917455	0.999371363	Not Sig

ENSG00000214733	NA	NA	NA	14.23728602	-0.818501074	0.905648769	-0.903773187	0.366115682	0.999371363	Not Sig
ENSG00000243745	NA	NA	NA	11.62474878	-0.818473997	0.905108806	-0.904282437	0.365845657	0.999371363	Not Sig
ENSG00000269415	NA	NA	NA	3.862201562	-0.817908051	1.584945512	-0.516048056	0.605820846	NA	NA
ENSG00000244703	NA	NA	NA	1.289978118	-0.817778114	2.438151539	-0.335409059	0.737316535	NA	NA
ENSG00000213703	NA	NA	NA	14.69425114	-0.817722196	0.972606469	-0.8407534	0.400486098	0.999371363	Not Sig
ENSG00000032742	IFT88	intraflagellar transport 88	8100	498.6191723	-0.817641994	0.647629943	-1.262514192	0.206763823	0.999371363	Not Sig
ENSG00000265939	NA	NA	NA	3.362781869	-0.81758289	1.437525008	-0.56874342	0.569530277	NA	NA
ENSG00000196566	NA	NA	NA	0.988566019	-0.817462258	3.04261966	-0.268670537	0.788183226	NA	NA
ENSG00000207948	MIR328	microRNA 328	442901	0.988566019	-0.817462258	3.04261966	-0.268670537	0.788183226	NA	NA
ENSG00000236047	NA	NA	NA	45.66714528	-0.817346642	0.639855413	-1.277392714	0.201463636	0.999371363	Not Sig
ENSG00000264895	NA	NA	NA	70.86227697	-0.816704371	0.669930226	-1.219088704	0.222810527	0.999371363	Not Sig
ENSG00000252021	NA	NA	NA	3.726454658	-0.815569264	1.315112759	-0.620151587	0.535157992	NA	NA
ENSG00000203815	NA	NA	NA	24.54910131	-0.815445601	0.707941836	-1.151853952	0.249381093	0.999371363	Not Sig
ENSG00000077092	RARB	retinoic acid receptor beta	5915	240.142377	-0.815013497	0.479108989	-1.701102497	0.088923742	0.999371363	Not Sig
ENSG00000204130	RUFY2	RUN and FYVE domain containing 2	55680	668.037615	-0.814397268	0.641914447	-1.268700638	0.204547855	0.999371363	Not Sig
ENSG00000159917	ZNF235	zinc finger protein 235	9310	238.5211145	-0.814005935	0.469049995	-1.735433336	0.082663726	0.999371363	Not Sig
ENSG00000265753	NA	NA	NA	6.925758029	-0.813505152	1.038699809	-0.78319563	0.433512241	0.999371363	Not Sig
ENSG00000197343	ZNF655	zinc finger protein 655	79027	1895.984892	-0.813163365	0.560107236	-1.451799429	0.146557383	0.999371363	Not Sig
ENSG00000105996	HOXA2	homeobox A2	3199	37.42882243	-0.81287564	0.637320061	-1.275459051	0.202146809	0.999371363	Not Sig
ENSG00000228446	NA	NA	NA	54.9011681	-0.81257173	0.676901488	-1.200428341	0.229973027	0.999371363	Not Sig
ENSG00000116285	ERRFI1	ERBB receptor feedback inhibitor 1	54206	4952.015556	-0.81235351	0.836429014	-0.971216321	0.331440568	0.999371363	Not Sig
ENSG00000185267	CDNF	cerebral dopamine neurotrophic factor	441549	42.76185272	-0.812231144	0.676948861	-1.199841217	0.230201013	0.999371363	Not Sig
ENSG00000266407	MIR3157	microRNA 3157	100422892	4.961489874	-0.812189148	1.506109091	-0.539263161	0.589705285	NA	NA
ENSG00000270281	NA	NA	NA	2.225322689	-0.81169128	1.55236674	-0.522873403	0.601062355	NA	NA
ENSG00000164932	CTHRC1	collagen triple helix repeat containing 1	115908	394.2887347	-0.811634722	0.880006712	-0.92230515	0.356369429	0.999371363	Not Sig
ENSG00000182648	C7orf13	chromosome 7 open reading frame 13	129790	36.53226356	-0.811399185	0.715780635	-1.133586388	0.256968086	0.999371363	Not Sig
ENSG00000182648	LINC01006	long intergenic non-protein coding RNA 1006	100506380	36.53226356	-0.811399185	0.715780635	-1.133586388	0.256968086	0.999371363	Not Sig
ENSG00000189223	PAX8-AS1	PAX8 antisense RNA 1	654433	439.6517784	-0.811158952	0.781091473	-1.038494183	0.299040042	0.999371363	Not Sig
ENSG00000261186	LINC01238	long intergenic non-protein coding RNA 1238	102723927	3.977805843	-0.811089849	1.412679551	-0.574149919	0.565866356	NA	NA
ENSG00000204946	ZNF783	zinc finger family member 783	100289678	488.5627427	-0.811036919	0.574660254	-1.411332895	0.158146479	0.999371363	Not Sig
ENSG00000181358	CTAGE10P	CTAGE family member 10, pseudogene	220429	0.796995962	-0.810941561	3.224537636	-0.251490804	0.801434671	NA	NA
ENSG00000200120	NA	NA	NA	8.839141022	-0.810877681	1.204927506	-0.672968023	0.500967635	0.999371363	Not Sig
ENSG00000213236	NA	NA	NA	3.789252499	-0.81080176	1.348197487	-0.601396878	0.547575678	NA	NA
ENSG00000259326	NA	NA	NA	20.05941186	-0.810498981	0.837458027	-0.967808481	0.333140028	0.999371363	Not Sig
ENSG00000216109	NA	NA	NA	2.050059424	-0.810401349	1.835084964	-0.441615165	0.658767708	NA	NA

ENSG00000204957	NA	NA	NA	9.560502451	-0.810309269	0.964641655	-0.840010656	0.400902412	0.999371363	Not Sig
ENSG00000134668	SPOCD1	SPOC domain containing 1	90853	161.0163653	-0.81016885	0.919348776	-0.881242105	0.378186795	0.999371363	Not Sig
ENSG00000201448	SNORA63C	small nucleolar RNA, H/ACA box 63C	109616970	1.230319135	-0.809749846	2.480393123	-0.326460285	0.744076133	NA	NA
ENSG00000232888	NA	NA	NA	3.732892194	-0.809711043	1.28245659	-0.631375011	0.527795351	NA	NA
ENSG00000207093	SNORD116-8	small nucleolar RNA, C/D box 116-8	100033420	5.394702092	-0.80967125	1.151938146	-0.702877366	0.482132177	NA	NA
ENSG00000233540	DNM3-IT1	DNM3 intronic transcript 1	100874284	1.616736251	-0.809560925	1.962826843	-0.41244643	0.680012238	NA	NA
ENSG00000188803	SHISA6	shisa family member 6	388336	33.30450237	-0.809555012	1.08291108	-0.747572933	0.454717796	0.999371363	Not Sig
ENSG00000231035	NA	NA	NA	18.3134532	-0.809433524	0.697344648	-1.160736698	0.245748993	0.999371363	Not Sig
ENSG00000196417	ZNF765	zinc finger protein 765	91661	375.9178366	-0.80932529	0.491301616	-1.647308424	0.099494667	0.999371363	Not Sig
ENSG00000226766	NA	NA	NA	8.867552633	-0.809253783	1.06713567	-0.758341986	0.448246279	0.999371363	Not Sig
ENSG00000022556	NLRP2	NLR family pyrin domain containing 2	55655	557.7638355	-0.809139893	0.864309143	-0.93616954	0.349185903	0.999371363	Not Sig
ENSG00000255185	NA	NA	NA	22.50150131	-0.809138005	0.813908491	-0.994138792	0.320155302	0.999371363	Not Sig
ENSG00000230257	NFE4	nuclear factor, erythroid 4	58160	1.721468881	-0.809091213	2.220976624	-0.36429524	0.715637554	NA	NA
ENSG00000103375	AQP8	aquaporin 8	343	1.4055824	-0.809030565	2.071404914	-0.39057094	0.696114409	NA	NA
ENSG00000180221	NA	NA	NA	15.37307398	-0.808545683	0.7517843	-1.075502219	0.282149939	0.999371363	Not Sig
ENSG00000228501	NA	NA	NA	0.819740289	-0.808191999	2.46411463	-0.327984741	0.7429232	NA	NA
ENSG00000261174	NA	NA	NA	0.819740289	-0.808191999	2.46411463	-0.327984741	0.7429232	NA	NA
ENSG00000105339	DENND3	DENN domain containing 3	22898	2413.031194	-0.807776971	0.673333359	-1.199668723	0.230268025	0.999371363	Not Sig
ENSG00000232097	NA	NA	NA	6.829577309	-0.807736873	1.041471248	-0.775572897	0.438001208	0.999371363	Not Sig
ENSG00000142733	MAP3K6	mitogen-activated protein kinase kinase kinase 6	9064	1576.706538	-0.807312933	0.717269991	-1.125535633	0.260362127	0.999371363	Not Sig
ENSG00000252813	NA	NA	NA	5.217164219	-0.807301586	1.249716224	-0.645987921	0.518287178	NA	NA
ENSG00000029534	ANK1	ankyrin 1	286	46.60233229	-0.807156411	0.899709331	-0.897130199	0.369649446	0.999371363	Not Sig
ENSG00000035499	DEPDC1B	DEP domain containing 1B	55789	52.19787196	-0.806808762	1.030332613	-0.78305661	0.43359387	0.999371363	Not Sig
ENSG00000212802	NA	NA	NA	18.30423205	-0.806592138	0.693032806	-1.163858524	0.24448135	0.999371363	Not Sig
ENSG00000200914	NA	NA	NA	7.651477106	-0.806571243	1.087057828	-0.74197639	0.458101641	0.999371363	Not Sig
ENSG00000233303	XXYLT1-AS1	XXYLT1 antisense RNA 1	100874528	1.296415654	-0.806566623	2.175716019	-0.370713189	0.710851166	NA	NA
ENSG00000235618	FAM21EP	family with sequence similarity 21, member A pseudogene	100421577	17.95284599	-0.806206965	0.845481951	-0.953547222	0.340312882	0.999371363	Not Sig
ENSG00000251348	NA	NA	NA	85.94589269	-0.805854885	0.762826097	-1.056407074	0.290782275	0.999371363	Not Sig
ENSG00000135040	NAA35	N(alpha)-acetyltransferase 35, NatC auxiliary subunit	60560	663.7558284	-0.80557339	0.584374626	-1.37852219	0.168042122	0.999371363	Not Sig
ENSG00000170954	ZNF415	zinc finger protein 415	55786	162.4191433	-0.805094459	0.647311563	-1.243751085	0.213591188	0.999371363	Not Sig
ENSG00000265216	NA	NA	NA	4.436170996	-0.805012299	1.333260095	-0.60379239	0.54598168	NA	NA
ENSG00000214203	NA	NA	NA	5.447630677	-0.804951852	1.338753451	-0.601269675	0.547660384	NA	NA
ENSG00000230176	LINC01433	long intergenic non-protein coding RNA 1433	728228	2.828888994	-0.804569874	1.842591107	-0.436651339	0.662364224	NA	NA
ENSG00000259081	NA	NA	NA	17.17167086	-0.804499766	0.767516936	-1.048185035	0.294553364	0.999371363	Not Sig
ENSG00000235733	NA	NA	NA	5.561961084	-0.804446691	1.728292083	-0.465457603	0.641603791	NA	NA

ENSG00000268729	NA	NA	NA	8.920663126	-0.804389327	1.198234944	-0.671311858	0.502021882	0.999371363	Not Sig
ENSG00000255524	NPIP8	nuclear pore complex interacting protein family member 8	728734	1.636463865	-0.804301892	2.314441188	-0.347514508	0.728204821	NA	NA
ENSG00000002745	WNT16	Wnt family member 16	51384	0.919452786	-0.803955251	2.715207737	-0.296093459	0.767158709	NA	NA
ENSG00000186075	ZPBP2	zona pellucida binding protein 2	124626	0.919452786	-0.803955251	2.715207737	-0.296093459	0.767158709	NA	NA
ENSG00000263389	MIR3973	microRNA 3973	100616311	0.919452786	-0.803955251	2.715207737	-0.296093459	0.767158709	NA	NA
ENSG00000273079	GRIN2B	glutamate ionotropic receptor NMDA type subunit 2B	2904	7.105919283	-0.803365982	1.388229946	-0.578698064	0.562792923	0.999371363	Not Sig
ENSG00000140107	SLC25A47	solute carrier family 25 member 47	283600	1.607282002	-0.80308056	2.017270253	-0.398102613	0.690554548	NA	NA
ENSG00000180318	ALX1	ALX homeobox 1	8092	1.607282002	-0.80308056	2.017270253	-0.398102613	0.690554548	NA	NA
ENSG00000228409	NA	NA	NA	214.4885735	-0.80299361	0.59767018	-1.343539691	0.179097283	0.999371363	Not Sig
ENSG00000234618	NA	NA	NA	14.87130198	-0.802838576	0.875079011	-0.917446956	0.358908476	0.999371363	Not Sig
ENSG00000202515	VTRNA1-3	vault RNA 1-3	56662	1.312307438	-0.802637133	2.121304607	-0.37836958	0.705156063	NA	NA
ENSG00000214019	NA	NA	NA	1.312307438	-0.802637133	2.121304607	-0.37836958	0.705156063	NA	NA
ENSG00000266712	MIR3149	microRNA 3149	100422921	2.412132902	-0.801606143	2.086455888	-0.384195107	0.700833845	NA	NA
ENSG00000179477	ALOX12B	arachidonate 12-lipoxygenase, 12R type	242	8.863690289	-0.801326495	1.516982524	-0.52823713	0.597334761	0.999371363	Not Sig
ENSG00000207185	NA	NA	NA	13.26744755	-0.801323136	1.048435348	-0.764303815	0.444686213	0.999371363	Not Sig
ENSG00000180152	NA	NA	NA	3.299126823	-0.801123469	1.931986278	-0.414663126	0.67838853	NA	NA
ENSG00000198435	NRARP	NOTCH regulated ankyrin repeat protein	441478	344.1341597	-0.801089999	0.571808627	-1.400975714	0.161221335	0.999371363	Not Sig
ENSG00000206538	VGLL3	vestigial like family member 3	389136	1215.735079	-0.800774108	0.539681971	-1.483788881	0.137864938	0.999371363	Not Sig
ENSG00000197566	ZNF624	zinc finger protein 624	57547	179.2864413	-0.800718609	0.602044918	-1.32999812	0.183518891	0.999371363	Not Sig
ENSG00000270248	NA	NA	NA	4.179090438	-0.800709716	1.2802424	-0.625436024	0.531684925	NA	NA
ENSG00000269001	NA	NA	NA	67.53932614	-0.800337609	0.73007528	-1.096239841	0.272973829	0.999371363	Not Sig
ENSG00000080200	CRYBG3	crystallin beta-gamma domain containing 3	131544	1332.122157	-0.799880288	0.643845935	-1.242347344	0.214108434	0.999371363	Not Sig
ENSG00000075826	SEC31B	SEC31 homolog B, COPII coat complex component	25956	291.0878675	-0.799879156	0.440537358	-1.815689729	0.06941798	0.999371363	Not Sig
ENSG00000243101	NA	NA	NA	18.55702368	-0.799439949	0.761288676	-1.050114069	0.293665671	0.999371363	Not Sig
ENSG00000122641	INHBA	inhibin beta A subunit	3624	2041.077958	-0.799331459	0.664257287	-1.203346165	0.228842391	0.999371363	Not Sig
ENSG00000266965	NA	NA	NA	40.9184185	-0.799219607	0.85040783	-0.939807442	0.347316341	0.999371363	Not Sig
ENSG00000123191	ATP7B	ATPase copper transporting beta	540	322.2061057	-0.799170024	0.575187608	-1.389407583	0.164708846	0.999371363	Not Sig
ENSG00000148346	LCN2	lipocalin 2	3934	1289.977501	-0.799141562	0.826550307	-0.966839592	0.333624229	0.999371363	Not Sig
ENSG00000232568	NA	NA	NA	6.355343417	-0.798603699	1.182338171	-0.675444403	0.499393463	NA	NA
ENSG00000227355	NA	NA	NA	5.867055666	-0.798531353	1.433457517	-0.557066633	0.577481904	NA	NA
ENSG00000224064	NA	NA	NA	3.014281805	-0.798258658	1.703475745	-0.468605825	0.639351413	NA	NA
ENSG00000259290	NA	NA	NA	6.789435886	-0.798182929	1.120396278	-0.712411264	0.476210142	0.999371363	Not Sig
ENSG00000207730	MIR200B	microRNA 200b	406984	10.38265164	-0.798168891	1.073044642	-0.74383568	0.456975891	0.999371363	Not Sig
ENSG00000225649	LOC100506474	uncharacterized LOC100506474	100506474	5.875092512	-0.798124045	1.243182506	-0.642000705	0.520872725	NA	NA
ENSG00000255334	NA	NA	NA	3.073940788	-0.798089332	1.673530822	-0.476889533	0.633440786	NA	NA

ENSG00000265094	NA	NA	NA	5.067086754	-0.797930618	1.466928479	-0.543946504	0.586478286	NA	NA
ENSG00000249214	NA	NA	NA	4.480829636	-0.797876296	1.815224462	-0.439546906	0.660265303	NA	NA
ENSG00000171940	ZNF217	zinc finger protein 217	7764	3539.704706	-0.797387071	0.61761439	-1.291075927	0.196677351	0.999371363	Not Sig
ENSG00000226360	NA	NA	NA	8.811807861	-0.797159573	1.002507781	-0.795165472	0.426517254	0.999371363	Not Sig
ENSG00000006634	DBF4	DBF4 zinc finger	10926	197.0887435	-0.797139112	0.763726788	-1.043749053	0.296601508	0.999371363	Not Sig
ENSG00000233280	NA	NA	NA	1378.611295	-0.797062626	0.593217006	-1.343627404	0.179068903	0.999371363	Not Sig
ENSG00000070778	PTPN21	protein tyrosine phosphatase, non-receptor type 21	11099	1488.733424	-0.79688043	0.738283998	-1.079368417	0.280423525	0.999371363	Not Sig
ENSG00000265195	MIR4312	microRNA 4312	100422971	19.79592192	-0.796816312	0.678177199	-1.174938221	0.240019433	0.999371363	Not Sig
ENSG00000233924	NA	NA	NA	6.653041832	-0.796811127	1.180010815	-0.675257478	0.499512194	0.999371363	Not Sig
ENSG00000113369	ARRDC3	arrestin domain containing 3	57561	7665.862035	-0.795947023	0.700158869	-1.136809171	0.255618069	0.999371363	Not Sig
ENSG00000227945	NA	NA	NA	1.991839518	-0.795805007	2.552399863	-0.311786965	0.755202431	NA	NA
ENSG00000235554	NA	NA	NA	5.332464448	-0.795753423	1.224774743	-0.649714102	0.515876913	NA	NA
ENSG00000267756	NA	NA	NA	6.122451779	-0.795277754	1.198462743	-0.663581541	0.506958175	NA	NA
ENSG00000105251	SHD	Src homology 2 domain containing transforming protein D	56961	5.161423874	-0.795206799	1.634551659	-0.48649842	0.626613826	NA	NA
ENSG00000269938	NA	NA	NA	40.62025149	-0.795181508	0.885186047	-0.898321331	0.369014264	0.999371363	Not Sig
ENSG00000142279	WTIP	WT1 interacting protein	126374	663.2795757	-0.795134059	0.755033407	-1.053111097	0.292290078	0.999371363	Not Sig
ENSG00000170801	HTRA3	HtrA serine peptidase 3	94031	772.1124923	-0.794994289	0.487712055	-1.630048471	0.103091253	0.999371363	Not Sig
ENSG00000207375	SNORD116-23	small nucleolar RNA, C/D box 116-23	100033434	6.30214916	-0.794676739	1.046769956	-0.759170374	0.447750646	NA	NA
ENSG00000264676	NA	NA	NA	5.922584587	-0.794494106	1.024979186	-0.775131942	0.438261699	NA	NA
ENSG00000197358	NA	NA	NA	3.654912101	-0.794487685	1.877252067	-0.423218437	0.672135897	NA	NA
ENSG00000123066	MED13L	mediator complex subunit 13 like	23389	5655.428372	-0.794386165	0.463924456	-1.71231793	0.086838094	0.999371363	Not Sig
ENSG00000073008	PVR	poliovirus receptor	5817	1042.571551	-0.794277354	0.433814233	-1.830915847	0.067113105	0.999371363	Not Sig
ENSG00000198712	COX2	cytochrome c oxidase subunit II	4513	55716.91751	-0.794133674	0.760706138	-1.043942771	0.296511868	0.999371363	Not Sig
ENSG00000216977	NA	NA	NA	14.58759336	-0.793930714	0.923469566	-0.859725911	0.389940148	0.999371363	Not Sig
ENSG00000259186	NA	NA	NA	1.382838073	-0.793876346	2.363666985	-0.335866411	0.736971608	NA	NA
ENSG00000182631	RXFP3	relaxin/insulin like family peptide receptor 3	51289	0.826177825	-0.793603106	2.768216424	-0.286683909	0.774354359	NA	NA
ENSG00000213228	NA	NA	NA	0.826177825	-0.793603106	2.768216424	-0.286683909	0.774354359	NA	NA
ENSG00000271608	NA	NA	NA	0.826177825	-0.793603106	2.768216424	-0.286683909	0.774354359	NA	NA
ENSG00000177710	SLC35G5	solute carrier family 35 member G5	83650	8.608840191	-0.793553215	1.06673087	-0.743911362	0.456930101	0.999371363	Not Sig
ENSG00000138778	CENPE	centromere protein E	1062	303.9222447	-0.793519489	0.967098039	-0.820516077	0.411921968	0.999371363	Not Sig
ENSG00000135164	DMTF1	cyclin D binding myb like transcription factor 1	9988	1885.379458	-0.793362964	0.578406316	-1.371636067	0.17017676	0.999371363	Not Sig
ENSG00000137871	ZNF280D	zinc finger protein 280D	54816	1757.692378	-0.793162006	0.642171345	-1.235125192	0.216783915	0.999371363	Not Sig
ENSG00000137871	LOC145783	uncharacterized LOC145783	145783	1757.692378	-0.793162006	0.642171345	-1.235125192	0.216783915	0.999371363	Not Sig
ENSG00000236534	NA	NA	NA	2.492703803	-0.793148378	1.714612297	-0.462581762	0.643664184	NA	NA
ENSG00000157741	UBN2	ubiquitin 2	254048	2252.684003	-0.793069225	0.602029303	-1.317326617	0.187729167	0.999371363	Not Sig

ENSG00000187010	RHD	Rh blood group D antigen	6007	2.115740935	-0.792997996	1.656425872	-0.478740407	0.632123316	NA	NA
ENSG00000223052	NA	NA	NA	1.859513438	-0.792775719	1.905409312	-0.416065836	0.677361828	NA	NA
ENSG00000138709	LARP1B	La ribonucleoprotein domain family member 1B	55132	831.0466893	-0.792734079	0.641671662	-1.235420116	0.21667419	0.999371363	Not Sig
ENSG00000175387	SMAD2	SMAD family member 2	4087	3588.242402	-0.792664505	0.599124353	-1.323038365	0.18582262	0.999371363	Not Sig
ENSG00000212089	NA	NA	NA	4.204132418	-0.792590259	1.229383798	-0.644705308	0.519118176	NA	NA
ENSG00000110080	ST3GAL4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	6484	697.1996484	-0.792090906	0.536499244	-1.476406378	0.139834832	0.999371363	Not Sig
ENSG00000244380	NA	NA	NA	4.928323138	-0.791885277	1.244189754	-0.636466644	0.524472315	NA	NA
ENSG00000251745	NA	NA	NA	14.1794767	-0.79184548	0.777182187	-1.018867252	0.308265992	0.999371363	Not Sig
ENSG00000128609	NDUFA5	NADH:ubiquinone oxidoreductase subunit A5	4698	828.9419087	-0.791748824	0.658232112	-1.202841383	0.229037707	0.999371363	Not Sig
ENSG00000212296	SNORD72	small nucleolar RNA, C/D box 72	619564	6.954475607	-0.7914855	1.226648443	-0.645242331	0.518770158	0.999371363	Not Sig
ENSG00000136895	GARNL3	GTPase activating Rap/RanGAP domain like 3	84253	217.2413235	-0.791231951	0.465741637	-1.698864539	0.08934471	0.999371363	Not Sig
ENSG00000144026	ZNF514	zinc finger protein 514	84874	701.4698042	-0.791115287	0.505136826	-1.56614059	0.117315707	0.999371363	Not Sig
ENSG00000251703	NA	NA	NA	9.999506012	-0.790999907	1.04109856	-0.759774278	0.44738952	0.999371363	Not Sig
ENSG00000265942	NA	NA	NA	10.00257159	-0.790929385	0.919436381	-0.860232857	0.389660696	0.999371363	Not Sig
ENSG00000127955	GNAI1	G protein subunit alpha i1	2770	606.2721872	-0.790424486	0.488966157	-1.61652187	0.105981529	0.999371363	Not Sig
ENSG00000230065	NA	NA	NA	1.373383824	-0.790371997	2.112806193	-0.374086369	0.70834006	NA	NA
ENSG00000219553	NA	NA	NA	1.613719538	-0.790349992	1.979702867	-0.399226573	0.689726265	NA	NA
ENSG00000175749	NA	NA	NA	4.262496144	-0.789915982	1.252672878	-0.630584406	0.528312298	NA	NA
ENSG00000006453	BAIAP2L1	BAI1 associated protein 2 like 1	55971	1785.557066	-0.789739237	0.688465804	-1.147100165	0.251340226	0.999371363	Not Sig
ENSG00000272916	NDST2	N-deacetylase and N-sulfotransferase 2	8509	13.97092455	-0.789733998	0.815879178	-0.967954594	0.333067047	0.999371363	Not Sig
ENSG00000238287	NA	NA	NA	9.93287234	-0.789250949	0.866827444	-0.910505262	0.362556108	0.999371363	Not Sig
ENSG00000198169	ZNF251	zinc finger protein 251	90987	465.563929	-0.789205136	0.429065361	-1.839358774	0.065862434	0.999371363	Not Sig
ENSG00000065613	SLK	STE20 like kinase	9748	3927.778245	-0.789183102	0.454540114	-1.736223225	0.082524372	0.999371363	Not Sig
ENSG00000259999	NA	NA	NA	15.89334679	-0.788920369	0.820550073	-0.961453048	0.336324422	0.999371363	Not Sig
ENSG00000143882	ATP6V1C2	ATPase H+ transporting V1 subunit C2	245973	55.56471614	-0.788822159	1.064889649	-0.740754837	0.458842103	0.999371363	Not Sig
ENSG00000251869	SCARNA23	small Cajal body-specific RNA 23	677773	3.699836413	-0.78866707	1.682072488	-0.46886628	0.63916522	NA	NA
ENSG00000165637	VDAC2	voltage dependent anion channel 2	7417	1474.456264	-0.788170528	0.460198026	-1.7126769	0.086771997	0.999371363	Not Sig
ENSG00000140795	MYLK3	myosin light chain kinase 3	91807	13.4043001	-0.788148026	0.859546214	-0.916935022	0.359176691	0.999371363	Not Sig
ENSG00000214193	SH3D21	SH3 domain containing 21	79729	422.729533	-0.787997008	0.65084307	-1.210732731	0.225997854	0.999371363	Not Sig
ENSG00000268069	NA	NA	NA	14.53505055	-0.78783453	0.816972199	-0.964334565	0.334878217	0.999371363	Not Sig
ENSG00000267096	NA	NA	NA	7.599567208	-0.78686563	0.997878526	-0.788538493	0.430381792	0.999371363	Not Sig
ENSG00000202184	NA	NA	NA	11.07928891	-0.786452337	1.293693707	-0.607912315	0.543245631	0.999371363	Not Sig
ENSG00000074181	NOTCH3	notch 3	4854	6054.382324	-0.786314773	0.602966762	-1.304076481	0.192207507	0.999371363	Not Sig
ENSG00000174839	DENND6A	DENN domain containing 6A	201627	856.4712066	-0.786184162	0.599264199	-1.311915786	0.189548551	0.999371363	Not Sig
ENSG00000265665	NA	NA	NA	3.180090821	-0.786080812	1.69520007	-0.463709757	0.642855706	NA	NA

ENSG00000065361	ERBB3	erb-b2 receptor tyrosine kinase 3	2065	5033.239535	-0.785851655	0.633043603	-1.241386298	0.214463078	0.999371363	Not Sig
ENSG00000248969	NA	NA	NA	2.46326165	-0.785377464	2.443730968	-0.321384585	0.747918963	NA	NA
ENSG00000260714	NA	NA	NA	3.806428644	-0.78526549	1.221204313	-0.64302548	0.520207567	NA	NA
ENSG00000005381	MPO	myeloperoxidase	4353	12.16486334	-0.784870963	1.137787911	-0.689821851	0.490306225	0.999371363	Not Sig
ENSG00000151743	AMN1	antagonist of mitotic exit network 1 homolog	196394	162.9152951	-0.784853151	0.765373218	-1.025451547	0.305150177	0.999371363	Not Sig
ENSG00000100433	KCNK10	potassium two pore domain channel subfamily K member 10	54207	3.371660878	-0.784769621	1.760626724	-0.445733108	0.655790046	NA	NA
ENSG00000168404	MLKL	mixed lineage kinase domain like pseudokinase	197259	580.9417692	-0.784618854	0.524509409	-1.495909971	0.134677118	0.999371363	Not Sig
ENSG00000237280	NA	NA	NA	23.13619518	-0.784576485	0.830646506	-0.944537153	0.344895226	0.999371363	Not Sig
ENSG00000213398	LCAT	lecithin-cholesterol acyltransferase	3931	155.3511139	-0.784514734	0.654121608	-1.199340802	0.230395456	0.999371363	Not Sig
ENSG00000253175	NA	NA	NA	4.480525583	-0.784426797	1.3325095	-0.58868383	0.556073387	NA	NA
ENSG00000070087	PFN2	profilin 2	5217	761.4262519	-0.784283106	0.67271231	-1.165852169	0.24367422	0.999371363	Not Sig
ENSG00000153993	SEMA3D	semaphorin 3D	223117	157.3246509	-0.783952615	0.454297142	-1.725638446	0.084412478	0.999371363	Not Sig
ENSG00000108785	NA	NA	NA	7.783127609	-0.783933562	1.126177771	-0.696101079	0.486365531	0.999371363	Not Sig
ENSG00000148634	HERC4	HECT and RLD domain containing E3 ubiquitin protein ligase 4	26091	1849.352011	-0.78384229	0.617009849	-1.27038862	0.203946235	0.999371363	Not Sig
ENSG00000267197	NA	NA	NA	10.76208317	-0.783647616	1.010826906	-0.775254014	0.438189577	0.999371363	Not Sig
ENSG00000177410	ZFAS1	ZNF1 antisense RNA 1	441951	561.1594145	-0.783304565	0.627624569	-1.248046371	0.212014076	0.999371363	Not Sig
ENSG00000210156	NA	NA	NA	5.292815044	-0.783000388	1.187892794	-0.659150718	0.50979899	NA	NA
ENSG00000243762	NA	NA	NA	8.72053769	-0.782779833	1.001146661	-0.781883278	0.434283173	0.999371363	Not Sig
ENSG00000239146	NA	NA	NA	8.357302954	-0.782549956	1.288946019	-0.607123918	0.543768679	0.999371363	Not Sig
ENSG00000122778	KIAA1549	KIAA1549	57670	746.6188982	-0.782172652	0.439842671	-1.778300979	0.075354436	0.999371363	Not Sig
ENSG00000231187	LOC102724593	uncharacterized LOC102724593	102724593	25.02603284	-0.781805534	0.744739214	-1.049770872	0.293823471	0.999371363	Not Sig
ENSG00000213967	ZNF726	zinc finger protein 726	730087	90.5600473	-0.780857833	0.840492562	-0.92904788	0.352864273	0.999371363	Not Sig
ENSG00000140297	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	9245	755.9573049	-0.780781926	1.114538004	-0.700543116	0.483588189	0.999371363	Not Sig
ENSG00000197701	NA	NA	NA	126.899097	-0.780509195	0.515404111	-1.514363543	0.12993366	0.999371363	Not Sig
ENSG00000164318	EGFLAM	EGF like, fibronectin type III and laminin G domains	133584	71.5370429	-0.780425035	0.556187645	-1.403168593	0.160566571	0.999371363	Not Sig
ENSG00000070950	RAD18	RAD18, E3 ubiquitin protein ligase	56852	360.893546	-0.780412697	0.643077366	-1.213559577	0.224915951	0.999371363	Not Sig
ENSG00000213761	NA	NA	NA	3.613259277	-0.780258814	1.841497172	-0.42370894	0.671778095	NA	NA
ENSG00000266783	NA	NA	NA	14.43036497	-0.780032072	1.340319389	-0.581974773	0.560583674	0.999371363	Not Sig
ENSG00000080986	NDC80	NDC80, kinetochore complex component	10403	112.6544614	-0.779976053	0.999349369	-0.78048386	0.435106124	0.999371363	Not Sig
ENSG00000261701	HPR	haptoglobin-related protein	3250	2.352080587	-0.779539251	1.818082637	-0.428769977	0.66809063	NA	NA
ENSG00000168594	ADAM29	ADAM metallopeptidase domain 29	11086	2.101266554	-0.779200232	1.87245911	-0.416137382	0.677309477	NA	NA
ENSG00000241520	NA	NA	NA	2.101266554	-0.779200232	1.87245911	-0.416137382	0.677309477	NA	NA
ENSG00000213514	NA	NA	NA	0.803433497	-0.778950139	2.782680969	-0.279927936	0.779532794	NA	NA
ENSG00000254294	NA	NA	NA	0.803433497	-0.778950139	2.782680969	-0.279927936	0.779532794	NA	NA
ENSG00000269652	NA	NA	NA	0.803433497	-0.778950139	2.782680969	-0.279927936	0.779532794	NA	NA

ENSG00000236901	MIR600HG	MIR600 host gene	81571	186.1130433	-0.778790831	0.460337217	-1.691783332	0.090687293	0.999371363	Not Sig
ENSG00000166046	TCP11L2	t-complex 11 like 2	255394	957.5970909	-0.778729552	0.504573523	-1.543342082	0.122747798	0.999371363	Not Sig
ENSG00000214646	NA	NA	NA	3.204279741	-0.778440347	1.512201432	-0.51477292	0.60671171	NA	NA
ENSG00000163935	SFMBT1	Scm like with four mbt domains 1	51460	642.5251378	-0.778406212	0.593749378	-1.311001308	0.189857322	0.999371363	Not Sig
ENSG00000185518	SV2B	synaptic vesicle glycoprotein 2B	9899	63.78655729	-0.778010946	0.5884776	-1.32207402	0.186143504	0.999371363	Not Sig
ENSG00000131149	GSE1	Gsel coiled-coil protein	23199	3782.528834	-0.777914373	0.445916427	-1.744529528	0.081066797	0.999371363	Not Sig
ENSG00000220867	NA	NA	NA	23.21869855	-0.777557707	0.923303203	-0.842147741	0.399705261	0.999371363	Not Sig
ENSG00000243406	MRPS31P5	mitochondrial ribosomal protein S31 pseudogene 5	100887750	40.7926568	-0.777502477	0.6423589	-1.210386401	0.226130658	0.999371363	Not Sig
ENSG00000251022	THAP9-AS1	THAP9 antisense RNA 1	100499177	483.8517446	-0.777430763	0.646771348	-1.202017939	0.229356578	0.999371363	Not Sig
ENSG00000187690	CXorf67	chromosome X open reading frame 67	340602	2.76124203	-0.776940075	1.955329025	-0.39734493	0.691113119	NA	NA
ENSG00000267787	NA	NA	NA	2.716290528	-0.776818595	1.975627192	-0.393201004	0.694171028	NA	NA
ENSG00000264937	NA	NA	NA	3.109145179	-0.776674044	1.559817852	-0.497926115	0.618536119	NA	NA
ENSG00000135250	SRPK2	SRSF protein kinase 2	6733	1260.495404	-0.776388302	0.487608948	-1.59223555	0.111331788	0.999371363	Not Sig
ENSG00000231362	NA	NA	NA	2.117158338	-0.776124437	1.860085678	-0.417251982	0.676494107	NA	NA
ENSG00000200558	NA	NA	NA	4.940894157	-0.775859712	1.250054261	-0.620660827	0.534822809	NA	NA
ENSG00000203326	ZNF525	zinc finger protein 525	170958	364.7214643	-0.775753179	0.609509226	-1.272750509	0.203106588	0.999371363	Not Sig
ENSG00000166704	ZNF606	zinc finger protein 606	80095	501.0154427	-0.775747067	0.478608773	-1.620837541	0.105052485	0.999371363	Not Sig
ENSG00000233435	NA	NA	NA	5.497935469	-0.775711358	1.523030396	-0.509320996	0.610527243	NA	NA
ENSG00000152784	PRDM8	PR/SET domain 8	56978	79.43003877	-0.775696643	0.527891382	-1.469424715	0.141717628	0.999371363	Not Sig
ENSG00000237649	KIFC1	kinesin family member C1	3833	212.6744374	-0.775494393	0.850465138	-0.911847363	0.361849074	0.999371363	Not Sig
ENSG00000199024	MIR103A2	microRNA 103a-2	406896	2.840606952	-0.775433932	1.626214492	-0.476833736	0.633480521	NA	NA
ENSG00000166153	DEPDC4	DEP domain containing 4	120863	25.62179731	-0.775166575	0.898341826	-0.862885989	0.388200155	0.999371363	Not Sig
ENSG00000215126	CBWD2	COBW domain containing 2	150472	3.326736566	-0.775158455	1.350678343	-0.573903075	0.566033392	NA	NA
ENSG00000215126	CBWD6	COBW domain containing 6	644019	3.326736566	-0.775158455	1.350678343	-0.573903075	0.566033392	NA	NA
ENSG00000253203	GUSBP3	glucuronidase, beta pseudogene 3	653188	103.4631004	-0.77498796	0.480552067	-1.612703418	0.106808958	0.999371363	Not Sig
ENSG00000271818	NA	NA	NA	1.690687708	-0.773850283	1.755256453	-0.440875908	0.659302836	NA	NA
ENSG00000183444	NA	NA	NA	130.7352171	-0.773595072	0.651911461	-1.186656652	0.23536308	0.999371363	Not Sig
ENSG00000236194	NA	NA	NA	54.79249088	-0.773398178	0.847871257	-0.912164637	0.361682056	0.999371363	Not Sig
ENSG00000243592	NA	NA	NA	2.089979895	-0.773182677	1.632018955	-0.473758393	0.635672208	NA	NA
ENSG00000169085	C8orf46	chromosome 8 open reading frame 46	254778	35.27817274	-0.77312973	0.906375787	-0.852990273	0.393664698	0.999371363	Not Sig
ENSG00000215952	MIR921	microRNA 921	100126349	1.296000646	-0.772734562	2.436749363	-0.317116965	0.751154853	NA	NA
ENSG00000162981	FAM84A	family with sequence similarity 84 member A	151354	265.8015007	-0.772717321	0.70154656	-1.101448378	0.27070156	0.999371363	Not Sig
ENSG00000235092	ID2-AS1	ID2 antisense RNA 1 (head to head)	100506299	11.96532392	-0.772434673	0.870873158	-0.886965761	0.375097335	0.999371363	Not Sig
ENSG00000154736	ADAMTS5	ADAM metalloproteinase with thrombospondin type 1 motif 5	11096	304.6860241	-0.772079144	0.751533999	-1.027337612	0.304261518	0.999371363	Not Sig
ENSG00000272293	NA	NA	NA	10.70752257	-0.771749886	1.203343482	-0.641337987	0.521303114	0.999371363	Not Sig

ENSG00000074356	NCBP3	nuclear cap binding subunit 3	55421	1146.182597	-0.771729356	0.576338486	-1.339021035	0.180563825	0.999371363	Not Sig
ENSG00000258731	LOC101927620	uncharacterized LOC101927620	101927620	7.437899033	-0.771608925	1.0447445	-0.738562323	0.46017281	0.999371363	Not Sig
ENSG00000154122	ANKH	ANKH inorganic pyrophosphate transport regulator	56172	1733.65187	-0.771474847	0.566112479	-1.362758951	0.172958492	0.999371363	Not Sig
ENSG00000143195	ILDR2	immunoglobulin like domain containing receptor 2	387597	106.6887522	-0.771106787	0.523894619	-1.471873845	0.141054948	0.999371363	Not Sig
ENSG00000224261	NA	NA	NA	6.019867759	-0.76971362	1.161537217	-0.662668065	0.507543167	NA	NA
ENSG00000258317	NA	NA	NA	5.140346341	-0.769420576	1.247348234	-0.616845044	0.537336938	NA	NA
ENSG00000233554	B4GALT1-AS1	B4GALT1 antisense RNA 1	101929639	8.653061736	-0.769323533	1.108209276	-0.694204199	0.48755416	0.999371363	Not Sig
ENSG00000020922	MRE11	MRE11 homolog, double strand break repair nuclease	4361	719.8639234	-0.769235383	0.66440413	-1.157782362	0.246952863	0.999371363	Not Sig
ENSG00000250726	NA	NA	NA	1.257364535	-0.769131008	2.391518006	-0.321607868	0.747749782	NA	NA
ENSG00000239553	NA	NA	NA	3.448889338	-0.769016275	1.645440026	-0.467362081	0.640240847	NA	NA
ENSG00000130529	TRPM4	transient receptor potential cation channel subfamily M member 4	54795	1275.058475	-0.76881458	0.667191245	-1.15231515	0.249191594	0.999371363	Not Sig
ENSG00000196917	HCAR1	hydroxycarboxylic acid receptor 1	27198	113.2907482	-0.768466117	1.085383326	-0.708013564	0.478936834	0.999371363	Not Sig
ENSG00000158683	PKD1L1	polycystin 1 like 1, transient receptor potential channel interacting	168507	83.34096724	-0.76835329	0.697697274	-1.101270306	0.270779031	0.999371363	Not Sig
ENSG00000214460	NA	NA	NA	0.903145995	-0.76826848	2.723409061	-0.282098085	0.777868302	NA	NA
ENSG00000233087	RAB6D	RAB6D, member RAS oncogene family	150786	0.903145995	-0.76826848	2.723409061	-0.282098085	0.777868302	NA	NA
ENSG00000227189	NA	NA	NA	85.05154307	-0.767361416	0.916699327	-0.83709172	0.402541014	0.999371363	Not Sig
ENSG00000165655	ZNF503	zinc finger protein 503	84858	1036.216622	-0.767054685	0.501495625	-1.529534152	0.126132079	0.999371363	Not Sig
ENSG00000272606	NA	NA	NA	32.33055259	-0.767045639	0.690998719	-1.110053633	0.266975916	0.999371363	Not Sig
ENSG00000186523	FAM86B1	family with sequence similarity 86 member B1	85002	48.91313693	-0.76694815	0.614332768	-1.248424616	0.211875599	0.999371363	Not Sig
ENSG00000186523	FAM86B2	family with sequence similarity 86 member B2	653333	48.91313693	-0.76694815	0.614332768	-1.248424616	0.211875599	0.999371363	Not Sig
ENSG00000186523	FAM86KP	protein FAM86A-like	100287013	48.91313693	-0.76694815	0.614332768	-1.248424616	0.211875599	0.999371363	Not Sig
ENSG00000257809	NA	NA	NA	6.18395532	-0.766881615	1.070107652	-0.716639689	0.473596449	NA	NA
ENSG00000270343	NA	NA	NA	6.366076643	-0.766827205	1.350478768	-0.567818779	0.570158027	NA	NA
ENSG00000182310	SPACA6	sperm acrosome associated 6	147650	130.5021207	-0.766757265	0.50461963	-1.519475699	0.1286428	0.999371363	Not Sig
ENSG00000251881	NA	NA	NA	2.437883045	-0.766250689	2.087144191	-0.367128775	0.713522965	NA	NA
ENSG00000260941	LINC00622	long intergenic non-protein coding RNA 622	644242	20.66530631	-0.765959904	0.932193813	-0.821674521	0.411262164	0.999371363	Not Sig
ENSG00000162944	RFTN2	raftlin family member 2	130132	156.199911	-0.765737564	0.484192511	-1.581473374	0.113769842	0.999371363	Not Sig
ENSG00000267474	NA	NA	NA	13.55178386	-0.765554249	0.970750842	-0.788620742	0.430333704	0.999371363	Not Sig
ENSG00000241472	PTPRG-AS1	PTPRG antisense RNA 1	100506994	29.29201365	-0.76535916	1.285906377	-0.595190423	0.551716191	0.999371363	Not Sig
ENSG00000170074	FAM153A	family with sequence similarity 153 member A	285596	25.13872544	-0.764916067	1.062287515	-0.720065006	0.471484972	0.999371363	Not Sig
ENSG00000212211	NA	NA	NA	2.402263646	-0.764897757	1.784808637	-0.428560094	0.668243392	NA	NA
ENSG00000256650	NA	NA	NA	5.549740884	-0.76478614	1.137068987	-0.672594318	0.501205418	NA	NA
ENSG00000125551	PLGLB2	plasminogen-like B2	5342	14.43847992	-0.764621655	0.969173364	-0.788942086	0.430145856	0.999371363	Not Sig
ENSG00000180539	NA	NA	NA	20.65482429	-0.764538178	0.994414409	-0.768832562	0.441992716	0.999371363	Not Sig
ENSG00000114841	DNAH1	dynein axonemal heavy chain 1	25981	1193.0625	-0.764531168	0.45593549	-1.67684066	0.093573644	0.999371363	Not Sig

ENSG00000169047	IRS1	insulin receptor substrate 1	3667	1765.966868	-0.764274668	0.563898846	-1.35534001	0.175309253	0.999371363	Not Sig
ENSG00000198131	ZNF544	zinc finger protein 544	27300	682.9051023	-0.764208555	0.540251933	-1.414541082	0.157203094	0.999371363	Not Sig
ENSG00000236489	NA	NA	NA	15.36470135	-0.764065294	0.837000974	-0.912860699	0.36131581	0.999371363	Not Sig
ENSG00000263652	MIR548AX	microRNA 548ax	100847063	1.849644182	-0.764031163	1.9220508	-0.397508309	0.690992661	NA	NA
ENSG00000255326	LOC105369391	uncharacterized LOC105369391	105369391	4.780509383	-0.763478127	1.262483343	-0.604743129	0.545349686	NA	NA
ENSG00000157077	ZFYVE9	zinc finger FYVE-type containing 9	9372	946.0459993	-0.763406061	0.512724365	-1.488920972	0.13650818	0.999371363	Not Sig
ENSG00000104863	LIN7B	<small>lin-7 homolog B, crumbs cell polarity complex component</small>	64130	58.26536172	-0.76206728	0.637034296	-1.196273552	0.231589826	0.999371363	Not Sig
ENSG00000182606	TRAK1	trafficking kinesin protein 1	22906	2866.459174	-0.76174491	0.444198714	-1.714874188	0.086368296	0.999371363	Not Sig
ENSG00000001631	KRIT1	KRIT1, ankyrin repeat containing	889	1089.830238	-0.76170422	0.595075879	-1.280011923	0.200540943	0.999371363	Not Sig
ENSG00000272263	NA	NA	NA	4.564777596	-0.761275217	1.182084091	-0.64401105	0.519568268	NA	NA
ENSG00000258488	NA	NA	NA	3.929844101	-0.761198191	1.712749158	-0.444430632	0.656731271	NA	NA
ENSG00000200345	NA	NA	NA	1.796837741	-0.760909268	2.182307324	-0.348671912	0.727335633	NA	NA
ENSG00000207757	MIR93	microRNA 93	407050	0.809871033	-0.760227619	3.21310684	-0.236602035	0.812965541	NA	NA
ENSG00000232952	NA	NA	NA	0.809871033	-0.760227619	3.21310684	-0.236602035	0.812965541	NA	NA
ENSG00000267987	NA	NA	NA	0.809871033	-0.760227619	3.21310684	-0.236602035	0.812965541	NA	NA
ENSG00000201678	NA	NA	NA	14.09440102	-0.76012753	0.852278795	-0.891876619	0.372459068	0.999371363	Not Sig
ENSG00000230715	NA	NA	NA	316.3682337	-0.759663804	0.542992831	-1.399031001	0.161803687	0.999371363	Not Sig
ENSG00000100522	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	64841	659.9610126	-0.759569002	0.755044189	-1.00599278	0.314419043	0.999371363	Not Sig
ENSG00000176731	C8orf59	chromosome 8 open reading frame 59	401466	439.5335054	-0.759377499	0.648813	-1.170410424	0.241835843	0.999371363	Not Sig
ENSG00000076554	TPD52	tumor protein D52	7163	1601.750656	-0.759010202	0.764842005	-0.992375153	0.321014555	0.999371363	Not Sig
ENSG00000258315	C17orf49	chromosome 17 open reading frame 49	124944	18.0839313	-0.758753147	0.751946145	-1.009052512	0.312949451	0.999371363	Not Sig
ENSG00000227773	NA	NA	NA	14.46881475	-0.758610155	1.233050985	-0.61523016	0.538402733	0.999371363	Not Sig
ENSG00000081277	PKP1	plakophilin 1	5317	246.1848926	-0.758135679	1.167040042	-0.64962268	0.51593598	0.999371363	Not Sig
ENSG00000230289	NA	NA	NA	2.849342141	-0.758059745	1.751245072	-0.432869024	0.665109925	NA	NA
ENSG00000203867	RBM20	RNA binding motif protein 20	282996	45.29777695	-0.757955274	0.987798668	-0.76731757	0.442892724	0.999371363	Not Sig
ENSG00000051180	RAD51	RAD51 recombinase	5888	48.79776649	-0.757897098	0.957005431	-0.791946497	0.428391874	0.999371363	Not Sig
ENSG00000137672	TRPC6	<small>transient receptor potential cation channel subfamily C member 6</small>	7225	878.7737326	-0.757731325	0.673133725	-1.125677256	0.260302154	0.999371363	Not Sig
ENSG00000269396	NA	NA	NA	6.758489097	-0.75752802	1.075048271	-0.704645587	0.481030821	0.999371363	Not Sig
ENSG00000219150	NA	NA	NA	9.620790074	-0.75750841	1.242717307	-0.609558107	0.54215457	0.999371363	Not Sig
ENSG00000198959	TGM2	transglutaminase 2	7052	11773.8426	-0.75746923	0.605334378	-1.251323661	0.210816416	0.999371363	Not Sig
ENSG00000133812	SBF2	SET binding factor 2	81846	1582.915354	-0.757294257	0.382783196	-1.978389505	0.047884783	0.999371363	Not Sig
ENSG00000206634	SNORA22	small nucleolar RNA, H/ACA box 22	677807	5.662328453	-0.756961939	1.1871824	-0.637612164	0.523726176	NA	NA
ENSG00000152380	FAM151B	family with sequence similarity 151 member B	167555	53.53269424	-0.756743077	0.705651456	-1.072403479	0.283538846	0.999371363	Not Sig
ENSG00000130699	TAF4	TATA-box binding protein associated factor 4	6874	675.2197544	-0.756564056	0.438410763	-1.72569681	0.084401972	0.999371363	Not Sig
ENSG00000260425	NA	NA	NA	3.804414326	-0.756429707	1.329029242	-0.569159567	0.569247857	NA	NA

ENSG00000186453	FAM228A	family with sequence similarity 228 member A	653140	7.019432676	-0.756283024	1.012155612	-0.747200347	0.454942635	0.999371363	Not Sig
ENSG00000156218	ADAMTSL3	ADAMTS like 3	57188	665.3994817	-0.756191881	0.855385167	-0.884036701	0.376676401	0.999371363	Not Sig
ENSG00000265145	SNORD53	small nucleolar RNA, C/D box 53	26796	13.12405259	-0.755722262	0.922689068	-0.819043259	0.412761733	0.999371363	Not Sig
ENSG00000166845	C18orf54	chromosome 18 open reading frame 54	162681	105.6572382	-0.755331468	0.770948798	-0.979742715	0.327213135	0.999371363	Not Sig
ENSG00000196562	SULF2	sulfatase 2	55959	635.112364	-0.75513877	0.428507145	-1.762254795	0.078026258	0.999371363	Not Sig
ENSG00000100206	DMC1	DNA meiotic recombinase 1	11144	15.35907892	-0.754817496	0.85799076	-0.879750146	0.378994677	0.999371363	Not Sig
ENSG00000178404	CEP295NL	CEP295 N-terminal like	100653515	107.6379156	-0.754712058	0.552994595	-1.364772937	0.172324427	0.999371363	Not Sig
ENSG00000253771	NA	NA	NA	8.098517233	-0.754551013	0.972054707	-0.776243361	0.437605308	0.999371363	Not Sig
ENSG00000259762	NA	NA	NA	11.75143806	-0.754196353	1.119324331	-0.673796085	0.500440964	0.999371363	Not Sig
ENSG00000199135	MIR101-1	microRNA 101-1	406893	5.211281086	-0.75409183	1.11470339	-0.676495502	0.498726101	NA	NA
ENSG00000127328	RAB3IP	RAB3A interacting protein	117177	947.4010554	-0.754016343	0.617963909	-1.220162427	0.222403307	0.999371363	Not Sig
ENSG00000213132	NA	NA	NA	141.2025837	-0.753243138	0.645455187	-1.16699525	0.243212288	0.999371363	Not Sig
ENSG00000106723	SPIN1	spindlin 1	10927	1775.448864	-0.753169712	0.500022452	-1.506271786	0.131997418	0.999371363	Not Sig
ENSG00000151725	CENPU	centromere protein U	79682	131.0598023	-0.753043064	0.987652145	-0.762457782	0.445786831	0.999371363	Not Sig
ENSG00000268743	NA	NA	NA	27.89308743	-0.753018976	0.663496439	-1.134925421	0.256406568	0.999371363	Not Sig
ENSG00000122592	HOXA7	homeobox A7	3204	43.06442638	-0.752886781	0.667033346	-1.12870936	0.25902046	0.999371363	Not Sig
ENSG00000243721	NA	NA	NA	29.85082501	-0.752437442	0.661363697	-1.137705994	0.25524327	0.999371363	Not Sig
ENSG00000229521	NA	NA	NA	17.89565135	-0.752361048	0.893687736	-0.84186122	0.39986564	0.999371363	Not Sig
ENSG00000270049	LOC101927837	uncharacterized LOC101927837	101927837	39.0968464	-0.751342328	0.588135769	-1.2774981	0.201426451	0.999371363	Not Sig
ENSG00000225159	NA	NA	NA	0.771234922	-0.751290895	3.249125236	-0.231228666	0.817137161	NA	NA
ENSG00000229305	NA	NA	NA	0.771234922	-0.751290895	3.249125236	-0.231228666	0.817137161	NA	NA
ENSG00000237748	NA	NA	NA	0.771234922	-0.751290895	3.249125236	-0.231228666	0.817137161	NA	NA
ENSG00000250580	NA	NA	NA	0.771234922	-0.751290895	3.249125236	-0.231228666	0.817137161	NA	NA
ENSG00000252751	NA	NA	NA	0.771234922	-0.751290895	3.249125236	-0.231228666	0.817137161	NA	NA
ENSG00000206623	NA	NA	NA	5.242433504	-0.751244415	1.328155094	-0.565630037	0.571645304	NA	NA
ENSG00000255717	SNHG1	small nucleolar RNA host gene 1	23642	647.5932126	-0.750756331	0.577558553	-1.299879166	0.193642387	0.999371363	Not Sig
ENSG00000266852	MIR4482	microRNA 4482	100616323	3.647899325	-0.750595302	1.484122903	-0.505750097	0.613032095	NA	NA
ENSG00000203880	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	55251	1497.888447	-0.750522613	0.553828613	-1.355153192	0.175368754	0.999371363	Not Sig
ENSG00000259006	NA	NA	NA	5.246270704	-0.750453675	1.833039305	-0.409404028	0.682243184	NA	NA
ENSG00000174891	RSRC1	arginine and serine rich coiled-coil 1	51319	533.6189046	-0.750210433	0.765382845	-0.980176702	0.326998903	0.999371363	Not Sig
ENSG00000262160	NA	NA	NA	546.3343893	-0.750005556	0.714166981	-1.050182347	0.293634284	0.999371363	Not Sig
ENSG00000178732	GP5	glycoprotein V platelet	2814	11.21675052	-0.749987733	1.159570617	-0.64678056	0.517773976	0.999371363	Not Sig
ENSG00000168234	TTC39C	tetratricopeptide repeat domain 39C	125488	1036.008327	-0.749789981	0.675354065	-1.110217618	0.266905263	0.999371363	Not Sig
ENSG00000183281	PLGLB1	plasminogen-like B1	5343	14.20446527	-0.74975134	0.817149015	-0.91752095	0.35886972	0.999371363	Not Sig
ENSG00000135070	ISCA1	iron-sulfur cluster assembly 1	81689	452.3197969	-0.749720454	0.461792992	-1.623498986	0.10448278	0.999371363	Not Sig

ENSG00000072422	RHOBTB1	Rho related BTB domain containing 1	9886	695.4631364	-0.749433785	0.391212118	-1.915671196	0.055406961	0.999371363	Not Sig
ENSG00000258405	ZNF578	zinc finger protein 578	147660	31.27163276	-0.749370721	0.777619023	-0.963673339	0.335209725	0.999371363	Not Sig
ENSG00000265817	RAD54B	RAD54 homolog B (S. cerevisiae)	25788	19.39706114	-0.74917171	1.154605582	-0.648855091	0.516432044	0.999371363	Not Sig
ENSG00000265817	FSBP	fibrinogen silencer binding protein	100861412	19.39706114	-0.74917171	1.154605582	-0.648855091	0.516432044	0.999371363	Not Sig
ENSG00000264009	NA	NA	NA	2.490689485	-0.749084101	1.532335178	-0.488851337	0.62494695	NA	NA
ENSG00000147206	NXF3	nuclear RNA export factor 3	56000	145.0129805	-0.748969562	1.438472659	-0.520670002	0.602596675	0.999371363	Not Sig
ENSG00000197808	ZNF461	zinc finger protein 461	92283	135.0904551	-0.748858896	0.515259452	-1.453362753	0.146123062	0.999371363	Not Sig
ENSG00000129422	MTUS1	microtubule associated scaffold protein 1	57509	9015.105807	-0.748547215	0.758624445	-0.986716444	0.323781666	0.999371363	Not Sig
ENSG00000197182	MIRLET7BHG	MIRLET7B host gene	400931	841.7401308	-0.74848493	0.831536867	-0.900122364	0.368055136	0.999371363	Not Sig
ENSG00000213137	NA	NA	NA	39.01783366	-0.748477532	0.763726962	-0.980032878	0.32706989	0.999371363	Not Sig
ENSG00000161551	ZNF577	zinc finger protein 577	84765	369.2440975	-0.74835038	0.642646333	-1.164482455	0.244228549	0.999371363	Not Sig
ENSG00000119938	PPP1R3C	protein phosphatase 1 regulatory subunit 3C	5507	493.8174772	-0.748043251	0.688412936	-1.086619981	0.277204791	0.999371363	Not Sig
ENSG00000233343	NA	NA	NA	16.75778669	-0.74797842	0.753845933	-0.992216561	0.321091895	0.999371363	Not Sig
ENSG00000069011	PITX1	paired like homeodomain 1	5307	201.9149581	-0.747975277	1.023401219	-0.730871981	0.464857351	0.999371363	Not Sig
ENSG00000263904	NA	NA	NA	1.988668088	-0.747962981	2.117572876	-0.353217115	0.723925678	NA	NA
ENSG00000240935	PLGLA	plasminogen-like A (pseudogene)	285189	6.301497584	-0.747902824	1.303299799	-0.573853249	0.566067112	NA	NA
ENSG00000264862	NA	NA	NA	3.915280439	-0.747495108	1.234741483	-0.60538592	0.544922604	NA	NA
ENSG00000173744	AGFG1	ArfGAP with FG repeats 1	3267	2651.037767	-0.746565171	0.627142355	-1.190423777	0.233879872	0.999371363	Not Sig
ENSG00000197016	ZNF470	zinc finger protein 470	388566	225.0525129	-0.746376978	0.553706393	-1.347965253	0.177669559	0.999371363	Not Sig
ENSG00000140859	KIFC3	kinesin family member C3	3801	2176.437057	-0.746232931	0.506062332	-1.474586989	0.140323615	0.999371363	Not Sig
ENSG00000189042	ZNF567	zinc finger protein 567	163081	255.273439	-0.746018347	0.577073623	-1.292761127	0.196093689	0.999371363	Not Sig
ENSG00000232034	NA	NA	NA	43.24707951	-0.74581521	0.851763462	-0.875613058	0.381240424	0.999371363	Not Sig
ENSG00000256453	DND1	DND microRNA-mediated repression inhibitor 1	373863	17.21468354	-0.745710555	0.884772689	-0.842827276	0.399325051	0.999371363	Not Sig
ENSG00000091879	ANGPT2	angiopoietin 2	285	102.2564457	-0.745417579	0.601909597	-1.238421157	0.21555994	0.999371363	Not Sig
ENSG00000180628	PCGF5	polycomb group ring finger 5	84333	1547.871217	-0.745389169	0.642731301	-1.159721283	0.246162302	0.999371363	Not Sig
ENSG00000229390	NA	NA	NA	13.02795912	-0.744925255	0.848605527	-0.877822771	0.380039905	0.999371363	Not Sig
ENSG00000239569	NA	NA	NA	62.09527373	-0.744821503	0.595918691	-1.249871022	0.211346667	0.999371363	Not Sig
ENSG00000271971	NA	NA	NA	35.25369572	-0.744537565	0.808534873	-0.920847807	0.357129891	0.999371363	Not Sig
ENSG00000165644	COMTD1	catechol-O-methyltransferase domain containing 1	118881	261.6145644	-0.744314815	0.587890766	-1.266076723	0.205485615	0.999371363	Not Sig
ENSG00000243660	NA	NA	NA	128.757875	-0.744156877	0.487229605	-1.527322785	0.126680766	0.999371363	Not Sig
ENSG00000241547	NA	NA	NA	20.01411171	-0.744080902	0.904146377	-0.822965087	0.410527848	0.999371363	Not Sig
ENSG00000065911	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP-dependent) 2, cytosolic	10797	681.7448198	-0.743437716	0.641499869	-1.158905484	0.246494713	0.999371363	Not Sig
ENSG00000230665	NA	NA	NA	1.642182341	-0.743351357	2.014834497	-0.368939165	0.71217307	NA	NA
ENSG00000221598	MIR1249	microRNA 1249	100302149	4.873629627	-0.742900147	1.214801864	-0.611540177	0.540842029	NA	NA
ENSG00000221044	NA	NA	NA	4.720131339	-0.742734346	1.185836972	-0.626337653	0.531093494	NA	NA

ENSG00000215326	NA	NA	NA	1.241057744	-0.742683974	2.450925118	-0.303021895	0.761873176	NA	NA
ENSG00000215861	LOC653513	phosphodiesterase 4D interacting protein-like	653513	4.34832675	-0.742364262	1.388593591	-0.534615936	0.592915462	NA	NA
ENSG00000130958	SLC35D2	solute carrier family 35 member D2	11046	393.807183	-0.742046717	0.42761897	-1.735298873	0.082687881	0.999371363	Not Sig
ENSG00000257506	NA	NA	NA	3.430335129	-0.741617936	1.657312491	-0.447482258	0.654526895	NA	NA
ENSG00000127989	MTERF1	mitochondrial transcription termination factor 1	7978	254.9792989	-0.741287844	0.565574584	-1.31068097	0.189965571	0.999371363	Not Sig
ENSG00000207134	NA	NA	NA	2.651478369	-0.741208637	1.542081021	-0.480654795	0.630761865	NA	NA
ENSG00000115524	SF3B1	splicing factor 3b subunit 1	23451	9972.387623	-0.741185401	0.615008006	-1.205163826	0.228140064	0.999371363	Not Sig
ENSG00000185201	IFITM2	interferon induced transmembrane protein 2	10581	2548.060451	-0.740480656	0.449516099	-1.647283951	0.099499695	0.999371363	Not Sig
ENSG00000120049	KCNIP2	potassium voltage-gated channel interacting protein 2	30819	117.5602021	-0.739935317	0.450702338	-1.641738362	0.100644238	0.999371363	Not Sig
ENSG00000232081	NA	NA	NA	18.19363683	-0.739758168	0.814631037	-0.90808984	0.363830758	0.999371363	Not Sig
ENSG00000203648	NA	NA	NA	2.21171766	-0.739639152	1.732485167	-0.426923801	0.669434829	NA	NA
ENSG00000222022	NA	NA	NA	2.722009003	-0.739526985	1.746063393	-0.423539597	0.671901615	NA	NA
ENSG00000228008	NA	NA	NA	6.653745569	-0.739457038	1.113947997	-0.663816479	0.506807777	0.999371363	Not Sig
ENSG00000257839	NA	NA	NA	14.22703279	-0.738239509	0.808097172	-0.913552893	0.360951829	0.999371363	Not Sig
ENSG00000238717	NA	NA	NA	18.71882999	-0.738104691	1.209129288	-0.61044315	0.541568292	0.999371363	Not Sig
ENSG00000238741	SCARNA7	small Cajal body-specific RNA 7	677767	4513.568834	-0.738076067	0.553067736	-1.33451297	0.182035799	0.999371363	Not Sig
ENSG00000140043	PTGR2	prostaglandin reductase 2	145482	242.2654338	-0.73781269	0.709705833	-1.039603531	0.298524136	0.999371363	Not Sig
ENSG00000157259	GATAD1	GATA zinc finger domain containing 1	57798	1158.801032	-0.73727165	0.516412447	-1.42767986	0.153384026	0.999371363	Not Sig
ENSG00000206559	ZCWPW2	zinc finger CW-type and PWWP domain containing 2	152098	55.89443057	-0.737162693	0.534681403	-1.378695217	0.167988745	0.999371363	Not Sig
ENSG00000268364	NA	NA	NA	108.4242921	-0.737145641	0.666632296	-1.105775471	0.268823714	0.999371363	Not Sig
ENSG00000166828	SCNN1G	sodium channel epithelial 1 gamma subunit	6340	226.2536021	-0.736981987	1.012649874	-0.727775715	0.466750893	0.999371363	Not Sig
ENSG00000201573	NA	NA	NA	7.417536415	-0.736728612	1.405887268	-0.524031072	0.600256928	0.999371363	Not Sig
ENSG00000254207	NA	NA	NA	9.226119305	-0.736394893	0.873944442	-0.842610648	0.399446234	0.999371363	Not Sig
ENSG00000131848	ZSCAN5A	zinc finger and SCAN domain containing 5A	79149	149.8218495	-0.736220456	0.509110232	-1.446092437	0.148151277	0.999371363	Not Sig
ENSG00000271959	FP248	Putative chemokine-related protein FP248	101930072	39.5324682	-0.736204461	0.656647439	-1.121156373	0.262221306	0.999371363	Not Sig
ENSG00000259410	NA	NA	NA	1.757786622	-0.735448009	1.753852753	-0.419332814	0.674972919	NA	NA
ENSG00000105245	NUMBL	NUMB like, endocytic adaptor protein	9253	486.5189242	-0.735408617	0.557855995	-1.318276804	0.187411003	0.999371363	Not Sig
ENSG00000179841	AKAP5	A-kinase anchoring protein 5	9495	140.1290506	-0.73540847	0.648974576	-1.133185331	0.257136433	0.999371363	Not Sig
ENSG00000181666	HKR1	HKR1, GLI-Kruppel zinc finger family member	284459	825.2400038	-0.735338605	0.454007655	-1.619661248	0.105305065	0.999371363	Not Sig
ENSG00000233994	NA	NA	NA	3.205686246	-0.735036827	1.672510212	-0.439481219	0.660312888	NA	NA
ENSG00000109832	DDX25	DEAD-box helicase 25	29118	3.270659595	-0.734920622	1.908223444	-0.385133421	0.700138568	NA	NA
ENSG00000239794	NA	NA	NA	12.86337912	-0.73397753	0.984514043	-0.745522662	0.455955816	0.999371363	Not Sig
ENSG00000273419	NA	NA	NA	3.953639688	-0.733744515	1.612662001	-0.454989647	0.649116687	NA	NA
ENSG00000225784	NA	NA	NA	8.964018614	-0.733660391	0.932855562	-0.786467296	0.431593772	0.999371363	Not Sig
ENSG00000270157	NA	NA	NA	158.3674608	-0.733523249	0.475937798	-1.541216629	0.123264072	0.999371363	Not Sig

ENSG00000203441	LINC00449	long intergenic non-protein coding RNA 449	106478991	3.335875864	-0.73344975	1.320353014	-0.555495191	0.578555998	NA	NA
ENSG00000254461	NA	NA	NA	2.451638366	-0.733423781	1.750420585	-0.418998604	0.675217153	NA	NA
ENSG00000151923	TIAL1	TIAL1 cytotoxic granule associated RNA binding protein like 1	7073	1573.05975	-0.733350367	0.582086883	-1.259864101	0.207718391	0.999371363	Not Sig
ENSG00000177879	AP3S1	adaptor related protein complex 3 sigma 1 subunit	1176	617.0985631	-0.733300404	0.66003818	-1.110996948	0.266569663	0.999371363	Not Sig
ENSG00000221716	SNORA11	small nucleolar RNA, H/ACA box 11	677799	5.732986335	-0.733076993	1.079025011	-0.679388324	0.496891846	NA	NA
ENSG00000237732	LOC440934	uncharacterized LOC440934	440934	4.348448895	-0.733007654	1.416185992	-0.517592786	0.604742416	NA	NA
ENSG00000196782	MAML3	mastermind like transcriptional coactivator 3	55534	1020.280353	-0.732352982	0.494496292	-1.481008038	0.138604432	0.999371363	Not Sig
ENSG00000072401	UBE2D1	ubiquitin conjugating enzyme E2 D1	7321	421.828143	-0.732104263	0.684864816	-1.068976309	0.285080345	0.999371363	Not Sig
ENSG00000198276	UCKL1	uridine-cytidine kinase 1 like 1	54963	590.8717435	-0.73168089	0.419211923	-1.745372327	0.080920079	0.999371363	Not Sig
ENSG00000213186	TRIM59	tripartite motif containing 59	286827	119.2020003	-0.731399737	0.850378899	-0.860086883	0.389741151	0.999371363	Not Sig
ENSG00000237296	SMG1P1	SMG1 pseudogene 1	641298	519.2953024	-0.731270706	0.50480802	-1.448611506	0.147446106	0.999371363	Not Sig
ENSG00000260892	NA	NA	NA	28.23573955	-0.730618456	0.712238166	-1.025806381	0.304982858	0.999371363	Not Sig
ENSG00000221955	SLC12A8	solute carrier family 12 member 8	84561	364.9884683	-0.730448894	0.733414476	-0.995956473	0.319271295	0.999371363	Not Sig
ENSG00000206560	ANKRD28	ankyrin repeat domain 28	23243	2047.738483	-0.730374316	0.705106762	-1.035835076	0.30027909	0.999371363	Not Sig
ENSG00000253200	NA	NA	NA	73.88348229	-0.730341566	0.684593545	-1.066825084	0.286050829	0.999371363	Not Sig
ENSG00000137936	BCAR3	BCAR3, NSP family adaptor protein	8412	601.9764782	-0.730338024	0.544910734	-1.340289296	0.18015131	0.999371363	Not Sig
ENSG00000273132	NA	NA	NA	19.74898465	-0.730209179	1.198022745	-0.609511949	0.542185155	0.999371363	Not Sig
ENSG00000172940	SLC22A13	solute carrier family 22 member 13	9390	14.34980151	-0.730176388	1.003330719	-0.727752449	0.466765138	0.999371363	Not Sig
ENSG00000167632	TRAPPC9	trafficking protein particle complex 9	83696	2177.866671	-0.730071396	0.528996837	-1.380105408	0.167554192	0.999371363	Not Sig
ENSG00000272579	NA	NA	NA	13.96351055	-0.730053245	1.002893375	-0.727947022	0.466646018	0.999371363	Not Sig
ENSG00000264508	NA	NA	NA	58.29945161	-0.72976976	0.531863405	-1.372099966	0.17003232	0.999371363	Not Sig
ENSG00000164941	INTS8	integrator complex subunit 8	55656	1285.043821	-0.729473437	0.619583476	-1.177361025	0.239051439	0.999371363	Not Sig
ENSG00000221491	SNORA2C	small nucleolar RNA, H/ACA box 2C	677815	7.612814774	-0.729217631	0.927359973	-0.786337186	0.431669972	0.999371363	Not Sig
ENSG00000238793	SNORD124	small nucleolar RNA, C/D box 124	101340251	4.937174676	-0.728610649	1.177826945	-0.618605859	0.536176041	NA	NA
ENSG00000259316	NA	NA	NA	26.17265129	-0.728436708	0.824980019	-0.882974971	0.377249795	0.999371363	Not Sig
ENSG00000206875	NA	NA	NA	7.477626699	-0.728329113	1.060225692	-0.686956673	0.492110032	0.999371363	Not Sig
ENSG00000235701	NA	NA	NA	6.46187146	-0.728239722	1.102392512	-0.6605993	0.508869318	NA	NA
ENSG00000173530	TNFRSF10D	TNF receptor superfamily member 10d	8793	429.0992843	-0.728223212	0.485759468	-1.499143632	0.133836375	0.999371363	Not Sig
ENSG00000243385	NA	NA	NA	9.051112185	-0.728078238	1.185971672	-0.613908625	0.539275711	0.999371363	Not Sig
ENSG00000259529	NA	NA	NA	47.03339608	-0.72789615	0.672909491	-1.081714793	0.279379278	0.999371363	Not Sig
ENSG00000255143	NA	NA	NA	1.542054836	-0.727380735	2.328457416	-0.31238739	0.754746132	NA	NA
ENSG00000255374	TAS2R43	taste 2 receptor member 43	259289	43.64626901	-0.727377301	1.035514794	-0.702430622	0.482410654	0.999371363	Not Sig
ENSG00000255374	TAS2R45	taste 2 receptor member 45	259291	43.64626901	-0.727377301	1.035514794	-0.702430622	0.482410654	0.999371363	Not Sig
ENSG00000176472	ZNF575	zinc finger protein 575	284346	49.81922467	-0.72647937	0.697254353	-1.041914427	0.297451355	0.999371363	Not Sig
ENSG00000174483	BBS1	Bardet-Biedl syndrome 1	582	65.72135521	-0.726340471	0.497026253	-1.461372446	0.143913258	0.999371363	Not Sig

ENSG00000185834	NA	NA	NA	8.968319687	-0.726196459	0.896238584	-0.810271362	0.417784231	0.999371363	Not Sig
ENSG00000273486	NA	NA	NA	25.74755226	-0.726025127	0.822249678	-0.882974048	0.377250293	0.999371363	Not Sig
ENSG00000252559	NA	NA	NA	1.194688839	-0.725946244	2.451950015	-0.296068941	0.767177433	NA	NA
ENSG00000226200	NA	NA	NA	301.8664599	-0.725933218	0.473196129	-1.534106417	0.125003475	0.999371363	Not Sig
ENSG00000136842	TMOD1	tropomodulin 1	7111	188.8548539	-0.72563024	0.837442797	-0.86648335	0.386225153	0.999371363	Not Sig
ENSG00000069431	ABCC9	ATP binding cassette subfamily C member 9	10060	730.3457298	-0.725571975	0.673025522	-1.078074978	0.281000297	0.999371363	Not Sig
ENSG00000107562	CXCL12	C-X-C motif chemokine ligand 12	6387	644.2002092	-0.725472272	0.783000117	-0.926528945	0.354171162	0.999371363	Not Sig
ENSG00000269746	NA	NA	NA	0.777672457	-0.724068253	2.800274359	-0.258570468	0.795966671	NA	NA
ENSG00000199032	MIR425	microRNA 425	494337	2.918444475	-0.724046494	1.463447658	-0.49475394	0.620773821	NA	NA
ENSG00000255112	CHMP1B	charged multivesicular body protein 1B	57132	1562.880361	-0.723694338	0.484361357	-1.494120716	0.13514407	0.999371363	Not Sig
ENSG00000169429	CXCL8	C-X-C motif chemokine ligand 8	3576	688.8351575	-0.723662631	0.787410328	-0.919041325	0.358073958	0.999371363	Not Sig
ENSG00000199545	NA	NA	NA	17.57365431	-0.723551377	0.91631455	-0.789632095	0.429742659	0.999371363	Not Sig
ENSG00000184402	SS18L1	SS18L1, nBAF chromatin remodeling complex subunit	26039	561.4180719	-0.722772794	0.508369376	-1.421747313	0.15509962	0.999371363	Not Sig
ENSG00000233308	OSTN-AS1	OSTN antisense RNA 1	106480738	1.331315992	-0.722590014	2.429757967	-0.297391767	0.766167429	NA	NA
ENSG00000233360	LOC101927051	uncharacterized LOC101927051	101927051	2.081528042	-0.722585039	1.680162718	-0.430068488	0.667145822	NA	NA
ENSG00000221680	MIR1278	microRNA 1278	100302163	6.339558455	-0.72180063	1.050401789	-0.687166223	0.491977987	NA	NA
ENSG00000028277	POU2F2	POU class 2 homeobox 2	5452	319.1653909	-0.721732604	0.530700219	-1.35996289	0.173841668	0.999371363	Not Sig
ENSG00000180773	SLC36A4	solute carrier family 36 member 4	120103	518.2362377	-0.721533543	0.739222609	-0.976070718	0.329029421	0.999371363	Not Sig
ENSG00000119314	PTBP3	polypyrimidine tract binding protein 3	9991	4579.976138	-0.72151749	0.677313142	-1.06526427	0.286756357	0.999371363	Not Sig
ENSG00000196781	TLE1	transducin like enhancer of split 1	7088	1105.981368	-0.72118014	0.461320782	-1.563294279	0.117983393	0.999371363	Not Sig
ENSG00000234886	NA	NA	NA	30.97914448	-0.721047633	1.327992731	-0.542960527	0.58715698	0.999371363	Not Sig
ENSG00000105290	APLP1	amyloid beta precursor like protein 1	333	56.08774993	-0.72098425	0.667161084	-1.080674918	0.279841744	0.999371363	Not Sig
ENSG00000113600	C9	complement C9	735	4.367197159	-0.720797262	1.233614372	-0.584297069	0.559020464	NA	NA
ENSG00000254409	NA	NA	NA	6.022281761	-0.720248199	1.125282546	-0.640059869	0.522133678	NA	NA
ENSG00000199471	NA	NA	NA	5.178485595	-0.719918315	1.227358642	-0.586559047	0.557499894	NA	NA
ENSG00000182487	NCF1B	neutrophil cytosolic factor 1B pseudogene	654816	94.11426679	-0.719711862	0.868088175	-0.82907691	0.407060888	0.999371363	Not Sig
ENSG00000259279	NA	NA	NA	2.895700148	-0.719326424	1.484327148	-0.484614477	0.627949843	NA	NA
ENSG00000239665	NA	NA	NA	762.1435343	-0.71925944	0.499335657	-1.440432764	0.149745	0.999371363	Not Sig
ENSG00000138772	ANXA3	annexin A3	306	1265.420739	-0.719219749	0.745429577	-0.964839298	0.334625309	0.999371363	Not Sig
ENSG00000177337	NA	NA	NA	257.2812659	-0.718908405	0.596520983	-1.205168679	0.228138191	0.999371363	Not Sig
ENSG00000265930	NA	NA	NA	2.74318121	-0.718660151	1.603802513	-0.448097659	0.654082717	NA	NA
ENSG00000161638	ITGA5	integrin subunit alpha 5	3678	2317.360932	-0.718486257	0.717946827	-1.00075135	0.316947035	0.999371363	Not Sig
ENSG00000239677	NA	NA	NA	4.056773008	-0.718282614	1.489801895	-0.482132971	0.629711489	NA	NA
ENSG00000266733	TBC1D29	TBC1 domain family member 29	26083	1.532600587	-0.717340396	2.25122455	-0.318644533	0.74999608	NA	NA
ENSG00000162783	IER5	immediate early response 5	51278	1544.233832	-0.71729741	0.610780145	-1.174395428	0.240236676	0.999371363	Not Sig

ENSG00000263980	NA	NA	NA	8.618375029	-0.717211154	0.931994178	-0.769544672	0.441570036	0.999371363	Not Sig
ENSG00000230551	NA	NA	NA	1258.841646	-0.716961144	0.747182902	-0.959552397	0.337280537	0.999371363	Not Sig
ENSG00000163527	STT3B	STT3B, catalytic subunit of the oligosaccharyltransferase complex	201595	4843.188716	-0.716821368	0.637381861	-1.124634089	0.260744122	0.999371363	Not Sig
ENSG00000051341	POLQ	DNA polymerase theta	10721	174.8991941	-0.716591048	0.887202258	-0.807697502	0.419264742	0.999371363	Not Sig
ENSG00000228775	WEE2-AS1	WEE2 antisense RNA 1	285962	39.71632116	-0.716375526	0.573575197	-1.248965315	0.21167776	0.999371363	Not Sig
ENSG00000230547	NA	NA	NA	0.877384955	-0.716273161	2.737488384	-0.261653407	0.793588665	NA	NA
ENSG00000257231	NA	NA	NA	0.877384955	-0.716273161	2.737488384	-0.261653407	0.793588665	NA	NA
ENSG00000115145	STAM2	signal transducing adaptor molecule 2	10254	1644.946463	-0.716256782	0.676157613	-1.059304471	0.289461139	0.999371363	Not Sig
ENSG00000059769	DNAJC25	DnaJ heat shock protein family (Hsp40) member C25	548645	153.2121737	-0.716211081	0.668113972	-1.071989378	0.283724803	0.999371363	Not Sig
ENSG00000197993	KEL	Kell blood group, metallo-endopeptidase	3792	12.99773234	-0.716114263	0.797544339	-0.897898998	0.369239399	0.999371363	Not Sig
ENSG00000140678	ITGAX	integrin subunit alpha X	3687	2022.240395	-0.71590999	0.756100203	-0.946845388	0.34371757	0.999371363	Not Sig
ENSG00000256197	NA	NA	NA	15.50063897	-0.715736146	0.875161686	-0.817833044	0.413452527	0.999371363	Not Sig
ENSG00000182782	HCAR2	hydroxycarboxylic acid receptor 2	338442	251.299532	-0.715602667	0.862071359	-0.83009679	0.406484062	0.999371363	Not Sig
ENSG00000101298	SNPH	syntaphilin	9751	191.9792931	-0.715450528	0.769368912	-0.929918686	0.352413187	0.999371363	Not Sig
ENSG00000226769	NA	NA	NA	8.191882724	-0.71495493	1.051884377	-0.679689655	0.496700988	0.999371363	Not Sig
ENSG00000250959	GLUD1P3	glutamate dehydrogenase 1 pseudogene 3	2749	97.80407637	-0.714594549	0.523327691	-1.365482013	0.172101603	0.999371363	Not Sig
ENSG00000171425	ZNF581	zinc finger protein 581	51545	190.8552687	-0.714525355	0.514871732	-1.387773519	0.165206021	0.999371363	Not Sig
ENSG00000173611	SCAI	suppressor of cancer cell invasion	286205	527.659233	-0.714522085	0.449077997	-1.591086828	0.111590036	0.999371363	Not Sig
ENSG00000212124	TAS2R19	taste 2 receptor member 19	259294	68.08236856	-0.714209276	0.783591361	-0.911456292	0.362055005	0.999371363	Not Sig
ENSG00000244480	NA	NA	NA	37.00182441	-0.713769143	0.575872313	-1.239457302	0.215176192	0.999371363	Not Sig
ENSG00000239912	NA	NA	NA	10.22434106	-0.713716903	1.033751095	-0.690414653	0.489933465	0.999371363	Not Sig
ENSG00000260586	NA	NA	NA	24.26562508	-0.71357662	0.94603807	-0.754278968	0.450681728	0.999371363	Not Sig
ENSG00000213885	NA	NA	NA	2.733726962	-0.713540301	1.603736415	-0.444923676	0.656374912	NA	NA
ENSG00000227398	NA	NA	NA	61.8248375	-0.713274609	0.568381007	-1.25492337	0.209506579	0.999371363	Not Sig
ENSG00000272677	NA	NA	NA	11.92178664	-0.713197783	0.888653054	-0.802560437	0.422228843	0.999371363	Not Sig
ENSG00000207574	MIR661	microRNA 661	724031	14.72746164	-0.713000136	0.806345079	-0.884236979	0.3765683	0.999371363	Not Sig
ENSG00000158856	DMTN	dematin actin binding protein	2039	812.1291019	-0.712770947	0.791576344	-0.900444982	0.367883492	0.999371363	Not Sig
ENSG00000207696	MIR659	microRNA 659	724029	2.479220919	-0.712526304	2.087976958	-0.341251996	0.732913883	NA	NA
ENSG00000266533	MIR3619	microRNA 3619	100500828	29.9509103	-0.712262495	0.840175846	-0.847754073	0.396574946	0.999371363	Not Sig
ENSG00000225511	NA	NA	NA	17.24050292	-0.712129559	0.964973457	-0.73797839	0.460527581	0.999371363	Not Sig
ENSG00000263165	NA	NA	NA	3.259606036	-0.711623495	1.666239811	-0.427083479	0.669318526	NA	NA
ENSG00000174721	FGFBP3	fibroblast growth factor binding protein 3	143282	37.64254744	-0.711599792	0.803848075	-0.885241645	0.376026316	0.999371363	Not Sig
ENSG00000213601	NA	NA	NA	5.9355281	-0.711474584	1.559821557	-0.456125626	0.648299643	NA	NA
ENSG00000131375	CAPN7	calpain 7	23473	1582.473481	-0.711301769	0.648729902	-1.096452879	0.272880634	0.999371363	Not Sig
ENSG00000068976	PYGM	glycogen phosphorylase, muscle associated	5837	51.34648219	-0.711185338	0.902269441	-0.788218359	0.430568992	0.999371363	Not Sig

ENSG00000205482	NA	NA	NA	11.39187864	-0.711177451	0.803100133	-0.885540198	0.375865349	0.999371363	Not Sig
ENSG00000264539	MIR548AR	microRNA 548ar	100847035	7.331950776	-0.710950156	1.471970169	-0.482992231	0.629101252	0.999371363	Not Sig
ENSG00000124103	FAM209A	family with sequence similarity 209 member A	200232	6.115994776	-0.710924651	1.220427939	-0.582520793	0.56021594	NA	NA
ENSG00000128739	SNRPN	small nuclear ribonucleoprotein polypeptide N	6638	132.1094096	-0.710366972	0.567298736	-1.252192059	0.210499889	0.999371363	Not Sig
ENSG00000128739	SNURF	SNRPN upstream reading frame	8926	132.1094096	-0.710366972	0.567298736	-1.252192059	0.210499889	0.999371363	Not Sig
ENSG00000127914	AKAP9	A-kinase anchoring protein 9	10142	6680.53497	-0.710164368	0.536250602	-1.324314351	0.185398666	0.999371363	Not Sig
ENSG00000167757	KLK11	kallikrein related peptidase 11	11012	112.1370328	-0.71014321	1.347377193	-0.527055982	0.598154713	0.999371363	Not Sig
ENSG00000164118	CEP44	centrosomal protein 44	80817	483.1282174	-0.709889756	0.591700487	-1.199745094	0.230238354	0.999371363	Not Sig
ENSG00000157388	CACNA1D	calcium voltage-gated channel subunit alpha D	776	1098.947313	-0.709527879	0.766152894	-0.926091756	0.354398298	0.999371363	Not Sig
ENSG00000272574	NA	NA	NA	35.92172337	-0.709468231	0.808229311	-0.877805619	0.380049215	0.999371363	Not Sig
ENSG00000221063	MIR1296	microRNA 1296	100302150	25.86892622	-0.709279936	0.729304413	-0.972543047	0.33078046	0.999371363	Not Sig
ENSG00000253124	NA	NA	NA	0.75492813	-0.709211376	3.265258926	-0.217199123	0.828053168	NA	NA
ENSG00000259603	NA	NA	NA	0.75492813	-0.709211376	3.265258926	-0.217199123	0.828053168	NA	NA
ENSG00000233469	NA	NA	NA	10.31008142	-0.708694455	0.922944196	-0.767862735	0.442568739	0.999371363	Not Sig
ENSG00000242445	NA	NA	NA	2.726874419	-0.708620586	1.675025365	-0.42305066	0.6722583	NA	NA
ENSG00000254109	RBPMS-AS1	RBPMS antisense RNA 1	100128750	84.17306833	-0.708294842	0.795296793	-0.890604424	0.373141425	0.999371363	Not Sig
ENSG00000252498	NA	NA	NA	83.87445874	-0.708163002	0.864004102	-0.819629213	0.412427515	0.999371363	Not Sig
ENSG00000184838	PRR16	proline rich 16	51334	49.6302353	-0.707237802	0.549538253	-1.286967374	0.19810566	0.999371363	Not Sig
ENSG00000252577	SCARNA20	small Cajal body-specific RNA 20	677681	4.950282847	-0.707167599	1.267629745	-0.557866051	0.576935856	NA	NA
ENSG00000179104	TMTC2	transmembrane and tetratricopeptide repeat containing 2	160335	943.8169091	-0.706818186	0.432033853	-1.636025003	0.101834355	0.999371363	Not Sig
ENSG00000264505	NA	NA	NA	2.20828594	-0.7068051	1.750255149	-0.403829751	0.686337918	NA	NA
ENSG00000254324	MIR151A	microRNA 151a	442893	11.75920535	-0.70678941	0.871300703	-0.811188844	0.417257231	0.999371363	Not Sig
ENSG00000270060	NA	NA	NA	28.63304102	-0.70614905	0.638581379	-1.105809021	0.268809189	0.999371363	Not Sig
ENSG00000182983	ZNF662	zinc finger protein 662	389114	246.9660028	-0.706057973	0.742701119	-0.950662325	0.341775819	0.999371363	Not Sig
ENSG00000248383	PCDHAC1	protocadherin alpha subfamily C, 1	56135	185.0216572	-0.706055716	0.720517642	-0.979928422	0.327121452	0.999371363	Not Sig
ENSG00000110900	TSPAN11	tetraspanin 11	441631	268.1068018	-0.70597461	0.802773493	-0.879419433	0.379173899	0.999371363	Not Sig
ENSG00000231752	EMBP1	embigin pseudogene 1	647121	36.75229261	-0.705396234	0.928328016	-0.759856668	0.447340265	0.999371363	Not Sig
ENSG00000188707	ZBED6CL	ZBED6 C-terminal like	113763	222.5854241	-0.705230653	0.48888286	-1.442535033	0.149151496	0.999371363	Not Sig
ENSG00000143190	POU2F1	POU class 2 homeobox 1	5451	1772.290324	-0.705040852	0.623760917	-1.130306232	0.258347209	0.999371363	Not Sig
ENSG00000261879	LOC100130950	uncharacterized LOC100130950	100130950	59.03213833	-0.704834896	0.510610602	-1.38037654	0.167470739	0.999371363	Not Sig
ENSG00000164406	LEAP2	liver enriched antimicrobial peptide 2	116842	26.57553118	-0.704806315	0.792578477	-0.88925745	0.373864734	0.999371363	Not Sig
ENSG00000232010	LOC105372833	uncharacterized LOC105372833	105372833	1.539038123	-0.704663774	2.209280058	-0.318956291	0.749759658	NA	NA
ENSG00000232010	LOC105379484	uncharacterized LOC105379484	105379484	1.539038123	-0.704663774	2.209280058	-0.318956291	0.749759658	NA	NA
ENSG00000225407	NA	NA	NA	3.689497489	-0.704659467	1.562218695	-0.451063266	0.651943952	NA	NA
ENSG00000232479	NA	NA	NA	20.39348846	-0.704347218	0.659064466	-1.068707621	0.285201436	0.999371363	Not Sig

ENSG00000268538	NA	NA	NA	16.30653256	-0.704009557	0.844694676	-0.833448554	0.404591801	0.999371363	Not Sig
ENSG00000240535	NA	NA	NA	0.854640627	-0.703872485	2.445763762	-0.287792507	0.773505573	NA	NA
ENSG00000270503	NA	NA	NA	0.854640627	-0.703872485	2.445763762	-0.287792507	0.773505573	NA	NA
ENSG00000227407	NA	NA	NA	10.51250105	-0.703609798	0.866498276	-0.812015231	0.416782892	0.999371363	Not Sig
ENSG00000165476	REEP3	receptor accessory protein 3	221035	1718.670759	-0.703569752	0.665217781	-1.057653257	0.290213553	0.999371363	Not Sig
ENSG00000242412	DBIL5P2	diazepam binding inhibitor-like 5 pseudogene 2	100169989	4.241308614	-0.703461895	1.193363693	-0.589478211	0.555540524	NA	NA
ENSG00000228830	NA	NA	NA	11.36387018	-0.703273031	0.881633616	-0.797693076	0.425048623	0.999371363	Not Sig
ENSG00000244021	NA	NA	NA	7.781585844	-0.703220184	0.957406108	-0.734505638	0.462640625	0.999371363	Not Sig
ENSG00000232407	NA	NA	NA	10.11973567	-0.702972231	1.045179719	-0.672585028	0.501211329	0.999371363	Not Sig
ENSG00000251819	NA	NA	NA	10.70788526	-0.70295724	0.816328423	-0.861120624	0.389171612	0.999371363	Not Sig
ENSG00000268941	LINC01711	long intergenic non-protein coding RNA 1711	79160	3.576494913	-0.702512936	1.459668454	-0.481282536	0.630315707	NA	NA
ENSG00000253106	NA	NA	NA	90.08456942	-0.702361785	0.646492159	-1.08641965	0.277293372	0.999371363	Not Sig
ENSG00000085365	SCAMP1	secretory carrier membrane protein 1	9522	1111.325962	-0.702321003	0.682666571	-1.028790676	0.303578049	0.999371363	Not Sig
ENSG00000107643	MAPK8	mitogen-activated protein kinase 8	5599	845.1494137	-0.702019392	0.638095021	-1.100180018	0.271253695	0.999371363	Not Sig
ENSG00000212302	NA	NA	NA	1.709281255	-0.70191301	1.882726261	-0.372817347	0.709284391	NA	NA
ENSG00000241015	TPM3P9	tropomyosin 3 pseudogene 9	147804	287.4549278	-0.701788763	0.457282127	-1.534695371	0.124858673	0.999371363	Not Sig
ENSG00000104415	WISP1	WNT1 inducible signaling pathway protein 1	8840	232.7175437	-0.701652222	0.85107309	-0.82443239	0.409693917	0.999371363	Not Sig
ENSG00000199691	NA	NA	NA	11.56326799	-0.701367848	0.85774579	-0.817687311	0.413535758	0.999371363	Not Sig
ENSG00000235128	NA	NA	NA	16.99923025	-0.70115527	1.020715606	-0.686925199	0.492129867	0.999371363	Not Sig
ENSG00000166359	WDR88	WD repeat domain 88	126248	2.710567627	-0.701099814	1.941729919	-0.361069687	0.718047353	NA	NA
ENSG00000267504	NA	NA	NA	52.14627676	-0.701035009	0.561207074	-1.249155688	0.211608136	0.999371363	Not Sig
ENSG00000112303	VNN2	vanin 2	8875	221.2827134	-0.700774131	0.849733698	-0.82469853	0.409542767	0.999371363	Not Sig
ENSG00000229739	LOC102724919	uncharacterized LOC102724919	102724919	8.286702336	-0.700584554	1.089856416	-0.642822801	0.520339087	0.999371363	Not Sig
ENSG00000231635	NA	NA	NA	0.784109993	-0.700476638	3.237153681	-0.216386587	0.82868642	NA	NA
ENSG00000237380	NA	NA	NA	0.784109993	-0.700476638	3.237153681	-0.216386587	0.82868642	NA	NA
ENSG00000257195	NA	NA	NA	0.784109993	-0.700476638	3.237153681	-0.216386587	0.82868642	NA	NA
ENSG00000266640	MIR4754	microRNA 4754	100616168	0.784109993	-0.700476638	3.237153681	-0.216386587	0.82868642	NA	NA
ENSG00000153044	CENPH	centromere protein H	64946	88.08847525	-0.700313054	0.794440741	-0.881517044	0.378038033	0.999371363	Not Sig
ENSG00000230940	NA	NA	NA	4.083354536	-0.700134869	1.577341636	-0.443870151	0.657136467	NA	NA
ENSG00000242262	NA	NA	NA	3.266043572	-0.700108034	1.470470009	-0.47611174	0.633994774	NA	NA
ENSG00000115657	ABCB6	ATP binding cassette subfamily B member 6 (Langereis blood group)	10058	23.80017858	-0.699932661	0.78939328	-0.886671674	0.375255693	0.999371363	Not Sig
ENSG00000177688	SUMO4	small ubiquitin-like modifier 4	387082	46.43736503	-0.699703598	0.69690647	-1.004013634	0.315372042	0.999371363	Not Sig
ENSG00000263648	NA	NA	NA	25.70509576	-0.699682185	0.955860129	-0.731992228	0.464173312	0.999371363	Not Sig
ENSG00000228485	NA	NA	NA	40.18865778	-0.699122501	0.728217615	-0.960046127	0.337032	0.999371363	Not Sig
ENSG00000230578	NA	NA	NA	4.096644614	-0.698933333	1.561823894	-0.447510975	0.654506166	NA	NA

ENSG00000262503	NA	NA	NA	9.076425232	-0.698725192	1.069215812	-0.653493134	0.513438415	0.999371363	Not Sig
ENSG00000238324	NA	NA	NA	3.990494581	-0.698615842	1.41006394	-0.495449761	0.620282676	NA	NA
ENSG00000156970	BUB1B	BUB1 mitotic checkpoint serine/threonine kinase B	701	176.0583777	-0.698514811	1.234290619	-0.565924103	0.571445376	0.999371363	Not Sig
ENSG00000133401	PDZD2	PDZ domain containing 2	23037	2464.014517	-0.698364779	0.778374207	-0.897209559	0.369607105	0.999371363	Not Sig
ENSG00000139329	LUM	lumican	4060	7264.962063	-0.69823581	0.617789373	-1.130216608	0.258384963	0.999371363	Not Sig
ENSG00000157999	ANKRD61	ankyrin repeat domain 61	100310846	2.450039056	-0.69801157	1.590583213	-0.438840021	0.660777459	NA	NA
ENSG00000173917	HOXB2	homeobox B2	3212	155.4521576	-0.69788695	0.570933894	-1.222360342	0.22157139	0.999371363	Not Sig
ENSG00000153815	CMIP	c-Maf inducing protein	80790	3001.964717	-0.69783561	0.415674312	-1.678803787	0.09319029	0.999371363	Not Sig
ENSG00000102572	STK24	serine/threonine kinase 24	8428	3044.483802	-0.697754858	0.537249692	-1.298753388	0.194028576	0.999371363	Not Sig
ENSG00000226696	LENG8-AS1	LENG8 antisense RNA 1	104355426	126.031257	-0.697283807	0.564029149	-1.236254914	0.216363824	0.999371363	Not Sig
ENSG00000004777	ARHGAP33	Rho GTPase activating protein 33	115703	173.8959422	-0.69715838	0.546626704	-1.275382952	0.20217373	0.999371363	Not Sig
ENSG00000229186	NA	NA	NA	83.99534704	-0.697147472	0.470575002	-1.481480038	0.1384787	0.999371363	Not Sig
ENSG00000145244	CORIN	corin, serine peptidase	10699	89.98015415	-0.697041555	0.624663981	-1.115866412	0.264479321	0.999371363	Not Sig
ENSG00000256030	NA	NA	NA	10.60474104	-0.696931017	0.824490872	-0.845286517	0.397950887	0.999371363	Not Sig
ENSG00000223189	NA	NA	NA	8.262995232	-0.696723454	1.584896105	-0.439601972	0.660225412	0.999371363	Not Sig
ENSG00000254671	STT3A-AS1	STT3A antisense RNA 1	105369550	2.887663302	-0.696108449	1.373284158	-0.506893235	0.612229733	NA	NA
ENSG00000227541	NA	NA	NA	13.02472984	-0.696039708	0.967956103	-0.719081895	0.472090462	0.999371363	Not Sig
ENSG00000196912	ANKRD36B	ankyrin repeat domain 36B	57730	883.5635178	-0.69575645	0.620994719	-1.120390286	0.262547483	0.999371363	Not Sig
ENSG00000138764	CCNG2	cyclin G2	901	1411.893491	-0.695393036	0.583910172	-1.190924681	0.233683154	0.999371363	Not Sig
ENSG00000254598	CSNK2A3	casein kinase 2 alpha 3	283106	18.61802788	-0.695280997	0.7675909	-0.905796301	0.36504368	0.999371363	Not Sig
ENSG00000153956	CACNA2D1	calcium voltage-gated channel auxiliary subunit alpha2delta 1	781	347.6761603	-0.695083493	0.528093256	-1.316213539	0.188102381	0.999371363	Not Sig
ENSG00000256826	NA	NA	NA	2.232447669	-0.695064216	2.109281111	-0.329526592	0.741757698	NA	NA
ENSG00000104218	CSPP1	centrosome and spindle pole associated protein 1	79848	807.5005423	-0.695054633	0.488123838	-1.423930935	0.154466466	0.999371363	Not Sig
ENSG00000154146	NRGN	neurogranin	4900	304.2227578	-0.694776572	1.02769568	-0.67605283	0.499007104	0.999371363	Not Sig
ENSG00000105185	PDCD5	programmed cell death 5	9141	311.0418688	-0.694726481	0.53452391	-1.299710768	0.193700118	0.999371363	Not Sig
ENSG00000143179	UCK2	uridine-cytidine kinase 2	7371	453.8680347	-0.694539693	0.583066626	-1.191184098	0.233581321	0.999371363	Not Sig
ENSG00000185480	PARPBP	PARP1 binding protein	55010	104.6922019	-0.694536761	0.985562605	-0.704710951	0.480990135	0.999371363	Not Sig
ENSG00000107485	GATA3	GATA binding protein 3	2625	177.6653973	-0.694171671	0.713560375	-0.972828223	0.330638683	0.999371363	Not Sig
ENSG00000111713	GYS2	glycogen synthase 2	2998	1.715718791	-0.693689826	1.721005922	-0.403072307	0.686895033	NA	NA
ENSG00000234589	NA	NA	NA	5.041570681	-0.693671078	1.355814656	-0.511626773	0.608912244	NA	NA
ENSG00000119138	KLF9	Kruppel like factor 9	687	2025.529566	-0.693626436	0.61213719	-1.133122521	0.257162805	0.999371363	Not Sig
ENSG00000257178	NA	NA	NA	59.40677193	-0.693565589	0.520582583	-1.332287348	0.182765783	0.999371363	Not Sig
ENSG00000120992	LYPLA1	lysophospholipase I	10434	1407.353784	-0.693392558	0.730012017	-0.949837184	0.342194989	0.999371363	Not Sig
ENSG00000229994	NA	NA	NA	50.47722163	-0.693356824	0.74214638	-0.934258851	0.350170385	0.999371363	Not Sig
ENSG00000114354	TFG	TRK-fused gene	10342	1886.062052	-0.693251813	0.724789956	-0.956486507	0.338826498	0.999371363	Not Sig

ENSG00000166923	GREM1	gremlin 1, DAN family BMP antagonist	26585	357.5619412	-0.693142539	1.210152997	-0.57277265	0.56679864	0.999371363	Not Sig
ENSG00000234420	ZNF37BP	zinc finger protein 37B, pseudogene	100129482	606.9782986	-0.693057742	0.515860213	-1.343499119	0.179110411	0.999371363	Not Sig
ENSG00000213347	MXD3	MAX dimerization protein 3	83463	199.8611661	-0.693023701	0.505680679	-1.370476925	0.170538074	0.999371363	Not Sig
ENSG00000165983	PTER	phosphotriesterase related	9317	670.437863	-0.692977634	0.747288962	-0.927322186	0.353759279	0.999371363	Not Sig
ENSG00000039319	ZFYVE16	zinc finger FYVE-type containing 16	9765	1889.312886	-0.692533908	0.612986558	-1.129770138	0.258573094	0.999371363	Not Sig
ENSG00000221252	NA	NA	NA	4.395244955	-0.692506525	1.304705815	-0.530775993	0.595574018	NA	NA
ENSG00000133858	ZFC3H1	zinc finger C3H1-type containing	196441	2511.300206	-0.692377998	0.560024104	-1.236336067	0.21633367	0.999371363	Not Sig
ENSG00000156414	TDRD9	tudor domain containing 9	122402	31.61061714	-0.692218493	0.892110225	-0.775933818	0.437788064	0.999371363	Not Sig
ENSG00000268593	NA	NA	NA	9.462272623	-0.691905706	0.907961287	-0.762043179	0.446034234	0.999371363	Not Sig
ENSG00000182909	NA	NA	NA	168.6603643	-0.691795309	0.645533294	-1.071664801	0.283870616	0.999371363	Not Sig
ENSG00000249494	LOC105379143	uncharacterized LOC105379143	105379143	3.864345747	-0.691623122	1.414768327	-0.488859631	0.624941078	NA	NA
ENSG00000197880	MDS2	myelodysplastic syndrome 2 translocation associated	259283	5.087912396	-0.691460573	1.200590932	-0.57593353	0.564660111	NA	NA
ENSG00000226632	NA	NA	NA	18.74280499	-0.691295908	0.7464818	-0.926072019	0.354408554	0.999371363	Not Sig
ENSG00000008128	CDK11A	cyclin dependent kinase 11A	728642	56.13872523	-0.691101182	0.594842589	-1.161821958	0.245307793	0.999371363	Not Sig
ENSG00000135047	CTSL	cathepsin L	1514	2227.999963	-0.690968351	0.417487978	-1.655061674	0.097911988	0.999371363	Not Sig
ENSG00000188856	NA	NA	NA	10.75287099	-0.690306959	1.642865783	-0.420184635	0.674350579	0.999371363	Not Sig
ENSG00000230769	NA	NA	NA	18.93996089	-0.689177971	0.708126646	-0.973241122	0.330433478	0.999371363	Not Sig
ENSG00000134245	WNT2B	Wnt family member 2B	7482	282.5848897	-0.689013531	0.528605837	-1.303454262	0.192419722	0.999371363	Not Sig
ENSG00000200118	NA	NA	NA	10.83044351	-0.688983313	1.085647667	-0.634628834	0.525670518	0.999371363	Not Sig
ENSG00000176454	LPCAT4	lysophosphatidylcholine acyltransferase 4	254531	400.5565019	-0.688667863	0.460655149	-1.494974851	0.134921006	0.999371363	Not Sig
ENSG00000092345	DAZL	deleted in azoospermia like	1618	0.954353125	-0.688508592	3.103464543	-0.221851606	0.824429405	NA	NA
ENSG00000241709	NA	NA	NA	0.954353125	-0.688508592	3.103464543	-0.221851606	0.824429405	NA	NA
ENSG00000254774	NA	NA	NA	0.954353125	-0.688508592	3.103464543	-0.221851606	0.824429405	NA	NA
ENSG00000265986	MIR4735	microRNA 4735	100616363	0.954353125	-0.688508592	3.103464543	-0.221851606	0.824429405	NA	NA
ENSG00000271142	NA	NA	NA	0.954353125	-0.688508592	3.103464543	-0.221851606	0.824429405	NA	NA
ENSG00000239382	ALKBH6	alkB homolog 6	84964	49.26057478	-0.688002057	0.536386875	-1.282660127	0.199611175	0.999371363	Not Sig
ENSG00000153214	TMEM87B	transmembrane protein 87B	84910	1967.090834	-0.687964782	0.686720431	-1.00181202	0.316434391	0.999371363	Not Sig
ENSG00000224667	NA	NA	NA	4.994897724	-0.687950713	1.436502627	-0.478906687	0.632005014	NA	NA
ENSG00000230793	NA	NA	NA	2.010278347	-0.687421021	1.663723107	-0.413182349	0.679473019	NA	NA
ENSG00000169435	RASSF6	Ras association domain family member 6	166824	309.1705928	-0.687333803	0.764462308	-0.89910751	0.368595398	0.999371363	Not Sig
ENSG00000130702	LAMA5	laminin subunit alpha 5	3911	6839.795505	-0.687329583	0.619107455	-1.110194326	0.266915297	0.999371363	Not Sig
ENSG00000099365	STX1B	syntaxin 1B	112755	24.86725701	-0.68709788	0.673669845	-1.019932665	0.307760397	0.999371363	Not Sig
ENSG00000144791	LIMD1	LIM domains containing 1	8994	3524.139002	-0.687090881	0.481618991	-1.426627466	0.153687303	0.999371363	Not Sig
ENSG00000198130	HIBCH	3-hydroxyisobutyryl-CoA hydrolase	26275	736.3119596	-0.686770948	0.643131285	-1.067854983	0.285585931	0.999371363	Not Sig
ENSG00000267796	LIN37	lin-37 DREAM MuvB core complex component	55957	58.6526382	-0.68629277	0.639156109	-1.073748275	0.282935518	0.999371363	Not Sig

ENSG00000114857	NKTR	natural killer cell triggering receptor	4820	4999.222481	-0.685948538	0.691081274	-0.992572891	0.320918141	0.999371363	Not Sig
ENSG00000142677	IL22RA1	interleukin 22 receptor subunit alpha 1	58985	38.84021776	-0.68578379	0.885349339	-0.774591181	0.43858127	0.999371363	Not Sig
ENSG00000201616	NA	NA	NA	5.228558657	-0.685506046	1.561965276	-0.438874063	0.660752791	NA	NA
ENSG00000219986	NA	NA	NA	7.611487901	-0.6854284	1.064649935	-0.643806361	0.519701008	0.999371363	Not Sig
ENSG00000220693	NA	NA	NA	6.782331452	-0.685417814	1.075510548	-0.637295297	0.523932514	0.999371363	Not Sig
ENSG00000267207	NA	NA	NA	4.859476548	-0.685328883	1.427158643	-0.480205117	0.631081549	NA	NA
ENSG00000229391	HLA-DRB6	major histocompatibility complex, class II, DR beta 6 (pseudogene)	3128	330.4346579	-0.685075235	2.247251879	-0.304850222	0.760480229	0.999371363	Not Sig
ENSG00000199530	NA	NA	NA	4.590911131	-0.684838917	1.314059607	-0.521162749	0.602253402	NA	NA
ENSG00000268379	NA	NA	NA	6.521973891	-0.684554932	1.057541379	-0.64730794	0.517432663	NA	NA
ENSG00000260121	NA	NA	NA	27.82240109	-0.684453545	0.808965003	-0.846085483	0.397505059	0.999371363	Not Sig
ENSG00000226268	NA	NA	NA	0.761365666	-0.684427544	2.811654865	-0.243425163	0.807676053	NA	NA
ENSG00000244239	NA	NA	NA	0.761365666	-0.684427544	2.811654865	-0.243425163	0.807676053	NA	NA
ENSG00000253964	NA	NA	NA	1.522731331	-0.683755684	2.228462911	-0.306828389	0.758973999	NA	NA
ENSG00000194270	NA	NA	NA	5.603922215	-0.683677801	1.539784496	-0.444008758	0.657036252	NA	NA
ENSG00000104626	ERI1	exoribonuclease 1	90459	408.0930217	-0.683334582	0.590391215	-1.157426744	0.247098053	0.999371363	Not Sig
ENSG00000249210	NA	NA	NA	0.861078163	-0.683256348	2.442635201	-0.279720995	0.77969157	NA	NA
ENSG00000230036	NA	NA	NA	4.322577858	-0.682866585	1.324722995	-0.515478774	0.606218498	NA	NA
ENSG00000211643	NA	NA	NA	4.281318365	-0.682826356	1.501327511	-0.454815056	0.649242298	NA	NA
ENSG00000260886	TAT-AS1	TAT antisense RNA 1	100132529	3.063186857	-0.682183974	1.529796365	-0.44593123	0.655646923	NA	NA
ENSG00000208772	SNORD94	small nucleolar RNA, C/D box 94	692225	27.09220471	-0.6819148	0.697514727	-0.977634985	0.328254888	0.999371363	Not Sig
ENSG00000214135	LOC220729	succinate dehydrogenase complex flavoprotein subunit A (pseudogene)	220729	527.1365289	-0.681263696	0.493722779	-1.379850646	0.167632635	0.999371363	Not Sig
ENSG00000225292	NA	NA	NA	2.060068075	-0.681083685	1.812856404	-0.375696433	0.70714259	NA	NA
ENSG00000270948	NA	NA	NA	2.948324681	-0.681081858	1.485990086	-0.458335398	0.646711496	NA	NA
ENSG00000272182	NA	NA	NA	7.732992566	-0.680989931	1.135538195	-0.599706759	0.548701683	0.999371363	Not Sig
ENSG00000104047	DTWD1	DTW domain containing 1	56986	426.2904415	-0.6808968	0.603583284	-1.128090883	0.259281539	0.999371363	Not Sig
ENSG00000269924	NA	NA	NA	63.25672878	-0.680878534	0.827044047	-0.82326756	0.410355857	0.999371363	Not Sig
ENSG00000235781	NA	NA	NA	13.56305671	-0.680859231	0.975641877	-0.697857736	0.485266168	0.999371363	Not Sig
ENSG00000263045	NA	NA	NA	4.146434342	-0.680711852	1.272149727	-0.535087841	0.592589117	NA	NA
ENSG00000267430	NA	NA	NA	36.53676693	-0.680640372	0.648221302	-1.050012349	0.293712435	0.999371363	Not Sig
ENSG00000199200	NA	NA	NA	7.208641849	-0.680535922	1.003029689	-0.678480338	0.497467186	0.999371363	Not Sig
ENSG00000189144	ZNF573	zinc finger protein 573	126231	255.1325093	-0.680042479	0.496751867	-1.368978203	0.171006089	0.999371363	Not Sig
ENSG00000199075	MIR26A1	microRNA 26a-1	407015	4.022145107	-0.680004966	1.323731443	-0.513703115	0.607459574	NA	NA
ENSG00000238878	NA	NA	NA	3.877331773	-0.679703499	1.840810604	-0.369241408	0.711947794	NA	NA
ENSG00000168743	NPNT	nephronectin	255743	3137.315857	-0.679621064	0.667810171	-1.017686003	0.308827201	0.999371363	Not Sig
ENSG00000168237	GLYCK	glycerate kinase	132158	233.5729174	-0.67938128	0.462819684	-1.467917858	0.142126537	0.999371363	Not Sig

ENSG00000167637	ZNF283	zinc finger protein 283	284349	246.4718025	-0.67929593	0.508508256	-1.33586018	0.181594979	0.999371363	Not Sig
ENSG00000186105	LRRC70	leucine rich repeat containing 70	100130733	20.93213452	-0.679071825	1.129511285	-0.601208535	0.5477011	0.999371363	Not Sig
ENSG00000261513	NA	NA	NA	2.937038022	-0.678569152	1.520485586	-0.446284502	0.65539175	NA	NA
ENSG00000143367	TUFT1	tuftelin 1	7286	756.3343195	-0.678171673	0.676494703	-1.002478911	0.316112347	0.999371363	Not Sig
ENSG00000213058	NA	NA	NA	15.95353158	-0.678009827	1.064890649	-0.63669432	0.524323974	0.999371363	Not Sig
ENSG00000204475	NCR3	natural cytotoxicity triggering receptor 3	259197	13.95251705	-0.677991688	1.295464922	-0.523357813	0.600725276	0.999371363	Not Sig
ENSG00000180376	CCDC66	coiled-coil domain containing 66	285331	685.4524754	-0.677727695	0.631701038	-1.072861455	0.283333283	0.999371363	Not Sig
ENSG00000251002	NA	NA	NA	6.709637165	-0.677677391	1.136204779	-0.596439484	0.55088167	0.999371363	Not Sig
ENSG00000198496	NBR2	neighbor of BRCA1 gene 2 (non-protein coding)	10230	162.3670782	-0.677603791	0.499070511	-1.357731576	0.174548874	0.999371363	Not Sig
ENSG00000267139	NA	NA	NA	6.991321942	-0.677550591	1.781052136	-0.380421537	0.70363253	0.999371363	Not Sig
ENSG00000182372	CLN8	CLN8, transmembrane ER and ERGIC protein	2055	787.9084204	-0.677326607	0.559002085	-1.211670986	0.22563835	0.999371363	Not Sig
ENSG00000261094	NA	NA	NA	37.61549278	-0.677304826	0.611674209	-1.10729669	0.268165675	0.999371363	Not Sig
ENSG00000261131	NA	NA	NA	6.879027236	-0.677280799	0.972041523	-0.69676118	0.485952264	0.999371363	Not Sig
ENSG00000177721	ANXA2R	annexin A2 receptor	389289	81.99388033	-0.676355686	0.49936907	-1.354420463	0.175602273	0.999371363	Not Sig
ENSG00000270802	NA	NA	NA	4.760739256	-0.675872968	1.22637853	-0.551112851	0.581556316	NA	NA
ENSG00000120093	HOXB3	homeobox B3	3213	397.662121	-0.675762357	0.506247514	-1.334845778	0.181926827	0.999371363	Not Sig
ENSG00000231595	NA	NA	NA	12.5571612	-0.675694533	0.900269196	-0.750547209	0.452925202	0.999371363	Not Sig
ENSG00000128585	MKLN1	muskelin 1	4289	3455.222821	-0.675612221	0.597182036	-1.131333798	0.257914624	0.999371363	Not Sig
ENSG00000256588	NA	NA	NA	17.85505529	-0.675496543	1.016599745	-0.664466567	0.50639174	0.999371363	Not Sig
ENSG00000196865	NHLRC2	NHL repeat containing 2	374354	1550.382034	-0.675369435	0.578837257	-1.166769117	0.243303622	0.999371363	Not Sig
ENSG00000269944	NA	NA	NA	2.39024703	-0.675305634	1.587477259	-0.42539547	0.670548408	NA	NA
ENSG00000266017	MIR4477B	microRNA 4477b	100616194	20.12636984	-0.675062721	0.682186789	-0.989557013	0.32239069	0.999371363	Not Sig
ENSG00000223461	NA	NA	NA	1.298702409	-0.675027109	2.383006175	-0.283267042	0.77697214	NA	NA
ENSG00000267379	NA	NA	NA	1.298702409	-0.675027109	2.383006175	-0.283267042	0.77697214	NA	NA
ENSG00000182484	NA	NA	NA	48.35485661	-0.67502645	0.619137366	-1.09026928	0.275594543	0.999371363	Not Sig
ENSG00000114026	OGG1	8-oxoguanine DNA glycosylase	4968	391.0589956	-0.674950697	0.540987665	-1.247626776	0.212167768	0.999371363	Not Sig
ENSG00000117318	ID3	inhibitor of DNA binding 3, HLH protein	3399	1437.293343	-0.674368301	0.67927885	-0.992770939	0.320821595	0.999371363	Not Sig
ENSG00000113580	NR3C1	nuclear receptor subfamily 3 group C member 1	2908	3914.757267	-0.673930452	0.544437553	-1.23784711	0.215772756	0.999371363	Not Sig
ENSG00000268581	NA	NA	NA	3.559794789	-0.673674313	1.741847116	-0.386758578	0.698934946	NA	NA
ENSG00000205583	NA	NA	NA	114.4861246	-0.673564306	0.46184566	-1.458418611	0.144725194	0.999371363	Not Sig
ENSG00000233010	NA	NA	NA	7.908898555	-0.673339918	1.192970789	-0.564422804	0.572466423	0.999371363	Not Sig
ENSG00000259751	NA	NA	NA	5.744561723	-0.673185299	1.319191888	-0.510301272	0.609840412	NA	NA
ENSG00000247728	NA	NA	NA	35.1041663	-0.673141899	0.701873405	-0.959064546	0.33752623	0.999371363	Not Sig
ENSG00000158805	ZNF276	zinc finger protein 276	92822	1072.624982	-0.673055477	0.52990821	-1.270135969	0.204036201	0.999371363	Not Sig
ENSG00000267248	NA	NA	NA	32.27633381	-0.672130458	0.702874837	-0.956259099	0.338941349	0.999371363	Not Sig

ENSG00000186197	EDARADD	EDAR associated death domain	128178	85.68108709	-0.672058343	0.817294436	-0.822296486	0.410908176	0.999371363	Not Sig
ENSG00000226752	CUTALP	cutA divalent cation tolerance homolog-like, pseudogene	253039	902.1405241	-0.671825082	0.412881705	-1.627161181	0.10370287	0.999371363	Not Sig
ENSG00000175470	PPP2R2D	protein phosphatase 2 regulatory subunit Bdelta	55844	751.3421234	-0.671821685	0.418524253	-1.605215659	0.108446353	0.999371363	Not Sig
ENSG00000244502	HDAC11-AS1	HDAC11 antisense RNA 1	100874101	4.841570446	-0.671730815	1.171954579	-0.573171373	0.566528665	NA	NA
ENSG00000177119	ANO6	anoctamin 6	196527	2882.247637	-0.670819255	0.515741328	-1.300689355	0.193364808	0.999371363	Not Sig
ENSG00000181444	ZNF467	zinc finger protein 467	168544	409.6655577	-0.670421187	0.871568792	-0.769212015	0.441767459	0.999371363	Not Sig
ENSG00000238766	NA	NA	NA	3.339580022	-0.670359904	1.362723799	-0.491926467	0.622771327	NA	NA
ENSG00000070031	SCT	secretin	6343	5.100217742	-0.670339252	1.536308281	-0.436331211	0.66259644	NA	NA
ENSG00000269918	NA	NA	NA	32.19726952	-0.670334848	0.947729693	-0.707305947	0.47937637	0.999371363	Not Sig
ENSG00000197008	ZNF138	zinc finger protein 138	7697	369.2268237	-0.670294014	0.831496418	-0.806129768	0.420168029	0.999371363	Not Sig
ENSG00000106366	SERPINE1	serpin family E member 1	5054	1584.906981	-0.670184164	0.729701118	-0.918436531	0.358390373	0.999371363	Not Sig
ENSG00000269871	NA	NA	NA	13.06897886	-0.669893455	0.89041549	-0.752338052	0.45184779	0.999371363	Not Sig
ENSG00000234329	NA	NA	NA	116.9589942	-0.669707095	0.706864443	-0.947434768	0.343417282	0.999371363	Not Sig
ENSG00000261291	NA	NA	NA	19.5814455	-0.669576808	0.867345867	-0.771983627	0.440124125	0.999371363	Not Sig
ENSG00000107331	ABCA2	ATP binding cassette subfamily A member 2	20	1841.192195	-0.669539939	0.520012304	-1.287546342	0.197903928	0.999371363	Not Sig
ENSG00000165650	PDZD8	PDZ domain containing 8	118987	1738.030903	-0.669530189	0.526729134	-1.271109088	0.203689843	0.999371363	Not Sig
ENSG00000163945	UVSSA	UV stimulated scaffold protein A	57654	992.962385	-0.669435137	0.472904847	-1.415581043	0.156898205	0.999371363	Not Sig
ENSG00000163945	CRIPAK	cysteine rich PAK1 inhibitor	285464	992.962385	-0.669435137	0.472904847	-1.415581043	0.156898205	0.999371363	Not Sig
ENSG00000269837	NA	NA	NA	127.77026	-0.66926169	0.490992474	-1.363079326	0.172857512	0.999371363	Not Sig
ENSG00000225720	NA	NA	NA	3.387952347	-0.668757544	1.609552529	-0.415492835	0.677781159	NA	NA
ENSG00000207991	MIR601	microRNA 601	693186	6.656676006	-0.668317803	1.152531318	-0.579869538	0.562002599	0.999371363	Not Sig
ENSG00000125650	PSPN	persephin	5623	46.54508639	-0.66821997	0.6796373	-0.983200847	0.325508598	0.999371363	Not Sig
ENSG00000255837	TAS2R20	taste 2 receptor member 20	259295	56.17638867	-0.668073351	0.935653265	-0.714018084	0.475215997	0.999371363	Not Sig
ENSG00000205565	NA	NA	NA	12.65792359	-0.667926364	1.061038763	-0.629502321	0.52902025	0.999371363	Not Sig
ENSG00000153107	ANAPC1	anaphase promoting complex subunit 1	64682	1265.398328	-0.66791309	0.588703921	-1.134548398	0.256564584	0.999371363	Not Sig
ENSG00000105819	PMPCB	peptidase, mitochondrial processing beta subunit	9512	730.9706697	-0.66787324	0.518636073	-1.2877493	0.197833246	0.999371363	Not Sig
ENSG00000238812	NA	NA	NA	4.466179699	-0.666767814	1.52354734	-0.437641678	0.661646054	NA	NA
ENSG00000165392	WRN	Werner syndrome RecQ like helicase	7486	633.0142675	-0.666443459	0.539481482	-1.23534075	0.216703714	0.999371363	Not Sig
ENSG00000233654	NA	NA	NA	15.8820989	-0.666157572	0.83536849	-0.797441584	0.425194617	0.999371363	Not Sig
ENSG00000233547	NA	NA	NA	11.43817246	-0.665913292	0.911464574	-0.730597009	0.465025339	0.999371363	Not Sig
ENSG00000266297	MIR744	microRNA 744	100126313	9.283384832	-0.665858045	1.053560173	-0.632007608	0.527381906	0.999371363	Not Sig
ENSG00000196381	ZNF781	zinc finger protein 781	163115	31.81879884	-0.6656235	0.630017389	-1.056516078	0.290732499	0.999371363	Not Sig
ENSG00000104731	KLHDC4	kelch domain containing 4	54758	593.7359528	-0.665521624	0.460991607	-1.443674057	0.148830682	0.999371363	Not Sig
ENSG00000104731	LOC105371397	uncharacterized LOC105371397	105371397	593.7359528	-0.665521624	0.460991607	-1.443674057	0.148830682	0.999371363	Not Sig
ENSG00000232031	NA	NA	NA	31.90678314	-0.665272933	0.884727623	-0.751952257	0.452079771	0.999371363	Not Sig

ENSG00000166398	KIAA0355	KIAA0355	9710	1266.984749	-0.664906951	0.457013106	-1.454896899	0.145697806	0.999371363	Not Sig
ENSG00000187726	DNAJB13	DnaJ heat shock protein family (Hsp40) member B13	374407	244.8761821	-0.664246075	0.814935597	-0.815090269	0.415020642	0.999371363	Not Sig
ENSG00000261641	NA	NA	NA	2.029590954	-0.664029886	1.874722225	-0.354201747	0.723187695	NA	NA
ENSG00000159899	NPR2	natriuretic peptide receptor 2	4882	320.3914113	-0.664029827	0.52270262	-1.270377845	0.203950071	0.999371363	Not Sig
ENSG00000222011	FAM185A	family with sequence similarity 185 member A	222234	180.5677451	-0.663967221	0.522955934	-1.26964277	0.204211907	0.999371363	Not Sig
ENSG00000198646	NCOA6	nuclear receptor coactivator 6	23054	1802.856304	-0.663756064	0.46176152	-1.437443431	0.150592036	0.999371363	Not Sig
ENSG00000134884	ARGLU1	arginine and glutamate rich 1	55082	3089.717645	-0.663690884	0.432112027	-1.53592319	0.12455722	0.999371363	Not Sig
ENSG00000269337	NA	NA	NA	66.03889217	-0.663582846	0.960493058	-0.690877296	0.489642655	0.999371363	Not Sig
ENSG00000216657	NA	NA	NA	0.838333836	-0.663212044	2.759789625	-0.240312536	0.810087977	NA	NA
ENSG00000258666	NA	NA	NA	0.838333836	-0.663212044	2.759789625	-0.240312536	0.810087977	NA	NA
ENSG00000260939	NA	NA	NA	0.838333836	-0.663212044	2.759789625	-0.240312536	0.810087977	NA	NA
ENSG00000163072	NOSTRIN	nitric oxide synthase trafficking	115677	797.6072772	-0.66319893	0.641951778	-1.033097739	0.301558161	0.999371363	Not Sig
ENSG00000221886	ZBED8	zinc finger BED-type containing 8	63920	152.4442284	-0.663184657	0.645167904	-1.027925681	0.303984788	0.999371363	Not Sig
ENSG00000138780	GSTCD	glutathione S-transferase C-terminal domain containing	79807	324.8086152	-0.663148605	0.638315928	-1.038903427	0.298849652	0.999371363	Not Sig
ENSG00000236233	NA	NA	NA	2.293369338	-0.663124733	2.143928165	-0.309303615	0.757090581	NA	NA
ENSG00000170873	MTSS1	MTSS1, I-BAR domain containing	9788	1612.569885	-0.663010537	0.778277538	-0.851894735	0.394272519	0.999371363	Not Sig
ENSG00000219438	FAM19A5	family with sequence similarity 19 member A5, C-C motif chemokine like	25817	117.023342	-0.662913251	0.505375122	-1.311725138	0.189612892	0.999371363	Not Sig
ENSG00000258068	NA	NA	NA	3.524557825	-0.662888395	1.416407585	-0.46800681	0.63977972	NA	NA
ENSG00000171448	ZBTB26	zinc finger and BTB domain containing 26	57684	246.1381056	-0.662344704	0.546085689	-1.212895188	0.225169896	0.999371363	Not Sig
ENSG00000153002	CPB1	carboxypeptidase B1	1360	3.734394331	-0.661835395	1.897759109	-0.348745735	0.727280206	NA	NA
ENSG00000257298	NA	NA	NA	75.16422861	-0.661788248	0.555469787	-1.191402779	0.233495502	0.999371363	Not Sig
ENSG00000197114	ZGPAT	zinc finger CCH-type and G-patch domain containing	84619	180.1829786	-0.661713615	0.468263223	-1.413123179	0.157619509	0.999371363	Not Sig
ENSG00000111596	CNOT2	CCR4-NOT transcription complex subunit 2	4848	1939.38377	-0.661442325	0.642362782	-1.029702131	0.303149855	0.999371363	Not Sig
ENSG00000264237	NA	NA	NA	3.497379383	-0.660863205	1.326248479	-0.498295165	0.618276015	NA	NA
ENSG00000272589	ZSWIM8-AS1	ZSWIM8 antisense RNA 1	100507331	1.705849535	-0.660541597	1.921749596	-0.343718869	0.73105772	NA	NA
ENSG00000273398	NA	NA	NA	1.705849535	-0.660541597	1.921749596	-0.343718869	0.73105772	NA	NA
ENSG00000081913	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1	23239	795.8275459	-0.660129906	0.433493827	-1.522812703	0.127805571	0.999371363	Not Sig
ENSG00000103723	AP3B2	adaptor related protein complex 3 beta 2 subunit	8120	28.48815326	-0.659906338	1.09457762	-0.602886745	0.546584035	0.999371363	Not Sig
ENSG00000109805	NCAPG	non-SMC condensin I complex subunit G	64151	170.6569017	-0.659700973	1.048315842	-0.629296006	0.529155285	0.999371363	Not Sig
ENSG00000164620	RELL2	RELT like 2	285613	80.42633327	-0.659375033	0.834398351	-0.790240096	0.429387564	0.999371363	Not Sig
ENSG00000173273	TNKS	tankyrase	8658	1995.274674	-0.659047304	0.515847983	-1.277599845	0.201390555	0.999371363	Not Sig
ENSG00000178950	GAK	cyclin G associated kinase	2580	3279.457672	-0.658950993	0.397282531	-1.65864578	0.097187191	0.999371363	Not Sig
ENSG00000270577	NA	NA	NA	0.767803201	-0.658332348	3.252679256	-0.202396946	0.839606416	NA	NA
ENSG00000155508	CNOT8	CCR4-NOT transcription complex subunit 8	9337	1478.41396	-0.658201831	0.56829757	-1.15819927	0.246782726	0.999371363	Not Sig
ENSG00000205090	TMEM240	transmembrane protein 240	339453	33.18067251	-0.658004093	0.801843185	-0.820614436	0.411865922	0.999371363	Not Sig

ENSG00000111707	SUDS3	SDS3 homolog, SIN3A corepressor complex component	64426	1638.042002	-0.6578758	0.465630007	-1.412872429	0.157693237	0.999371363	Not Sig
ENSG00000178972	NA	NA	NA	5.096663877	-0.656983223	1.297028599	-0.506529481	0.612484999	NA	NA
ENSG00000260461	NA	NA	NA	133.0594918	-0.656724788	0.615083561	-1.067700114	0.285655807	0.999371363	Not Sig
ENSG00000227921	NA	NA	NA	7.996560202	-0.656488849	1.262177462	-0.520124047	0.602977119	0.999371363	Not Sig
ENSG00000266203	MIR5585	microRNA 5585	100847018	4.377184135	-0.656391028	1.532760204	-0.428241173	0.668475543	NA	NA
ENSG00000164815	ORC5	origin recognition complex subunit 5	5001	317.7910133	-0.655950028	0.603298926	-1.087271997	0.276916621	0.999371363	Not Sig
ENSG00000213471	TTL13P	tubulin tyrosine ligase like 13, pseudogene	440307	1.990954843	-0.655849522	1.596036067	-0.410923998	0.681128265	NA	NA
ENSG00000199961	SNORD1B	small nucleolar RNA, C/D box 1B	677849	3.630707858	-0.655642953	1.379007596	-0.475445498	0.634469472	NA	NA
ENSG00000167767	KRT80	keratin 80	144501	620.815123	-0.655234354	0.898014562	-0.729647805	0.465605493	0.999371363	Not Sig
ENSG00000157014	TATDN2	TatD DNase domain containing 2	9797	489.5388544	-0.655224273	0.464803005	-1.409681664	0.158633701	0.999371363	Not Sig
ENSG00000268225	NA	NA	NA	28.54840696	-0.65506549	0.747870932	-0.875907141	0.381080517	0.999371363	Not Sig
ENSG00000229431	NA	NA	NA	1.601116904	-0.65493024	2.341083001	-0.279755241	0.779665293	NA	NA
ENSG00000232485	NA	NA	NA	13.96772122	-0.65492258	0.824083008	-0.794728897	0.426771219	0.999371363	Not Sig
ENSG00000200674	NA	NA	NA	3.519708702	-0.654546183	1.465488617	-0.446640237	0.655134839	NA	NA
ENSG00000256274	NA	NA	NA	80.21922732	-0.654207982	1.012369094	-0.646214889	0.518140198	0.999371363	Not Sig
ENSG00000264864	MIR3613	microRNA 3613	100500908	13.97082518	-0.653907149	0.992838856	-0.658623647	0.510137474	0.999371363	Not Sig
ENSG00000201096	NA	NA	NA	2.328606302	-0.653434723	2.439763467	-0.267827079	0.788832426	NA	NA
ENSG00000187848	P2RX2	purinergic receptor P2X 2	22953	16.10700699	-0.653426969	1.378028605	-0.474175185	0.635374987	0.999371363	Not Sig
ENSG00000151553	FAM160B1	family with sequence similarity 160 member B1	57700	1160.261788	-0.653261585	0.54051833	-1.208583594	0.226822863	0.999371363	Not Sig
ENSG00000116750	UCHL5	ubiquitin C-terminal hydrolase L5	51377	917.0975699	-0.653151129	0.680900284	-0.959246375	0.337434643	0.999371363	Not Sig
ENSG00000178209	PLEC	plectin	5339	33131.18754	-0.653051866	0.61006876	-1.070456167	0.284414029	0.999371363	Not Sig
ENSG00000266594	MIR4766	microRNA 4766	100616283	5.021085919	-0.652897575	1.301973421	-0.501467667	0.616042027	NA	NA
ENSG00000138162	TACC2	transforming acidic coiled-coil containing protein 2	10579	4190.238869	-0.652752029	0.56011753	-1.165384038	0.243863575	0.999371363	Not Sig
ENSG00000198133	TMEM229B	transmembrane protein 229B	161145	209.4325512	-0.652671624	0.908530496	-0.718381636	0.472522007	0.999371363	Not Sig
ENSG00000272543	MIR4787	microRNA 4787	100616138	6.175737536	-0.652534115	1.197271353	-0.54501773	0.585741323	NA	NA
ENSG00000269175	NA	NA	NA	9.939491493	-0.65243181	0.887241317	-0.735348768	0.462127114	0.999371363	Not Sig
ENSG00000130270	ATP8B3	ATPase phospholipid transporting 8B3	148229	91.93127953	-0.6520261	0.863518821	-0.755080358	0.450200768	0.999371363	Not Sig
ENSG00000107731	UNC5B	unc-5 netrin receptor B	219699	1575.542148	-0.652024721	0.609318116	-1.070089176	0.284579171	0.999371363	Not Sig
ENSG00000165480	SKA3	spindle and kinetochore associated complex subunit 3	221150	50.66898568	-0.651928047	1.069688785	-0.609455812	0.542222354	0.999371363	Not Sig
ENSG00000189079	ARID2	AT-rich interaction domain 2	196528	1916.94951	-0.651921819	0.583447111	-1.117362322	0.263839438	0.999371363	Not Sig
ENSG00000121716	PILRB	paired immunoglobulin-like type 2 receptor beta	29990	160.9254049	-0.651727191	0.627827026	-1.038068074	0.299238364	0.999371363	Not Sig
ENSG00000158315	RHBDL2	rhomoid like 2	54933	243.2598069	-0.65160856	0.97439324	-0.668732637	0.503666045	0.999371363	Not Sig
ENSG00000173918	C1QTNF1	C1q and TNF related 1	114897	404.4293451	-0.651403844	0.671776337	-0.969673696	0.332209166	0.999371363	Not Sig
ENSG00000242052	NA	NA	NA	0.938046333	-0.651293644	3.114394853	-0.209123658	0.834351707	NA	NA
ENSG00000263365	NA	NA	NA	0.938046333	-0.651293644	3.114394853	-0.209123658	0.834351707	NA	NA

ENSG00000267230	NA	NA	NA	0.938046333	-0.651293644	3.114394853	-0.209123658	0.834351707	NA	NA
ENSG00000267550	NA	NA	NA	0.938046333	-0.651293644	3.114394853	-0.209123658	0.834351707	NA	NA
ENSG00000232303	NA	NA	NA	20.46966884	-0.650768284	0.655306467	-0.993074717	0.320673544	0.999371363	Not Sig
ENSG00000239282	CASTOR1	cytosolic arginine sensor for mTORC1 subunit 1	652968	22.59895572	-0.650554754	0.715529948	-0.909192907	0.363248307	0.999371363	Not Sig
ENSG00000260572	NA	NA	NA	16.12870239	-0.650453978	0.753259753	-0.863518826	0.387852273	0.999371363	Not Sig
ENSG00000147027	TMEM47	transmembrane protein 47	83604	531.134511	-0.650337792	0.606325859	-1.07258792	0.283456047	0.999371363	Not Sig
ENSG00000184916	JAG2	jagged 2	3714	988.9604593	-0.650210353	0.729486238	-0.891326415	0.372754082	0.999371363	Not Sig
ENSG00000254004	ZNF260	zinc finger protein 260	339324	656.3331574	-0.65014087	0.710920822	-0.914505315	0.360451386	0.999371363	Not Sig
ENSG00000244921	NA	NA	NA	4.235558523	-0.650015107	1.260979212	-0.515484396	0.606214571	NA	NA
ENSG00000225111	NA	NA	NA	20.81307367	-0.649243474	0.907344515	-0.715542403	0.474273949	0.999371363	Not Sig
ENSG00000135249	RINT1	RAD50 interactor 1	60561	522.163343	-0.648738122	0.622243732	-1.042578798	0.297143413	0.999371363	Not Sig
ENSG00000259994	NA	NA	NA	25.9808542	-0.648335283	0.658535275	-0.984511093	0.32486428	0.999371363	Not Sig
ENSG00000232912	NA	NA	NA	8.766522911	-0.648331299	0.877130737	-0.739150131	0.459815839	0.999371363	Not Sig
ENSG00000120963	ZNF706	zinc finger protein 706	51123	857.2904214	-0.648166498	0.524661626	-1.235399094	0.21668201	0.999371363	Not Sig
ENSG00000169607	CKAP2L	cytoskeleton associated protein 2 like	150468	106.969025	-0.648154139	1.110004456	-0.583920304	0.559273932	0.999371363	Not Sig
ENSG00000182700	IGIP	IgA inducing protein	492311	369.1863037	-0.647986543	0.41674332	-1.554881657	0.119974257	0.999371363	Not Sig
ENSG00000251748	NA	NA	NA	12.30622627	-0.647972985	0.886295106	-0.731102971	0.46471626	0.999371363	Not Sig
ENSG00000270696	NA	NA	NA	193.8270854	-0.647950149	0.648547798	-0.999078481	0.317756675	0.999371363	Not Sig
ENSG00000112378	PERP	PERP, TP53 apoptosis effector	64065	2596.573393	-0.647862772	0.769492548	-0.841935083	0.399824292	0.999371363	Not Sig
ENSG00000148672	GLUD1	glutamate dehydrogenase 1	2746	2710.565513	-0.647619462	0.418471355	-1.547583733	0.12172255	0.999371363	Not Sig
ENSG00000261537	NA	NA	NA	12.85685309	-0.647526712	0.919791792	-0.703992705	0.481437316	0.999371363	Not Sig
ENSG00000156802	ATAD2	ATPase family, AAA domain containing 2	29028	1222.971406	-0.647451026	0.775377023	-0.835014461	0.403709567	0.999371363	Not Sig
ENSG00000255369	NA	NA	NA	1.282395618	-0.64736048	2.441593056	-0.265138565	0.790902719	NA	NA
ENSG00000254363	LOC101929719	uncharacterized LOC101929719	101929719	143.2273958	-0.646864019	0.653541215	-0.989783053	0.32228017	0.999371363	Not Sig
ENSG00000270120	NA	NA	NA	10.74521175	-0.646727287	0.854415743	-0.756923421	0.449095743	0.999371363	Not Sig
ENSG00000196470	SIAH1	siah E3 ubiquitin protein ligase 1	6477	531.7705195	-0.646625908	0.474176634	-1.363681508	0.172667826	0.999371363	Not Sig
ENSG00000268475	NA	NA	NA	11.20127386	-0.646566751	1.016842256	-0.635857477	0.524869321	0.999371363	Not Sig
ENSG00000267680	ZNF224	zinc finger protein 224	7767	578.2720025	-0.646379324	0.396663797	-1.629539496	0.103198861	0.999371363	Not Sig
ENSG00000167522	ANKRD11	ankyrin repeat domain 11	29123	4548.809825	-0.646082225	0.419301027	-1.540855335	0.123351999	0.999371363	Not Sig
ENSG00000138160	KIF11	kinesin family member 11	3832	341.4717661	-0.645747319	1.024702224	-0.63018046	0.528576522	0.999371363	Not Sig
ENSG00000233602	ERI3-IT1	ERI3 intronic transcript 1	100874278	39.28267856	-0.645663298	0.654992697	-0.985756483	0.324252625	0.999371363	Not Sig
ENSG00000269514	NA	NA	NA	94.89780124	-0.645215806	0.622631006	-1.036273169	0.30007472	0.999371363	Not Sig
ENSG00000107863	ARHGAP21	Rho GTPase activating protein 21	57584	2710.835509	-0.644917908	0.445740828	-1.446845044	0.147940328	0.999371363	Not Sig
ENSG00000125534	PPDPF	pancreatic progenitor cell differentiation and proliferation factor	79144	2693.523302	-0.644579562	0.43844767	-1.47014024	0.141523776	0.999371363	Not Sig
ENSG00000256383	NA	NA	NA	60.81624986	-0.644319291	0.593955068	-1.084794668	0.278012608	0.999371363	Not Sig

ENSG00000144744	UBA3	ubiquitin like modifier activating enzyme 3	9039	971.5828587	-0.64398681	0.694045752	-0.927873715	0.353473081	0.999371363	Not Sig
ENSG00000064313	TAF2	TATA-box binding protein associated factor 2	6873	1073.764896	-0.643937775	0.591955546	-1.087814414	0.276677045	0.999371363	Not Sig
ENSG00000237149	ZNF503-AS2	ZNF503 antisense RNA 2	100131213	84.62582595	-0.643242719	0.524991811	-1.225243337	0.220483551	0.999371363	Not Sig
ENSG00000266139	MIR4435-2	microRNA 4435-2	100616341	10.81640168	-0.642961675	1.09595268	-0.586669194	0.557425902	0.999371363	Not Sig
ENSG00000060339	CCAR1	cell division cycle and apoptosis regulator 1	55749	1933.31181	-0.642899711	0.595811758	-1.079031594	0.280573644	0.999371363	Not Sig
ENSG00000184825	NA	NA	NA	307.7676796	-0.642898193	0.839087046	-0.766187723	0.443564612	0.999371363	Not Sig
ENSG00000175061	LRRC75A-AS1	LRRC75A antisense RNA 1	125144	2804.927416	-0.642871354	0.497447482	-1.292340151	0.196239373	0.999371363	Not Sig
ENSG00000151090	THRB	thyroid hormone receptor beta	7068	456.909036	-0.642671699	0.674310197	-0.953080202	0.340549436	0.999371363	Not Sig
ENSG00000137831	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats	55075	1924.289439	-0.642662676	0.407614799	-1.576642159	0.114877886	0.999371363	Not Sig
ENSG00000229956	ZRANB2-AS2	ZRANB2 antisense RNA 2 (head to head)	100852410	55.09792997	-0.642570639	0.93901205	-0.684304998	0.493782592	0.999371363	Not Sig
ENSG00000207789	MIR26A2	microRNA 26a-2	407016	10.31286792	-0.642352144	0.885412804	-0.725483233	0.468155628	0.999371363	Not Sig
ENSG00000252768	NA	NA	NA	6.856528156	-0.642109287	1.505224056	-0.426587181	0.669680036	0.999371363	Not Sig
ENSG00000253816	NA	NA	NA	157.1964391	-0.642080067	0.487337334	-1.317526942	0.187662056	0.999371363	Not Sig
ENSG00000232270	NA	NA	NA	2.69566734	-0.642041494	2.373383138	-0.270517425	0.786762214	NA	NA
ENSG00000110025	SNX15	sorting nexin 15	29907	33.66152187	-0.641904024	0.73050683	-0.878710502	0.379558263	0.999371363	Not Sig
ENSG00000136149	NA	NA	NA	30.77562417	-0.641890057	0.760526463	-0.844007525	0.398665201	0.999371363	Not Sig
ENSG00000260196	NA	NA	NA	11.45450632	-0.641721459	1.071923996	-0.598663209	0.549397496	0.999371363	Not Sig
ENSG00000263766	NA	NA	NA	19.76904293	-0.641566891	0.68897257	-0.931193663	0.351753395	0.999371363	Not Sig
ENSG00000231074	NA	NA	NA	1763.604667	-0.641491399	0.588609555	-1.089841973	0.275782761	0.999371363	Not Sig
ENSG00000241597	NA	NA	NA	5.502211692	-0.641276913	1.194861421	-0.536695638	0.591477869	NA	NA
ENSG00000251692	PTX4	pentraxin 4	390667	1.589830246	-0.641195969	2.04288097	-0.313868492	0.753620922	NA	NA
ENSG00000187999	NA	NA	NA	0.844771371	-0.640929541	2.755891645	-0.232567032	0.81609763	NA	NA
ENSG00000263645	NA	NA	NA	0.844771371	-0.640929541	2.755891645	-0.232567032	0.81609763	NA	NA
ENSG00000165092	ALDH1A1	aldehyde dehydrogenase 1 family member A1	216	3349.430643	-0.64073367	0.814241371	-0.786908764	0.431335277	0.999371363	Not Sig
ENSG00000180344	NA	NA	NA	6.902325966	-0.640314497	0.985104321	-0.649996638	0.515694393	0.999371363	Not Sig
ENSG00000265904	NA	NA	NA	6.800582858	-0.640293113	1.710067442	-0.37442565	0.708087663	0.999371363	Not Sig
ENSG00000105514	RAB3D	RAB3D, member RAS oncogene family	9545	1191.219368	-0.640165805	0.475285074	-1.34690913	0.178009501	0.999371363	Not Sig
ENSG00000196357	ZNF565	zinc finger protein 565	147929	92.15852426	-0.639789887	0.522852212	-1.2236534	0.221083006	0.999371363	Not Sig
ENSG00000229754	NA	NA	NA	42.00108645	-0.639702725	1.270575452	-0.503474803	0.614630491	0.999371363	Not Sig
ENSG00000188580	NKAIN2	sodium/potassium transporting ATPase interacting 2	154215	4.774898687	-0.639674845	1.443764492	-0.44306038	0.657722062	NA	NA
ENSG00000272474	SNORD113-5	small nucleolar RNA, C/D box 113-5	767565	1.853608629	-0.639524029	2.577852195	-0.248084056	0.804069371	NA	NA
ENSG00000119782	FKBP1B	FK506 binding protein 1B	2281	32.64376034	-0.639498603	0.759767661	-0.841702846	0.399954305	0.999371363	Not Sig
ENSG00000127993	RBM48	RNA binding motif protein 48	84060	242.8686505	-0.639431814	0.519087701	-1.231837727	0.218009707	0.999371363	Not Sig
ENSG00000241400	NA	NA	NA	3.666023204	-0.639354036	1.372362541	-0.465878379	0.641302558	NA	NA
ENSG00000175322	ZNF519	zinc finger protein 519	162655	114.8340712	-0.63933468	0.640035302	-0.998905339	0.31784055	0.999371363	Not Sig

ENSG00000199266	SNORA60	small nucleolar RNA, H/ACA box 60	677837	10.84216782	-0.639119772	0.829084896	-0.770873737	0.440781775	0.999371363	Not Sig
ENSG00000099219	ERMP1	endoplasmic reticulum metalloproteinase 1	79956	843.6485533	-0.638816965	0.469808102	-1.359740204	0.173912151	0.999371363	Not Sig
ENSG00000101577	LPIN2	lipin 2	9663	4511.026659	-0.638783051	0.597682566	-1.068766412	0.285174938	0.999371363	Not Sig
ENSG00000196544	BORCS6	BLOC-1 related complex subunit 6	54785	276.746096	-0.63876792	0.746611274	-0.855556221	0.392243294	0.999371363	Not Sig
ENSG00000197142	ACSL5	acyl-CoA synthetase long chain family member 5	51703	3116.830327	-0.63870232	0.596840358	-1.070139295	0.284556614	0.999371363	Not Sig
ENSG00000200181	NA	NA	NA	11.04216391	-0.638594219	1.011271475	-0.631476546	0.52772898	0.999371363	Not Sig
ENSG00000180834	MAP6D1	MAP6 domain containing 1	79929	34.12239432	-0.638554576	0.619468427	-1.030810528	0.30262968	0.999371363	Not Sig
ENSG00000188283	ZNF383	zinc finger protein 383	163087	176.3571604	-0.638336784	0.431794067	-1.478336163	0.139317823	0.999371363	Not Sig
ENSG00000173064	HECTD4	HECT domain E3 ubiquitin protein ligase 4	283450	4136.560673	-0.638140724	0.430918254	-1.4808858	0.138637008	0.999371363	Not Sig
ENSG00000231194	NA	NA	NA	2.980208306	-0.637980158	1.447814147	-0.44065059	0.659465972	NA	NA
ENSG00000232102	NA	NA	NA	3.566310707	-0.637936684	1.325158407	-0.481404095	0.630229326	NA	NA
ENSG00000150051	MKX	mohawk homeobox	283078	26.95332279	-0.63786096	1.006313624	-0.633859013	0.526172837	0.999371363	Not Sig
ENSG00000253208	NA	NA	NA	10.11353788	-0.637756123	0.997943728	-0.639070225	0.522777249	0.999371363	Not Sig
ENSG00000260316	NA	NA	NA	13.85588115	-0.637755713	0.822672949	-0.775223877	0.438207381	0.999371363	Not Sig
ENSG00000200502	NA	NA	NA	27.86255092	-0.63759837	0.812307267	-0.784922647	0.432498923	0.999371363	Not Sig
ENSG00000268175	NA	NA	NA	9.036323823	-0.637372249	0.897675146	-0.710025505	0.47768832	0.999371363	Not Sig
ENSG00000177570	SAMD12	sterile alpha motif domain containing 12	401474	1434.271713	-0.637351253	0.693826001	-0.918603874	0.358302805	0.999371363	Not Sig
ENSG00000215223	NA	NA	NA	29.12591908	-0.637290759	0.660456224	-0.964925056	0.334582351	0.999371363	Not Sig
ENSG00000266258	LINC01909	long intergenic non-protein coding RNA 1909	101927481	12.12528387	-0.637193011	0.873859319	-0.729171157	0.465896972	0.999371363	Not Sig
ENSG00000265706	SNORD53B	small nucleolar RNA, C/D box 53B	109617012	12.65365975	-0.636886744	1.008556862	-0.631483229	0.527724611	0.999371363	Not Sig
ENSG00000105357	MYH14	myosin heavy chain 14	79784	6045.487189	-0.636577642	0.540221115	-1.178364976	0.238651134	0.999371363	Not Sig
ENSG00000204217	BMPR2	bone morphogenetic protein receptor type 2	659	5541.533209	-0.636469645	0.503236361	-1.264752897	0.205959921	0.999371363	Not Sig
ENSG00000251928	NA	NA	NA	9.933537819	-0.636466569	1.330820415	-0.478251281	0.632471367	0.999371363	Not Sig
ENSG00000119457	SLC46A2	solute carrier family 46 member 2	57864	361.9268239	-0.636201584	1.202598619	-0.52902238	0.596789925	0.999371363	Not Sig
ENSG00000236928	NA	NA	NA	16.70575187	-0.635861086	0.943071992	-0.674244481	0.500155895	0.999371363	Not Sig
ENSG00000261736	NA	NA	NA	14.07218913	-0.635689414	0.78620987	-0.808549267	0.418774457	0.999371363	Not Sig
ENSG00000232442	MHENCRC	melanoma highly expressed competing endogenous lncRNA for miR-425 and miR-489	100505771	86.58389961	-0.635628745	0.536213167	-1.185403091	0.23585811	0.999371363	Not Sig
ENSG00000117625	RCOR3	REST corepressor 3	55758	1454.610363	-0.635419695	0.597735115	-1.063045618	0.287761264	0.999371363	Not Sig
ENSG00000266237	NA	NA	NA	2.0649063	-0.634660437	1.863046776	-0.340657275	0.733361607	NA	NA
ENSG00000224031	NA	NA	NA	10.61767502	-0.634363898	1.024538152	-0.619170595	0.535803981	0.999371363	Not Sig
ENSG00000271461	NA	NA	NA	2.151328719	-0.634144586	1.682752874	-0.376849504	0.70628545	NA	NA
ENSG00000145782	ATG12	autophagy related 12	9140	876.1965633	-0.634024255	0.63083659	-1.005053076	0.314871293	0.999371363	Not Sig
ENSG00000271105	NA	NA	NA	12.40561706	-0.633703873	0.899455681	-0.70454152	0.481095603	0.999371363	Not Sig
ENSG00000240311	NA	NA	NA	2.571228771	-0.633696888	1.828532769	-0.346560312	0.728921666	NA	NA
ENSG00000238386	NA	NA	NA	7.919034734	-0.63356036	1.717839484	-0.368812317	0.712267623	0.999371363	Not Sig

ENSG00000175115	PACS1	phosphofurin acidic cluster sorting protein 1	55690	2578.597033	-0.633330919	0.416999083	-1.51878252	0.128817247	0.999371363	Not Sig
ENSG00000243015	NA	NA	NA	39.84435787	-0.633283166	0.576593737	-1.098317802	0.272065741	0.999371363	Not Sig
ENSG00000258344	NA	NA	NA	4.061883671	-0.632863233	1.280527227	-0.494220833	0.621150228	NA	NA
ENSG00000254634	SMG1P6	SMG1 pseudogene 6	100422558	66.20840594	-0.632459602	0.694449309	-0.910735448	0.362434782	0.999371363	Not Sig
ENSG00000228507	NA	NA	NA	1.981085587	-0.632231394	1.630024899	-0.387866096	0.698115129	NA	NA
ENSG00000211799	NA	NA	NA	11.07682978	-0.632166429	1.067118264	-0.592405219	0.553579273	0.999371363	Not Sig
ENSG00000256552	NA	NA	NA	1.288833153	-0.632140001	2.440289584	-0.259043027	0.795602042	NA	NA
ENSG00000214273	NA	NA	NA	6.791277944	-0.632042794	1.126543785	-0.56104592	0.574766233	0.999371363	Not Sig
ENSG00000139330	KERA	keratocan	11081	1.551194134	-0.631916765	2.265951079	-0.278874849	0.780340871	NA	NA
ENSG00000256087	ZNF432	zinc finger protein 432	9668	416.3200271	-0.631904878	0.498273402	-1.26818906	0.204730443	0.999371363	Not Sig
ENSG00000250608	LOC339874	uncharacterized LOC339874	339874	107.4291294	-0.631329027	0.761531668	-0.82902531	0.407090086	0.999371363	Not Sig
ENSG00000262381	NA	NA	NA	1.306557347	-0.631209086	2.462546241	-0.25632375	0.79770086	NA	NA
ENSG00000105989	WNT2	Wnt family member 2	7472	241.1862863	-0.631137227	0.690483136	-0.914051617	0.360689724	0.999371363	Not Sig
ENSG00000114796	KLHL24	kelch like family member 24	54800	2459.769017	-0.630977652	0.54863888	-1.150078266	0.250111637	0.999371363	Not Sig
ENSG00000198633	ZNF534	zinc finger protein 534	147658	6.561424694	-0.630716471	1.240126294	-0.508590515	0.611039279	NA	NA
ENSG00000134057	CCNB1	cyclin B1	891	205.1916914	-0.630673086	0.874929401	-0.720827401	0.471015715	0.999371363	Not Sig
ENSG00000106714	CNTNAP3	contactin associated protein like 3	79937	89.54233571	-0.630645771	0.966470018	-0.65252492	0.514062602	0.999371363	Not Sig
ENSG00000128563	PRKRIP1	PRKR interacting protein 1	79706	554.2917537	-0.630265765	0.468305001	-1.345844618	0.178352633	0.999371363	Not Sig
ENSG00000215513	NA	NA	NA	456.7154937	-0.630058785	1.218279466	-0.51717098	0.605036808	0.999371363	Not Sig
ENSG00000198879	SFMBT2	Scm like with four mbt domains 2	57713	745.4958112	-0.629947674	0.608654074	-1.034984732	0.300676042	0.999371363	Not Sig
ENSG00000256667	NA	NA	NA	111.5553162	-0.629904359	0.760846207	-0.827899716	0.407727296	0.999371363	Not Sig
ENSG00000207117	NA	NA	NA	14.44451016	-0.629893246	1.160279046	-0.542880825	0.587211859	0.999371363	Not Sig
ENSG00000204389	HSPA1A	heat shock protein family A (Hsp70) member 1A	3303	1941.663755	-0.629456681	0.543205041	-1.158782842	0.246544713	0.999371363	Not Sig
ENSG00000240729	NA	NA	NA	34.59059559	-0.629319648	0.769055813	-0.81830166	0.413184959	0.999371363	Not Sig
ENSG00000260784	NA	NA	NA	1.537023805	-0.628834122	2.053173576	-0.306274213	0.759395871	NA	NA
ENSG00000239373	NA	NA	NA	56.19834475	-0.62867425	0.853048782	-0.736973387	0.461138534	0.999371363	Not Sig
ENSG00000188388	GOLGA6L3	golgin A6 family-like 3	100133220	3.435141739	-0.628443323	1.672284227	-0.375799348	0.707066072	NA	NA
ENSG00000231703	NA	NA	NA	1.871918841	-0.628238848	2.126641564	-0.295413604	0.767677943	NA	NA
ENSG00000225828	FAM229A	family with sequence similarity 229 member A	100128071	201.1680308	-0.628026812	0.42805481	-1.467164478	0.142331317	0.999371363	Not Sig
ENSG00000263835	NA	NA	NA	1.20684485	-0.627909937	2.182517786	-0.287699803	0.773576541	NA	NA
ENSG00000241494	NA	NA	NA	1.514279478	-0.627781674	2.260684313	-0.277695417	0.781246179	NA	NA
ENSG00000089060	SLC8B1	solute carrier family 8 member B1	80024	1107.531853	-0.627543209	0.57454739	-1.092239249	0.274727955	0.999371363	Not Sig
ENSG00000164976	MYORG	myogenesis regulating glycosidase (putative)	57462	483.3548143	-0.627266822	0.46882072	-1.337967362	0.180907076	0.999371363	Not Sig
ENSG00000115548	KDM3A	lysine demethylase 3A	55818	2151.192853	-0.627124351	0.426390922	-1.470773223	0.141352456	0.999371363	Not Sig
ENSG00000228696	ARL17A	ADP ribosylation factor like GTPase 17A	51326	104.9298494	-0.626829236	0.619398952	-1.011995957	0.311539986	0.999371363	Not Sig

ENSG00000228696	ARL17B	ADP ribosylation factor like GTPase 17B	100506084	104.9298494	-0.626829236	0.619398952	-1.011995957	0.311539986	0.999371363	Not Sig
ENSG00000228696	LOC100996709	ADP-ribosylation factor-like protein 17	100996709	104.9298494	-0.626829236	0.619398952	-1.011995957	0.311539986	0.999371363	Not Sig
ENSG00000227684	NA	NA	NA	3.816970022	-0.626777741	1.335672027	-0.469260214	0.63888365	NA	NA
ENSG00000273221	NA	NA	NA	38.82204945	-0.626052721	0.828981455	-0.755207148	0.4501247	0.999371363	Not Sig
ENSG00000249839	NA	NA	NA	8.715699173	-0.625895239	0.974244542	-0.642441618	0.520586485	0.999371363	Not Sig
ENSG00000258450	NA	NA	NA	6.762527381	-0.625675144	1.260001253	-0.496567081	0.619494372	0.999371363	Not Sig
ENSG00000219665	LOC101928464	uncharacterized LOC101928464	101928464	69.19153495	-0.625670251	0.582041377	-1.074958372	0.282393366	0.999371363	Not Sig
ENSG00000265820	MIR3177	microRNA 3177	100423012	5.904205642	-0.625589705	1.081099121	-0.578660821	0.562818057	NA	NA
ENSG00000187257	RSNB1L	round spermatid basic protein 1 like	222194	1245.116445	-0.625322605	0.524884112	-1.191353653	0.233514779	0.999371363	Not Sig
ENSG00000105499	PLA2G4C	phospholipase A2 group IVC	8605	322.4517073	-0.625295659	0.793060664	-0.7884588	0.430428389	0.999371363	Not Sig
ENSG00000160799	CCDC12	coiled-coil domain containing 12	151903	738.5144398	-0.625185844	0.456597001	-1.369228977	0.170927711	0.999371363	Not Sig
ENSG00000068383	INPP5A	inositol polyphosphate-5-phosphatase A	3632	726.3934202	-0.625134898	0.622728676	-1.003863999	0.315444172	0.999371363	Not Sig
ENSG00000223044	NA	NA	NA	29.83700311	-0.624900064	0.860932677	-0.725840801	0.467936371	0.999371363	Not Sig
ENSG00000087266	SH3BP2	SH3 domain binding protein 2	6452	1990.841694	-0.624774524	0.612624181	-1.019833274	0.307807539	0.999371363	Not Sig
ENSG00000235631	RNF148	ring finger protein 148	378925	45.09905431	-0.624655471	0.686500913	-0.909912076	0.362868881	0.999371363	Not Sig
ENSG00000135605	TEC	tec protein tyrosine kinase	7006	274.1955289	-0.624307516	0.60354737	-1.03439688	0.300950662	0.999371363	Not Sig
ENSG00000221265	MIR1255A	microRNA 1255a	100302193	12.72637157	-0.624252818	1.084666485	-0.575525129	0.564936201	0.999371363	Not Sig
ENSG00000233956	NA	NA	NA	6.051826591	-0.624035154	1.503057601	-0.415177138	0.678012233	NA	NA
ENSG00000134871	COL4A2	collagen type IV alpha 2 chain	1284	14762.21948	-0.623300025	0.530596249	-1.174716231	0.240108264	0.999371363	Not Sig
ENSG00000176268	NA	NA	NA	15.91782703	-0.623185307	0.841123175	-0.740896607	0.458756133	0.999371363	Not Sig
ENSG00000163110	PDLIM5	PDZ and LIM domain 5	10611	2669.787916	-0.623091925	0.567198947	-1.098542105	0.271967843	0.999371363	Not Sig
ENSG00000247809	NR2F2-AS1	NR2F2 antisense RNA 1	644192	198.9569855	-0.622126903	0.485725667	-1.280819493	0.200257076	0.999371363	Not Sig
ENSG00000254459	NA	NA	NA	7.458649588	-0.622068415	0.994077402	-0.625774627	0.531462777	0.999371363	Not Sig
ENSG00000230164	NA	NA	NA	1.835884435	-0.62192889	2.251274825	-0.276256316	0.782351205	NA	NA
ENSG00000231441	NA	NA	NA	1.835884435	-0.62192889	2.251274825	-0.276256316	0.782351205	NA	NA
ENSG00000125730	C3	complement C3	718	34275.88723	-0.62188613	0.778255091	-0.799077497	0.424245477	0.999371363	Not Sig
ENSG00000116652	NA	NA	NA	15.92028077	-0.621443461	0.955797504	-0.650183181	0.515573904	0.999371363	Not Sig
ENSG00000104886	PLEKHJ1	pleckstrin homology domain containing J1	55111	493.0119869	-0.621394791	0.612076831	-1.015223513	0.309999295	0.999371363	Not Sig
ENSG00000250796	NA	NA	NA	2.019417646	-0.621030695	1.782962378	-0.348313965	0.727604407	NA	NA
ENSG00000260949	NA	NA	NA	6.62090177	-0.620950075	1.071084261	-0.579739707	0.562090162	0.999371363	Not Sig
ENSG00000258172	NA	NA	NA	5.541828111	-0.620906527	1.055519409	-0.58824738	0.556366259	NA	NA
ENSG00000170312	CDK1	cyclin dependent kinase 1	983	224.7433804	-0.620904647	1.00180851	-0.619783762	0.535400161	0.999371363	Not Sig
ENSG00000083223	ZCCHC6	zinc finger CCHC-type containing 6	79670	1753.4436	-0.620880393	0.485890931	-1.277818444	0.20131345	0.999371363	Not Sig
ENSG00000066777	ARFGEF1	ADP ribosylation factor guanine nucleotide exchange factor 1	10565	4155.877052	-0.619680928	0.585165388	-1.058984248	0.289606954	0.999371363	Not Sig
ENSG00000163947	ARHGEF3	Rho guanine nucleotide exchange factor 3	50650	1241.19298	-0.619461555	0.530262362	-1.168217093	0.242719207	0.999371363	Not Sig

ENSG00000123983	ACSL3	acyl-CoA synthetase long chain family member 3		2181	2779.923066	-0.619278064	0.550163858	-1.125624766	0.260324381	0.999371363	Not Sig
ENSG00000105821	DNAJC2	DnaJ heat shock protein family (Hsp40) member C2		27000	553.5470907	-0.619257487	0.542415959	-1.141665316	0.253593163	0.999371363	Not Sig
ENSG00000113649	TCERG1	transcription elongation regulator 1		10915	1621.0505	-0.61925196	0.627822265	-0.986349153	0.323961807	0.999371363	Not Sig
ENSG00000154258	ABCA9	ATP binding cassette subfamily A member 9		10350	393.6935181	-0.619006515	0.697145546	-0.887915756	0.374586068	0.999371363	Not Sig
ENSG00000036448	MYOM2	myomesin 2		9172	46.46878609	-0.618971165	1.255387545	-0.49305186	0.621975944	0.999371363	Not Sig
ENSG00000214338	NA	NA	NA		3.513110934	-0.618677475	1.907537679	-0.32433303	0.745685916	NA	NA
ENSG00000174953	DHX36	DEAH-box helicase 36		170506	1897.759264	-0.61847934	0.665563789	-0.929256294	0.35275628	0.999371363	Not Sig
ENSG00000267185	NA	NA	NA		5.91389299	-0.618471595	1.172548183	-0.527459429	0.597874583	NA	NA
ENSG00000272464	NA	NA	NA		3.234117434	-0.618026038	1.930703572	-0.320104053	0.748889453	NA	NA
ENSG00000258366	RTEL1	regulator of telomere elongation helicase 1		51750	66.83863453	-0.617965431	0.518706662	-1.191358193	0.233512998	0.999371363	Not Sig
ENSG00000139146	SINHCAF	SIN3-HDAC complex associated factor		58516	1045.646781	-0.617711056	0.684724532	-0.902130751	0.366987415	0.999371363	Not Sig
ENSG00000232874	NA	NA	NA		6.339666235	-0.617691585	1.162660026	-0.531274467	0.595228596	NA	NA
ENSG00000206763	NA	NA	NA		3.066891015	-0.61761155	1.561439495	-0.395539854	0.692444515	NA	NA
ENSG00000162994	CLHC1	clathrin heavy chain linker domain containing 1		130162	219.2691482	-0.617170489	0.739521314	-0.834554025	0.403968857	0.999371363	Not Sig
ENSG00000198826	ARHGAP11A	Rho GTPase activating protein 11A		9824	297.8347191	-0.617006867	0.900827965	-0.684933074	0.493386154	0.999371363	Not Sig
ENSG00000180257	ZNF816	zinc finger protein 816		125893	217.6684304	-0.616769521	0.535456775	-1.151856787	0.249379928	0.999371363	Not Sig
ENSG00000213096	ZNF254	zinc finger protein 254		9534	949.5125228	-0.616708993	0.7424051	-0.830690673	0.406148397	0.999371363	Not Sig
ENSG00000267526	NA	NA	NA		16.0536693	-0.616603184	0.863676804	-0.713928151	0.475271609	0.999371363	Not Sig
ENSG00000148200	NR6A1	nuclear receptor subfamily 6 group A member 1		2649	196.1612307	-0.616370319	0.768411866	-0.802135347	0.42247467	0.999371363	Not Sig
ENSG00000241343	RPL36A	ribosomal protein L36a		6173	115.0614673	-0.616349625	0.726580418	-0.848288241	0.396277465	0.999371363	Not Sig
ENSG00000251154	NA	NA	NA		1.312994883	-0.615944079	2.46125631	-0.250255968	0.802389406	NA	NA
ENSG00000152256	PDK1	pyruvate dehydrogenase kinase 1		5163	1107.157795	-0.615396816	0.856430068	-0.718560499	0.472411759	0.999371363	Not Sig
ENSG00000227896	NA	NA	NA		26.40994033	-0.615275604	0.634576529	-0.969584559	0.332253612	0.999371363	Not Sig
ENSG00000265012	NA	NA	NA		8.238071649	-0.615107785	1.073057238	-0.57322924	0.566489489	0.999371363	Not Sig
ENSG00000148154	UGCG	UDP-glucose ceramide glucosyltransferase		7357	2834.074963	-0.61486463	0.665258774	-0.92424881	0.355356788	0.999371363	Not Sig
ENSG00000144566	RAB5A	RAB5A, member RAS oncogene family		5868	1577.17325	-0.614676272	0.675934742	-0.909372212	0.363153685	0.999371363	Not Sig
ENSG00000111052	LIN7A	lin-7 homolog A, crumbs cell polarity complex component		8825	134.7123403	-0.614382209	0.829666181	-0.740517358	0.458986132	0.999371363	Not Sig
ENSG00000264266	MIR4322	microRNA 4322		100422925	1.564069205	-0.614118119	1.984778765	-0.30941389	0.757006706	NA	NA
ENSG00000257246	NA	NA	NA		61.29564477	-0.614117122	0.57088212	-1.075733677	0.282046382	0.999371363	Not Sig
ENSG00000140876	NUDT7	nudix hydrolase 7		283927	63.45419884	-0.614004674	0.665166751	-0.923083832	0.35596352	0.999371363	Not Sig
ENSG00000155100	OTUD6B	OTU domain containing 6B		51633	366.229804	-0.613976498	0.652554367	-0.940881755	0.346765458	0.999371363	Not Sig
ENSG00000234841	NA	NA	NA		2.688925752	-0.612943633	1.522180195	-0.402674818	0.687187461	NA	NA
ENSG00000218018	NA	NA	NA		4.887054676	-0.612917393	1.512714571	-0.405177159	0.685347293	NA	NA
ENSG00000241458	NA	NA	NA		2.706820956	-0.612513745	1.545776248	-0.39624994	0.691920653	NA	NA
ENSG00000196267	ZNF836	zinc finger protein 836		162962	149.8836481	-0.612509711	0.453817492	-1.349682906	0.177117718	0.999371363	Not Sig

ENSG00000181007	ZFP82	ZFP82 zinc finger protein	284406	169.0541059	-0.611920689	0.465795667	-1.313710564	0.188943624	0.999371363	Not Sig
ENSG00000131979	GCH1	GTP cyclohydrolase 1	2643	443.373375	-0.611643759	0.582864645	-1.049375296	0.294005423	0.999371363	Not Sig
ENSG00000240328	NA	NA	NA	17.49400985	-0.611503938	0.896267661	-0.682278258	0.495063019	0.999371363	Not Sig
ENSG00000185800	DMWD	DMI locus, WD repeat containing	1762	756.1773433	-0.611265559	0.605352399	-1.009768129	0.312606393	0.999371363	Not Sig
ENSG00000075089	ACTR6	ARP6 actin related protein 6 homolog	64431	325.2880671	-0.611084647	0.555605841	-1.099852814	0.271396257	0.999371363	Not Sig
ENSG00000116991	SIPAIL2	signal induced proliferation associated 1 like 2	57568	1894.920876	-0.610990362	0.591515829	-1.032923097	0.301639889	0.999371363	Not Sig
ENSG00000253966	NA	NA	NA	31.57791042	-0.610986026	0.893239794	-0.684011203	0.493968092	0.999371363	Not Sig
ENSG00000198625	MDM4	MDM4, p53 regulator	4194	2989.582656	-0.610978064	0.577621277	-1.057748544	0.290170097	0.999371363	Not Sig
ENSG00000239521	GATS	GATS, stromal antigen 3 opposite strand	352954	213.9368292	-0.610814553	0.528179462	-1.156452676	0.247496046	0.999371363	Not Sig
ENSG00000258790	NA	NA	NA	13.13410443	-0.610800276	0.825406906	-0.739998989	0.459300608	0.999371363	Not Sig
ENSG00000120837	NFYB	nuclear transcription factor Y subunit beta	4801	592.065398	-0.610793731	0.449381269	-1.359188229	0.17408695	0.999371363	Not Sig
ENSG00000136936	XPA	XPA, DNA damage recognition and repair factor	7507	278.7388737	-0.61072438	0.42810644	-1.426571343	0.153703489	0.999371363	Not Sig
ENSG00000148384	INPP5E	inositol polyphosphate-5-phosphatase E	56623	435.1242746	-0.610472238	0.595269973	-1.025538438	0.305109198	0.999371363	Not Sig
ENSG00000224789	NA	NA	NA	5.783187895	-0.610195758	1.393689665	-0.437827569	0.661511284	NA	NA
ENSG00000113971	NPHP3	nephrocystin 3	27031	1055.701358	-0.609625343	0.509269363	-1.197058742	0.231283659	0.999371363	Not Sig
ENSG00000114021	NIT2	nitrilase family member 2	56954	512.0741633	-0.609602534	0.552583004	-1.103187267	0.26994585	0.999371363	Not Sig
ENSG00000173166	RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	65059	4804.062717	-0.609096405	0.563252881	-1.081390661	0.279523374	0.999371363	Not Sig
ENSG00000242173	ARHGDI3	Rho GDP dissociation inhibitor gamma	398	5.279727419	-0.608600279	1.158659671	-0.525262331	0.59940084	NA	NA
ENSG00000132958	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	93492	9.568165251	-0.608531501	1.416455835	-0.429615584	0.667475299	0.999371363	Not Sig
ENSG00000146707	POMZP3	POM121 and ZP3 fusion	22932	135.2910762	-0.60826243	0.599531364	-1.014563151	0.310314112	0.999371363	Not Sig
ENSG00000228322	NA	NA	NA	0.812572796	-0.608074242	2.776157401	-0.219034498	0.826623175	NA	NA
ENSG00000267490	NA	NA	NA	0.812572796	-0.608074242	2.776157401	-0.219034498	0.826623175	NA	NA
ENSG00000005436	GCFC2	GC-rich sequence DNA-binding factor 2	6936	420.8239201	-0.607962895	0.555881443	-1.093691653	0.274090236	0.999371363	Not Sig
ENSG00000251413	NA	NA	NA	2.975619473	-0.607485817	1.620894037	-0.374784411	0.707820809	NA	NA
ENSG00000058668	ATP2B4	ATPase plasma membrane Ca2+ transporting 4	493	6192.533346	-0.607454281	0.504766447	-1.203436332	0.228807516	0.999371363	Not Sig
ENSG00000228808	NA	NA	NA	34.04955661	-0.607326822	0.600514193	-1.011344659	0.311851498	0.999371363	Not Sig
ENSG00000108239	TBC1D12	TBC1 domain family member 12	23232	588.2403683	-0.607289066	0.423198816	-1.434997081	0.151287929	0.999371363	Not Sig
ENSG00000183807	FAM162B	family with sequence similarity 162 member B	221303	130.0089153	-0.607226045	0.875307835	-0.693728561	0.487852451	0.999371363	Not Sig
ENSG00000265917	MIR3685	microRNA 3685	100500802	14.93926427	-0.607215821	1.250102936	-0.485732657	0.627156726	0.999371363	Not Sig
ENSG00000185010	F8	coagulation factor VIII	2157	885.6828974	-0.606636311	0.872225838	-0.695503715	0.486739684	0.999371363	Not Sig
ENSG00000102312	PORCN	porcupine O-acyltransferase	64840	170.7523952	-0.606562672	0.666408227	-0.910196853	0.362718703	0.999371363	Not Sig
ENSG00000250290	NA	NA	NA	24.38712545	-0.606125075	0.870693424	-0.696140638	0.486340759	0.999371363	Not Sig
ENSG00000268088	NA	NA	NA	2.078661622	-0.605519079	2.0982626	-0.288581172	0.772901906	NA	NA
ENSG00000119636	BBOF1	basal body orientation factor 1	80127	119.3910745	-0.60519015	0.529986272	-1.141897784	0.25349651	0.999371363	Not Sig
ENSG00000112096	SOD2	superoxide dismutase 2	6648	10029.2091	-0.604819116	0.593367852	-1.01929876	0.308061152	0.999371363	Not Sig

ENSG00000112096	SOD2-OT1	SOD2 overlapping transcript 1	100129518	10029.2091	-0.604819116	0.593367852	-1.01929876	0.308061152	0.999371363	Not Sig
ENSG00000089682	RBM41	RNA binding motif protein 41	55285	632.9511682	-0.604692954	0.718565826	-0.841527571	0.400052446	0.999371363	Not Sig
ENSG00000145632	PLK2	polo like kinase 2	10769	1490.989185	-0.604576239	0.51826072	-1.166548448	0.243392773	0.999371363	Not Sig
ENSG00000179476	C14orf28	chromosome 14 open reading frame 28	122525	98.78135492	-0.604393057	0.452319946	-1.336206954	0.181481639	0.999371363	Not Sig
ENSG00000159164	SV2A	synaptic vesicle glycoprotein 2A	9900	81.50471028	-0.604379089	0.610704049	-0.989643168	0.322348563	0.999371363	Not Sig
ENSG00000197892	KIF13B	kinesin family member 13B	23303	4571.304034	-0.603765981	0.559231914	-1.079634345	0.280305041	0.999371363	Not Sig
ENSG00000225991	NA	NA	NA	29.11218073	-0.603752145	0.797396111	-0.757154614	0.448957238	0.999371363	Not Sig
ENSG00000172717	FAM71D	family with sequence similarity 71 member D	161142	2.695363288	-0.603727749	1.46457375	-0.41222079	0.6801776	NA	NA
ENSG00000131944	FAAP24	Fanconi anemia core complex associated protein 24	91442	33.38888927	-0.603712008	0.616845589	-0.978708478	0.327724042	0.999371363	Not Sig
ENSG00000202343	NA	NA	NA	6.051804504	-0.60364708	1.070811511	-0.563728606	0.572938846	NA	NA
ENSG00000226010	NA	NA	NA	5.195879516	-0.603610409	1.171657183	-0.515176639	0.606429592	NA	NA
ENSG00000102471	NDFIP2	Nedd4 family interacting protein 2	54602	685.2436138	-0.603487773	0.55033816	-1.096576282	0.27282666	0.999371363	Not Sig
ENSG00000269194	NA	NA	NA	13.61746672	-0.603243807	0.967308344	-0.623631348	0.532869718	0.999371363	Not Sig
ENSG00000234181	NA	NA	NA	2.423548058	-0.603138972	1.772839301	-0.340210741	0.73369783	NA	NA
ENSG00000148773	MKI67	marker of proliferation Ki-67	4288	1446.246772	-0.602842977	1.036409568	-0.581664812	0.560792478	0.999371363	Not Sig
ENSG00000260518	NA	NA	NA	12.13744151	-0.602281685	1.116261956	-0.539552282	0.589505832	0.999371363	Not Sig
ENSG00000256981	NA	NA	NA	83.71889676	-0.60224089	0.901591947	-0.66797501	0.504149545	0.999371363	Not Sig
ENSG00000128513	POT1	protection of telomeres 1	25913	391.4699032	-0.602206079	0.676361263	-0.890361573	0.373271769	0.999371363	Not Sig
ENSG00000267587	NA	NA	NA	28.76598177	-0.602120365	0.747980534	-0.804994699	0.420822739	0.999371363	Not Sig
ENSG00000248266	NA	NA	NA	1.889228027	-0.6019136	1.925017217	-0.312679593	0.754524101	NA	NA
ENSG00000111788	NA	NA	NA	263.2108143	-0.601912128	0.572150829	-1.052016527	0.292791967	0.999371363	Not Sig
ENSG00000258325	NA	NA	NA	22.72508286	-0.601818734	0.759880727	-0.791991049	0.428365895	0.999371363	Not Sig
ENSG00000100483	VCPKMT	valosin containing protein lysine methyltransferase	79609	223.998211	-0.60177358	0.580190443	-1.03720009	0.299642616	0.999371363	Not Sig
ENSG00000170092	SPDYE5	speedy/RINGO cell cycle regulator family member E5	442590	1.365801323	-0.60174421	2.812472356	-0.2139556	0.830581682	NA	NA
ENSG00000248527	NA	NA	NA	2762.724522	-0.601739715	0.692866019	-0.868479185	0.385132062	0.999371363	Not Sig
ENSG00000200571	NA	NA	NA	10.20580188	-0.601047636	1.159726073	-0.5182669	0.604272064	0.999371363	Not Sig
ENSG00000186466	NA	NA	NA	51.17870917	-0.600842215	0.90913258	-0.660896142	0.50867892	0.999371363	Not Sig
ENSG00000241627	NA	NA	NA	1.948472004	-0.600051994	1.90068526	-0.315702977	0.752227967	NA	NA
ENSG00000100985	MMP9	matrix metalloproteinase 9	4318	671.3898229	-0.600005974	1.019039595	-0.588795545	0.555998434	0.999371363	Not Sig
ENSG00000200534	SNORA33	small nucleolar RNA, H/ACA box 33	594839	24.15684256	-0.599940743	0.77351303	-0.775605219	0.437982118	0.999371363	Not Sig
ENSG00000197713	RPE	ribulose-5-phosphate-3-epimerase	6120	1035.835069	-0.599908085	0.673684121	-0.890488683	0.373203543	0.999371363	Not Sig
ENSG00000168904	LRRC28	leucine rich repeat containing 28	123355	258.3349522	-0.599746845	0.466869343	-1.284613893	0.198927241	0.999371363	Not Sig
ENSG00000217648	NA	NA	NA	18.97413649	-0.5995726	0.722820107	-0.829490761	0.406826763	0.999371363	Not Sig
ENSG00000127922	SEM1	SEM1, 26S proteasome complex subunit	7979	541.1183517	-0.599554905	0.532617049	-1.125677269	0.260302149	0.999371363	Not Sig
ENSG00000127311	HELB	DNA helicase B	92797	325.6247395	-0.599295203	0.571600204	-1.048451696	0.294430546	0.999371363	Not Sig

ENSG00000001629	ANKIB1	ankyrin repeat and IBR domain containing 1	54467	1775.57317	-0.599087209	0.508546259	-1.178038769	0.238781151	0.999371363	Not Sig
ENSG00000269376	NA	NA	NA	7.255217633	-0.598784367	0.958437097	-0.624750825	0.53213461	0.999371363	Not Sig
ENSG00000125753	VASP	vasodilator stimulated phosphoprotein	7408	3016.48351	-0.598724127	0.605177756	-0.989335978	0.322498787	0.999371363	Not Sig
ENSG00000148803	FUOM	fucose mutarotase	282969	170.8103151	-0.598721973	0.814460087	-0.73511518	0.46226935	0.999371363	Not Sig
ENSG00000169291	SHE	Src homology 2 domain containing E	126669	1231.294982	-0.598625673	0.876224567	-0.683187502	0.494488369	0.999371363	Not Sig
ENSG00000187627	RGPD1	RANBP2-like and GRIP domain containing 1	400966	10.4052255	-0.598590502	1.287361697	-0.464974609	0.64194964	0.999371363	Not Sig
ENSG00000121289	CEP89	centrosomal protein 89	84902	406.5622402	-0.598564439	0.40012906	-1.495928435	0.134672305	0.999371363	Not Sig
ENSG00000180190	TDRP	testis development related protein	157695	473.7140197	-0.598115678	0.676940712	-0.883556961	0.376935421	0.999371363	Not Sig
ENSG00000196312	MFSD14C	major facilitator superfamily domain containing 14C	84278	367.796607	-0.597655753	0.443910749	-1.34634215	0.178192198	0.999371363	Not Sig
ENSG00000244018	NA	NA	NA	6.663657047	-0.597502673	1.02307246	-0.584027717	0.559201665	0.999371363	Not Sig
ENSG00000236155	LOC101928303	uncharacterized LOC101928303	101928303	5.526602096	-0.597490293	1.571129694	-0.380293425	0.703727616	NA	NA
ENSG00000104859	CLASRP	CLK4 associating serine/arginine rich protein	11129	821.5466115	-0.597029024	0.458110455	-1.303242522	0.192491977	0.999371363	Not Sig
ENSG00000159882	ZNF230	zinc finger protein 230	7773	116.7716751	-0.596948522	0.475647857	-1.255021996	0.209470775	0.999371363	Not Sig
ENSG00000118491	ZC2HC1B	zinc finger C2HC-type containing 1B	153918	2.387513652	-0.596855771	1.762232503	-0.338692976	0.734841033	NA	NA
ENSG00000227591	LOC101930114	uncharacterized LOC101930114	101930114	5.152394282	-0.596808288	1.093156069	-0.545949755	0.585100476	NA	NA
ENSG00000198464	ZNF480	zinc finger protein 480	147657	389.9203323	-0.596551799	0.53587487	-1.11322966	0.265609807	0.999371363	Not Sig
ENSG00000206957	NA	NA	NA	1.909835892	-0.596265371	1.679160439	-0.355097319	0.722516685	NA	NA
ENSG00000259032	NA	NA	NA	1.120007424	-0.596198951	2.201125984	-0.270860894	0.786498023	NA	NA
ENSG00000181751	C5orf30	chromosome 5 open reading frame 30	90355	126.2523456	-0.596157648	0.609322145	-0.978394849	0.327879075	0.999371363	Not Sig
ENSG00000243005	NA	NA	NA	22.27560762	-0.596155566	0.739988447	-0.805628335	0.420457183	0.999371363	Not Sig
ENSG00000265577	NA	NA	NA	3.557310803	-0.595862461	1.293438755	-0.460680847	0.645027598	NA	NA
ENSG00000218739	CEBPZOS	CEBPZ opposite strand	100505876	629.2350616	-0.595825193	0.586805715	-1.015370467	0.309929265	0.999371363	Not Sig
ENSG00000131503	ANKHD1	ankyrin repeat and KH domain containing 1	54882	253.362573	-0.595794164	0.688932585	-0.864807641	0.387144377	0.999371363	Not Sig
ENSG00000215196	BASP1-AS1	BASP1 antisense RNA 1	285696	4.323929702	-0.595743508	1.258772016	-0.473273556	0.636018026	NA	NA
ENSG00000146910	CNPY1	canopy FGF signaling regulator 1	285888	0.912285293	-0.595376807	3.132820711	-0.190044967	0.849273894	NA	NA
ENSG00000267145	NA	NA	NA	0.912285293	-0.595376807	3.132820711	-0.190044967	0.849273894	NA	NA
ENSG00000273247	NA	NA	NA	298.624886	-0.595271749	0.62325616	-0.955099664	0.339527299	0.999371363	Not Sig
ENSG00000183963	SMTN	smoothelin	6525	1402.787612	-0.595147665	0.629239132	-0.945821128	0.344239827	0.999371363	Not Sig
ENSG00000125255	SLC10A2	solute carrier family 10 member 2	6555	1.570506741	-0.595075095	2.26414326	-0.262825726	0.792684906	NA	NA
ENSG00000267459	NA	NA	NA	1.570506741	-0.595075095	2.26414326	-0.262825726	0.792684906	NA	NA
ENSG00000254732	NA	NA	NA	72.16561763	-0.595065508	0.673870136	-0.883056655	0.377205661	0.999371363	Not Sig
ENSG00000257027	NA	NA	NA	459.0409912	-0.59460631	0.786417036	-0.756095409	0.449591995	0.999371363	Not Sig
ENSG00000147852	VLDLR	very low density lipoprotein receptor	7436	487.968981	-0.594571499	0.502094553	-1.184182333	0.236340894	0.999371363	Not Sig
ENSG00000254911	SCARNA9	small Cajal body-specific RNA 9	619383	971.8737598	-0.594551621	0.718827515	-0.827113053	0.408172986	0.999371363	Not Sig
ENSG00000254911	SCARNA9L	small Cajal body-specific RNA 9-like	100158262	971.8737598	-0.594551621	0.718827515	-0.827113053	0.408172986	0.999371363	Not Sig

ENSG00000225401	NA	NA	NA	11.10351274	-0.594241092	1.411065778	-0.421129264	0.673660694	0.999371363	Not Sig
ENSG00000232587	NA	NA	NA	100.2012067	-0.594072883	0.578536674	-1.02685432	0.304489067	0.999371363	Not Sig
ENSG00000138315	OIT3	oncoprotein induced transcript 3	170392	4.369003349	-0.593882302	1.300344402	-0.456711546	0.647878391	NA	NA
ENSG00000222482	NA	NA	NA	23.17004256	-0.593855868	0.776915194	-0.764376694	0.444642793	0.999371363	Not Sig
ENSG00000164124	TMEM144	transmembrane protein 144	55314	454.4572985	-0.593688224	0.734548304	-0.808235783	0.418954862	0.999371363	Not Sig
ENSG00000156876	SASS6	SAS-6 centriolar assembly protein	163786	192.8127016	-0.59345791	0.837850782	-0.708309788	0.4787529	0.999371363	Not Sig
ENSG00000116141	MARK1	microtubule affinity regulating kinase 1	4139	331.5923938	-0.593433671	0.746813188	-0.794621306	0.426833821	0.999371363	Not Sig
ENSG00000223238	NA	NA	NA	9.834119434	-0.593319731	1.005077055	-0.590322263	0.55497437	0.999371363	Not Sig
ENSG00000197912	SPG7	SPG7, paraplegin matrix AAA peptidase subunit	6687	1883.01307	-0.593228139	0.453598145	-1.307827525	0.190931816	0.999371363	Not Sig
ENSG00000082515	MRPL22	mitochondrial ribosomal protein L22	29093	229.5276798	-0.592906834	0.562661362	-1.053754309	0.291995417	0.999371363	Not Sig
ENSG00000186094	AGBL4	ATP/GTP binding protein like 4	84871	44.93347919	-0.592825377	0.740616052	-0.800448998	0.423450702	0.999371363	Not Sig
ENSG00000184588	PDE4B	phosphodiesterase 4B	5142	1200.143578	-0.592559518	0.612520412	-0.967411871	0.333338178	0.999371363	Not Sig
ENSG00000201622	NA	NA	NA	2.778768993	-0.592513332	1.446886775	-0.409509121	0.682166074	NA	NA
ENSG00000169856	ONECUT1	one cut homeobox 1	3175	50.56110688	-0.592500759	1.258867208	-0.470661842	0.637882238	0.999371363	Not Sig
ENSG00000269709	NA	NA	NA	1.18108381	-0.592361832	2.495644289	-0.237358278	0.812378854	NA	NA
ENSG00000113231	PDE8B	phosphodiesterase 8B	8622	227.0785619	-0.592357361	0.873172667	-0.678396592	0.49752027	0.999371363	Not Sig
ENSG00000135018	UBQLN1	ubiquilin 1	29979	2784.997503	-0.592295701	0.482799416	-1.226794568	0.219899813	0.999371363	Not Sig
ENSG00000214485	NA	NA	NA	11.35150893	-0.592086351	0.972657222	-0.608730741	0.542702928	0.999371363	Not Sig
ENSG00000188368	PRR19	proline rich 19	284338	9.903382001	-0.591999572	0.896692544	-0.660203517	0.509123235	0.999371363	Not Sig
ENSG00000134146	DPH6	diphthamine biosynthesis 6	89978	253.3747163	-0.59198952	0.772312792	-0.766515234	0.443369791	0.999371363	Not Sig
ENSG00000119714	GPR68	G protein-coupled receptor 68	8111	193.5825256	-0.591601052	0.686377237	-0.861918229	0.388732517	0.999371363	Not Sig
ENSG00000264538	NA	NA	NA	584.387171	-0.591478169	0.583312113	-1.013999463	0.310583009	0.999371363	Not Sig
ENSG00000128487	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1	92521	1162.877158	-0.591281248	0.433417811	-1.364229232	0.172495431	0.999371363	Not Sig
ENSG00000151849	CENPJ	centromere protein J	55835	350.9828866	-0.59104224	0.563672707	-1.048555717	0.294382646	0.999371363	Not Sig
ENSG00000187997	C17orf99	chromosome 17 open reading frame 99	100141515	1.356347075	-0.591001713	2.763166851	-0.213885641	0.830636238	NA	NA
ENSG00000263065	NA	NA	NA	6.806333919	-0.59075558	1.256653342	-0.470102438	0.638281833	0.999371363	Not Sig
ENSG00000170549	IRX1	iroquois homeobox 1	79192	145.0879706	-0.59061256	1.299283635	-0.454567844	0.649420173	0.999371363	Not Sig
ENSG00000213020	ZNF611	zinc finger protein 611	81856	596.9808608	-0.590237762	0.444782009	-1.32702706	0.184499732	0.999371363	Not Sig
ENSG00000245849	RAD51-AS1	RAD51 antisense RNA 1 (head to head)	100505648	215.6495839	-0.590123392	0.517340624	-1.140686356	0.254000466	0.999371363	Not Sig
ENSG00000169372	CRADD	CASP2 and RIPK1 domain containing adaptor with death domain	8738	212.4546427	-0.590071972	0.463237896	-1.273799007	0.202734657	0.999371363	Not Sig
ENSG00000125384	PTGER2	prostaglandin E receptor 2	5732	113.3686969	-0.589849563	0.527851718	-1.117453145	0.263800623	0.999371363	Not Sig
ENSG00000243609	NA	NA	NA	48.96690273	-0.589829635	0.561366879	-1.050702591	0.293395206	0.999371363	Not Sig
ENSG00000129195	PIMREG	PICALM interacting mitotic regulator	54478	26.24343983	-0.589808979	0.982425263	-0.600360151	0.548266239	0.999371363	Not Sig
ENSG00000242861	NA	NA	NA	102.7996099	-0.58975515	0.730622323	-0.807195634	0.419553781	0.999371363	Not Sig
ENSG00000251603	NA	NA	NA	42.14202025	-0.589667521	0.895181536	-0.658712783	0.510080223	0.999371363	Not Sig

ENSG00000196388	INCA1	inhibitor of CDK, cyclin A1 interacting protein 1	388324	24.50760095	-0.589477199	0.719230906	-0.81959381	0.412447703	0.999371363	Not Sig
ENSG00000182611	NA	NA	NA	151.127972	-0.589179278	0.888119851	-0.663400641	0.507073996	0.999371363	Not Sig
ENSG00000197951	ZNF71	zinc finger protein 71	58491	257.7711765	-0.589145196	0.597516881	-0.985989207	0.324138409	0.999371363	Not Sig
ENSG00000075391	RASAL2	RAS protein activator like 2	9462	1678.721722	-0.58884061	0.530870937	-1.109197299	0.267345077	0.999371363	Not Sig
ENSG00000201574	NA	NA	NA	5.688131715	-0.588710852	1.246693184	-0.472217912	0.636771256	NA	NA
ENSG00000230397	NA	NA	NA	16.15294028	-0.58868243	0.798922245	-0.736845522	0.461216297	0.999371363	Not Sig
ENSG00000138326	RPS24	ribosomal protein S24	6229	6461.460019	-0.588659647	0.518857327	-1.134530854	0.256571939	0.999371363	Not Sig
ENSG00000249786	NA	NA	NA	5.477724114	-0.588501858	1.457921033	-0.403658253	0.686464042	NA	NA
ENSG00000105516	DBP	D-box binding PAR bZIP transcription factor	1628	322.67261	-0.588250662	0.751940464	-0.782310157	0.434032319	0.999371363	Not Sig
ENSG00000107745	MICU1	mitochondrial calcium uptake 1	10367	1169.304456	-0.588217076	0.421216487	-1.396472109	0.162572374	0.999371363	Not Sig
ENSG00000256351	NA	NA	NA	5.719915283	-0.587575646	1.119921945	-0.524657676	0.599821184	NA	NA
ENSG00000133135	RNF128	ring finger protein 128, E3 ubiquitin protein ligase	79589	409.260515	-0.587558304	0.560737147	-1.04783196	0.294716035	0.999371363	Not Sig
ENSG00000272631	NA	NA	NA	46.05109225	-0.587546402	0.53958892	-1.08887781	0.276207773	0.999371363	Not Sig
ENSG00000222844	NA	NA	NA	1.708551297	-0.587300139	1.960719191	-0.299533019	0.764533382	NA	NA
ENSG00000123124	WWP1	WW domain containing E3 ubiquitin protein ligase 1	11059	2072.311778	-0.587225991	0.514572212	-1.141192582	0.253789791	0.999371363	Not Sig
ENSG00000250365	LOC101927124	uncharacterized LOC101927124	101927124	3.861142701	-0.587203442	1.616664269	-0.363219162	0.716441174	NA	NA
ENSG00000266570	MIR5579	microRNA 5579	100847000	4.805028285	-0.587127488	1.501623999	-0.390995008	0.695800926	NA	NA
ENSG00000111665	CDCA3	cell division cycle associated 3	83461	65.59613679	-0.58675742	0.852085371	-0.688613419	0.491066574	0.999371363	Not Sig
ENSG00000245904	NA	NA	NA	32.00146389	-0.58647002	0.727615319	-0.806016592	0.420233282	0.999371363	Not Sig
ENSG00000260465	NA	NA	NA	2.714675894	-0.586428955	1.524442992	-0.384684083	0.700471489	NA	NA
ENSG00000223774	NA	NA	NA	10.31751029	-0.586261892	1.169088255	-0.50146932	0.616040865	0.999371363	Not Sig
ENSG00000079257	LXN	latexin	56925	284.7823112	-0.586205118	0.730803789	-0.802137491	0.42247343	0.999371363	Not Sig
ENSG00000122884	P4HA1	prolyl 4-hydroxylase subunit alpha 1	5033	2179.211465	-0.5861313	0.704533635	-0.831942254	0.40544154	0.999371363	Not Sig
ENSG00000248367	NA	NA	NA	14.0993325	-0.586006732	1.109681012	-0.528085752	0.59743982	0.999371363	Not Sig
ENSG00000214533	NA	NA	NA	0.819010331	-0.585762294	2.772048353	-0.211310273	0.832645167	NA	NA
ENSG00000264569	NA	NA	NA	0.819010331	-0.585762294	2.772048353	-0.211310273	0.832645167	NA	NA
ENSG00000166073	GPR176	G protein-coupled receptor 176	11245	258.4979505	-0.585200115	0.551014471	-1.062041281	0.288216945	0.999371363	Not Sig
ENSG00000268983	NA	NA	NA	1.488518438	-0.585141474	1.98281292	-0.295106749	0.767912335	NA	NA
ENSG00000233101	HOXB-AS3	HOXB cluster antisense RNA 3	404266	29.482078	-0.585073265	0.931004755	-0.628432091	0.52972092	0.999371363	Not Sig
ENSG00000182973	CNOT10	CCR4-NOT transcription complex subunit 10	25904	627.477104	-0.585043096	0.546602616	-1.070326191	0.284472509	0.999371363	Not Sig
ENSG00000224078	NA	NA	NA	1966.853062	-0.584810342	0.506320347	-1.155020423	0.248082063	0.999371363	Not Sig
ENSG00000179152	TCAIM	T-cell activation inhibitor, mitochondrial	285343	748.8154482	-0.584622089	0.642973829	-0.9092471	0.363219707	0.999371363	Not Sig
ENSG00000269896	LOC100129534	small nuclear ribonucleoprotein polypeptide N pseudogene	100129534	31.24652707	-0.584081153	0.710282885	-0.822321874	0.410893731	0.999371363	Not Sig
ENSG00000170153	RNF150	ring finger protein 150	57484	335.9620331	-0.584008353	0.926350431	-0.630439987	0.528406756	0.999371363	Not Sig
ENSG00000265802	NA	NA	NA	10.24455985	-0.583899917	0.924223998	-0.631773161	0.527535114	0.999371363	Not Sig

ENSG00000198440	ZNF583	zinc finger protein 583	147949	125.2897726	-0.583870726	0.517093502	-1.129139553	0.258838968	0.999371363	Not Sig
ENSG00000163938	GNL3	G protein nucleolar 3	26354	1475.405296	-0.5837538	0.643484816	-0.907175718	0.364313882	0.999371363	Not Sig
ENSG00000225808	NA	NA	NA	19.41849239	-0.583627301	0.657141111	-0.888130861	0.374470364	0.999371363	Not Sig
ENSG00000156831	NSMCE2	NSE2/AMS21 homolog, SMC5-SMC6 complex SUMO ligase	286053	350.3125522	-0.583519109	0.606852883	-0.961549538	0.33627593	0.999371363	Not Sig
ENSG00000246225	NA	NA	NA	20.45590203	-0.583250234	0.802981167	-0.726356057	0.467620523	0.999371363	Not Sig
ENSG00000244754	N4BP2L2	NEDD4 binding protein 2 like 2	10443	3048.869606	-0.583081999	0.608650431	-0.957991598	0.338066995	0.999371363	Not Sig
ENSG00000151532	VTI1A	vesicle transport through interaction with t-SNAREs 1A	143187	697.0599676	-0.583077199	0.468766478	-1.2438543	0.213553191	0.999371363	Not Sig
ENSG00000093217	XYLB	xylulokinase	9942	215.2782991	-0.582825621	0.707320671	-0.823990652	0.40994487	0.999371363	Not Sig
ENSG00000005243	COPZ2	coatamer protein complex subunit zeta 2	51226	155.2045037	-0.582443167	0.584908539	-0.99578503	0.319354605	0.999371363	Not Sig
ENSG00000170500	LONRF2	LON peptidase N-terminal domain and ring finger 2	164832	964.1017308	-0.582287227	0.749191405	-0.777220912	0.437028446	0.999371363	Not Sig
ENSG00000166762	CATSPER2	cation channel sperm associated 2	117155	149.4816991	-0.582275003	0.569322246	-1.022751188	0.306425502	0.999371363	Not Sig
ENSG00000134874	DZIP1	DAZ interacting zinc finger protein 1	22873	377.9007507	-0.581898323	0.525742978	-1.106811402	0.268375477	0.999371363	Not Sig
ENSG00000248966	NA	NA	NA	1.993241598	-0.581666492	1.646144514	-0.353350807	0.723825461	NA	NA
ENSG00000207563	MIR23B	microRNA 23b	407011	20.01627065	-0.581573572	0.943477243	-0.616415049	0.537620623	0.999371363	Not Sig
ENSG00000088340	FER1L4	fer-1 like family member 4, pseudogene	80307	311.5829317	-0.580788389	0.780628939	-0.744000587	0.45687612	0.999371363	Not Sig
ENSG00000004864	SLC25A13	solute carrier family 25 member 13	10165	647.1076988	-0.580684548	0.570234747	-1.018325436	0.308523324	0.999371363	Not Sig
ENSG00000148468	FAM171A1	family with sequence similarity 171 member A1	221061	357.9231979	-0.58067645	0.785172922	-0.739552312	0.459571687	0.999371363	Not Sig
ENSG00000003402	CFLAR	CASP8 and FADD like apoptosis regulator	8837	7410.357183	-0.580509401	0.517326403	-1.12213372	0.261805589	0.999371363	Not Sig
ENSG00000167483	FAM129C	family with sequence similarity 129 member C	199786	39.85797781	-0.580360612	0.911923011	-0.636414045	0.524506589	0.999371363	Not Sig
ENSG00000180747	SMG1P3	SMG1 pseudogene 3	100271836	764.3725271	-0.58032504	0.524905334	-1.105580382	0.268908185	0.999371363	Not Sig
ENSG00000106560	GIMAP2	GTPase, IMAP family member 2	26157	292.0792973	-0.580149617	0.821476771	-0.706227659	0.480046572	0.999371363	Not Sig
ENSG00000270962	NA	NA	NA	4.4069204	-0.580061198	1.175664355	-0.493390138	0.621736949	NA	NA
ENSG00000256420	NA	NA	NA	1.933997622	-0.579907148	1.924049803	-0.30139924	0.763110074	NA	NA
ENSG00000216141	MIR941-2	microRNA 941-2	100126339	9.700221233	-0.579640605	0.852077912	-0.68026714	0.496335327	0.999371363	Not Sig
ENSG00000172602	RND1	Rho family GTPase 1	27289	827.2223989	-0.579572624	0.889888529	-0.651286767	0.514861389	0.999371363	Not Sig
ENSG00000078177	N4BP2	NEDD4 binding protein 2	55728	1370.360813	-0.579324963	0.710687712	-0.815161081	0.414980112	0.999371363	Not Sig
ENSG00000225113	NA	NA	NA	24.34268529	-0.579238434	0.642725941	-0.901221496	0.367470564	0.999371363	Not Sig
ENSG00000091844	RGS17	regulator of G protein signaling 17	26575	175.6279001	-0.579117517	1.105021199	-0.524078197	0.600224153	0.999371363	Not Sig
ENSG00000138180	CEP55	centrosomal protein 55	55165	126.309747	-0.578952154	1.013760494	-0.571093624	0.567936181	0.999371363	Not Sig
ENSG00000196504	PRPF40A	pre-mRNA processing factor 40 homolog A	55660	2920.60486	-0.578894838	0.610167524	-0.948747376	0.342749112	0.999371363	Not Sig
ENSG00000117399	CDC20	cell division cycle 20	991	128.4814403	-0.57830606	1.046061288	-0.55284147	0.580371969	0.999371363	Not Sig
ENSG00000267285	NA	NA	NA	5.150412537	-0.578276382	1.783040172	-0.324320445	0.745695443	NA	NA
ENSG00000258441	LINC00641	long intergenic non-protein coding RNA 641	283624	425.5942189	-0.578231108	0.522388372	-1.106898888	0.268337647	0.999371363	Not Sig
ENSG00000171984	C20orf196	chromosome 20 open reading frame 196	149840	92.40085317	-0.578144119	0.471623913	-1.225858364	0.220251979	0.999371363	Not Sig
ENSG00000162959	MEMO1	mediator of cell motility 1	51072	194.4337325	-0.577931352	0.585099617	-0.987748641	0.323275766	0.999371363	Not Sig

ENSG00000138379	MSTN	myostatin	2660	4.05613358	-0.577616892	1.294129382	-0.446336278	0.655354354	NA	NA
ENSG00000163516	ANKZF1	ankyrin repeat and zinc finger domain containing 1	55139	837.4318652	-0.577576352	0.433601739	-1.332043441	0.182845914	0.999371363	Not Sig
ENSG00000099326	MZF1	myeloid zinc finger 1	7593	667.7300548	-0.577205838	0.467321879	-1.235135491	0.216780083	0.999371363	Not Sig
ENSG00000231865	NA	NA	NA	98.54899282	-0.57703168	0.672569532	-0.857950967	0.390919539	0.999371363	Not Sig
ENSG00000138735	PDE5A	phosphodiesterase 5A	8654	1574.567171	-0.577013997	0.632246832	-0.912640392	0.361431703	0.999371363	Not Sig
ENSG00000182477	NA	NA	NA	1.187521345	-0.57579772	2.223380821	-0.258973953	0.795655338	NA	NA
ENSG00000172794	RAB37	RAB37, member RAS oncogene family	326624	342.9613238	-0.575525284	0.925181203	-0.622067636	0.533897395	0.999371363	Not Sig
ENSG00000059145	UNKL	unkempt family like zinc finger	64718	795.3918174	-0.575206937	0.475210878	-1.210424601	0.226116007	0.999371363	Not Sig
ENSG00000121743	GJA3	gap junction protein alpha 3	2700	3.413527054	-0.574752321	1.901231061	-0.30230535	0.7624193	NA	NA
ENSG00000272700	NA	NA	NA	13.44033557	-0.574614022	1.433751806	-0.400776494	0.688584686	0.999371363	Not Sig
ENSG00000152767	FARP1	FERM, ARH/RhoGEF and pleckstrin domain protein 1	10160	3855.50657	-0.574437882	0.440536995	-1.303949246	0.192250888	0.999371363	Not Sig
ENSG00000248476	NA	NA	NA	70.86892565	-0.57434036	0.714405114	-0.803942117	0.421430405	0.999371363	Not Sig
ENSG00000229097	NA	NA	NA	2.406826259	-0.574236863	2.020922595	-0.284145897	0.776298575	NA	NA
ENSG00000214029	ZNF891	zinc finger protein 891	101060200	180.4724939	-0.573856673	0.555051667	-1.03387974	0.301192387	0.999371363	Not Sig
ENSG00000212138	NA	NA	NA	4.27616644	-0.573840515	1.354370066	-0.423695509	0.671787891	NA	NA
ENSG00000272096	NA	NA	NA	5.083719103	-0.573795723	1.570061264	-0.365460722	0.714767521	NA	NA
ENSG00000210112	NA	NA	NA	12.60486373	-0.57377824	1.158593054	-0.495237079	0.62043278	0.999371363	Not Sig
ENSG00000199172	MIR331	microRNA 331	442903	4.913475971	-0.573681877	1.239583219	-0.462802229	0.643506133	NA	NA
ENSG00000099804	CDC34	cell division cycle 34	997	755.6048625	-0.573271502	0.557898135	-1.027555868	0.304158793	0.999371363	Not Sig
ENSG00000196922	ZNF252P	zinc finger protein 252, pseudogene	286101	1082.916016	-0.573105225	0.63406363	-0.903860745	0.366069247	0.999371363	Not Sig
ENSG00000204745	NA	NA	NA	33.23289046	-0.573010731	0.68712945	-0.833919622	0.404326279	0.999371363	Not Sig
ENSG00000236809	NA	NA	NA	16.23373543	-0.572696251	0.955433764	-0.599409684	0.548899721	0.999371363	Not Sig
ENSG00000207622	MIR619	microRNA 619	693204	9.714358989	-0.572617149	1.037987475	-0.551660943	0.581180674	0.999371363	Not Sig
ENSG00000196968	FUT11	fucosyltransferase 11	170384	765.1452147	-0.57214955	0.48307762	-1.184384303	0.236260971	0.999371363	Not Sig
ENSG00000225423	NA	NA	NA	35.44429177	-0.572144369	0.895127855	-0.639176143	0.52270835	0.999371363	Not Sig
ENSG00000252690	NA	NA	NA	49.47346891	-0.571891167	0.666729473	-0.857755942	0.391027243	0.999371363	Not Sig
ENSG00000263707	NA	NA	NA	7.574653555	-0.571486585	0.973409332	-0.587097911	0.55713795	0.999371363	Not Sig
ENSG00000105856	HBP1	HMG-box transcription factor 1	26959	1911.265979	-0.571427231	0.443137093	-1.2895044	0.197222788	0.999371363	Not Sig
ENSG00000187536	NA	NA	NA	27.54511616	-0.570662564	0.774988271	-0.736349935	0.461517764	0.999371363	Not Sig
ENSG00000077458	FAM76B	family with sequence similarity 76 member B	143684	441.9360076	-0.570173374	0.588832879	-0.968311034	0.332889056	0.999371363	Not Sig
ENSG00000147059	SPIN2A	spindlin family member 2A	54466	2.61926447	-0.570088377	1.693638277	-0.336605747	0.736414124	NA	NA
ENSG00000153165	RGPD3	RANBP2-like and GRIP domain containing 3	653489	13.91304178	-0.570077596	0.803387092	-0.709592675	0.477956763	0.999371363	Not Sig
ENSG00000177426	TGIF1	TGFB induced factor homeobox 1	7050	1412.489411	-0.570042785	0.551092164	-1.03438739	0.300955097	0.999371363	Not Sig
ENSG00000095574	IKZF5	IKAROS family zinc finger 5	64376	516.9477162	-0.569942019	0.526644197	-1.082214563	0.279157199	0.999371363	Not Sig
ENSG00000222722	NA	NA	NA	3.248276865	-0.569883251	1.405776164	-0.405386907	0.685193134	NA	NA

ENSG00000256845	NA	NA	NA	17.63192291	-0.569779932	0.872896089	-0.652746575	0.513919671	0.999371363	Not Sig
ENSG00000101400	SNTA1	syntrophin alpha 1	6640	366.0023539	-0.569460853	0.68159339	-0.835484706	0.403444855	0.999371363	Not Sig
ENSG00000109381	ELF2	E74 like ETS transcription factor 2	1998	1337.173413	-0.569396703	0.476949803	-1.193829413	0.232544704	0.999371363	Not Sig
ENSG00000198388	NA	NA	NA	6.008879467	-0.569318704	1.370654813	-0.415362568	0.677876504	NA	NA
ENSG00000078747	ITCH	itchy E3 ubiquitin protein ligase	83737	2531.302526	-0.568979341	0.558365893	-1.019008052	0.308199144	0.999371363	Not Sig
ENSG00000218497	NA	NA	NA	0.895978502	-0.568751699	2.727062196	-0.208558389	0.834792997	NA	NA
ENSG00000272446	NA	NA	NA	0.895978502	-0.568751699	2.727062196	-0.208558389	0.834792997	NA	NA
ENSG00000164327	RICTOR	RPTOR independent companion of MTOR complex 2	253260	2913.17003	-0.568602229	0.677213881	-0.839619867	0.401121556	0.999371363	Not Sig
ENSG00000270024	C8orf44-SGK3	C8orf44-SGK3 readthrough	100533105	4.479128727	-0.568474226	1.41769341	-0.400985306	0.688430942	NA	NA
ENSG00000230532	NA	NA	NA	32.73739697	-0.568406815	0.611766633	-0.929123597	0.352825037	0.999371363	Not Sig
ENSG00000160117	ANKLE1	ankyrin repeat and LEM domain containing 1	126549	13.98245368	-0.568051144	1.030667734	-0.551148663	0.581531769	0.999371363	Not Sig
ENSG00000168813	ZNF507	zinc finger protein 507	22847	989.8551077	-0.567975305	0.508653032	-1.116626205	0.264154182	0.999371363	Not Sig
ENSG00000134046	MBD2	methyl-CpG binding domain protein 2	8932	1411.585716	-0.567754179	0.433456593	-1.309829377	0.190253563	0.999371363	Not Sig
ENSG00000200209	NA	NA	NA	3.193638015	-0.567594229	1.35896881	-0.417665383	0.676191785	NA	NA
ENSG00000272420	NA	NA	NA	12.36091853	-0.567199129	1.008559578	-0.562385347	0.5738535	0.999371363	Not Sig
ENSG00000180089	TMEM86B	transmembrane protein 86B	255043	130.0758677	-0.567139532	0.577017906	-0.982880299	0.325666355	0.999371363	Not Sig
ENSG00000266083	NA	NA	NA	2.99604543	-0.566922617	1.702288986	-0.333035473	0.739107507	NA	NA
ENSG00000262700	NA	NA	NA	1.990224885	-0.566911926	1.646827117	-0.344244955	0.730662077	NA	NA
ENSG00000163539	CLASP2	cytoplasmic linker associated protein 2	23122	1954.597658	-0.566764625	0.489715292	-1.157334953	0.247135538	0.999371363	Not Sig
ENSG00000181524	NA	NA	NA	5.930339176	-0.566443528	1.025298115	-0.552467151	0.580628335	NA	NA
ENSG00000153064	BANK1	B-cell scaffold protein with ankyrin repeats 1	55024	328.9953668	-0.566139755	0.60280825	-0.939170549	0.347643187	0.999371363	Not Sig
ENSG00000260490	NA	NA	NA	2.680340856	-0.56613676	1.687721706	-0.335444379	0.737289895	NA	NA
ENSG00000213923	CSNK1E	casein kinase 1 epsilon	1454	2642.728777	-0.565679478	0.570246815	-0.991990598	0.321202112	0.999371363	Not Sig
ENSG00000139116	KIF21A	kinesin family member 21A	55605	1022.166897	-0.565201597	0.590104882	-0.957798544	0.338164353	0.999371363	Not Sig
ENSG00000131373	HACL1	2-hydroxyacyl-CoA lyase 1	26061	290.8568663	-0.56513069	0.481287877	-1.174205121	0.240312875	0.999371363	Not Sig
ENSG00000255882	NA	NA	NA	2.297659513	-0.56481203	1.560793335	-0.361874963	0.717445471	NA	NA
ENSG00000233061	NA	NA	NA	18.08020818	-0.564746786	0.877678734	-0.643455018	0.519928893	0.999371363	Not Sig
ENSG00000188227	ZNF793	zinc finger protein 793	390927	247.3255938	-0.564395227	0.66041678	-0.854604613	0.392770073	0.999371363	Not Sig
ENSG00000249965	NA	NA	NA	3.170893687	-0.563793429	1.316990131	-0.428092372	0.66858387	NA	NA
ENSG00000168291	PDHB	pyruvate dehydrogenase E1 beta subunit	5162	852.8987474	-0.563725081	0.488729526	-1.15345002	0.248725721	0.999371363	Not Sig
ENSG00000240634	NA	NA	NA	4.199458559	-0.563546051	1.244662005	-0.45277035	0.650714116	NA	NA
ENSG00000259366	NA	NA	NA	111.5606016	-0.563297972	0.642356598	-0.876924085	0.380527873	0.999371363	Not Sig
ENSG00000235062	NA	NA	NA	1.63116812	-0.563101186	2.280546537	-0.246915017	0.804973995	NA	NA
ENSG00000222078	NA	NA	NA	4.776715774	-0.563012594	1.18055314	-0.476905761	0.633429229	NA	NA
ENSG00000120802	TMPO	thymopoietin	7112	1941.969457	-0.562950704	0.56165286	-1.002310758	0.316193528	0.999371363	Not Sig

ENSG00000212534	SNORD70	small nucleolar RNA, C/D box 70	692110	13.75090326	-0.562866547	1.002933766	-0.561220059	0.57464753	0.999371363	Not Sig
ENSG00000224441	NA	NA	NA	1.449467319	-0.562866228	2.311473435	-0.243509711	0.807610563	NA	NA
ENSG00000126261	UBA2	ubiquitin like modifier activating enzyme 2	10054	1567.107722	-0.562679766	0.45166664	-1.245785535	0.212843141	0.999371363	Not Sig
ENSG00000181904	C5orf24	chromosome 5 open reading frame 24	134553	1139.652994	-0.562554237	0.598066935	-0.940620863	0.346899186	0.999371363	Not Sig
ENSG00000233072	NA	NA	NA	17.77451901	-0.562460494	0.946012574	-0.594559215	0.552138149	0.999371363	Not Sig
ENSG00000255122	NA	NA	NA	7.757948151	-0.562452559	1.304219355	-0.431256105	0.666282163	0.999371363	Not Sig
ENSG00000249140	NA	NA	NA	41.30198054	-0.5622269	0.580053905	-0.96926664	0.332412169	0.999371363	Not Sig
ENSG00000267092	NA	NA	NA	1.571924144	-0.561968632	1.837634646	-0.30581086	0.759748659	NA	NA
ENSG00000203315	NA	NA	NA	4.80533881	-0.561854507	1.338815821	-0.419665273	0.674729997	NA	NA
ENSG00000264167	NA	NA	NA	20.71809492	-0.561813977	0.825980268	-0.680178449	0.496391477	0.999371363	Not Sig
ENSG00000136986	DERL1	derlin 1	79139	2025.42602	-0.561777255	0.579015689	-0.970228037	0.331932839	0.999371363	Not Sig
ENSG00000241120	NA	NA	NA	36.18522193	-0.561093977	0.663114283	-0.846149739	0.397469217	0.999371363	Not Sig
ENSG00000239060	NA	NA	NA	3.637960086	-0.56106932	1.480165362	-0.379058539	0.704644394	NA	NA
ENSG00000271011	NA	NA	NA	14.21686278	-0.560859848	0.73468667	-0.76340006	0.445224844	0.999371363	Not Sig
ENSG00000255857	PXN-AS1	PXN antisense RNA 1	100506649	60.26123729	-0.560853678	0.594642359	-0.943178145	0.34558979	0.999371363	Not Sig
ENSG00000264290	NA	NA	NA	10.86598975	-0.560806277	0.858805117	-0.65300761	0.513751373	0.999371363	Not Sig
ENSG00000145495	6-Mar	membrane associated ring-CH-type finger 6	10299	5585.483963	-0.560654422	0.551008742	-1.017505492	0.308913021	0.999371363	Not Sig
ENSG00000260948	NA	NA	NA	38.1942145	-0.560231243	0.829217418	-0.675614418	0.499285485	0.999371363	Not Sig
ENSG00000117533	VAMP4	vesicle associated membrane protein 4	8674	527.3153037	-0.560127884	0.579146441	-0.967161056	0.333463527	0.999371363	Not Sig
ENSG00000253047	NA	NA	NA	6.238887154	-0.559599703	1.199655359	-0.466467055	0.640881224	NA	NA
ENSG00000144747	TMF1	TATA element modulatory factor 1	7110	2471.67875	-0.559542882	0.574412817	-0.974112808	0.330000531	0.999371363	Not Sig
ENSG00000272529	NA	NA	NA	13.99324887	-0.559532676	0.769286822	-0.727339479	0.467018019	0.999371363	Not Sig
ENSG00000214439	NA	NA	NA	49.54616869	-0.559481137	0.620357932	-0.901868273	0.367126847	0.999371363	Not Sig
ENSG00000254184	NA	NA	NA	161.2318146	-0.559463527	0.494952736	-1.130337275	0.258334133	0.999371363	Not Sig
ENSG00000075142	SRI	sorcin	6717	1415.415803	-0.55938411	0.573088082	-0.976087495	0.329021108	0.999371363	Not Sig
ENSG00000259581	NA	NA	NA	100.6644967	-0.559335428	0.700263624	-0.798749799	0.424435505	0.999371363	Not Sig
ENSG00000108443	RPS6KB1	ribosomal protein S6 kinase B1	6198	1338.909645	-0.559122061	0.640165602	-0.873402224	0.382443879	0.999371363	Not Sig
ENSG00000225187	NA	NA	NA	32.8506876	-0.559094769	0.642073934	-0.870763847	0.383883109	0.999371363	Not Sig
ENSG00000256682	NA	NA	NA	20.2111199	-0.559091798	1.063352468	-0.525782198	0.599039545	0.999371363	Not Sig
ENSG00000264978	NA	NA	NA	7.585364973	-0.55905971	1.025338347	-0.545244125	0.585585627	0.999371363	Not Sig
ENSG00000178999	AURKB	aurora kinase B	9212	69.23259389	-0.559052052	1.003629174	-0.557030491	0.577506597	0.999371363	Not Sig
ENSG00000177669	MBOAT4	membrane bound O-acyltransferase domain containing 4	619373	1.094246384	-0.558747968	2.523684311	-0.221401689	0.824779678	NA	NA
ENSG00000180481	GLIPR1L2	GLI pathogenesis related 1 like 2	144321	15.57916695	-0.558112425	0.795700019	-0.701410596	0.483046811	0.999371363	Not Sig
ENSG00000264190	NA	NA	NA	1.549179816	-0.558070544	2.01564712	-0.27686917	0.781880567	NA	NA
ENSG00000269800	NA	NA	NA	7.294408147	-0.557323299	1.070539986	-0.520600171	0.60264533	0.999371363	Not Sig

ENSG00000250808	NA	NA	NA	2.29263938	-0.557289398	1.819757555	-0.306243761	0.759419055	NA	NA
ENSG00000185591	SP1	Sp1 transcription factor	6667	3495.401516	-0.557204373	0.449948508	-1.238373643	0.215577549	0.999371363	Not Sig
ENSG00000232857	NA	NA	NA	6.883636616	-0.557189051	1.294483288	-0.430433561	0.666880287	0.999371363	Not Sig
ENSG00000137225	CAPN11	calpain 11	11131	5.736554275	-0.55709587	1.487116806	-0.374614736	0.707947012	NA	NA
ENSG00000257169	NA	NA	NA	34.01918506	-0.556863026	0.703488647	-0.79157358	0.428609357	0.999371363	Not Sig
ENSG00000103175	WFDC1	WAP four-disulfide core domain 1	58189	338.1830474	-0.556543592	0.862500913	-0.645267249	0.518754012	0.999371363	Not Sig
ENSG00000182397	DNM1P46	dynamins 1 pseudogene 46	196968	17.62588796	-0.556533492	1.265759541	-0.439683426	0.660166408	0.999371363	Not Sig
ENSG00000252274	NA	NA	NA	10.49129597	-0.556425268	0.958842318	-0.58030946	0.561705949	0.999371363	Not Sig
ENSG00000166169	POLL	DNA polymerase lambda	27343	601.5152724	-0.556371707	0.391847941	-1.419866356	0.155646592	0.999371363	Not Sig
ENSG00000105771	SMG9	SMG9, nonsense mediated mRNA decay factor	56006	624.6611587	-0.55617759	0.44819476	-1.240928365	0.214632213	0.999371363	Not Sig
ENSG00000255471	NA	NA	NA	52.43446416	-0.555955259	0.869504283	-0.639393353	0.522567072	0.999371363	Not Sig
ENSG00000231130	NA	NA	NA	9.697215298	-0.555797164	1.146569521	-0.484747897	0.627855186	0.999371363	Not Sig
ENSG00000083937	CHMP2B	charged multivesicular body protein 2B	25978	1137.509552	-0.555729908	0.623150576	-0.891806779	0.372496508	0.999371363	Not Sig
ENSG00000111913	RIPOR2	RHO family interacting cell polarization regulator 2	9750	697.3818952	-0.555396076	0.675232135	-0.822526133	0.41077752	0.999371363	Not Sig
ENSG00000170632	ARMC10	armadillo repeat containing 10	83787	731.3045707	-0.555366134	0.525357853	-1.057119695	0.290456964	0.999371363	Not Sig
ENSG00000170165	NA	NA	NA	6.176858609	-0.555248981	1.444976255	-0.384261664	0.700784518	NA	NA
ENSG00000241868	NA	NA	NA	8.065195488	-0.555237272	1.012444452	-0.548412579	0.583408641	0.999371363	Not Sig
ENSG00000239494	NA	NA	NA	5.5696831	-0.555177292	1.122028224	-0.494797974	0.620742735	NA	NA
ENSG00000138658	ZGRF1	zinc finger GRF-type containing 1	55345	198.9066649	-0.555040204	0.66269945	-0.837544386	0.402286638	0.999371363	Not Sig
ENSG00000159674	SPON2	spondin 2	10417	853.5908939	-0.554965408	0.854911089	-0.649149853	0.516241521	0.999371363	Not Sig
ENSG00000204842	ATXN2	ataxin 2	6311	2254.568972	-0.554638557	0.5395328	-1.027997846	0.303950841	0.999371363	Not Sig
ENSG00000004766	VPS50	VPS50, EARP/GARPII complex subunit	55610	726.5864149	-0.554630073	0.569277621	-0.97426994	0.329922526	0.999371363	Not Sig
ENSG00000087884	AAMDC	adipogenesis associated Mth938 domain containing	28971	152.2104549	-0.554548449	0.649066849	-0.85437802	0.392895571	0.999371363	Not Sig
ENSG00000265349	NA	NA	NA	8.558571935	-0.554333851	1.02195498	-0.542424922	0.587525815	0.999371363	Not Sig
ENSG00000075188	NUP37	nucleoporin 37	79023	205.5736725	-0.554018749	0.593502799	-0.93347285	0.350575882	0.999371363	Not Sig
ENSG00000110057	UNC93B1	unc-93 homolog B1, TLR signaling regulator	81622	2350.497153	-0.553931539	0.507138167	-1.092269474	0.274714674	0.999371363	Not Sig
ENSG00000228874	NA	NA	NA	1.885492255	-0.55378054	2.189027154	-0.252980206	0.800283509	NA	NA
ENSG00000200090	NA	NA	NA	24.62140646	-0.553660373	0.881837639	-0.627848426	0.530103239	0.999371363	Not Sig
ENSG00000069424	KCNAB2	potassium voltage-gated channel subfamily A regulatory beta subunit 2	8514	1304.646534	-0.553351232	0.853888584	-0.648036807	0.516961144	0.999371363	Not Sig
ENSG00000242798	NA	NA	NA	21.28107732	-0.553218725	0.887914347	-0.623054157	0.533248933	0.999371363	Not Sig
ENSG00000075461	CACNG4	calcium voltage-gated channel auxiliary subunit gamma 4	27092	245.6321689	-0.553135678	0.869422276	-0.636210611	0.524639158	0.999371363	Not Sig
ENSG00000138336	TET1	tet methylcytosine dioxygenase 1	80312	465.4702287	-0.55296988	0.639153051	-0.865160355	0.386950782	0.999371363	Not Sig
ENSG00000237541	HLA-DQA1	major histocompatibility complex, class II, DQ alpha 1	3117	641.304494	-0.552525196	1.210030747	-0.45662079	0.647943633	0.999371363	Not Sig
ENSG00000237541	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2	3118	641.304494	-0.552525196	1.210030747	-0.45662079	0.647943633	0.999371363	Not Sig
ENSG00000132010	ZNF20	zinc finger protein 20	7568	12.82002	-0.552434215	0.802386393	-0.688489012	0.491144888	0.999371363	Not Sig

ENSG00000223224	SNORD71	small nucleolar RNA, C/D box 71	692111	16.84052328	-0.552385384	0.762094804	-0.724825023	0.468559382	0.999371363	Not Sig
ENSG00000241782	NA	NA	NA	6.535777229	-0.552381097	1.244206972	-0.443962387	0.657069778	NA	NA
ENSG00000252234	NA	NA	NA	6.685417599	-0.552318961	1.095836632	-0.504015786	0.614250284	0.999371363	Not Sig
ENSG00000168661	ZNF30	zinc finger protein 30	90075	91.81726394	-0.552090846	0.475529066	-1.161003366	0.245640531	0.999371363	Not Sig
ENSG00000160293	VAV2	vav guanine nucleotide exchange factor 2	7410	1318.582233	-0.551912169	0.56859608	-0.970657711	0.331718757	0.999371363	Not Sig
ENSG00000091986	CCDC80	coiled-coil domain containing 80	151887	1848.72332	-0.551758684	0.705097145	-0.782528604	0.433903982	0.999371363	Not Sig
ENSG00000196214	ZNF766	zinc finger protein 766	90321	472.9116791	-0.551309292	0.493803425	-1.116454977	0.264227432	0.999371363	Not Sig
ENSG00000172159	FRMD3	FERM domain containing 3	257019	197.5417434	-0.551154335	0.875560643	-0.629487333	0.529030059	0.999371363	Not Sig
ENSG00000140443	IGF1R	insulin like growth factor 1 receptor	3480	3849.324997	-0.551117243	0.487636544	-1.130180357	0.258400235	0.999371363	Not Sig
ENSG00000235076	NA	NA	NA	2.281352721	-0.551015429	1.575904504	-0.349650266	0.726601182	NA	NA
ENSG00000092295	TGM1	transglutaminase 1	7051	48.7051548	-0.550963952	0.761438555	-0.723582946	0.469321815	0.999371363	Not Sig
ENSG00000175029	CTBP2	C-terminal binding protein 2	1488	1951.629269	-0.55076683	0.397846678	-1.384369556	0.166245326	0.999371363	Not Sig
ENSG00000260174	NA	NA	NA	1.835873537	-0.550744387	2.560094874	-0.215126554	0.829668652	NA	NA
ENSG00000231307	NA	NA	NA	33.90155761	-0.550342867	0.690322721	-0.797225487	0.425320086	0.999371363	Not Sig
ENSG00000238437	NA	NA	NA	7.480388345	-0.550325595	0.955534589	-0.575934771	0.564659272	0.999371363	Not Sig
ENSG00000175048	ZDHHC14	zinc finger DHHC-type containing 14	79683	385.4386321	-0.550262715	0.842285574	-0.653297091	0.513564767	0.999371363	Not Sig
ENSG00000242435	NA	NA	NA	16.44166791	-0.550252081	0.835488616	-0.658599136	0.510153218	0.999371363	Not Sig
ENSG00000106351	AGFG2	ArfGAP with FG repeats 2	3268	721.2169144	-0.550023303	0.484970956	-1.134136585	0.25673726	0.999371363	Not Sig
ENSG00000174804	FZD4	frizzled class receptor 4	8322	1380.636682	-0.549964206	0.670132257	-0.820680097	0.41182851	0.999371363	Not Sig
ENSG00000239617	NA	NA	NA	1.270927051	-0.549827763	2.433649671	-0.225927244	0.821258008	NA	NA
ENSG00000237135	NA	NA	NA	51.13682453	-0.549497087	0.681704131	-0.806063894	0.420206009	0.999371363	Not Sig
ENSG00000130734	ATG4D	autophagy related 4D cysteine peptidase	84971	320.4023846	-0.54895953	0.519060674	-1.057601851	0.290236998	0.999371363	Not Sig
ENSG00000227781	NA	NA	NA	11.1988267	-0.548867122	0.914420585	-0.600234871	0.548349717	0.999371363	Not Sig
ENSG00000088038	CNOT3	CCR4-NOT transcription complex subunit 3	4849	1118.168359	-0.548722997	0.469946046	-1.167629777	0.242956134	0.999371363	Not Sig
ENSG00000076650	GPATCH1	G-patch domain containing 1	55094	331.1763629	-0.548650044	0.427012869	-1.284855993	0.198842611	0.999371363	Not Sig
ENSG00000140832	MARVELD3	MARVEL domain containing 3	91862	314.8534121	-0.548611088	0.664819199	-0.825203437	0.409256103	0.999371363	Not Sig
ENSG00000206687	NA	NA	NA	8.366066291	-0.54813107	1.152460434	-0.475618124	0.634346461	0.999371363	Not Sig
ENSG00000241413	NA	NA	NA	6.455515484	-0.547947229	1.050777233	-0.521468501	0.602040443	NA	NA
ENSG00000204103	MAFB	MAF bZIP transcription factor B	9935	1378.204921	-0.547837369	0.716070351	-0.765060818	0.44423533	0.999371363	Not Sig
ENSG00000165669	FAM204A	family with sequence similarity 204 member A	63877	670.5197059	-0.547596774	0.453333894	-1.207932566	0.227073202	0.999371363	Not Sig
ENSG00000239556	NA	NA	NA	60.13174216	-0.54734141	0.603378217	-0.907128223	0.364338995	0.999371363	Not Sig
ENSG00000260336	NA	NA	NA	946.1780895	-0.547170512	0.4592533	-1.191435122	0.233482812	0.999371363	Not Sig
ENSG00000138182	KIF20B	kinesin family member 20B	9585	368.4483239	-0.546682772	0.74195239	-0.736816512	0.46123394	0.999371363	Not Sig
ENSG00000256594	LOC374443	C-type lectin domain family 2 member D pseudogene	374443	392.4217576	-0.546592152	0.734221567	-0.744451235	0.456603533	0.999371363	Not Sig
ENSG00000006459	KDM7A	lysine demethylase 7A	80853	1898.621842	-0.546482535	0.518674163	-1.053614339	0.292059522	0.999371363	Not Sig

ENSG00000075239	ACAT1	acetyl-CoA acetyltransferase 1	38	728.0103449	-0.546283934	0.690017967	-0.79169523	0.428538404	0.999371363	Not Sig
ENSG00000184661	CDCA2	cell division cycle associated 2	157313	78.81007802	-0.546117387	0.864633462	-0.631617224	0.527637029	0.999371363	Not Sig
ENSG00000121895	TMEM156	transmembrane protein 156	80008	122.3193523	-0.546040356	1.126151396	-0.484872956	0.627766468	0.999371363	Not Sig
ENSG00000140274	DUOXA2	dual oxidase maturation factor 2	405753	0.80270354	-0.545958117	2.782461781	-0.196214058	0.844442625	NA	NA
ENSG00000180999	C1orf105	chromosome 1 open reading frame 105	92346	0.80270354	-0.545958117	2.782461781	-0.196214058	0.844442625	NA	NA
ENSG00000234577	NA	NA	NA	0.80270354	-0.545958117	2.782461781	-0.196214058	0.844442625	NA	NA
ENSG00000241735	FABP5P3	fatty acid binding protein 5 pseudogene 3	220832	0.80270354	-0.545958117	2.782461781	-0.196214058	0.844442625	NA	NA
ENSG00000249539	NA	NA	NA	0.80270354	-0.545958117	2.782461781	-0.196214058	0.844442625	NA	NA
ENSG00000238887	NA	NA	NA	1.616693738	-0.545857829	2.249094913	-0.242701109	0.808236948	NA	NA
ENSG00000144868	TMEM108	transmembrane protein 108	66000	245.276306	-0.545422464	0.739908408	-0.737148623	0.461031973	0.999371363	Not Sig
ENSG00000184925	LCN12	lipocalin 12	286256	46.31168688	-0.545355545	0.715499192	-0.762202748	0.445939006	0.999371363	Not Sig
ENSG00000010318	PHF7	PHD finger protein 7	51533	125.6817831	-0.545260312	0.497283511	-1.096477764	0.272869749	0.999371363	Not Sig
ENSG00000198839	ZNF277	zinc finger protein 277	11179	473.9171367	-0.545216208	0.44819464	-1.216471949	0.22380519	0.999371363	Not Sig
ENSG00000116883	NA	NA	NA	72.90091341	-0.545074877	0.70260081	-0.77579597	0.437869464	0.999371363	Not Sig
ENSG00000130427	EPO	erythropoietin	2056	1.071502056	-0.545013707	2.491692831	-0.218732301	0.826858586	NA	NA
ENSG00000259843	NA	NA	NA	1.071502056	-0.545013707	2.491692831	-0.218732301	0.826858586	NA	NA
ENSG00000231414	NA	NA	NA	2.199364418	-0.544950957	1.793143286	-0.303908205	0.761197827	NA	NA
ENSG00000112787	FBRSL1	fibrosin like 1	57666	1886.017857	-0.544876413	0.470016292	-1.158845816	0.246519038	0.999371363	Not Sig
ENSG00000235272	NA	NA	NA	18.82999653	-0.544639967	0.758522014	-0.718027898	0.472740086	0.999371363	Not Sig
ENSG00000151422	FER	FER tyrosine kinase	2241	1078.934681	-0.54456318	0.557133245	-0.977437956	0.32835238	0.999371363	Not Sig
ENSG00000002586	CD99	CD99 molecule (Xg blood group)	4267	3080.673552	-0.544416942	0.565163564	-0.963290941	0.335401538	0.999371363	Not Sig
ENSG00000197882	NA	NA	NA	2.119999496	-0.544338561	2.151858382	-0.252962075	0.80029752	NA	NA
ENSG00000254608	NA	NA	NA	63.57909804	-0.544255378	0.6246541	-0.871290812	0.383595386	0.999371363	Not Sig
ENSG00000214189	ZNF788	zinc finger family member 788	388507	13.07179266	-0.544175717	0.838797062	-0.6487573	0.516495261	0.999371363	Not Sig
ENSG00000116918	TSNAX	translin associated factor X	7257	640.3348731	-0.543992626	0.647952116	-0.839556832	0.401156912	0.999371363	Not Sig
ENSG00000226761	TAS2R46	taste 2 receptor member 46	259292	29.43062583	-0.543939138	0.836730817	-0.650076616	0.515642733	0.999371363	Not Sig
ENSG00000188783	PRELP	proline and arginine rich end leucine rich repeat protein	5549	2519.337842	-0.543552553	0.764593931	-0.710903567	0.477143995	0.999371363	Not Sig
ENSG00000256188	TAS2R30	taste 2 receptor member 30	259293	125.1888132	-0.543423165	0.84866117	-0.64032995	0.521958113	0.999371363	Not Sig
ENSG00000230951	NA	NA	NA	1.924128366	-0.543415288	1.725871636	-0.314864256	0.752864722	NA	NA
ENSG00000243648	NA	NA	NA	1.475632469	-0.543225849	2.755673166	-0.197129999	0.843725808	NA	NA
ENSG00000120756	PLS1	plastin 1	5357	1478.676495	-0.543035022	0.798630445	-0.679957827	0.496531165	0.999371363	Not Sig
ENSG00000243244	STON1	stonin 1	11037	241.6608964	-0.542878803	0.472769662	-1.148294499	0.250847009	0.999371363	Not Sig
ENSG00000120675	DNAJC15	DnaJ heat shock protein family (Hsp40) member C15	29103	551.1590101	-0.542866688	0.697829114	-0.777936428	0.436606492	0.999371363	Not Sig
ENSG00000237683	NA	NA	NA	256.7751283	-0.542376679	0.653228459	-0.830301668	0.406368245	0.999371363	Not Sig
ENSG00000107758	PPP3CB	protein phosphatase 3 catalytic subunit beta	5532	1242.394994	-0.542066563	0.485805272	-1.115810376	0.264503311	0.999371363	Not Sig

ENSG00000136828	RALGPS1	Ral GEF with PH domain and SH3 binding motif 1	9649	613.8547144	-0.541964036	0.454915657	-1.19135059	0.233515981	0.999371363	Not Sig
ENSG00000111247	RAD51AP1	RAD51 associated protein 1	10635	102.0208707	-0.54194679	0.993902223	-0.545271735	0.585566641	0.999371363	Not Sig
ENSG00000148842	CNNM2	cyclin and CBS domain divalent metal cation transport mediator 2	54805	618.1860818	-0.541785052	0.543929764	-0.996057007	0.319222448	0.999371363	Not Sig
ENSG00000242398	NA	NA	NA	32.05625179	-0.541725031	0.726748389	-0.745409332	0.456024304	0.999371363	Not Sig
ENSG00000102786	INTS6	integrator complex subunit 6	26512	1296.109588	-0.54160702	0.522456516	-1.036654732	0.299896796	0.999371363	Not Sig
ENSG00000196597	ZNF782	zinc finger protein 782	158431	330.9276756	-0.541572566	0.531428087	-1.019089091	0.308160673	0.999371363	Not Sig
ENSG00000138286	FAM149B1	family with sequence similarity 149 member B1	317662	453.0662697	-0.541451095	0.475155803	-1.139523272	0.254484967	0.999371363	Not Sig
ENSG00000101751	POLI	DNA polymerase iota	11201	739.9045088	-0.541265373	0.575058175	-0.941235854	0.346584007	0.999371363	Not Sig
ENSG00000112877	CEP72	centrosomal protein 72	55722	326.0719692	-0.541032227	0.552493948	-0.979254577	0.327454208	0.999371363	Not Sig
ENSG00000268375	NA	NA	NA	3.436260484	-0.540816002	1.305278021	-0.414330122	0.678632357	NA	NA
ENSG00000257307	NA	NA	NA	2.704087579	-0.540624285	1.46576464	-0.368834306	0.712251232	NA	NA
ENSG00000183808	RBM12B	RNA binding motif protein 12B	389677	1721.611304	-0.540532834	0.564413081	-0.957690125	0.338219038	0.999371363	Not Sig
ENSG00000168137	SETD5	SET domain containing 5	55209	4906.579771	-0.540433634	0.592006723	-0.912884284	0.361303404	0.999371363	Not Sig
ENSG00000226742	HSBP1L1	heat shock factor binding protein 1 like 1	440498	374.6490918	-0.540305367	0.533861086	-1.012071081	0.311504068	0.999371363	Not Sig
ENSG00000259924	NA	NA	NA	101.9887206	-0.54015697	0.83539931	-0.646585368	0.517900331	0.999371363	Not Sig
ENSG00000249240	NA	NA	NA	4.254966763	-0.539874038	1.295955292	-0.416583845	0.676982828	NA	NA
ENSG00000175895	PLEKHF2	pleckstrin homology and FYVE domain containing 2	79666	669.4623539	-0.5398734	0.453079336	-1.191564826	0.233431924	0.999371363	Not Sig
ENSG00000175106	TVP23C	trans-golgi network vesicle protein 23 homolog C	201158	370.015134	-0.539824813	0.688517637	-0.784039194	0.433017113	0.999371363	Not Sig
ENSG00000225092	NA	NA	NA	102.0687165	-0.539748766	0.675646554	-0.798862604	0.424370085	0.999371363	Not Sig
ENSG00000073417	PDE8A	phosphodiesterase 8A	5151	1365.35593	-0.539712326	0.494652739	-1.091093374	0.275231798	0.999371363	Not Sig
ENSG00000004799	PK4	pyruvate dehydrogenase kinase 4	5166	1175.878121	-0.539675326	0.832058067	-0.648602961	0.516595041	0.999371363	Not Sig
ENSG00000214871	NA	NA	NA	3.049854265	-0.53956257	1.485937937	-0.363112454	0.716520882	NA	NA
ENSG00000165416	SUGT1	SGT1 homolog, MIS12 kinetochore complex assembly co-chaperone	10910	1468.907513	-0.539351496	0.537301486	-1.00381538	0.31546761	0.999371363	Not Sig
ENSG00000205323	SARNP	SAP domain containing ribonucleoprotein	84324	91.49013619	-0.539257078	0.650081665	-0.829522054	0.406809063	0.999371363	Not Sig
ENSG00000252908	NA	NA	NA	6.715989675	-0.539138402	1.737545852	-0.310287295	0.756342492	0.999371363	Not Sig
ENSG00000206941	SNORD15A	small nucleolar RNA, C/D box 15A	6079	1.516981241	-0.539069535	2.0185985	-0.26705139	0.789429594	NA	NA
ENSG00000178015	GPR150	G protein-coupled receptor 150	285601	12.24431253	-0.538278962	1.124772522	-0.478566956	0.632246731	0.999371363	Not Sig
ENSG00000253372	NA	NA	NA	150.4634728	-0.538247094	0.690511121	-0.77949084	0.435690631	0.999371363	Not Sig
ENSG00000143494	VASH2	vasohibin 2	79805	112.3257408	-0.538124018	0.914860427	-0.588203405	0.556395772	0.999371363	Not Sig
ENSG00000262576	PCDHGA4	protocadherin gamma subfamily A, 4	56111	100.0125894	-0.537913989	0.737664031	-0.729212713	0.465871556	0.999371363	Not Sig
ENSG00000272750	NA	NA	NA	27.32561687	-0.537842002	0.732428112	-0.73432736	0.462749247	0.999371363	Not Sig
ENSG00000110931	CAMKK2	calcium/calmodulin dependent protein kinase kinase 2	10645	1459.760604	-0.537769038	0.473982613	-1.134575454	0.256553243	0.999371363	Not Sig
ENSG00000141084	RANBP10	RAN binding protein 10	57610	811.7027717	-0.53769538	0.464146114	-1.158461448	0.246675776	0.999371363	Not Sig
ENSG00000175463	TBC1D10C	TBC1 domain family member 10C	374403	334.7260263	-0.53766806	0.928773023	-0.578901461	0.562655664	0.999371363	Not Sig
ENSG00000254450	NA	NA	NA	10.12005158	-0.537548423	1.001934979	-0.536510287	0.591605928	0.999371363	Not Sig

ENSG00000258546	NA	NA	NA	1.46234239	-0.537440795	2.309759814	-0.232682546	0.816007923	NA	NA
ENSG00000163069	SGCB	sarcoglycan beta	6443	525.335907	-0.537361183	0.507824305	-1.058163577	0.289980873	0.999371363	Not Sig
ENSG00000164404	GDF9	growth differentiation factor 9	2661	8.774138106	-0.537226697	1.021941965	-0.525691982	0.599102236	0.999371363	Not Sig
ENSG00000177169	ULK1	unc-51 like autophagy activating kinase 1	8408	1595.254022	-0.537062835	0.50961469	-1.053860584	0.291946751	0.999371363	Not Sig
ENSG00000072756	TRNT1	tRNA nucleotidyl transferase 1	51095	537.7998581	-0.537055411	0.580363284	-0.925377994	0.354769321	0.999371363	Not Sig
ENSG00000184716	SERINC4	serine incorporator 4	619189	2.425834813	-0.537035234	1.518360565	-0.35369414	0.723568115	NA	NA
ENSG00000143674	MAP3K21	mitogen-activated protein kinase kinase kinase 21	84451	580.8110736	-0.536805286	0.58204082	-0.922281166	0.356381936	0.999371363	Not Sig
ENSG00000171606	ZNF274	zinc finger protein 274	10782	754.2878167	-0.536604666	0.493471393	-1.087407849	0.276856604	0.999371363	Not Sig
ENSG00000164221	CCDC112	coiled-coil domain containing 112	153733	210.8418277	-0.536446893	0.63617462	-0.843238439	0.399095105	0.999371363	Not Sig
ENSG00000144134	RABL2A	RAB, member of RAS oncogene family like 2A	11159	346.2923035	-0.536023402	0.482878358	-1.110058866	0.266973661	0.999371363	Not Sig
ENSG00000105379	ETFB	electron transfer flavoprotein beta subunit	2109	322.3934012	-0.535902245	0.531652513	-1.007993438	0.313457613	0.999371363	Not Sig
ENSG00000077279	DCX	doublecortin	1641	2.755709716	-0.535886225	1.963992652	-0.272855514	0.784964284	NA	NA
ENSG00000251102	NA	NA	NA	1.148470227	-0.535796905	2.194592751	-0.244144115	0.807119207	NA	NA
ENSG00000267112	NA	NA	NA	1.148470227	-0.535796905	2.194592751	-0.244144115	0.807119207	NA	NA
ENSG00000207235	NA	NA	NA	1.89192979	-0.53572384	1.910168436	-0.280458953	0.779125413	NA	NA
ENSG00000189266	PNRC2	proline rich nuclear receptor coactivator 2	55629	206.6032253	-0.535632256	0.795775797	-0.673094429	0.500887218	0.999371363	Not Sig
ENSG00000169087	HSPBAP1	HSPB1 associated protein 1	79663	281.8851048	-0.535299777	0.521953961	-1.025568953	0.305094808	0.999371363	Not Sig
ENSG00000136897	MRPL50	mitochondrial ribosomal protein L50	54534	330.4399635	-0.535118247	0.567396254	-0.943112056	0.34562359	0.999371363	Not Sig
ENSG00000124596	OARD1	0-acyl-ADP-ribose deacylase 1	221443	652.3940238	-0.5350575229	0.596112716	-0.897607474	0.369394853	0.999371363	Not Sig
ENSG00000102387	TAF7L	TATA-box binding protein associated factor 7 like	54457	1.937003437	-0.53491772	1.975518122	-0.270773381	0.786565335	NA	NA
ENSG00000123552	USP45	ubiquitin specific peptidase 45	85015	399.1354731	-0.534659782	0.606382625	-0.881720154	0.377928159	0.999371363	Not Sig
ENSG00000213782	DDX47	DEAD-box helicase 47	51202	108.8065907	-0.53451586	0.846263434	-0.631618759	0.527636025	0.999371363	Not Sig
ENSG00000243317	STMP1	short transmembrane mitochondrial protein 1	647087	514.2350623	-0.534433213	0.592936489	-0.901332981	0.367411303	0.999371363	Not Sig
ENSG00000268927	NA	NA	NA	27.31113854	-0.534375504	1.048844909	-0.509489534	0.610409133	0.999371363	Not Sig
ENSG00000105865	DUS4L	dihydrouridine synthase 4 like	11062	153.2153655	-0.534220946	0.618734353	-0.863409221	0.387912511	0.999371363	Not Sig
ENSG00000082684	SEMA5B	semaphorin 5B	54437	48.01606823	-0.534118869	0.78858315	-0.677314585	0.498206379	0.999371363	Not Sig
ENSG00000243000	NA	NA	NA	9.121499958	-0.534035007	1.736575006	-0.307521993	0.758446086	0.999371363	Not Sig
ENSG00000261490	NA	NA	NA	80.31961612	-0.533997634	0.591473554	-0.902825884	0.366618312	0.999371363	Not Sig
ENSG00000232531	NA	NA	NA	1.177652089	-0.533778462	2.18870324	-0.243878865	0.807324638	NA	NA
ENSG00000231312	LOC728730	uncharacterized LOC728730	728730	178.3828606	-0.533651612	0.518621604	-1.028980682	0.303488753	0.999371363	Not Sig
ENSG00000108175	ZMIZ1	zinc finger MIZ-type containing 1	57178	4418.090422	-0.533528303	0.62295473	-0.856447953	0.39175005	0.999371363	Not Sig
ENSG00000105204	DYRK1B	dual specificity tyrosine phosphorylation regulated kinase 1B	9149	428.1636056	-0.533470732	0.71185738	-0.749406759	0.453612078	0.999371363	Not Sig
ENSG00000197841	ZNF181	zinc finger protein 181	339318	232.0502845	-0.533224788	0.436386158	-1.221910407	0.221741509	0.999371363	Not Sig
ENSG00000233860	NA	NA	NA	2.624102695	-0.533186327	1.486491061	-0.35868788	0.719828596	NA	NA
ENSG00000100526	CDKN3	cyclin dependent kinase inhibitor 3	1033	38.31678063	-0.532864933	1.084409475	-0.491387197	0.623152618	0.999371363	Not Sig

ENSG00000069493	CLEC2D	C-type lectin domain family 2 member D	29121	637.4998058	-0.53276091	0.788589548	-0.675587081	0.499302846	0.999371363	Not Sig
ENSG00000150477	KIAA1328	KIAA1328	57536	437.1963137	-0.532755194	0.404867792	-1.315874477	0.188216177	0.999371363	Not Sig
ENSG00000168300	PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	115294	2593.477334	-0.532666816	0.658260892	-0.809203194	0.418398278	0.999371363	Not Sig
ENSG00000268387	NA	NA	NA	2.683346671	-0.532636424	1.694649659	-0.314304742	0.753289597	NA	NA
ENSG00000101425	BPI	bactericidal/permeability-increasing protein	671	10.49016163	-0.532326938	1.123323845	-0.47388555	0.635581524	0.999371363	Not Sig
ENSG00000101425	LOC149684	uncharacterized LOC149684	149684	10.49016163	-0.532326938	1.123323845	-0.47388555	0.635581524	0.999371363	Not Sig
ENSG00000180011	ZADH2	zinc binding alcohol dehydrogenase domain containing 2	284273	1073.359682	-0.532244441	0.391399801	-1.359848523	0.173877864	0.999371363	Not Sig
ENSG00000164066	INTU	inturned planar cell polarity protein	27152	716.8623835	-0.532070393	0.540783246	-0.983888456	0.32517036	0.999371363	Not Sig
ENSG00000108582	CPD	carboxypeptidase D	1362	5732.532059	-0.531960528	0.628588636	-0.846277673	0.39739786	0.999371363	Not Sig
ENSG00000173915	USMG5	up-regulated during skeletal muscle growth 5 homolog (mouse)	84833	383.8021168	-0.53153417	0.736641324	-0.721564421	0.47056232	0.999371363	Not Sig
ENSG00000210107	NA	NA	NA	7.430958965	-0.531403541	1.053787519	-0.504279592	0.614064916	0.999371363	Not Sig
ENSG00000111344	RASAL1	RAS protein activator like 1	8437	198.004484	-0.53133087	0.927798879	-0.572678931	0.566862105	0.999371363	Not Sig
ENSG00000121022	COPS5	COP9 signalosome subunit 5	10987	797.9305379	-0.530958932	0.473270151	-1.121893977	0.261907522	0.999371363	Not Sig
ENSG00000015153	YAF2	YY1 associated factor 2	10138	478.6026397	-0.530724806	0.578378258	-0.9176085	0.358823866	0.999371363	Not Sig
ENSG00000265112	MIR3153	microRNA 3153	100422936	8.034393597	-0.530562486	1.171364521	-0.452943961	0.650589094	0.999371363	Not Sig
ENSG00000269343	ZNF587B	zinc finger protein 587B	100293516	543.3866637	-0.530530793	0.554482907	-0.95680279	0.338666804	0.999371363	Not Sig
ENSG00000213860	NA	NA	NA	5.015906523	-0.530483332	1.192003944	-0.44503488	0.656294548	NA	NA
ENSG00000256448	NA	NA	NA	14.91184542	-0.530370772	0.845163711	-0.627536139	0.530307854	0.999371363	Not Sig
ENSG00000203602	NA	NA	NA	12.66333938	-0.53007292	0.823458965	-0.64371504	0.519760235	0.999371363	Not Sig
ENSG00000115507	OTX1	orthodenticle homeobox 1	5013	74.85448748	-0.53005694	0.865993378	-0.612079669	0.540485048	0.999371363	Not Sig
ENSG00000263220	NA	NA	NA	3.085473664	-0.529960155	1.383061832	-0.383178931	0.701587099	NA	NA
ENSG00000199664	NA	NA	NA	2.588068289	-0.529893098	1.726205309	-0.306969916	0.758866271	NA	NA
ENSG00000163558	PRKCI	protein kinase C iota	5584	2140.025932	-0.529718404	0.686555043	-0.771559992	0.440375078	0.999371363	Not Sig
ENSG00000229728	NA	NA	NA	21.56143657	-0.529656126	0.850473418	-0.62277799	0.533430424	0.999371363	Not Sig
ENSG00000231760	NA	NA	NA	8.301359704	-0.529578616	1.118197899	-0.473600081	0.635785118	0.999371363	Not Sig
ENSG00000075218	GTSE1	G2 and S-phase expressed 1	51512	116.4902877	-0.529180036	1.001431702	-0.528423491	0.597205437	0.999371363	Not Sig
ENSG00000227267	NA	NA	NA	8.457991335	-0.529047121	1.201236286	-0.440418864	0.659633765	0.999371363	Not Sig
ENSG00000237788	NA	NA	NA	49.03114624	-0.529008953	0.668982814	-0.790766134	0.429080476	0.999371363	Not Sig
ENSG00000232282	NA	NA	NA	13.13700478	-0.528813723	1.300277688	-0.406692915	0.684233545	0.999371363	Not Sig
ENSG00000250860	NA	NA	NA	1.077939592	-0.528651095	2.489587635	-0.212344843	0.831838014	NA	NA
ENSG00000177736	NA	NA	NA	13.05773868	-0.528424579	0.76307916	-0.692489859	0.488629752	0.999371363	Not Sig
ENSG00000260936	NA	NA	NA	71.37345857	-0.528414475	0.574224841	-0.920222249	0.35745663	0.999371363	Not Sig
ENSG00000228782	NA	NA	NA	135.5116869	-0.528403828	0.668981821	-0.789862761	0.429607921	0.999371363	Not Sig
ENSG00000184068	NA	NA	NA	7.419672306	-0.528352596	1.010809795	-0.522702291	0.601181444	0.999371363	Not Sig
ENSG00000242175	NA	NA	NA	13.71596688	-0.528260359	0.911413917	-0.579605325	0.562180801	0.999371363	Not Sig

ENSG00000237330	RNF223	ring finger protein 223	401934	38.79265791	-0.52807639	0.862709504	-0.612113797	0.54046247	0.999371363	Not Sig
ENSG00000207029	NA	NA	NA	2.287486205	-0.527946094	1.786522649	-0.295516037	0.767599703	NA	NA
ENSG00000146963	LUC7L2	LUC7 like 2, pre-mRNA splicing factor	51631	958.3818256	-0.527909433	0.506534063	-1.042199274	0.297319299	0.999371363	Not Sig
ENSG00000186522	10-Sep	septin 10	151011	1609.8404	-0.527629385	0.554716809	-0.951168915	0.341518636	0.999371363	Not Sig
ENSG00000110172	CHORDC1	cysteine and histidine rich domain containing 1	26973	1053.2741	-0.52713895	0.638822945	-0.825172224	0.40927382	0.999371363	Not Sig
ENSG00000155970	MICU3	mitochondrial calcium uptake family member 3	286097	146.2035966	-0.527091582	0.638636986	-0.825338327	0.409179538	0.999371363	Not Sig
ENSG00000170949	ZNF160	zinc finger protein 160	90338	1020.724436	-0.526524782	0.444684093	-1.184042311	0.236396315	0.999371363	Not Sig
ENSG00000119878	CRIP1	CXXC repeat containing interactor of PDZ3 domain	9419	335.6654379	-0.526367531	0.614854651	-0.856084491	0.391951047	0.999371363	Not Sig
ENSG00000221540	MIR1180	microRNA 1180	100302256	5.395289188	-0.526348411	1.07676534	-0.488823694	0.624966522	NA	NA
ENSG00000123178	SPRYD7	SPRY domain containing 7	57213	193.6059354	-0.526243292	0.604642124	-0.870338455	0.38411547	0.999371363	Not Sig
ENSG00000106397	PLOD3	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	8985	1186.524368	-0.526237448	0.513776106	-1.024254422	0.30571512	0.999371363	Not Sig
ENSG00000253893	NA	NA	NA	10.61117523	-0.526208651	0.970480925	-0.542214316	0.587670874	0.999371363	Not Sig
ENSG00000151657	KIN	Kin17 DNA and RNA binding protein	22944	394.7980581	-0.525860121	0.483889469	-1.086736031	0.277153485	0.999371363	Not Sig
ENSG00000251474	RPL32P3	ribosomal protein L32 pseudogene 3	132241	432.7443279	-0.525818983	0.417379722	-1.259809604	0.207738054	0.999371363	Not Sig
ENSG00000242352	NA	NA	NA	2.892486205	-0.525723235	1.591057352	-0.330423812	0.741079752	NA	NA
ENSG00000138623	SEMA7A	semaphorin 7A (John Milton Hagen blood group)	8482	341.2387447	-0.525624285	0.689827315	-0.761965022	0.446080881	0.999371363	Not Sig
ENSG00000111647	UHRF1BP1L	UHRF1 binding protein 1 like	23074	882.7571502	-0.525567779	0.514302405	-1.021904183	0.306826253	0.999371363	Not Sig
ENSG00000247240	UBL7-AS1	UBL7 antisense RNA 1 (head to head)	440288	63.72797046	-0.525500264	0.529560062	-0.992333641	0.321034798	0.999371363	Not Sig
ENSG00000225083	NA	NA	NA	3.424973825	-0.525384462	1.914927983	-0.274362517	0.783806045	NA	NA
ENSG00000251405	LOC102724404	uncharacterized LOC102724404	102724404	3.917055014	-0.525294442	1.282368111	-0.409628435	0.682078535	NA	NA
ENSG00000249249	NA	NA	NA	17.63708312	-0.525142202	0.81088188	-0.647618618	0.517231652	0.999371363	Not Sig
ENSG00000235655	NA	NA	NA	615.0770722	-0.524647302	0.745397509	-0.703849014	0.481526806	0.999371363	Not Sig
ENSG00000063169	BICRA	BRD4 interacting chromatin remodeling complex associated protein	29998	842.8351692	-0.524646424	0.548088489	-0.957229416	0.338451473	0.999371363	Not Sig
ENSG00000265932	MIR3146	microRNA 3146	100422967	4.605875727	-0.524637309	1.217741512	-0.430828139	0.666593338	NA	NA
ENSG00000074590	NUAK1	NUAK family kinase 1	9891	807.3516278	-0.524622756	0.519255396	-1.010336648	0.312334029	0.999371363	Not Sig
ENSG00000100979	PLTP	phospholipid transfer protein	5360	1234.10155	-0.524410335	0.413226761	-1.269061891	0.204418991	0.999371363	Not Sig
ENSG00000006025	OSBPL7	oxysterol binding protein like 7	114881	406.5172061	-0.524255776	0.455379621	-1.151249972	0.249629412	0.999371363	Not Sig
ENSG00000118007	STAG1	stromal antigen 1	10274	2007.479209	-0.524078883	0.484982575	-1.080613839	0.279868924	0.999371363	Not Sig
ENSG00000101558	VAPA	VAMP associated protein A	9218	4180.113649	-0.523986598	0.538392488	-0.973242772	0.330432658	0.999371363	Not Sig
ENSG00000122477	LRRC39	leucine rich repeat containing 39	127495	22.17973713	-0.523956443	0.817749338	-0.640729889	0.521698192	0.999371363	Not Sig
ENSG00000205500	NA	NA	NA	2.509240519	-0.52204166	1.731370285	-0.30151936	0.76301849	NA	NA
ENSG00000083857	FAT1	FAT atypical cadherin 1	2195	8270.165565	-0.521577502	0.66865824	-0.780036004	0.435369683	0.999371363	Not Sig
ENSG00000269378	NA	NA	NA	24.94472942	-0.521187163	0.667863476	-0.780379795	0.435167357	0.999371363	Not Sig
ENSG00000136891	TEX10	testis expressed 10	54881	420.5683173	-0.521171664	0.513961331	-1.014028941	0.310568943	0.999371363	Not Sig
ENSG00000238918	NA	NA	NA	3.992866071	-0.521098129	1.325212774	-0.393218462	0.694158135	NA	NA

ENSG00000217027	NA	NA	NA	5.121752504	-0.521071533	1.174977112	-0.443473773	0.657423086	NA	NA
ENSG00000165659	NA	NA	NA	246.039309	-0.521071218	0.918978232	-0.567011492	0.570706374	0.999371363	Not Sig
ENSG00000151806	GUF1	GUF1 homolog, GTPase	60558	669.1546292	-0.521026784	0.556557071	-0.936160568	0.349190522	0.999371363	Not Sig
ENSG00000159069	FBXW5	F-box and WD repeat domain containing 5	54461	2240.593625	-0.520975632	0.537111226	-0.969958561	0.332067148	0.999371363	Not Sig
ENSG00000182685	BRICD5	BRICHOS domain containing 5	283870	84.18009023	-0.520915635	0.674130198	-0.772722594	0.439686572	0.999371363	Not Sig
ENSG00000116668	SWT1	SWT1, RNA endoribonuclease homolog	54823	320.4714137	-0.520872618	0.593757555	-0.877247984	0.380351959	0.999371363	Not Sig
ENSG00000164754	RAD21	RAD21 cohesin complex component	5885	3994.875283	-0.520441705	0.537470533	-0.968316722	0.332886216	0.999371363	Not Sig
ENSG00000100490	CDKL1	cyclin dependent kinase like 1	8814	235.999354	-0.520355973	0.550262075	-0.945651167	0.344326537	0.999371363	Not Sig
ENSG00000239014	SNORD108	small nucleolar RNA, C/D box 108	338427	80.43585179	-0.520237389	0.616947127	-0.84324469	0.399091609	0.999371363	Not Sig
ENSG00000265306	MIR3195	microRNA 3195	100422838	2.52397519	-0.520150031	1.749674299	-0.297283918	0.766249758	NA	NA
ENSG00000147316	MCPH1	microcephalin 1	79648	667.4264959	-0.520075355	0.512753557	-1.01427937	0.310449465	0.999371363	Not Sig
ENSG00000225806	NA	NA	NA	17.13201271	-0.51995202	0.874161895	-0.5948006	0.551976767	0.999371363	Not Sig
ENSG00000104643	MTMR9	myotubularin related protein 9	66036	620.2468776	-0.51986162	0.516034868	-1.007415685	0.313735057	0.999371363	Not Sig
ENSG00000165406	8-Mar	membrane associated ring-CH-type finger 8	220972	1126.055406	-0.519608757	0.5008043	-1.037548514	0.299480298	0.999371363	Not Sig
ENSG00000254452	NA	NA	NA	2.149026641	-0.519512339	2.137654765	-0.243029112	0.807982845	NA	NA
ENSG00000152926	ZNF117	zinc finger protein 117	51351	1526.863704	-0.519406848	0.844457538	-0.61507752	0.538503527	0.999371363	Not Sig
ENSG00000152926	ERV3-1-ZNF117	ERV3-1-ZNF117 readthrough	109504726	1526.863704	-0.519406848	0.844457538	-0.61507752	0.538503527	0.999371363	Not Sig
ENSG00000159840	ZYX	zyxin	7791	4505.917523	-0.519376172	0.662925277	-0.783461108	0.433356384	0.999371363	Not Sig
ENSG00000252130	NA	NA	NA	24.19266689	-0.519299714	1.007690488	-0.515336525	0.60631788	0.999371363	Not Sig
ENSG00000176909	MAMSTR	MEF2 activating motif and SAP domain containing transcriptional regulator	284358	37.51229289	-0.519173061	0.736674114	-0.704752686	0.480964158	0.999371363	Not Sig
ENSG00000212127	TAS2R14	taste 2 receptor member 14	50840	78.05797078	-0.51916712	0.815613179	-0.636535963	0.524427148	0.999371363	Not Sig
ENSG00000211855	NA	NA	NA	3.837070131	-0.518969484	1.594668202	-0.325440417	0.744847771	NA	NA
ENSG00000172766	NAA16	N(alpha)-acetyltransferase 16, NatA auxiliary subunit	79612	612.6180846	-0.518885667	0.586445864	-0.884797215	0.376266012	0.999371363	Not Sig
ENSG00000234545	FAM133B	family with sequence similarity 133 member B	257415	417.7804776	-0.518498459	0.576249481	-0.899781217	0.368236692	0.999371363	Not Sig
ENSG00000139645	ANKRD52	ankyrin repeat domain 52	283373	1616.55042	-0.518367034	0.402406049	-1.28816909	0.197687109	0.999371363	Not Sig
ENSG00000166508	MCM7	minichromosome maintenance complex component 7	4176	1240.425436	-0.51825249	0.551024665	-0.940525032	0.346948316	0.999371363	Not Sig
ENSG00000254614	LOC728975	uncharacterized LOC728975	728975	58.53876303	-0.518175939	0.798446846	-0.648979881	0.51635138	0.999371363	Not Sig
ENSG00000164975	SNAPC3	small nuclear RNA activating complex polypeptide 3	6619	786.6933908	-0.51808509	0.47737448	-1.085280241	0.277797555	0.999371363	Not Sig
ENSG00000101596	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1	23347	3990.715865	-0.518027975	0.555643098	-0.932303446	0.351179727	0.999371363	Not Sig
ENSG00000131037	EPS8L1	EPS8 like 1	54869	714.4815599	-0.517839668	0.609288706	-0.84990853	0.395375943	0.999371363	Not Sig
ENSG00000187164	SHTN1	shootin 1	57698	1520.34606	-0.517717199	0.534498697	-0.968603294	0.332743159	0.999371363	Not Sig
ENSG00000232450	NA	NA	NA	17.69904317	-0.517695334	0.972370557	-0.532405399	0.594445247	0.999371363	Not Sig
ENSG00000221829	FANCG	Fanconi anemia complementation group G	2189	220.1893799	-0.517387458	0.539265294	-0.959430292	0.337342021	0.999371363	Not Sig
ENSG00000166436	TRIM66	tripartite motif containing 66	9866	724.8972946	-0.517363746	0.640611405	-0.807609328	0.419315515	0.999371363	Not Sig
ENSG00000120306	CYSTM1	cysteine rich transmembrane module containing 1	84418	701.5315974	-0.517137691	0.582832004	-0.887284308	0.374925852	0.999371363	Not Sig

ENSG00000243297	NA	NA	NA	1.500674449	-0.517127526	2.019987343	-0.25600533	0.797946722	NA	NA
ENSG00000104408	EIF3E	eukaryotic translation initiation factor 3 subunit E	3646	3525.045138	-0.517108215	0.568112135	-0.910222091	0.362705396	0.999371363	Not Sig
ENSG00000141646	SMAD4	SMAD family member 4	4089	2213.86241	-0.516590001	0.460519722	-1.121754349	0.261966901	0.999371363	Not Sig
ENSG00000261136	LOC105370941	uncharacterized LOC105370941	105370941	17.08323048	-0.516543629	0.707620046	-0.729973144	0.465406601	0.999371363	Not Sig
ENSG00000136603	SKIL	SKI like proto-oncogene	6498	5272.70223	-0.516447154	0.742223907	-0.695810455	0.486547541	0.999371363	Not Sig
ENSG00000133063	CHIT1	chitinase 1	1118	1276.837072	-0.516213069	1.240629272	-0.416089706	0.677344362	0.999371363	Not Sig
ENSG00000224093	NA	NA	NA	108.2508792	-0.515708789	0.84820286	-0.608001709	0.54318634	0.999371363	Not Sig
ENSG00000216866	NA	NA	NA	5.170103153	-0.515636328	1.099478132	-0.468982796	0.639081934	NA	NA
ENSG00000241685	ARPC1A	actin related protein 2/3 complex subunit 1A	10552	1354.113875	-0.515551639	0.47308865	-1.089756938	0.275820227	0.999371363	Not Sig
ENSG00000272689	NA	NA	NA	11.63998398	-0.515502956	0.998294129	-0.51638384	0.60558635	0.999371363	Not Sig
ENSG00000224043	NA	NA	NA	34.25796465	-0.515470227	0.595764372	-0.865224997	0.386915308	0.999371363	Not Sig
ENSG00000203644	NA	NA	NA	121.8283155	-0.515248208	0.894777959	-0.575839182	0.564723887	0.999371363	Not Sig
ENSG00000166024	R3HCC1L	R3H domain and coiled-coil containing 1 like	27291	575.4480472	-0.515151285	0.548656406	-0.938932416	0.347765445	0.999371363	Not Sig
ENSG00000163605	PPP4R2	protein phosphatase 4 regulatory subunit 2	151987	1864.939967	-0.515075602	0.543442537	-0.947801408	0.343230563	0.999371363	Not Sig
ENSG00000157500	APPL1	adaptor protein, phosphotyrosine interacting with PI domain and leucine zipper 1	26060	1564.380081	-0.514590795	0.611398784	-0.841661463	0.399977475	0.999371363	Not Sig
ENSG00000212241	NA	NA	NA	1.766456253	-0.514418799	2.276197616	-0.225999182	0.821202057	NA	NA
ENSG00000153234	NR4A2	nuclear receptor subfamily 4 group A member 2	4929	1627.961639	-0.514236447	0.577197893	-0.890918788	0.37297274	0.999371363	Not Sig
ENSG00000120685	PROSER1	proline and serine rich 1	80209	977.722406	-0.514222855	0.503818169	-1.020651669	0.3074195	0.999371363	Not Sig
ENSG00000186088	GSAP	gamma-secretase activating protein	54103	1324.409451	-0.514110101	0.535071924	-0.960824289	0.336640524	0.999371363	Not Sig
ENSG00000019995	ZRANB1	zinc finger RANBP2-type containing 1	54764	998.9180065	-0.514083448	0.440277475	-1.167635134	0.242953972	0.999371363	Not Sig
ENSG00000255067	NA	NA	NA	7.386057698	-0.514024911	1.09584188	-0.469068503	0.639020671	0.999371363	Not Sig
ENSG00000003147	ICA1	islet cell autoantigen 1	3382	1217.064134	-0.513585122	0.761876009	-0.674105911	0.500243981	0.999371363	Not Sig
ENSG00000151276	MAGI1	membrane associated guanylate kinase, WW and PDZ domain containing 1	9223	2042.055442	-0.513345695	0.551638089	-0.93058421	0.352068685	0.999371363	Not Sig
ENSG00000257093	KIAA1147	KIAA1147	57189	2221.230588	-0.513261383	0.395530766	-1.297652235	0.194406864	0.999371363	Not Sig
ENSG00000233040	NA	NA	NA	33.57870194	-0.513219422	0.845754396	-0.606818509	0.543971363	0.999371363	Not Sig
ENSG00000047849	MAP4	microtubule associated protein 4	4134	6624.001345	-0.513149841	0.454880128	-1.128099053	0.259278089	0.999371363	Not Sig
ENSG00000230155	NA	NA	NA	13.64413519	-0.513101518	0.842245549	-0.609206566	0.542387529	0.999371363	Not Sig
ENSG00000249992	TMEM158	transmembrane protein 158 (gene/pseudogene)	25907	33.18289892	-0.513089237	0.618169577	-0.830013731	0.406531021	0.999371363	Not Sig
ENSG00000250222	NA	NA	NA	10.78910631	-0.512714636	0.832480805	-0.615887638	0.537968681	0.999371363	Not Sig
ENSG00000254245	PCDHGA3	protocadherin gamma subfamily A, 3	56112	33.02017387	-0.512584664	0.936861257	-0.547129748	0.584289596	0.999371363	Not Sig
ENSG00000183785	TUBA8	tubulin alpha 8	51807	11.4014241	-0.512370253	0.889324442	-0.57613423	0.564524456	0.999371363	Not Sig
ENSG00000166323	C11orf65	chromosome 11 open reading frame 65	160140	26.55270079	-0.512336017	0.67930972	-0.754200923	0.450728584	0.999371363	Not Sig
ENSG00000260075	NA	NA	NA	128.1940164	-0.51212756	0.583781179	-0.877259456	0.380345728	0.999371363	Not Sig
ENSG00000120925	RNF170	ring finger protein 170	81790	434.8217095	-0.512062404	0.616238623	-0.830948249	0.406002865	0.999371363	Not Sig
ENSG00000132196	HSD17B7	hydroxysteroid 17-beta dehydrogenase 7	51478	343.9974271	-0.511990034	0.539445124	-0.949104944	0.34256724	0.999371363	Not Sig

ENSG00000196209	SIRPB2	signal regulatory protein beta 2	284759	109.8807242	-0.511825724	0.718653188	-0.712201284	0.476340142	0.999371363	Not Sig
ENSG00000147421	HMBOX1	homeobox containing 1	79618	1255.376037	-0.511579935	0.489656754	-1.044772549	0.296128105	0.999371363	Not Sig
ENSG00000254852	NPIPA2	nuclear pore complex interacting protein family member A2	642799	3.402462598	-0.511523525	1.577361554	-0.3242906	0.745718035	NA	NA
ENSG00000152583	SPARCL1	SPARC like 1	8404	6439.162709	-0.511471493	0.87192858	-0.586597921	0.557473779	0.999371363	Not Sig
ENSG00000139372	TDG	thymine DNA glycosylase	6996	686.3183853	-0.511093889	0.582397145	-0.877569357	0.380177465	0.999371363	Not Sig
ENSG00000156170	NDUF6F6	NADH:ubiquinone oxidoreductase complex assembly factor 6	137682	388.9787389	-0.511058437	0.541779168	-0.943296581	0.345529224	0.999371363	Not Sig
ENSG00000107672	NSMCE4A	NSE4 homolog A, SMC5-SMC6 complex component	54780	620.2796601	-0.511017071	0.460371171	-1.110011015	0.26699428	0.999371363	Not Sig
ENSG00000108055	SMC3	structural maintenance of chromosomes 3	9126	1563.230012	-0.511012515	0.467909526	-1.092118213	0.274781145	0.999371363	Not Sig
ENSG00000123901	GPR83	G protein-coupled receptor 83	10888	3.791470521	-0.510896129	1.572249269	-0.324946011	0.745221933	NA	NA
ENSG00000164073	MFS3D8	major facilitator superfamily domain containing 8	256471	492.2092235	-0.510877729	0.645385844	-0.791584962	0.428602718	0.999371363	Not Sig
ENSG00000270095	NA	NA	NA	16.46763706	-0.510627494	0.915855414	-0.557541601	0.577157444	0.999371363	Not Sig
ENSG00000185324	CDK10	cyclin dependent kinase 10	8558	1149.361854	-0.510480333	0.44986463	-1.134742095	0.256483394	0.999371363	Not Sig
ENSG00000204071	TCEAL6	transcription elongation factor A like 6	158931	1.430143814	-0.510475014	1.988588839	-0.256702142	0.797408718	NA	NA
ENSG00000225183	NA	NA	NA	1.430143814	-0.510475014	1.988588839	-0.256702142	0.797408718	NA	NA
ENSG00000120733	KDM3B	lysine demethylase 3B	51780	3733.421993	-0.510385706	0.441850395	-1.155109764	0.24804548	0.999371363	Not Sig
ENSG00000257818	NA	NA	NA	26.80061044	-0.510322485	0.72734934	-0.701619507	0.482916483	0.999371363	Not Sig
ENSG00000267541	NA	NA	NA	12.53383721	-0.510269762	0.909651082	-0.560951086	0.574830883	0.999371363	Not Sig
ENSG00000263531	NA	NA	NA	5.477355873	-0.510202121	1.336297926	-0.381802673	0.702607736	NA	NA
ENSG00000214078	CPNE1	copine 1	8904	987.7916528	-0.510201366	0.45624686	-1.118257266	0.263457133	0.999371363	Not Sig
ENSG00000253263	NA	NA	NA	18.67025102	-0.509831036	0.740460511	-0.688532377	0.491117589	0.999371363	Not Sig
ENSG00000220205	VAMP2	vesicle associated membrane protein 2	6844	1194.729226	-0.50978585	0.472728473	-1.078390406	0.280859567	0.999371363	Not Sig
ENSG00000127578	WFIKKN1	WIP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 1	117166	69.86444485	-0.509577451	0.680032675	-0.749342597	0.45365074	0.999371363	Not Sig
ENSG00000162819	BROX	BR01 domain and CAAX motif containing	148362	1858.904611	-0.509372099	0.657248095	-0.775007342	0.438335321	0.999371363	Not Sig
ENSG00000215218	UBE2QL1	ubiquitin conjugating enzyme E2 Q family like 1	134111	12.0573149	-0.509286024	1.494694262	-0.34072923	0.733307432	0.999371363	Not Sig
ENSG00000177752	YIPF7	Yipl domain family member 7	285525	2.39322123	-0.509141147	1.565940504	-0.325134414	0.745079344	NA	NA
ENSG00000169604	ANTXR1	anthrax toxin receptor 1	84168	4237.473673	-0.509078884	0.413541912	-1.231021254	0.218314915	0.999371363	Not Sig
ENSG00000127483	HP1BP3	heterochromatin protein 1 binding protein 3	50809	4979.371095	-0.508868961	0.514547173	-0.988964642	0.322680441	0.999371363	Not Sig
ENSG00000104973	MED25	mediator complex subunit 25	81857	970.512803	-0.50863278	0.515218895	-0.98721686	0.323536338	0.999371363	Not Sig
ENSG00000105220	GPI	glucose-6-phosphate isomerase	2821	2910.934439	-0.50831101	0.431147016	-1.17897374	0.238408633	0.999371363	Not Sig
ENSG00000227262	NA	NA	NA	20.56623113	-0.508110327	0.910589223	-0.558001692	0.576843229	0.999371363	Not Sig
ENSG00000092020	PPP2R3C	protein phosphatase 2 regulatory subunit B' gamma	55012	351.6258533	-0.508078371	0.480176187	-1.058108221	0.290006107	0.999371363	Not Sig
ENSG00000147601	TERF1	telomeric repeat binding factor 1	7013	606.357383	-0.507979408	0.493299354	-1.029758915	0.303123191	0.999371363	Not Sig
ENSG00000067064	IDII	isopentenyl-diphosphate delta isomerase 1	3422	954.8797292	-0.5077126	0.487232409	-1.042033721	0.297396045	0.999371363	Not Sig
ENSG00000119929	CUTC	cutC copper transporter	51076	243.5267052	-0.507531433	0.445777485	-1.138530881	0.254898872	0.999371363	Not Sig
ENSG00000197776	KLHDC1	kelch domain containing 1	122773	155.8674124	-0.507208457	0.637011079	-0.796231767	0.425897337	0.999371363	Not Sig

ENSG00000236992	NA	NA	NA	2.293508733	-0.507110003	1.552230932	-0.326697525	0.743896673	NA	NA
ENSG00000200651	NA	NA	NA	16.66659654	-0.506735285	0.750809554	-0.674918536	0.499727523	0.999371363	Not Sig
ENSG00000238083	LRRC37A2	leucine rich repeat containing 37 member A2	474170	357.8145726	-0.505580008	0.649375298	-0.778563659	0.436236794	0.999371363	Not Sig
ENSG00000151702	FLI1	Flt-1 proto-oncogene, ETS transcription factor	2313	1081.348043	-0.505152121	0.838815334	-0.602220895	0.547027109	0.999371363	Not Sig
ENSG00000198134	NA	NA	NA	3.239276962	-0.504850322	1.666294026	-0.302977935	0.761906677	NA	NA
ENSG00000201223	NA	NA	NA	1.132163435	-0.504831807	2.510779597	-0.20106576	0.840647155	NA	NA
ENSG00000252808	NA	NA	NA	13.79701075	-0.504680336	1.034074721	-0.488050163	0.62551431	0.999371363	Not Sig
ENSG00000197457	STMN3	stathmin 3	50861	404.6420285	-0.5045179	0.565826127	-0.891648292	0.372581477	0.999371363	Not Sig
ENSG00000246922	UBAP1L	ubiquitin associated protein 1 like	390595	266.9458609	-0.504483537	0.478810446	-1.053618486	0.292057622	0.999371363	Not Sig
ENSG00000125731	SH2D3A	SH2 domain containing 3A	10045	538.1542741	-0.50433681	0.45877057	-1.0993225	0.271627421	0.999371363	Not Sig
ENSG00000259972	NA	NA	NA	94.86466927	-0.504265234	0.471008264	-1.07060804	0.284345707	0.999371363	Not Sig
ENSG00000181227	NA	NA	NA	3.079905481	-0.504247262	1.451754746	-0.347336396	0.728338611	NA	NA
ENSG00000259460	NA	NA	NA	5.739472857	-0.504184175	1.385284408	-0.363957157	0.715890002	NA	NA
ENSG00000265658	MIR3690	microRNA 3690	100500894	3.92094108	-0.503924288	1.349021953	-0.373547878	0.708740718	NA	NA
ENSG00000057593	F7	coagulation factor VII	2155	5.706864657	-0.503809582	1.236801828	-0.407348672	0.68375192	NA	NA
ENSG00000198804	COX1	cytochrome c oxidase subunit I	4512	206166.8456	-0.50378185	0.750816234	-0.670978899	0.502233972	0.999371363	Not Sig
ENSG00000229492	NA	NA	NA	25.96225965	-0.50372371	0.839901889	-0.599741133	0.548678771	0.999371363	Not Sig
ENSG00000268858	NA	NA	NA	54.31510156	-0.503686058	0.556356303	-0.905330011	0.365290582	0.999371363	Not Sig
ENSG00000163933	RFT1	RFT1 homolog	91869	483.9145633	-0.503633432	0.461769641	-1.090659471	0.27542275	0.999371363	Not Sig
ENSG00000164251	F2RL1	F2R like trypsin receptor 1	2150	584.7244222	-0.503325829	0.758868344	-0.663258434	0.507165053	0.999371363	Not Sig
ENSG00000124102	PI3	peptidase inhibitor 3	5266	7.149368478	-0.50328503	1.700404356	-0.295979617	0.767245648	0.999371363	Not Sig
ENSG00000266677	NA	NA	NA	5.846353806	-0.503192691	1.169380097	-0.430307214	0.66697218	NA	NA
ENSG00000169925	BRD3	bromodomain containing 3	8019	1646.22815	-0.503007878	0.497619271	-1.010828774	0.312098389	0.999371363	Not Sig
ENSG00000213763	NA	NA	NA	4.576145814	-0.50295123	1.428517845	-0.352079067	0.724778967	NA	NA
ENSG00000137449	CPEB2	cytoplasmic polyadenylation element binding protein 2	132864	984.7809894	-0.502827724	0.509497791	-0.986908546	0.323687474	0.999371363	Not Sig
ENSG00000162877	PM20D1	peptidase M20 domain containing 1	148811	10.66197813	-0.502742698	0.888969617	-0.565534174	0.571710487	0.999371363	Not Sig
ENSG00000259952	NA	NA	NA	14.93625212	-0.502708843	0.837986612	-0.599900804	0.548572346	0.999371363	Not Sig
ENSG00000104852	SNRNP70	small nuclear ribonucleoprotein U1 subunit 70	6625	3473.737644	-0.502614391	0.451712529	-1.112686407	0.265843135	0.999371363	Not Sig
ENSG00000258890	CEP95	centrosomal protein 95	90799	1163.821539	-0.502481453	0.586686722	-0.856473198	0.391736091	0.999371363	Not Sig
ENSG00000116001	TIA1	TIA1 cytotoxic granule associated RNA binding protein	7072	2256.009617	-0.502361483	0.624178809	-0.804835851	0.42091441	0.999371363	Not Sig
ENSG00000249755	NA	NA	NA	1.507111985	-0.501999999	1.807266238	-0.277767596	0.781190767	NA	NA
ENSG00000132326	PER2	period circadian regulator 2	8864	1876.691888	-0.501993795	0.430286116	-1.166651157	0.243351275	0.999371363	Not Sig
ENSG00000154767	XPC	XPC complex subunit, DNA damage recognition and repair factor	7508	1362.90185	-0.501987415	0.420204505	-1.194626447	0.232233012	0.999371363	Not Sig
ENSG00000261056	NA	NA	NA	76.6730054	-0.501813789	0.548354459	-0.915126668	0.360125137	0.999371363	Not Sig
ENSG00000163788	SNRK	SNF related kinase	54861	1636.648843	-0.501789348	0.564481636	-0.888938304	0.374036238	0.999371363	Not Sig

ENSG00000257103	LSM14A	LSM14A, mRNA processing body assembly factor	26065	1956.160252	-0.501710467	0.454225912	-1.104539512	0.269359174	0.999371363	Not Sig
ENSG00000235831	BHLHE40-AS1	BHLHE40 antisense RNA 1	100507582	46.43129936	-0.50169292	0.708670618	-0.707935263	0.47898546	0.999371363	Not Sig
ENSG00000260576	NA	NA	NA	13.39172322	-0.501604645	0.893172638	-0.561598759	0.574389426	0.999371363	Not Sig
ENSG00000256603	NA	NA	NA	5.66663475	-0.501284504	1.336062319	-0.375195451	0.707515113	NA	NA
ENSG00000272028	NA	NA	NA	7.432543233	-0.501142707	1.472724119	-0.340282814	0.733643558	0.999371363	Not Sig
ENSG00000255872	NA	NA	NA	4.371977549	-0.501137984	1.315675024	-0.380897999	0.703278937	NA	NA
ENSG00000136051	WASHC4	WASH complex subunit 4	23325	2302.546261	-0.500892133	0.59302986	-0.844632229	0.398316209	0.999371363	Not Sig
ENSG00000139734	DIAPH3	diaphanous related formin 3	81624	128.5312366	-0.50078049	0.79901628	-0.626746291	0.530825555	0.999371363	Not Sig
ENSG00000134333	LDHA	lactate dehydrogenase A	3939	9682.703079	-0.500619287	0.681357946	-0.734737578	0.46249933	0.999371363	Not Sig
ENSG00000119772	DNMT3A	DNA methyltransferase 3 alpha	1788	1345.511048	-0.50043923	0.4410697	-1.134603509	0.256541482	0.999371363	Not Sig
ENSG00000145283	SLC10A6	solute carrier family 10 member 6	345274	5.725618436	-0.50038078	1.141289257	-0.438434671	0.661071218	NA	NA
ENSG00000139675	HNRNPA1L2	heterogeneous nuclear ribonucleoprotein A1-like 2	144983	82.98390148	-0.499939949	0.602826457	-0.82932649	0.406919685	0.999371363	Not Sig
ENSG00000235151	NA	NA	NA	8.435157448	-0.499878114	1.40797309	-0.355033855	0.722564229	0.999371363	Not Sig
ENSG00000206612	SNORA2A	small nucleolar RNA, H/ACA box 2A	677793	9.038952707	-0.49984084	1.128230217	-0.443030892	0.65774339	0.999371363	Not Sig
ENSG00000235996	NA	NA	NA	2.964301199	-0.499712006	1.602017493	-0.311926685	0.755096242	NA	NA
ENSG00000165338	HECTD2	HECT domain E3 ubiquitin protein ligase 2	143279	372.3904416	-0.499577599	0.491398462	-1.016644613	0.309322523	0.999371363	Not Sig
ENSG00000200612	SNORD114-25	small nucleolar RNA, C/D box 114-25	767605	0.704408445	-0.499576954	3.988126748	-0.125266067	0.900312915	NA	NA
ENSG00000201565	NA	NA	NA	0.704408445	-0.499576954	3.988126748	-0.125266067	0.900312915	NA	NA
ENSG00000206144	NA	NA	NA	0.704408445	-0.499576954	3.988126748	-0.125266067	0.900312915	NA	NA
ENSG00000233800	NA	NA	NA	0.704408445	-0.499576954	3.988126748	-0.125266067	0.900312915	NA	NA
ENSG00000258964	NA	NA	NA	0.704408445	-0.499576954	3.988126748	-0.125266067	0.900312915	NA	NA
ENSG00000268313	NA	NA	NA	0.704408445	-0.499576954	3.988126748	-0.125266067	0.900312915	NA	NA
ENSG00000144214	LYG1	lysozyme g1	129530	13.49520946	-0.49956235	0.811434871	-0.615653046	0.538123533	0.999371363	Not Sig
ENSG00000151292	CSNK1G3	casein kinase 1 gamma 3	1456	881.1065191	-0.49952925	0.524201109	-0.952934362	0.340623329	0.999371363	Not Sig
ENSG00000228331	NA	NA	NA	1.43658135	-0.499477963	2.026636338	-0.24645663	0.805328773	NA	NA
ENSG00000185022	MAFF	MAF bZIP transcription factor F	23764	822.7530164	-0.49936519	0.567048064	-0.880639971	0.378512717	0.999371363	Not Sig
ENSG00000131389	SLC6A6	solute carrier family 6 member 6	6533	3279.38347	-0.499179753	0.453771362	-1.100068879	0.271302112	0.999371363	Not Sig
ENSG00000240531	NA	NA	NA	26.80704689	-0.498997107	0.807346469	-0.618070588	0.536528809	0.999371363	Not Sig
ENSG00000137845	ADAM10	ADAM metallopeptidase domain 10	102	3343.56222	-0.498634243	0.594917982	-0.83815628	0.401942938	0.999371363	Not Sig
ENSG00000161912	ADCY10P1	adenylate cyclase 10, soluble pseudogene 1	221442	141.8459481	-0.498021936	0.53485154	-0.93114051	0.351780886	0.999371363	Not Sig
ENSG00000179840	PIK3CD-AS1	PIK3CD antisense RNA 1	644997	1.0616328	-0.497942025	2.535455865	-0.196391517	0.844303735	NA	NA
ENSG00000206629	NA	NA	NA	1.0616328	-0.497942025	2.535455865	-0.196391517	0.844303735	NA	NA
ENSG00000243802	NA	NA	NA	1.0616328	-0.497942025	2.535455865	-0.196391517	0.844303735	NA	NA
ENSG00000248873	NA	NA	NA	1.0616328	-0.497942025	2.535455865	-0.196391517	0.844303735	NA	NA
ENSG00000127337	YEATS4	YEATS domain containing 4	8089	143.317606	-0.497652545	0.62865528	-0.791614356	0.428585573	0.999371363	Not Sig

ENSG00000184481	FOXO4	forkhead box O4	4303	516.8756307	-0.497645515	0.655343415	-0.759366012	0.447633639	0.999371363	Not Sig
ENSG00000242551	NA	NA	NA	4.628072005	-0.497580853	1.75625888	-0.283318626	0.7769326	NA	NA
ENSG00000175054	ATR	ATR serine/threonine kinase	545	1682.95216	-0.497511162	0.718776701	-0.69216373	0.488834513	0.999371363	Not Sig
ENSG00000260796	NA	NA	NA	10.64448703	-0.497387598	0.866967036	-0.573709931	0.566164107	0.999371363	Not Sig
ENSG00000169682	SPNS1	sphingolipid transporter 1 (putative)	83985	25.70939059	-0.497242044	0.714759361	-0.695677554	0.486630786	0.999371363	Not Sig
ENSG00000132953	XPO4	exportin 4	64328	1360.528462	-0.497238959	0.48201105	-1.031592448	0.30226308	0.999371363	Not Sig
ENSG00000181085	MAPK15	mitogen-activated protein kinase 15	225689	259.3093537	-0.497105382	0.877050384	-0.566792274	0.57085532	0.999371363	Not Sig
ENSG00000234616	JRK	Jrk helix-turn-helix protein	8629	851.8130707	-0.497103194	0.551788683	-0.900894146	0.367644604	0.999371363	Not Sig
ENSG00000216990	NA	NA	NA	1.497657736	-0.496959816	2.073079672	-0.239720558	0.810546897	NA	NA
ENSG00000111790	FGFR10P2	FGFR1 oncogene partner 2	26127	830.5783149	-0.49669599	0.539073675	-0.921387952	0.356847917	0.999371363	Not Sig
ENSG00000090097	PCBP4	poly(rC) binding protein 4	57060	362.6602388	-0.49651362	0.600255044	-0.827171093	0.408140094	0.999371363	Not Sig
ENSG00000208308	SNORA40B	small nucleolar RNA, H/ACA box 40B	109616967	11.05614666	-0.496280403	1.067371851	-0.464955491	0.641963331	0.999371363	Not Sig
ENSG00000240463	NA	NA	NA	23.19987417	-0.49597145	0.671468242	-0.738637242	0.460127304	0.999371363	Not Sig
ENSG00000269292	NA	NA	NA	8.500486041	-0.495856845	0.950693331	-0.521573918	0.601967027	0.999371363	Not Sig
ENSG00000136141	LRCH1	leucine rich repeats and calponin homology domain containing 1	23143	1085.01975	-0.495771565	0.421072133	-1.177402935	0.239034719	0.999371363	Not Sig
ENSG00000174791	RIN1	Ras and Rab interactor 1	9610	153.6145897	-0.495711691	0.665513116	-0.744856381	0.456358547	0.999371363	Not Sig
ENSG00000164597	COG5	component of oligomeric golgi complex 5	10466	1260.477702	-0.495187775	0.540445957	-0.916257709	0.359531744	0.999371363	Not Sig
ENSG00000096996	IL12RB1	interleukin 12 receptor subunit beta 1	3594	155.7467099	-0.495101939	0.911947589	-0.542906133	0.587194433	0.999371363	Not Sig
ENSG00000061936	SFSWAP	splicing factor SWAP	6433	1441.381706	-0.4950691	0.416340843	-1.189095684	0.234402017	0.999371363	Not Sig
ENSG00000134056	MRPS36	mitochondrial ribosomal protein S36	92259	177.6943855	-0.495038676	0.62807674	-0.788181832	0.430590354	0.999371363	Not Sig
ENSG00000205209	SCGB2B2	secretoglobin family 2B member 2	284402	51.28318579	-0.494915247	0.620567353	-0.797520599	0.425148744	0.999371363	Not Sig
ENSG00000104888	SLC17A7	solute carrier family 17 member 7	57030	9.087457794	-0.494888138	1.000580413	-0.494601065	0.62088175	0.999371363	Not Sig
ENSG00000138449	SLC40A1	solute carrier family 40 member 1	30061	5851.957705	-0.49468897	0.756919241	-0.653555814	0.51339802	0.999371363	Not Sig
ENSG00000232472	NA	NA	NA	8.820048121	-0.494631335	1.082155396	-0.457079765	0.647613714	0.999371363	Not Sig
ENSG00000146094	DOK3	docking protein 3	79930	474.3535366	-0.49461307	0.771926384	-0.640751606	0.521684079	0.999371363	Not Sig
ENSG00000206535	LNP1	leukemia NUP98 fusion partner 1	348801	86.11595598	-0.494138946	0.51666077	-0.956408874	0.338865703	0.999371363	Not Sig
ENSG00000119979	FAM45A	family with sequence similarity 45 member A	404636	404.4215979	-0.494133633	0.46564298	-1.061185617	0.288605554	0.999371363	Not Sig
ENSG00000121390	PSPC1	paraspeckle component 1	55269	1145.418786	-0.494100999	0.448168	-1.102490582	0.270248451	0.999371363	Not Sig
ENSG00000251201	TMED7-TICAM2	TMED7-TICAM2 readthrough	100302736	4.455383255	-0.493954575	1.504314349	-0.328358614	0.742640531	NA	NA
ENSG00000213066	FGFR10P	FGFR1 oncogene partner	11116	328.3746396	-0.493667288	0.658543059	-0.74963555	0.453474234	0.999371363	Not Sig
ENSG00000137414	FAM8A1	family with sequence similarity 8 member A1	51439	1659.843338	-0.493648507	0.569737823	-0.866448544	0.386244233	0.999371363	Not Sig
ENSG00000103168	TAF1C	TATA-box binding protein associated factor, RNA polymerase I subunit C	9013	845.0468518	-0.493545425	0.572217899	-0.862513085	0.388405236	0.999371363	Not Sig
ENSG00000103995	CEP152	centrosomal protein 152	22995	335.1225283	-0.493477123	0.59164881	-0.834071014	0.404240968	0.999371363	Not Sig
ENSG00000132793	LPIN3	lipin 3	64900	601.5801779	-0.49313566	0.634758513	-0.776887037	0.43722542	0.999371363	Not Sig
ENSG00000183665	TRMT12	tRNA methyltransferase 12 homolog	55039	281.4736208	-0.493086943	0.582387195	-0.846665152	0.397181788	0.999371363	Not Sig

ENSG00000119509	INVS	inversin		27130	633.0594061	-0.492990289	0.422576309	-1.166630211	0.243359738	0.999371363	Not Sig
ENSG00000147854	UHRF2	ubiquitin like with PHD and ring finger domains 2		115426	1164.62263	-0.492899275	0.465417153	-1.059048366	0.289577754	0.999371363	Not Sig
ENSG00000147905	ZCCHC7	zinc finger CCHC-type containing 7		84186	683.9210015	-0.492879676	0.542048531	-0.909290678	0.36319671	0.999371363	Not Sig
ENSG00000248697	NA	NA	NA		4.13522289	-0.492830965	1.637212613	-0.301018305	0.763400536	NA	NA
ENSG00000144228	SPOPL	speckle type BTB/POZ protein like		339745	852.0134798	-0.492604132	0.600806143	-0.819905285	0.412270104	0.999371363	Not Sig
ENSG00000236876	NA	NA	NA		1.138600971	-0.49254196	2.23379526	-0.22049557	0.825485222	NA	NA
ENSG00000239224	NA	NA	NA		1.138600971	-0.49254196	2.23379526	-0.22049557	0.825485222	NA	NA
ENSG00000254791	NA	NA	NA		21.66832416	-0.492390012	0.710077499	-0.693431369	0.488038882	0.999371363	Not Sig
ENSG00000081853	PCDHGA2	protocadherin gamma subfamily A, 2		56113	60.56917541	-0.492302403	0.857916385	-0.573834946	0.566079498	0.999371363	Not Sig
ENSG00000163251	FZD5	frizzled class receptor 5		7855	1645.476726	-0.492223462	0.490913597	-1.002668218	0.316020969	0.999371363	Not Sig
ENSG00000137764	MAP2K5	mitogen-activated protein kinase kinase 5		5607	525.5645522	-0.492166273	0.400659944	-1.228389012	0.219300971	0.999371363	Not Sig
ENSG00000087206	UIMC1	ubiquitin interaction motif containing 1		51720	774.0228765	-0.492086249	0.427050987	-1.152289222	0.249202244	0.999371363	Not Sig
ENSG00000138443	ABI2	abl interactor 2		10152	1478.979335	-0.492025958	0.464216442	-1.059906357	0.289187203	0.999371363	Not Sig
ENSG00000240710	NA	NA	NA		14.15408549	-0.491920624	0.739492709	-0.665213623	0.505913869	0.999371363	Not Sig
ENSG00000083838	ZNF446	zinc finger protein 446		55663	312.0140023	-0.491840281	0.569588278	-0.86350141	0.387861845	0.999371363	Not Sig
ENSG00000172554	SNTG2	syntrophin gamma 2		54221	19.2200237	-0.4917171	1.012548718	-0.485623152	0.627234379	0.999371363	Not Sig
ENSG00000172247	ClqTNF4	Clq and TNF related 4		114900	5.840884722	-0.491613231	1.242954767	-0.395519808	0.692459306	NA	NA
ENSG00000187742	SECISBP2	SECIS binding protein 2		79048	2140.166999	-0.491570291	0.422338819	-1.163924009	0.244454809	0.999371363	Not Sig
ENSG00000105523	FAM83E	family with sequence similarity 83 member E		54854	913.9820765	-0.491540758	0.504478454	-0.974354315	0.329880645	0.999371363	Not Sig
ENSG00000174871	CNIH2	cornichon family AMPA receptor auxiliary protein 2		254263	25.29839231	-0.491395028	0.676546224	-0.72632883	0.467637209	0.999371363	Not Sig
ENSG00000179772	FOXS1	forkhead box S1		2307	74.73743678	-0.491183874	0.66775651	-0.735573321	0.461990403	0.999371363	Not Sig
ENSG00000109445	ZNF330	zinc finger protein 330		27309	739.4435075	-0.491177766	0.528084821	-0.930111503	0.352313356	0.999371363	Not Sig
ENSG00000138138	ATAD1	ATPase family, AAA domain containing 1		84896	1109.775559	-0.491035213	0.55965949	-0.87738209	0.380279138	0.999371363	Not Sig
ENSG00000162461	SLC25A34	solute carrier family 25 member 34		284723	31.93154034	-0.49072506	0.814746002	-0.602304348	0.546971567	0.999371363	Not Sig
ENSG00000263335	NA	NA	NA		59.89398565	-0.490576111	0.660146576	-0.7431321	0.457401707	0.999371363	Not Sig
ENSG00000123240	OPTN	optineurin		10133	1695.496171	-0.49057515	0.636220675	-0.771077032	0.440661273	0.999371363	Not Sig
ENSG00000266896	NA	NA	NA		32.02681582	-0.490528026	0.710825111	-0.690082579	0.490142258	0.999371363	Not Sig
ENSG00000241370	RPP21	ribonuclease P/MRP subunit p21		79897	18.01947489	-0.49052023	0.776363338	-0.631817869	0.527505896	0.999371363	Not Sig
ENSG00000241370	TRIM39-RPP21	TRIM39-RPP21 readthrough		202658	18.01947489	-0.49052023	0.776363338	-0.631817869	0.527505896	0.999371363	Not Sig
ENSG00000185278	ZBTB37	zinc finger and BTB domain containing 37		84614	1735.685253	-0.490445702	0.594980237	-0.824305871	0.409765784	0.999371363	Not Sig
ENSG00000257110	NA	NA	NA		7.292207496	-0.490305655	0.967726463	-0.506657277	0.612395312	0.999371363	Not Sig
ENSG00000146856	AGBL3	ATP/GTP binding protein like 3		340351	95.39756566	-0.49018373	0.519904154	-0.942834802	0.345765408	0.999371363	Not Sig
ENSG00000132170	PPARG	peroxisome proliferator activated receptor gamma		5468	539.7274216	-0.489915954	0.721241654	-0.679267416	0.496968438	0.999371363	Not Sig
ENSG00000165060	FXN	frataxin		2395	125.8114214	-0.489836008	0.521818628	-0.938709318	0.347880008	0.999371363	Not Sig
ENSG00000076108	BAZ2A	bromodomain adjacent to zinc finger domain 2A		11176	4560.90975	-0.489735949	0.409911555	-1.194735653	0.232190328	0.999371363	Not Sig

ENSG00000152492	CCDC50	coiled-coil domain containing 50	152137	1798.513904	-0.489456546	0.489376058	-1.000164471	0.31723092	0.999371363	Not Sig
ENSG00000272578	NA	NA	NA	132.2949916	-0.489399545	0.576743985	-0.848555959	0.396128422	0.999371363	Not Sig
ENSG00000164924	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta	7534	12218.52585	-0.489252972	0.558654302	-0.875770527	0.381154796	0.999371363	Not Sig
ENSG00000065665	SEC61A2	Sec61 translocon alpha 2 subunit	55176	143.9295986	-0.489220959	0.633053066	-0.772796129	0.439643044	0.999371363	Not Sig
ENSG00000175893	ZDHHC21	zinc finger DHHC-type containing 21	340481	1586.686828	-0.489185178	0.771718443	-0.633890744	0.526152126	0.999371363	Not Sig
ENSG00000228328	NA	NA	NA	26.47805831	-0.489153828	0.651066075	-0.751312112	0.452464842	0.999371363	Not Sig
ENSG00000243175	NA	NA	NA	53.40160434	-0.488926201	0.584862214	-0.83596818	0.403172804	0.999371363	Not Sig
ENSG00000163138	PACRGL	parkin coregulated like	133015	300.571155	-0.488891254	0.55326948	-0.883640381	0.376890373	0.999371363	Not Sig
ENSG00000135473	PAN2	PAN2 poly(A) specific ribonuclease subunit	9924	957.9217597	-0.48877529	0.382574392	-1.277595419	0.201392117	0.999371363	Not Sig
ENSG00000150995	ITPR1	inositol 1,4,5-trisphosphate receptor type 1	3708	3752.131545	-0.488678018	0.557768657	-0.876130295	0.380959205	0.999371363	Not Sig
ENSG00000272782	NA	NA	NA	48.74152717	-0.488677168	0.636891325	-0.767285011	0.442912078	0.999371363	Not Sig
ENSG00000165300	SLITRK5	SLIT and NTRK like family member 5	26050	34.40105605	-0.488599107	0.987939106	-0.494563991	0.620907926	0.999371363	Not Sig
ENSG00000228169	NA	NA	NA	6.039723699	-0.488564628	1.098139215	-0.444902268	0.656390383	NA	NA
ENSG00000008056	SYN1	synapsin I	6853	26.23258571	-0.488547296	0.79200016	-0.616852521	0.537332006	0.999371363	Not Sig
ENSG00000213397	HAUS7	HAUS augmin like complex subunit 7	55559	43.96512233	-0.488452882	0.640042171	-0.763157342	0.445369566	0.999371363	Not Sig
ENSG00000181264	TMEM136	transmembrane protein 136	219902	128.4680189	-0.488396351	0.563527626	-0.866676856	0.38611909	0.999371363	Not Sig
ENSG00000065243	PKN2	protein kinase N2	5586	2560.29096	-0.488382627	0.630959299	-0.774031904	0.438911925	0.999371363	Not Sig
ENSG00000188001	TPRG1	tumor protein p63 regulated 1	285386	293.3819045	-0.488350026	0.569312543	-0.857788981	0.391008995	0.999371363	Not Sig
ENSG00000175592	FOSL1	FOS like 1, AP-1 transcription factor subunit	8061	64.94651133	-0.488280157	0.710825329	-0.686920031	0.492133123	0.999371363	Not Sig
ENSG00000167525	PROCA1	protein interacting with cyclin A1	147011	73.89852069	-0.488129124	0.641042338	-0.7614616	0.446381406	0.999371363	Not Sig
ENSG00000145860	RNF145	ring finger protein 145	153830	5083.011925	-0.488127359	0.554729361	-0.879937845	0.378892982	0.999371363	Not Sig
ENSG00000122033	MTIF3	mitochondrial translational initiation factor 3	219402	381.6733213	-0.488084889	0.500574812	-0.975048839	0.329536034	0.999371363	Not Sig
ENSG00000272501	NA	NA	NA	67.09990174	-0.487994448	0.716534498	-0.681048085	0.495841065	0.999371363	Not Sig
ENSG00000224885	NA	NA	NA	27.42863384	-0.487758705	0.800574728	-0.609260682	0.542351664	0.999371363	Not Sig
ENSG00000196110	ZNF699	zinc finger protein 699	374879	173.981697	-0.487687291	0.440871107	-1.106190184	0.26864421	0.999371363	Not Sig
ENSG00000254102	LOC401463	uncharacterized LOC401463	401463	5.095421738	-0.487436063	1.136764427	-0.428792502	0.668074236	NA	NA
ENSG00000157017	GHRL	ghrelin and obestatin prepropeptide	51738	24.06895648	-0.487354063	0.636833137	-0.765277487	0.444106327	0.999371363	Not Sig
ENSG00000217624	NA	NA	NA	19.14508569	-0.487051729	0.904167721	-0.538674096	0.590111751	0.999371363	Not Sig
ENSG00000200974	NA	NA	NA	6.367323994	-0.487039226	1.438645195	-0.338540196	0.734956141	NA	NA
ENSG00000207119	NA	NA	NA	5.987199224	-0.48703647	1.248512199	-0.390093481	0.696467423	NA	NA
ENSG00000189320	FAM180A	family with sequence similarity 180 member A	389558	45.64999621	-0.486792889	0.825399275	-0.589766558	0.555347166	0.999371363	Not Sig
ENSG00000241556	NA	NA	NA	2.917932295	-0.486466821	1.402985011	-0.346737005	0.728788907	NA	NA
ENSG00000221887	HMSD	histocompatibility minor serpin domain containing	284293	7.25729626	-0.486387504	0.971844537	-0.500478714	0.616738041	0.999371363	Not Sig
ENSG00000121749	TBC1D15	TBC1 domain family member 15	64786	1205.521693	-0.486372499	0.540872649	-0.899236632	0.368526632	0.999371363	Not Sig
ENSG00000163872	YEATS2	YEATS domain containing 2	55689	1461.452267	-0.48634138	0.459159293	-1.059199688	0.289508847	0.999371363	Not Sig

ENSG00000243642	NA	NA	NA	3.660976851	-0.485756059	1.320730627	-0.367793439	0.713027262	NA	NA
ENSG00000104331	IMPAD1	inositol monophosphatase domain containing 1	54928	2242.118059	-0.485721291	0.545118159	-0.891038545	0.372908492	0.999371363	Not Sig
ENSG00000206417	NA	NA	NA	169.8851864	-0.48562681	0.664603385	-0.73070168	0.464961389	0.999371363	Not Sig
ENSG00000146281	PM20D2	peptidase M20 domain containing 2	135293	639.9652328	-0.485595336	0.643702824	-0.754378135	0.450622197	0.999371363	Not Sig
ENSG00000071243	ING3	inhibitor of growth family member 3	54556	285.4920053	-0.485573965	0.467331726	-1.039034882	0.298788514	0.999371363	Not Sig
ENSG00000154153	RETREG1	reticulophagy regulator 1	54463	225.6614337	-0.485527018	0.760529839	-0.63840627	0.523209251	0.999371363	Not Sig
ENSG00000182404	NA	NA	NA	63.1235902	-0.485351187	0.775673073	-0.625716173	0.531501123	0.999371363	Not Sig
ENSG00000168852	NA	NA	NA	34.96389373	-0.485275061	0.617052745	-0.786440163	0.431609662	0.999371363	Not Sig
ENSG00000272967	NA	NA	NA	4.009366918	-0.485217143	1.632175402	-0.297282475	0.76625086	NA	NA
ENSG00000272100	NA	NA	NA	2.542983745	-0.485124766	1.490202131	-0.325542929	0.744770198	NA	NA
ENSG00000135597	REPS1	RALBP1 associated Eps domain containing 1	85021	1073.625319	-0.484840516	0.529104477	-0.916341738	0.359487683	0.999371363	Not Sig
ENSG00000105173	CCNE1	cyclin E1	898	60.02378167	-0.484774226	0.876115377	-0.553322358	0.580042694	0.999371363	Not Sig
ENSG00000272017	NA	NA	NA	17.04391699	-0.48451586	0.965338043	-0.501913152	0.615728613	0.999371363	Not Sig
ENSG00000253256	NA	NA	NA	5.986523927	-0.484507538	1.192289866	-0.406367237	0.684472789	NA	NA
ENSG00000149243	KLHL35	kelch like family member 35	283212	55.05757778	-0.484431249	0.668565932	-0.724582611	0.46870813	0.999371363	Not Sig
ENSG00000169758	TMEM266	transmembrane protein 266	123591	34.14599222	-0.484150942	0.888667724	-0.544805363	0.58588739	0.999371363	Not Sig
ENSG00000232759	LOC100506178	uncharacterized LOC100506178	100506178	40.70726134	-0.484103368	0.911829234	-0.530914506	0.595478025	0.999371363	Not Sig
ENSG00000166860	ZBTB39	zinc finger and BTB domain containing 39	9880	311.4228184	-0.483981531	0.423718534	-1.142224124	0.253360871	0.999371363	Not Sig
ENSG00000114999	TTL	tubulin tyrosine ligase	150465	860.78325	-0.483976634	0.515266	-0.939275314	0.34758941	0.999371363	Not Sig
ENSG00000198000	NOL8	nucleolar protein 8	55035	926.9639545	-0.483767048	0.454446388	-1.064519513	0.287093419	0.999371363	Not Sig
ENSG00000260167	NA	NA	NA	4.887699608	-0.483765898	1.103076718	-0.438560519	0.66098001	NA	NA
ENSG00000147604	RPL7	ribosomal protein L7	6129	8635.722447	-0.483689911	0.525540214	-0.920367079	0.357380966	0.999371363	Not Sig
ENSG00000105672	ETV2	ETS variant 2	2116	9.885130303	-0.483577249	0.919194803	-0.526087884	0.598827146	0.999371363	Not Sig
ENSG00000114902	SPCS1	signal peptidase complex subunit 1	28972	709.8571423	-0.483380573	0.656205781	-0.736629557	0.461347656	0.999371363	Not Sig
ENSG00000170525	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	5209	4111.059128	-0.483094171	0.441086342	-1.095237201	0.273412732	0.999371363	Not Sig
ENSG00000107779	BMPRIA	bone morphogenetic protein receptor type 1A	657	998.0670643	-0.482887416	0.468604565	-1.030479539	0.302784952	0.999371363	Not Sig
ENSG00000131203	IDO1	indoleamine 2,3-dioxygenase 1	3620	408.0652004	-0.48270233	1.140757221	-0.423142034	0.672191636	0.999371363	Not Sig
ENSG00000133247	KMT5C	lysine methyltransferase 5C	84787	201.9376299	-0.482661556	0.508708364	-0.948798153	0.342723282	0.999371363	Not Sig
ENSG00000213390	ARHGAP19	Rho GTPase activating protein 19	84986	272.8913618	-0.482456622	0.435101755	-1.108836303	0.267500806	0.999371363	Not Sig
ENSG00000083642	PDS5B	PDS5 cohesin associated factor B	23047	1521.716153	-0.482154362	0.456934663	-1.055193227	0.291336961	0.999371363	Not Sig
ENSG00000114405	C3orf14	chromosome 3 open reading frame 14	57415	186.0551227	-0.482056289	0.919489949	-0.524264881	0.60009432	0.999371363	Not Sig
ENSG00000171928	TVP23B	trans-golgi network vesicle protein 23 homolog B	51030	651.8848977	-0.481873492	0.641491988	-0.751176166	0.452546642	0.999371363	Not Sig
ENSG00000151164	RAD9B	RAD9 checkpoint clamp component B	144715	12.99591701	-0.481784215	0.840414215	-0.573269949	0.566461929	0.999371363	Not Sig
ENSG00000172987	HPSE2	heparanase 2 (inactive)	60495	20.08850343	-0.481734319	1.179876968	-0.408291993	0.683059317	0.999371363	Not Sig
ENSG00000269940	NA	NA	NA	180.4841131	-0.481430758	0.478787356	-1.005521035	0.314646026	0.999371363	Not Sig

ENSG00000207181	SNORA14B	small nucleolar RNA, H/ACA box 14B	677802	11.8905791	-0.481333135	0.964481675	-0.49905887	0.617737912	0.999371363	Not Sig
ENSG00000236576	NA	NA	NA	35.80431198	-0.480979809	0.910904509	-0.528024403	0.597482399	0.999371363	Not Sig
ENSG00000255655	NA	NA	NA	4.756092587	-0.480958827	1.229469855	-0.391192045	0.695655288	NA	NA
ENSG00000164430	CGAS	cyclic GMP-AMP synthase	115004	339.679894	-0.480952067	0.596493301	-0.806299194	0.420070355	0.999371363	Not Sig
ENSG00000163507	CIP2A	cell proliferation regulating inhibitor of protein phosphatase 2A	57650	157.9201644	-0.48094118	0.852493342	-0.564158283	0.572646416	0.999371363	Not Sig
ENSG00000176225	RTTN	rotatin	25914	609.3788945	-0.48085389	0.579994606	-0.829066142	0.407066982	0.999371363	Not Sig
ENSG00000273226	NA	NA	NA	18.05597441	-0.480843427	0.897996334	-0.535462572	0.592330032	0.999371363	Not Sig
ENSG00000150457	LATS2	large tumor suppressor kinase 2	26524	1191.014797	-0.480527247	0.537690545	-0.893687365	0.371489188	0.999371363	Not Sig
ENSG00000022567	SLC45A4	solute carrier family 45 member 4	57210	1249.861522	-0.48047238	0.73297222	-0.655512401	0.512137905	0.999371363	Not Sig
ENSG00000221025	MIR1250	microRNA 1250	100302229	2.245003365	-0.480177585	1.584478554	-0.303050858	0.761851104	NA	NA
ENSG00000071054	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4	9448	2712.174764	-0.480058193	0.489798429	-0.980113785	0.327029955	0.999371363	Not Sig
ENSG00000196422	PPP1R26	protein phosphatase 1 regulatory subunit 26	9858	1132.555995	-0.47970873	0.562676369	-0.852548208	0.393909894	0.999371363	Not Sig
ENSG00000118369	USP35	ubiquitin specific peptidase 35	57558	314.2123832	-0.479451453	0.55735977	-0.86021898	0.389668344	0.999371363	Not Sig
ENSG00000132155	RAF1	Raf-1 proto-oncogene, serine/threonine kinase	5894	2385.941339	-0.479032526	0.421219563	-1.137251371	0.255433217	0.999371363	Not Sig
ENSG00000156162	DPY19L4	dpy-19 like 4	286148	950.8184256	-0.47897631	0.651859025	-0.734785117	0.462470372	0.999371363	Not Sig
ENSG00000218596	NA	NA	NA	83.38224632	-0.47883911	0.691891812	-0.692072232	0.488891969	0.999371363	Not Sig
ENSG00000133111	RFXAP	regulatory factor X associated protein	5994	123.9349011	-0.478652047	0.605584915	-0.790396253	0.42929639	0.999371363	Not Sig
ENSG00000099821	POLRMT	RNA polymerase mitochondrial	5442	903.6439903	-0.478602745	0.648968678	-0.73748204	0.460829261	0.999371363	Not Sig
ENSG00000229200	NA	NA	NA	3.960396308	-0.478475946	1.852406786	-0.258299608	0.796175689	NA	NA
ENSG00000229221	NA	NA	NA	2.54942128	-0.47845344	1.506911792	-0.317505937	0.750859735	NA	NA
ENSG00000131484	NA	NA	NA	3.240539647	-0.478375617	1.629154239	-0.293634332	0.769037338	NA	NA
ENSG00000255449	NA	NA	NA	11.93685873	-0.478358187	0.807439986	-0.59243807	0.55355728	0.999371363	Not Sig
ENSG00000103534	TMC5	transmembrane channel like 5	79838	4812.032497	-0.478319103	0.731754335	-0.653660772	0.513330382	0.999371363	Not Sig
ENSG00000204396	VWA7	von Willebrand factor A domain containing 7	80737	300.8456666	-0.478307398	0.557667403	-0.857692946	0.391062036	0.999371363	Not Sig
ENSG00000154589	LY96	lymphocyte antigen 96	23643	192.5303852	-0.478255845	0.719584451	-0.664627819	0.506288571	0.999371363	Not Sig
ENSG00000207137	SNORD116-13	small nucleolar RNA, C/D box 116-13	100033425	21.44866243	-0.478249178	0.780313782	-0.612893414	0.539946818	0.999371363	Not Sig
ENSG00000171703	TCEA2	transcription elongation factor A2	6919	422.4213629	-0.478078707	0.659904577	-0.724466421	0.468779435	0.999371363	Not Sig
ENSG00000150907	FOXO1	forkhead box O1	2308	1270.8743	-0.477994351	0.408314174	-1.170653338	0.241738148	0.999371363	Not Sig
ENSG00000005238	FAM214B	family with sequence similarity 214 member B	80256	558.8184586	-0.477991206	0.535836587	-0.8920466	0.372367955	0.999371363	Not Sig
ENSG00000254505	CHMP4A	charged multivesicular body protein 4A	29082	38.1823341	-0.47780169	0.627921647	-0.760925654	0.446701475	0.999371363	Not Sig
ENSG00000144152	FBLN7	fibulin 7	129804	183.6394553	-0.477659064	0.768511371	-0.621538056	0.534245663	0.999371363	Not Sig
ENSG00000187815	ZFP69	ZFP69 zinc finger protein	339559	105.4281801	-0.477595269	0.543444863	-0.878829302	0.379493836	0.999371363	Not Sig
ENSG00000206754	SNORD101	small nucleolar RNA, C/D box 101	594837	18.23499316	-0.477477923	0.900764022	-0.530081033	0.596055749	0.999371363	Not Sig
ENSG00000177508	IRX3	iroquois homeobox 3	79191	1145.306105	-0.477463387	0.531099761	-0.899008853	0.368647945	0.999371363	Not Sig
ENSG00000244692	NA	NA	NA	1.756586997	-0.477305438	1.93067706	-0.24722179	0.804736583	NA	NA

ENSG00000231170	NA	NA	NA	6.154918076	-0.477281737	1.383516479	-0.344977269	0.73011146	NA	NA
ENSG00000001630	CYP51A1	cytochrome P450 family 51 subfamily A member 1	1595	243.0103395	-0.476948196	0.767870078	-0.621131373	0.534513188	0.999371363	Not Sig
ENSG00000051382	PIK3CB	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta	5291	1328.813074	-0.476695601	0.632357795	-0.75383842	0.450946251	0.999371363	Not Sig
ENSG00000228124	NA	NA	NA	2.626389451	-0.476372963	1.411438893	-0.337508741	0.735733424	NA	NA
ENSG00000244558	NA	NA	NA	2.626389451	-0.476372963	1.411438893	-0.337508741	0.735733424	NA	NA
ENSG00000244267	NA	NA	NA	2.258293444	-0.476229779	1.764960754	-0.269824571	0.787295218	NA	NA
ENSG00000247828	TMEM161B-AS1	TMEM161B antisense RNA 1	100505894	322.0319737	-0.47611293	0.615885102	-0.773054794	0.439489953	0.999371363	Not Sig
ENSG00000135407	AVIL	advillin	10677	274.2858136	-0.476085751	0.729889474	-0.65227102	0.514226352	0.999371363	Not Sig
ENSG00000269444	NA	NA	NA	3.237937941	-0.475896716	1.415186532	-0.336278438	0.736660908	NA	NA
ENSG00000001617	SEMA3F	semaphorin 3F	6405	1127.316389	-0.475805254	0.793839298	-0.59937226	0.548924671	0.999371363	Not Sig
ENSG00000261437	LOC100288748	uncharacterized LOC100288748	100288748	41.14421948	-0.475456108	0.873491189	-0.544317006	0.586223347	0.999371363	Not Sig
ENSG00000267759	NA	NA	NA	14.77955616	-0.475389442	0.814535089	-0.583632858	0.559467349	0.999371363	Not Sig
ENSG00000259479	SORD2P	sorbitol dehydrogenase 2, pseudogene	653381	17.19285888	-0.475281569	0.942884277	-0.504072006	0.614210778	0.999371363	Not Sig
ENSG00000141933	TPGS1	tubulin polyglutamylase complex subunit 1	91978	284.6201308	-0.475019799	0.695296299	-0.683190461	0.4944865	0.999371363	Not Sig
ENSG00000241947	NA	NA	NA	1.206114892	-0.474821982	2.183182358	-0.217490756	0.82782591	NA	NA
ENSG00000139437	TCHP	trichoplein keratin filament binding	84260	440.4135404	-0.474797817	0.445531645	-1.065688199	0.286564614	0.999371363	Not Sig
ENSG00000257122	NA	NA	NA	212.6441469	-0.47457389	0.491778765	-0.965015009	0.334537294	0.999371363	Not Sig
ENSG00000264878	NA	NA	NA	18.43526889	-0.474493955	0.725568106	-0.65396198	0.513136301	0.999371363	Not Sig
ENSG00000078596	ITM2A	integral membrane protein 2A	9452	380.574709	-0.474456925	0.879016014	-0.539759138	0.589363151	0.999371363	Not Sig
ENSG00000182118	FAM89A	family with sequence similarity 89 member A	375061	258.1816416	-0.474137173	0.536540605	-0.883692992	0.376861964	0.999371363	Not Sig
ENSG00000262380	NA	NA	NA	22.25454524	-0.47412175	0.735526391	-0.644601955	0.519185168	0.999371363	Not Sig
ENSG00000181220	ZNF746	zinc finger protein 746	155061	842.8143198	-0.474079757	0.490460413	-0.966601472	0.333743299	0.999371363	Not Sig
ENSG00000215158	NA	NA	NA	623.0561589	-0.474009938	0.752371733	-0.630020929	0.528680891	0.999371363	Not Sig
ENSG00000113248	PCDHB15	protocadherin beta 15	56121	106.1833993	-0.473998653	0.69026552	-0.686690323	0.492277896	0.999371363	Not Sig
ENSG00000244560	LOC155060	AI894139 pseudogene	155060	70.56643639	-0.473988004	0.55723631	-0.850605022	0.394988799	0.999371363	Not Sig
ENSG00000231249	NA	NA	NA	18.65706872	-0.473976731	0.750521583	-0.631529781	0.527694183	0.999371363	Not Sig
ENSG00000165695	AK8	adenylate kinase 8	158067	65.22942815	-0.473719193	0.608962294	-0.777912192	0.43662078	0.999371363	Not Sig
ENSG00000182492	BGN	biglycan	633	7851.028193	-0.473662331	0.407017345	-1.163739916	0.244529428	0.999371363	Not Sig
ENSG00000240589	NA	NA	NA	14.66202146	-0.473607611	0.946857545	-0.500188876	0.616942091	0.999371363	Not Sig
ENSG00000241158	ADAMTS9-AS1	ADAMTS9 antisense RNA 1	101929335	20.48114592	-0.473332187	0.938192819	-0.504514827	0.613899646	0.999371363	Not Sig
ENSG00000201728	NA	NA	NA	1.658031612	-0.473292802	2.284268011	-0.207196704	0.835856241	NA	NA
ENSG00000106665	CLIP2	CAP-Gly domain containing linker protein 2	7461	842.1172964	-0.473175662	0.776609635	-0.60928379	0.54233635	0.999371363	Not Sig
ENSG00000183016	NA	NA	NA	1.145038506	-0.47304245	2.507069274	-0.188683438	0.850340933	NA	NA
ENSG00000265664	NA	NA	NA	1.145038506	-0.47304245	2.507069274	-0.188683438	0.850340933	NA	NA
ENSG00000266751	MIR3661	microRNA 3661	100500905	1.998949176	-0.47303723	1.840678629	-0.256990668	0.797185977	NA	NA

ENSG00000269374	NA	NA	NA	16.37892444	-0.473003502	0.717581666	-0.659163305	0.509790908	0.999371363	Not Sig
ENSG00000005801	ZNF195	zinc finger protein 195	7748	598.4049696	-0.472923142	0.597982679	-0.790864281	0.429023194	0.999371363	Not Sig
ENSG00000095209	TMEM38B	transmembrane protein 38B	55151	152.7446432	-0.472712039	0.529090379	-0.893442893	0.371620041	0.999371363	Not Sig
ENSG00000186352	ANKRD37	ankyrin repeat domain 37	353322	367.2253605	-0.472469852	0.603770614	-0.782532043	0.433901962	0.999371363	Not Sig
ENSG00000114127	XRN1	5'-3' exoribonuclease 1	54464	2994.857162	-0.472433683	0.63527564	-0.743667242	0.457077812	0.999371363	Not Sig
ENSG00000130177	CDC16	cell division cycle 16	8881	1225.294136	-0.472239589	0.479026293	-0.985832295	0.324215415	0.999371363	Not Sig
ENSG00000168070	MAJIN	membrane anchored junction protein	283129	4.50899361	-0.472048091	1.856611899	-0.254252432	0.799300546	NA	NA
ENSG00000229794	NA	NA	NA	26.16599426	-0.47199843	1.163328522	-0.405730987	0.684940272	0.999371363	Not Sig
ENSG00000186298	PPP1CC	protein phosphatase 1 catalytic subunit gamma	5501	1806.46833	-0.471994421	0.511980005	-0.921900106	0.356580684	0.999371363	Not Sig
ENSG00000257531	NA	NA	NA	17.47231361	-0.471886168	0.731252429	-0.645312274	0.51872484	0.999371363	Not Sig
ENSG00000230673	NA	NA	NA	26.19856243	-0.471859738	0.815330765	-0.578734127	0.562768585	0.999371363	Not Sig
ENSG00000254272	NA	NA	NA	21.01226153	-0.471773626	0.736644161	-0.640436253	0.52188902	0.999371363	Not Sig
ENSG00000251247	ZNF345	zinc finger protein 345	25850	186.4593052	-0.471702965	0.525571587	-0.897504691	0.369449671	0.999371363	Not Sig
ENSG00000112715	VEGFA	vascular endothelial growth factor A	7422	6032.115714	-0.471701543	0.656289208	-0.718740362	0.472300909	0.999371363	Not Sig
ENSG00000160124	CCDC58	coiled-coil domain containing 58	131076	166.4693785	-0.471687854	0.659911516	-0.714774395	0.47474846	0.999371363	Not Sig
ENSG00000229206	NA	NA	NA	84.47590927	-0.471120924	0.714133749	-0.659709647	0.509440174	0.999371363	Not Sig
ENSG00000270101	NA	NA	NA	55.1075447	-0.471041079	0.723491701	-0.651066319	0.515003677	0.999371363	Not Sig
ENSG00000107669	ATE1	arginyltransferase 1	11101	964.7261806	-0.470798764	0.44899023	-1.048572403	0.294374963	0.999371363	Not Sig
ENSG00000117298	ECE1	endothelin converting enzyme 1	1889	3980.555571	-0.470758297	0.609154984	-0.772805459	0.439637522	0.999371363	Not Sig
ENSG00000188493	C19orf54	chromosome 19 open reading frame 54	284325	231.9430454	-0.470699105	0.443039158	-1.062432284	0.288039484	0.999371363	Not Sig
ENSG00000066697	MSANTD3	Myb/SANT DNA binding domain containing 3	91283	241.8645899	-0.470579637	0.582075449	-0.808451272	0.418830847	0.999371363	Not Sig
ENSG00000102595	UGGT2	UDP-glucose glycoprotein glucosyltransferase 2	55757	982.2457886	-0.470237965	0.633533398	-0.742246528	0.457937983	0.999371363	Not Sig
ENSG00000142534	RPS11	ribosomal protein S11	6205	7668.148562	-0.47004837	0.452683413	-1.038360047	0.299102463	0.999371363	Not Sig
ENSG00000222019	URAHP	urate (hydroxyiso-) hydrolase, pseudogene	100130015	25.69997452	-0.469922198	0.999785239	-0.470023141	0.638338485	0.999371363	Not Sig
ENSG00000196116	TDRD7	tudor domain containing 7	23424	589.150716	-0.469886824	0.393264152	-1.194837672	0.232150459	0.999371363	Not Sig
ENSG00000215515	NA	NA	NA	4.170538236	-0.469329992	1.293232911	-0.362912193	0.716670478	NA	NA
ENSG00000141027	NCOR1	nuclear receptor corepressor 1	9611	5595.890695	-0.46911478	0.471035582	-0.995922172	0.319287962	0.999371363	Not Sig
ENSG00000196642	RABL6	RAB, member RAS oncogene family like 6	55684	1927.908922	-0.469084007	0.545696528	-0.859605995	0.390006269	0.999371363	Not Sig
ENSG00000225447	NA	NA	NA	54.12973406	-0.468834853	0.724483388	-0.647129887	0.517547884	0.999371363	Not Sig
ENSG00000213341	CHUK	conserved helix-loop-helix ubiquitous kinase	1147	659.4397871	-0.468494868	0.495159704	-0.946149019	0.344072585	0.999371363	Not Sig
ENSG00000263834	MIR4635	microRNA 4635	100616479	11.92395619	-0.468378666	0.866762738	-0.54037702	0.588937052	0.999371363	Not Sig
ENSG00000203325	NA	NA	NA	1.833555167	-0.468281314	1.7111718	-0.273661192	0.784345004	NA	NA
ENSG00000153707	PTPRD	protein tyrosine phosphatase, receptor type D	5789	561.8834959	-0.468265125	0.667038571	-0.70200607	0.482675378	0.999371363	Not Sig
ENSG00000179715	PCED1B	PC-esterase domain containing 1B	91523	278.331517	-0.468260444	0.454163461	-1.031039449	0.302522321	0.999371363	Not Sig
ENSG00000119392	GLE1	GLE1, RNA export mediator	2733	752.688304	-0.468080764	0.413258895	-1.132657444	0.257358135	0.999371363	Not Sig

ENSG00000123219	CENPK	centromere protein K	64105	117.0694058	-0.467850697	0.985876054	-0.474553261	0.635105427	0.999371363	Not Sig
ENSG00000160285	LSS	lanosterol synthase	4047	1364.267309	-0.467754187	0.713472981	-0.655601822	0.512080353	0.999371363	Not Sig
ENSG00000138463	DIRC2	disrupted in renal carcinoma 2	84925	568.9568539	-0.467676857	0.506367869	-0.923591101	0.355699249	0.999371363	Not Sig
ENSG00000198682	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	9060	2490.157997	-0.46741044	0.538690028	-0.867679772	0.385569663	0.999371363	Not Sig
ENSG00000114861	FOXP1	forkhead box P1	27086	3459.623339	-0.467392668	0.443559279	-1.053732139	0.29200557	0.999371363	Not Sig
ENSG00000232656	IDI2-AS1	IDI2 antisense RNA 1	55853	4.992399665	-0.467390225	1.539751852	-0.303549058	0.761471467	NA	NA
ENSG00000133119	RFC3	replication factor C subunit 3	5983	160.7353961	-0.467174835	0.646684834	-0.722415016	0.470039357	0.999371363	Not Sig
ENSG00000259605	NA	NA	NA	76.35249858	-0.46717007	0.532761696	-0.876883743	0.380549787	0.999371363	Not Sig
ENSG00000244657	NA	NA	NA	2.560292931	-0.466995441	1.730349944	-0.269884969	0.787248751	NA	NA
ENSG00000081818	PCDHB4	protocadherin beta 4	56131	77.86166021	-0.466943832	0.623276772	-0.749175731	0.453751295	0.999371363	Not Sig
ENSG00000133641	C12orf29	chromosome 12 open reading frame 29	91298	238.9609539	-0.466815894	0.526921267	-0.885931017	0.375654701	0.999371363	Not Sig
ENSG00000228768	NA	NA	NA	9.801565735	-0.466591154	1.044582207	-0.446677295	0.655108078	0.999371363	Not Sig
ENSG00000154839	SKA1	spindle and kinetochore associated complex subunit 1	220134	44.56459244	-0.466528801	1.030693101	-0.452635999	0.650810872	0.999371363	Not Sig
ENSG00000265287	NA	NA	NA	2.893328367	-0.466040833	1.978433793	-0.23556049	0.813773735	NA	NA
ENSG00000204520	MICA	MHC class I polypeptide-related sequence A	100507436	435.0502962	-0.465950333	0.755890843	-0.616425423	0.537613778	0.999371363	Not Sig
ENSG00000169871	TRIM56	tripartite motif containing 56	81844	1742.928253	-0.465944797	0.542602286	-0.858722509	0.390493629	0.999371363	Not Sig
ENSG00000164961	WASHC5	WASH complex subunit 5	9897	1566.284608	-0.465895946	0.535721295	-0.869661053	0.384485662	0.999371363	Not Sig
ENSG00000263214	NA	NA	NA	13.88964395	-0.465860133	0.965465435	-0.482523886	0.629433835	0.999371363	Not Sig
ENSG00000064393	HIPK2	homeodomain interacting protein kinase 2	28996	6180.485318	-0.465803657	0.53154328	-0.876323103	0.380854409	0.999371363	Not Sig
ENSG00000136122	BORA	bora, aurora kinase A activator	79866	121.1492571	-0.465658159	0.745984057	-0.624219988	0.532483122	0.999371363	Not Sig
ENSG00000242152	NA	NA	NA	15.25998688	-0.465618557	1.309906579	-0.355459362	0.722245484	0.999371363	Not Sig
ENSG00000092140	G2E3	G2/M-phase specific E3 ubiquitin protein ligase	55632	569.8040784	-0.465255753	0.659961481	-0.704974102	0.480826353	0.999371363	Not Sig
ENSG00000075407	ZNF37A	zinc finger protein 37A	7587	949.1327367	-0.464924007	0.491918943	-0.945123203	0.344595981	0.999371363	Not Sig
ENSG00000247137	NA	NA	NA	105.4858837	-0.464749714	0.597503255	-0.777819553	0.436675399	0.999371363	Not Sig
ENSG00000188050	RNF133	ring finger protein 133	168433	44.21598516	-0.464628401	0.826407268	-0.562226906	0.573961432	0.999371363	Not Sig
ENSG00000233230	NA	NA	NA	17.95081696	-0.464473609	0.685503809	-0.677565322	0.49804734	0.999371363	Not Sig
ENSG00000165813	CCDC186	coiled-coil domain containing 186	55088	1993.008018	-0.464461152	0.648860147	-0.715810879	0.474108134	0.999371363	Not Sig
ENSG00000252549	NA	NA	NA	16.99046878	-0.464414372	0.756447686	-0.613941163	0.539254208	0.999371363	Not Sig
ENSG00000131061	ZNF341	zinc finger protein 341	84905	176.6062048	-0.464397377	0.615313954	-0.7547324	0.450409562	0.999371363	Not Sig
ENSG00000164068	RNF123	ring finger protein 123	63891	967.9197122	-0.464362385	0.444680837	-1.044259941	0.296365141	0.999371363	Not Sig
ENSG00000116254	CHD5	chromodomain helicase DNA binding protein 5	26038	12.81079097	-0.464238042	0.981629952	-0.47292571	0.636266182	0.999371363	Not Sig
ENSG00000158411	MITD1	microtubule interacting and trafficking domain containing 1	129531	253.1470725	-0.464097182	0.662099274	-0.70094803	0.483335448	0.999371363	Not Sig
ENSG00000196338	NLGN3	neuroligin 3	54413	52.71574226	-0.463738319	0.605516253	-0.765856105	0.443761926	0.999371363	Not Sig
ENSG00000251333	NA	NA	NA	1.458606617	-0.463524777	2.024441904	-0.228964228	0.81889672	NA	NA
ENSG00000248785	NA	NA	NA	7.827475262	-0.463508774	1.057593495	-0.438267422	0.661192439	0.999371363	Not Sig

ENSG00000158292	GPR153	G protein-coupled receptor 153	387509	680.4678796	-0.463436239	0.730310553	-0.634574206	0.525706156	0.999371363	Not Sig
ENSG00000204514	ZNF814	zinc finger protein 814	730051	212.8039524	-0.463406044	0.442215103	-1.047919983	0.294675475	0.999371363	Not Sig
ENSG00000241529	NA	NA	NA	5.590679752	-0.46331815	1.250136736	-0.370613979	0.710925069	NA	NA
ENSG00000270408	NA	NA	NA	4.725311414	-0.463280579	1.128624883	-0.410482337	0.681452158	NA	NA
ENSG00000147485	PXN1L	peroxidasin like	137902	32.36745511	-0.463269116	0.713313549	-0.649460698	0.516040642	0.999371363	Not Sig
ENSG00000163508	EOMES	eomesodermin	8320	89.07605723	-0.463089382	0.940204229	-0.492541267	0.622336757	0.999371363	Not Sig
ENSG00000120256	LRP11	LDL receptor related protein 11	84918	1337.501822	-0.463009772	0.608868138	-0.760443425	0.446989574	0.999371363	Not Sig
ENSG00000134759	ELP2	elongator acetyltransferase complex subunit 2	55250	1487.32531	-0.462703755	0.490144308	-0.94401536	0.345161799	0.999371363	Not Sig
ENSG00000155465	SLC7A7	solute carrier family 7 member 7	9056	637.0659818	-0.462549433	0.747274814	-0.618981699	0.535928415	0.999371363	Not Sig
ENSG00000138380	CARF	calcium responsive transcription factor	79800	401.8827459	-0.462308805	0.601152326	-0.769037705	0.441870928	0.999371363	Not Sig
ENSG00000258603	NA	NA	NA	5.273923918	-0.4622259	1.184488318	-0.390232553	0.696364592	NA	NA
ENSG00000038210	PI4K2B	phosphatidylinositol 4-kinase type 2 beta	55300	1248.273868	-0.462124774	0.546969756	-0.844881766	0.398176856	0.999371363	Not Sig
ENSG00000198105	ZNF248	zinc finger protein 248	57209	604.6273503	-0.461895228	0.517200228	-0.893068492	0.371820495	0.999371363	Not Sig
ENSG00000169857	AVEN	apoptosis and caspase activation inhibitor	57099	162.4113606	-0.461772757	0.473075894	-0.976116648	0.329006662	0.999371363	Not Sig
ENSG00000114744	COMM2	COMM domain containing 2	51122	481.1870156	-0.461654173	0.515833252	-0.894967844	0.370804278	0.999371363	Not Sig
ENSG00000269533	NA	NA	NA	6.769594526	-0.461602431	1.118979211	-0.412521007	0.679957586	0.999371363	Not Sig
ENSG00000242182	NA	NA	NA	7.78340401	-0.461486417	1.263456495	-0.36525707	0.714919521	0.999371363	Not Sig
ENSG00000049759	NEDD4L	<small>general transcription factor IIId, developmentally down-regulated 4-like, E1 ubiquitin protein ligase</small>	23327	4967.38479	-0.461461206	0.398256768	-1.158702735	0.246577376	0.999371363	Not Sig
ENSG00000140307	GTF2A2	general transcription factor IIA subunit 2	2958	337.5015161	-0.461447715	0.579116162	-0.796813741	0.425559213	0.999371363	Not Sig
ENSG00000263585	NA	NA	NA	5.129907069	-0.461441908	1.260308485	-0.366134096	0.714265016	NA	NA
ENSG00000196150	ZNF250	zinc finger protein 250	58500	430.6414923	-0.461095894	0.446865735	-1.031844373	0.302145029	0.999371363	Not Sig
ENSG00000232129	NA	NA	NA	1.503680264	-0.460893717	2.304229754	-0.20002073	0.841464369	NA	NA
ENSG00000233382	NKAPP1	NFKB activating protein pseudogene 1	158801	121.078286	-0.460879195	0.531558603	-0.867033649	0.385923573	0.999371363	Not Sig
ENSG00000270640	NA	NA	NA	98.73029891	-0.460773829	0.709402613	-0.649523726	0.515999916	0.999371363	Not Sig
ENSG00000105808	RASA4	RAS p21 protein activator 4	10156	76.03354706	-0.460428603	0.526308195	-0.874826969	0.381668061	0.999371363	Not Sig
ENSG00000105808	LOC102724229	uncharacterized LOC102724229	102724229	76.03354706	-0.460428603	0.526308195	-0.874826969	0.381668061	0.999371363	Not Sig
ENSG00000133056	PIK3C2B	<small>phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta</small>	5287	2002.803475	-0.460379054	0.404189969	-1.139016526	0.254696262	0.999371363	Not Sig
ENSG00000074276	CDHR2	cadherin related family member 2	54825	10.84725072	-0.460352225	1.052630117	-0.437335221	0.661868256	0.999371363	Not Sig
ENSG00000211833	NA	NA	NA	1.135584258	-0.460103493	2.510626952	-0.183262389	0.854592144	NA	NA
ENSG00000201512	SNORA71C	small nucleolar RNA, H/ACA box 71C	677839	15.7354607	-0.459969966	0.812776368	-0.565924385	0.571445184	0.999371363	Not Sig
ENSG00000147526	TACC1	transforming acidic coiled-coil containing protein 1	6867	5633.900548	-0.459942281	0.693039756	-0.663659302	0.506908393	0.999371363	Not Sig
ENSG00000199121	MIR26B	microRNA 26b	407017	6.635419743	-0.459820881	1.007712072	-0.456301848	0.648172935	0.999371363	Not Sig
ENSG00000188833	ENTPD8	ectonucleoside triphosphate diphosphohydrolase 8	377841	68.04415069	-0.459759141	1.110508244	-0.414007859	0.678868351	0.999371363	Not Sig
ENSG00000110888	CAPRN2	caprin family member 2	65981	570.4328304	-0.459649735	0.523953705	-0.877271657	0.380339103	0.999371363	Not Sig
ENSG00000145331	TRMT10A	tRNA methyltransferase 10A	93587	137.0459484	-0.45931695	0.651261714	-0.705272459	0.480640696	0.999371363	Not Sig

ENSG00000203286	NA	NA	NA	20.63895395	-0.459235005	0.780920324	-0.588068963	0.556486005	0.999371363	Not Sig
ENSG00000133624	ZNF767P	zinc finger family member 767, pseudogene	79970	550.5781105	-0.459045789	0.457161988	-1.004120642	0.315320467	0.999371363	Not Sig
ENSG00000127334	DYRK2	dual specificity tyrosine phosphorylation regulated kinase 2	8445	1194.149231	-0.458962103	0.510320108	-0.899361196	0.368460301	0.999371363	Not Sig
ENSG00000104960	PTOV1	prostate tumor overexpressed 1	53635	1575.918466	-0.458750545	0.449107272	-1.021472093	0.307030824	0.999371363	Not Sig
ENSG00000111605	CPSF6	cleavage and polyadenylation specific factor 6	11052	2216.260207	-0.458527209	0.585456417	-0.783196146	0.433511938	0.999371363	Not Sig
ENSG00000124795	DEK	DEK proto-oncogene	7913	3108.621769	-0.4583029	0.596323456	-0.768547499	0.442161983	0.999371363	Not Sig
ENSG00000232545	NA	NA	NA	122.7229202	-0.457978707	0.587125846	-0.780034997	0.435370276	0.999371363	Not Sig
ENSG00000265280	NA	NA	NA	7.275735089	-0.457910288	1.000879949	-0.457507704	0.647306166	0.999371363	Not Sig
ENSG00000266347	NA	NA	NA	2.192196925	-0.457895718	1.59136876	-0.287737029	0.773548043	NA	NA
ENSG00000257509	NA	NA	NA	29.36329364	-0.457735574	0.784803884	-0.583248355	0.559726124	0.999371363	Not Sig
ENSG00000218565	NA	NA	NA	5.541897803	-0.457475727	1.634982227	-0.27980471	0.779627338	NA	NA
ENSG00000127980	PEX1	peroxisomal biogenesis factor 1	5189	665.4084714	-0.457155749	0.549087056	-0.832574259	0.405084881	0.999371363	Not Sig
ENSG00000141098	GFOD2	glucose-fructose oxidoreductase domain containing 2	81577	512.1138202	-0.45702331	0.52473773	-0.870955687	0.383778349	0.999371363	Not Sig
ENSG00000177917	ARL6IP6	ADP ribosylation factor like GTPase 6 interacting protein 6	151188	352.567118	-0.456906571	0.406010086	-1.125357687	0.260437494	0.999371363	Not Sig
ENSG00000112742	TTK	TTK protein kinase	7272	107.5368685	-0.456876636	1.051887919	-0.434339655	0.664041811	0.999371363	Not Sig
ENSG00000130429	ARPC1B	actin related protein 2/3 complex subunit 1B	10095	2359.12975	-0.456788297	0.508469389	-0.898359483	0.36899393	0.999371363	Not Sig
ENSG00000252516	NA	NA	NA	7.744396654	-0.456110247	1.092633111	-0.417441355	0.676355611	0.999371363	Not Sig
ENSG00000115112	TFCP2L1	transcription factor CP2 like 1	29842	1152.346986	-0.456077018	0.607658996	-0.750547628	0.45292495	0.999371363	Not Sig
ENSG00000255231	NA	NA	NA	0.85391067	-0.455999273	3.177747828	-0.143497627	0.885897185	NA	NA
ENSG00000265536	NA	NA	NA	0.85391067	-0.455999273	3.177747828	-0.143497627	0.885897185	NA	NA
ENSG00000253392	NA	NA	NA	9.773097137	-0.455907292	0.968810243	-0.470584714	0.637937325	0.999371363	Not Sig
ENSG00000231066	NA	NA	NA	1.993929043	-0.45572354	1.924841546	-0.23675899	0.812843768	NA	NA
ENSG00000106633	GCK	glucokinase	2645	10.79727813	-0.455710187	1.141935696	-0.399068169	0.689842976	0.999371363	Not Sig
ENSG00000161016	RPL8	ribosomal protein L8	6132	11167.29839	-0.455577166	0.492361199	-0.925290552	0.354814792	0.999371363	Not Sig
ENSG00000108292	NA	NA	NA	5930.740192	-0.45545292	0.479935178	-0.948988408	0.342626508	0.999371363	Not Sig
ENSG00000130703	OSBPL2	oxysterol binding protein like 2	9885	1526.205887	-0.455428176	0.420895029	-1.082046934	0.279231673	0.999371363	Not Sig
ENSG00000240291	NA	NA	NA	60.62096985	-0.455378847	0.53717146	-0.847734627	0.396585777	0.999371363	Not Sig
ENSG00000254003	LOC102723885	uncharacterized LOC102723885	102723885	3.206481471	-0.455135878	1.452027062	-0.313448619	0.753939851	NA	NA
ENSG00000137804	NUSAP1	nucleolar and spindle associated protein 1	51203	283.5759261	-0.45501322	1.039230169	-0.437836808	0.661504587	0.999371363	Not Sig
ENSG00000272434	NA	NA	NA	5.257617127	-0.454953477	1.139442681	-0.399277194	0.689688969	NA	NA
ENSG00000170430	MGMT	0-6-methylguanine-DNA methyltransferase	4255	342.5056307	-0.454718066	0.527636372	-0.861801972	0.388796499	0.999371363	Not Sig
ENSG00000258472	NA	NA	NA	73.11708778	-0.454599416	0.622865568	-0.729851575	0.465480915	0.999371363	Not Sig
ENSG00000239763	NA	NA	NA	44.62477262	-0.454440364	0.543652012	-0.835903031	0.403209457	0.999371363	Not Sig
ENSG00000213995	NAXD	NAD(P)HX dehydratase	55739	659.9888388	-0.45439584	0.598210917	-0.759591353	0.447498889	0.999371363	Not Sig
ENSG00000196724	ZNF418	zinc finger protein 418	147686	196.9053937	-0.454284785	0.725663976	-0.62602637	0.531297645	0.999371363	Not Sig

ENSG00000133250	ZNF414	zinc finger protein 414	84330	228.398905	-0.454229674	0.680387231	-0.667604643	0.504385993	0.999371363	Not Sig
ENSG00000167595	PROSER3	proline and serine rich 3	148137	421.3261824	-0.454080733	0.445689874	-1.018826677	0.308285259	0.999371363	Not Sig
ENSG00000243988	NA	NA	NA	1.11283993	-0.454003064	2.203129636	-0.206071879	0.836734764	NA	NA
ENSG00000174748	RPL15	ribosomal protein L15	6138	9508.003648	-0.453922305	0.535896689	-0.847033232	0.396976599	0.999371363	Not Sig
ENSG00000238317	SNORD11	small nucleolar RNA, C/D box 11	692058	12.62562064	-0.453848761	1.009322133	-0.449656999	0.652957782	0.999371363	Not Sig
ENSG00000229874	NA	NA	NA	123.5550935	-0.453724136	0.701719507	-0.646589031	0.517897959	0.999371363	Not Sig
ENSG00000183793	NPIPA5	nuclear pore complex interacting protein family member A5	100288332	27.89132023	-0.453625066	1.058787996	-0.428438051	0.668332226	0.999371363	Not Sig
ENSG00000185028	LRRC14B	leucine rich repeat containing 14B	389257	0.71084598	-0.453592027	3.387099406	-0.133917542	0.893467779	NA	NA
ENSG00000207251	NA	NA	NA	0.71084598	-0.453592027	3.387099406	-0.133917542	0.893467779	NA	NA
ENSG00000207499	NA	NA	NA	0.71084598	-0.453592027	3.387099406	-0.133917542	0.893467779	NA	NA
ENSG00000213939	NA	NA	NA	0.71084598	-0.453592027	3.387099406	-0.133917542	0.893467779	NA	NA
ENSG00000254219	NA	NA	NA	0.71084598	-0.453592027	3.387099406	-0.133917542	0.893467779	NA	NA
ENSG00000259713	NA	NA	NA	0.71084598	-0.453592027	3.387099406	-0.133917542	0.893467779	NA	NA
ENSG00000261054	NA	NA	NA	6.492222012	-0.453403124	1.065999211	-0.425331576	0.670594978	NA	NA
ENSG00000158169	FANCC	Fanconi anemia complementation group C	2176	334.1717713	-0.453290877	0.514442896	-0.881129627	0.378247663	0.999371363	Not Sig
ENSG00000264160	MIR4762	microRNA 4762	100616253	9.067195234	-0.453167484	1.130812196	-0.400745133	0.688607778	0.999371363	Not Sig
ENSG00000273179	NA	NA	NA	29.1757532	-0.452616229	0.826685268	-0.547507312	0.584030248	0.999371363	Not Sig
ENSG00000164284	GRPEL2	GrpE like 2, mitochondrial	134266	441.4196605	-0.4525232	0.452518839	-1.000009638	0.317305844	0.999371363	Not Sig
ENSG00000142046	TMEM91	transmembrane protein 91	641649	133.6357752	-0.45252104	0.524681847	-0.862467498	0.388430311	0.999371363	Not Sig
ENSG00000187498	COL4A1	collagen type IV alpha 1 chain	1282	15167.4246	-0.452460226	0.48886534	-0.925531408	0.354689554	0.999371363	Not Sig
ENSG00000198673	FAM19A2	family with sequence similarity 19 member A2, C-C motif chemokine like	338811	56.4009578	-0.452377312	0.55947171	-0.808579422	0.418757105	0.999371363	Not Sig
ENSG00000145723	GIN1	gypsy retrotransposon integrase 1	54826	142.6999501	-0.452367637	0.570275349	-0.793244242	0.427635535	0.999371363	Not Sig
ENSG00000226084	NA	NA	NA	15.22797561	-0.452144216	0.74978439	-0.603032314	0.546487193	0.999371363	Not Sig
ENSG00000178430	NA	NA	NA	11.49038391	-0.452006363	1.10808886	-0.407915267	0.683335884	0.999371363	Not Sig
ENSG00000134574	DDB2	damage specific DNA binding protein 2	1643	391.0390933	-0.451725063	0.464721704	-0.972033496	0.331033885	0.999371363	Not Sig
ENSG00000078142	PIK3C3	phosphatidylinositol 3-kinase catalytic subunit type 3	5289	1179.035626	-0.45137489	0.519800387	-0.868361974	0.385196205	0.999371363	Not Sig
ENSG00000221909	FAM200A	family with sequence similarity 200 member A	221786	187.4862267	-0.451359654	0.500888325	-0.901118336	0.367525405	0.999371363	Not Sig
ENSG00000185839	NA	NA	NA	3.916170338	-0.451278635	1.262267252	-0.357514334	0.720706798	NA	NA
ENSG00000167625	ZNF526	zinc finger protein 526	116115	367.5895689	-0.450673553	0.466936822	-0.965170301	0.33445952	0.999371363	Not Sig
ENSG00000006747	SCIN	scinderin	85477	372.080969	-0.450640879	1.067301769	-0.422224428	0.672861213	0.999371363	Not Sig
ENSG00000105723	GSK3A	glycogen synthase kinase 3 alpha	2931	669.5796001	-0.450511966	0.416818225	-1.080835575	0.279770261	0.999371363	Not Sig
ENSG00000241772	NA	NA	NA	11.95998107	-0.45051186	0.88043945	-0.51168977	0.608868147	0.999371363	Not Sig
ENSG00000266555	MIR3145	microRNA 3145	100423001	11.30746043	-0.450399381	0.951712655	-0.473251436	0.636033805	0.999371363	Not Sig
ENSG00000218226	NA	NA	NA	2.593775867	-0.450321029	1.500797546	-0.300054482	0.764135599	NA	NA
ENSG00000213598	NA	NA	NA	3.95294685	-0.450206722	1.610781146	-0.279495898	0.779864286	NA	NA

ENSG00000148019	CEP78	centrosomal protein 78	84131	441.1341481	-0.450202216	0.462418524	-0.973581707	0.330264273	0.999371363	Not Sig
ENSG00000104341	LAPTM4B	lysosomal protein transmembrane 4 beta	55353	3341.328726	-0.450001998	0.759101924	-0.592808402	0.553309384	0.999371363	Not Sig
ENSG00000120800	UTP20	UTP20, small subunit processome component	27340	1197.436751	-0.449914119	0.530204645	-0.848566912	0.396122325	0.999371363	Not Sig
ENSG00000264442	NA	NA	NA	12.22578455	-0.449819374	0.813063363	-0.553240244	0.580098913	0.999371363	Not Sig
ENSG00000259690	NA	NA	NA	2.807371191	-0.44981338	1.745711325	-0.257667676	0.796663395	NA	NA
ENSG00000007047	MARK4	microtubule affinity regulating kinase 4	57787	787.8313425	-0.449579821	0.48522556	-0.926537797	0.354166564	0.999371363	Not Sig
ENSG00000109265	KIAA1211	KIAA1211	57482	233.954126	-0.449569606	0.556882437	-0.807297154	0.419495303	0.999371363	Not Sig
ENSG00000213753	CENPB1P1	CENPB DNA-binding domains containing 1 pseudogene 1	65996	401.8413077	-0.449550758	0.631074168	-0.712358042	0.476243091	0.999371363	Not Sig
ENSG00000105221	AKT2	AKT serine/threonine kinase 2	208	1838.246977	-0.449399825	0.465527999	-0.965355095	0.334366985	0.999371363	Not Sig
ENSG00000126457	PRMT1	protein arginine methyltransferase 1	3276	1097.247586	-0.44912811	0.438428968	-1.024403366	0.305644793	0.999371363	Not Sig
ENSG00000243659	NA	NA	NA	7.566425831	-0.449126842	1.04842015	-0.428384404	0.668371277	0.999371363	Not Sig
ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor	5329	1071.056003	-0.449112414	0.62645478	-0.716911146	0.473428924	0.999371363	Not Sig
ENSG00000144362	PHOSPHO2	phosphatase, orphan 2	493911	84.26456943	-0.44900601	0.666638317	-0.673537656	0.500605301	0.999371363	Not Sig
ENSG00000272189	NA	NA	NA	11.11585643	-0.448873466	1.215514235	-0.369286885	0.7119139	0.999371363	Not Sig
ENSG00000206561	COLQ	collagen like tail subunit of asymmetric acetylcholinesterase	8292	85.61023387	-0.448770822	0.692971938	-0.647603168	0.517241648	0.999371363	Not Sig
ENSG00000112972	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1	3157	1191.65704	-0.448540862	0.425645088	-1.053790764	0.291978723	0.999371363	Not Sig
ENSG00000197502	NA	NA	NA	22.31065365	-0.448474291	0.775509586	-0.578296257	0.563064121	0.999371363	Not Sig
ENSG00000218823	PAPOLB	poly(A) polymerase beta	56903	8.082280932	-0.448323523	1.064000389	-0.421356541	0.673494749	0.999371363	Not Sig
ENSG00000189283	FHIT	fragile histidine triad	2272	148.8321211	-0.448106407	0.622018065	-0.720407384	0.471274205	0.999371363	Not Sig
ENSG00000169045	HNRNPH1	heterogeneous nuclear ribonucleoprotein H1	3187	9811.846486	-0.448010373	0.554095157	-0.808544107	0.418777426	0.999371363	Not Sig
ENSG00000207162	NA	NA	NA	6.954983192	-0.447772776	1.161964681	-0.385358336	0.699971947	0.999371363	Not Sig
ENSG00000252192	NA	NA	NA	10.63926967	-0.447729569	0.881644492	-0.50783459	0.61156935	0.999371363	Not Sig
ENSG00000126247	CAPNS1	calpain small subunit 1	826	3260.042115	-0.447445109	0.444021109	-1.007711346	0.313593056	0.999371363	Not Sig
ENSG00000231544	NA	NA	NA	1.542012323	-0.4474272	1.979358893	-0.226046525	0.821165235	NA	NA
ENSG00000101150	TPD52L2	tumor protein D52 like 2	7165	2061.337899	-0.447367385	0.38424686	-1.164270763	0.244314301	0.999371363	Not Sig
ENSG00000170892	TSEN34	tRNA splicing endonuclease subunit 34	79042	679.2891901	-0.447365591	0.440502381	-1.015580416	0.309829235	0.999371363	Not Sig
ENSG00000267281	NA	NA	NA	6.09625059	-0.447359344	1.437868899	-0.311126657	0.755704337	NA	NA
ENSG00000240303	ACAD11	acyl-CoA dehydrogenase family member 11	84129	107.0882329	-0.447030202	0.477467444	-0.936252739	0.349143075	0.999371363	Not Sig
ENSG00000141526	SLC16A3	solute carrier family 16 member 3	9123	2533.679019	-0.447019504	0.548227761	-0.815390127	0.414849034	0.999371363	Not Sig
ENSG00000227540	DNAJC9-AS1	DNAJC9 antisense RNA 1	414245	15.82891411	-0.447018409	0.762539049	-0.58622363	0.557725244	0.999371363	Not Sig
ENSG00000257704	INAFM1	InaF motif containing 1	255783	248.6784239	-0.446668881	0.761697158	-0.586412692	0.557598217	0.999371363	Not Sig
ENSG00000148737	TCF7L2	transcription factor 7 like 2	6934	1402.785533	-0.446655192	0.510611684	-0.874745342	0.381712483	0.999371363	Not Sig
ENSG00000125823	CSTL1	cystatin like 1	128817	4.950337216	-0.446531698	1.842762116	-0.242316517	0.808534916	NA	NA
ENSG00000142583	SLC2A5	solute carrier family 2 member 5	6518	96.37926961	-0.446314458	0.774435639	-0.576309296	0.56440614	0.999371363	Not Sig
ENSG00000262265	NA	NA	NA	37.42599378	-0.446232848	0.81902025	-0.544837381	0.585865367	0.999371363	Not Sig

ENSG00000230383	NA	NA	NA	7.525077059	-0.446126282	1.148530251	-0.388432331	0.697696122	0.999371363	Not Sig
ENSG00000185129	PURA	purine rich element binding protein A	5813	833.5306325	-0.445905711	0.511983546	-0.87093758	0.383788236	0.999371363	Not Sig
ENSG00000175782	SLC35E3	solute carrier family 35 member E3	55508	311.4590117	-0.445661672	0.471946094	-0.944306304	0.345013145	0.999371363	Not Sig
ENSG00000213443	NA	NA	NA	79.28106093	-0.445113883	0.754755833	-0.589745536	0.555361262	0.999371363	Not Sig
ENSG00000080819	CPOX	coproporphyrinogen oxidase	1371	473.3595782	-0.445044766	0.417330555	-1.066408298	0.286239112	0.999371363	Not Sig
ENSG00000117525	F3	coagulation factor III, tissue factor	2152	1601.791696	-0.44489841	0.433589203	-1.026082768	0.304852572	0.999371363	Not Sig
ENSG00000259109	NA	NA	NA	8.130344102	-0.444878781	0.976430515	-0.455617449	0.648665093	0.999371363	Not Sig
ENSG00000180573	HIST1H2AC	histone cluster 1 H2A family member c	8334	1993.848456	-0.444794986	0.462975264	-0.960731643	0.336687117	0.999371363	Not Sig
ENSG00000207481	NA	NA	NA	0.717283516	-0.444717674	3.982805695	-0.111659395	0.911093476	NA	NA
ENSG00000215179	NA	NA	NA	0.717283516	-0.444717674	3.982805695	-0.111659395	0.911093476	NA	NA
ENSG00000251298	NA	NA	NA	0.717283516	-0.444717674	3.982805695	-0.111659395	0.911093476	NA	NA
ENSG00000262768	NA	NA	NA	0.717283516	-0.444717674	3.982805695	-0.111659395	0.911093476	NA	NA
ENSG00000263587	NA	NA	NA	0.717283516	-0.444717674	3.982805695	-0.111659395	0.911093476	NA	NA
ENSG00000242571	NA	NA	NA	1.394513518	-0.444438677	2.323031532	-0.191318401	0.848276146	NA	NA
ENSG00000201785	SNORD117	small nucleolar RNA, C/D box 117	692233	20.96679274	-0.444146156	0.794094664	-0.559311346	0.575949253	0.999371363	Not Sig
ENSG00000214413	BBIP1	BBSome interacting protein 1	92482	297.1822764	-0.444054908	0.651219866	-0.681881698	0.495313759	0.999371363	Not Sig
ENSG00000101442	ACTR5	ARP5 actin related protein 5 homolog	79913	234.5092247	-0.44402486	0.503232457	-0.882345433	0.377590034	0.999371363	Not Sig
ENSG00000154781	CCDC174	coiled-coil domain containing 174	51244	521.6338203	-0.443862442	0.448754061	-0.989099553	0.322614436	0.999371363	Not Sig
ENSG00000250462	NA	NA	NA	176.6057095	-0.443836758	0.475644073	-0.933127907	0.350753932	0.999371363	Not Sig
ENSG00000064419	TNPO3	transportin 3	23534	1430.155003	-0.44371882	0.447291342	-0.992012987	0.32119119	0.999371363	Not Sig
ENSG00000121152	NCAPH	non-SMC condensin I complex subunit H	23397	105.9149291	-0.443641161	0.942502002	-0.470705802	0.63785084	0.999371363	Not Sig
ENSG00000137817	PARP6	poly(ADP-ribose) polymerase family member 6	56965	1217.829713	-0.443611906	0.452348743	-0.980685616	0.326747799	0.999371363	Not Sig
ENSG00000227184	NA	NA	NA	3631.899328	-0.443527956	0.710510875	-0.624238096	0.532471231	0.999371363	Not Sig
ENSG00000253558	NA	NA	NA	25.06512912	-0.443518529	0.661905353	-0.670063365	0.502817397	0.999371363	Not Sig
ENSG00000171827	ZNF570	zinc finger protein 570	148268	142.6330594	-0.443517202	0.449014328	-0.987757349	0.3232715	0.999371363	Not Sig
ENSG00000182957	SPATA13	spermatogenesis associated 13	221178	1252.694583	-0.4435017	0.505703098	-0.877000163	0.380486549	0.999371363	Not Sig
ENSG00000174106	LEMD3	LEM domain containing 3	23592	1150.959984	-0.442893412	0.467907049	-0.946541441	0.343872496	0.999371363	Not Sig
ENSG00000121350	PYROXD1	pyridine nucleotide-disulphide oxidoreductase domain 1	79912	489.9646499	-0.442891346	0.5802792	-0.763238363	0.445321254	0.999371363	Not Sig
ENSG00000236953	NA	NA	NA	13.49784799	-0.442885976	0.85636422	-0.517170107	0.605037417	0.999371363	Not Sig
ENSG00000224376	NA	NA	NA	13.7652454	-0.442870763	0.795949501	-0.556405604	0.577933609	0.999371363	Not Sig
ENSG00000204136	GGTA1P	glycoprotein, alpha-galactosyltransferase 1 pseudogene	2681	194.3768176	-0.442753659	0.833266119	-0.531347248	0.595178169	0.999371363	Not Sig
ENSG00000188895	MSL1	male specific lethal 1 homolog	339287	2354.089324	-0.442712072	0.434253318	-1.019478848	0.30797569	0.999371363	Not Sig
ENSG00000152332	UHMK1	U2AF homology motif kinase 1	127933	4896.522579	-0.442617191	0.635532297	-0.696451137	0.486146348	0.999371363	Not Sig
ENSG00000131051	RBM39	RNA binding motif protein 39	9584	6270.867808	-0.442192386	0.498786885	-0.88653571	0.37532892	0.999371363	Not Sig
ENSG00000236254	NA	NA	NA	22.17651575	-0.442003062	0.89566122	-0.49349358	0.621663875	0.999371363	Not Sig

ENSG00000235449	NA	NA	NA	26.883482	-0.442001506	0.934256254	-0.473105215	0.636138117	0.999371363	Not Sig
ENSG00000132952	USPL1	ubiquitin specific peptidase like 1	10208	609.5908852	-0.441999868	0.545763593	-0.809874227	0.418012466	0.999371363	Not Sig
ENSG00000180694	TMEM64	transmembrane protein 64	169200	611.3069328	-0.441831323	0.403333931	-1.095447936	0.273320443	0.999371363	Not Sig
ENSG00000172508	CARNS1	carnosine synthase 1	57571	56.34816272	-0.441387986	0.840638412	-0.525062833	0.599539512	0.999371363	Not Sig
ENSG00000245958	LOC645513	septin 7 pseudogene	645513	562.8335453	-0.441290183	0.631126913	-0.699209895	0.484420868	0.999371363	Not Sig
ENSG00000104714	ERICH1	glutamate rich 1	157697	738.8463105	-0.441196232	0.476373505	-0.92615611	0.354364858	0.999371363	Not Sig
ENSG00000241975	NA	NA	NA	44.20445642	-0.441149604	0.669595629	-0.658829875	0.510005021	0.999371363	Not Sig
ENSG00000218682	NA	NA	NA	14.77806368	-0.441098887	0.752697956	-0.586023761	0.557859547	0.999371363	Not Sig
ENSG00000198019	FCGR1B	Fc fragment of IgG receptor Ib	2210	38.57813638	-0.440956955	1.05837342	-0.41663646	0.676944337	0.999371363	Not Sig
ENSG00000168958	MFF	mitochondrial fission factor	56947	949.8205392	-0.44075967	0.549297	-0.802406841	0.422317657	0.999371363	Not Sig
ENSG00000231043	NA	NA	NA	3.613340836	-0.440693945	1.363860885	-0.323122358	0.746602579	NA	NA
ENSG00000179912	R3HDM2	R3H domain containing 2	22864	1013.253975	-0.440472315	0.45388392	-0.970451464	0.331821507	0.999371363	Not Sig
ENSG00000148429	USP6NL	USP6 N-terminal like	9712	1249.774652	-0.440421842	0.519534406	-0.84772411	0.396591636	0.999371363	Not Sig
ENSG00000172819	RARG	retinoic acid receptor gamma	5916	544.0428964	-0.440355034	0.636785691	-0.691527841	0.489233891	0.999371363	Not Sig
ENSG00000232702	NA	NA	NA	1.823685911	-0.440287651	1.643019741	-0.267974657	0.788718827	NA	NA
ENSG00000134909	ARHGAP32	Rho GTPase activating protein 32	9743	2028.869989	-0.440287	0.65393351	-0.673290163	0.50076271	0.999371363	Not Sig
ENSG00000240211	NA	NA	NA	9.153633945	-0.440265308	0.928347355	-0.474246311	0.635324272	0.999371363	Not Sig
ENSG00000166104	NA	NA	NA	54.84913317	-0.440230627	1.189701628	-0.370034483	0.711356797	0.999371363	Not Sig
ENSG00000163909	HEYL	hes related family bHLH transcription factor with YRPW motif-like	26508	732.3624928	-0.439641326	0.743415517	-0.591380346	0.554265606	0.999371363	Not Sig
ENSG00000152484	USP12	ubiquitin specific peptidase 12	219333	1307.793103	-0.439604663	0.590972214	-0.74386689	0.456957008	0.999371363	Not Sig
ENSG00000208013	MIR652	microRNA 652	724022	2.320372225	-0.439577271	2.041818064	-0.215287189	0.829543417	NA	NA
ENSG00000237757	NA	NA	NA	27.25581022	-0.439542203	0.67318199	-0.652932208	0.513799984	0.999371363	Not Sig
ENSG00000207195	NA	NA	NA	2.408798064	-0.439426205	1.712407188	-0.256613151	0.797477422	NA	NA
ENSG00000205155	PSENEN	presenilin enhancer gamma-secretase subunit	55851	196.4809895	-0.439301915	0.516479348	-0.850570147	0.395008179	0.999371363	Not Sig
ENSG00000198498	TMA16	translation machinery associated 16 homolog	55319	315.1263559	-0.43904397	0.64277791	-0.683041473	0.494580637	0.999371363	Not Sig
ENSG00000201649	NA	NA	NA	6.779741603	-0.438983486	1.203949108	-0.364619637	0.715395355	0.999371363	Not Sig
ENSG00000236474	NA	NA	NA	13.06338979	-0.438725106	0.877775466	-0.499814729	0.617205539	0.999371363	Not Sig
ENSG00000108100	CCNY	cyclin Y	219771	1515.179048	-0.438534629	0.446215167	-0.982787367	0.325712101	0.999371363	Not Sig
ENSG00000255860	NA	NA	NA	1.944006273	-0.43853237	2.10060415	-0.208764878	0.83463179	NA	NA
ENSG00000096746	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3	3189	1857.890414	-0.438499311	0.523687077	-0.837330785	0.40240666	0.999371363	Not Sig
ENSG00000163995	ABLIM2	actin binding LIM protein family member 2	84448	185.4586827	-0.438431719	0.720237977	-0.608731742	0.542702263	0.999371363	Not Sig
ENSG00000139636	LMBR1L	limb development membrane protein 1 like	55716	660.9320343	-0.438391498	0.462428068	-0.948020955	0.343118787	0.999371363	Not Sig
ENSG00000229668	NA	NA	NA	8.505176182	-0.438320433	1.320818545	-0.331855147	0.73999864	0.999371363	Not Sig
ENSG00000113391	FAM172A	family with sequence similarity 172 member A	83989	769.8574374	-0.438319585	0.531870294	-0.824109919	0.409877104	0.999371363	Not Sig
ENSG00000124490	CRISP2	cysteine rich secretory protein 2	7180	8.226120976	-0.438160976	1.551811289	-0.282354549	0.777671663	0.999371363	Not Sig

ENSG00000101191	DID01	death inducer-obliterator 1	11083	3280.480977	-0.438093139	0.398239215	-1.10007534	0.271299297	0.999371363	Not Sig
ENSG00000163297	ANTXR2	anthrax toxin receptor 2	118429	1658.49558	-0.438024519	0.446244464	-0.981579726	0.32630694	0.999371363	Not Sig
ENSG00000152795	HNRNPDL	heterogeneous nuclear ribonucleoprotein D like	9987	3939.471896	-0.437964724	0.500830872	-0.874476292	0.381858926	0.999371363	Not Sig
ENSG00000023516	AKAP11	A-kinase anchoring protein 11	11215	3103.236044	-0.43795702	0.482915674	-0.906901645	0.364458811	0.999371363	Not Sig
ENSG00000074657	ZNF532	zinc finger protein 532	55205	2518.771426	-0.437845131	0.615592839	-0.711257675	0.476924575	0.999371363	Not Sig
ENSG00000198453	ZNF568	zinc finger protein 568	374900	216.8874907	-0.437708181	0.505822997	-0.865338634	0.386852952	0.999371363	Not Sig
ENSG00000252465	NA	NA	NA	8.388554302	-0.437663102	1.10174473	-0.397245469	0.691186455	0.999371363	Not Sig
ENSG00000227072	NA	NA	NA	3.968794871	-0.437655473	1.574085239	-0.278037975	0.780983207	NA	NA
ENSG00000266469	NA	NA	NA	23.47298493	-0.437634891	0.862235104	-0.507558656	0.611762891	0.999371363	Not Sig
ENSG00000261349	NA	NA	NA	55.27785649	-0.437451783	0.688538008	-0.635334255	0.525210437	0.999371363	Not Sig
ENSG00000158669	GPAT4	glycerol-3-phosphate acyltransferase 4	137964	1614.845883	-0.436856098	0.594030501	-0.735410215	0.462089702	0.999371363	Not Sig
ENSG00000111300	NAA25	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	80018	1069.799584	-0.436750491	0.591832878	-0.737962535	0.460537216	0.999371363	Not Sig
ENSG00000235772	NA	NA	NA	2.153145806	-0.436731631	1.639263667	-0.266419393	0.789916231	NA	NA
ENSG00000239161	NA	NA	NA	5.369485635	-0.436429306	1.13661109	-0.383974175	0.700997588	NA	NA
ENSG00000168454	TXNDC2	thioredoxin domain containing 2	84203	3.52607211	-0.436357349	1.451105623	-0.300706814	0.763638072	NA	NA
ENSG00000173862	NA	NA	NA	29.25781379	-0.436348071	0.849881895	-0.513422201	0.607656153	0.999371363	Not Sig
ENSG00000260300	NA	NA	NA	24.39038271	-0.436196384	0.731498174	-0.596305499	0.550971158	0.999371363	Not Sig
ENSG00000204920	ZNF155	zinc finger protein 155	7711	171.5374458	-0.436191351	0.532910672	-0.818507442	0.413067494	0.999371363	Not Sig
ENSG00000061987	MON2	MON2 homolog, regulator of endosome-to-Golgi trafficking	23041	2575.998548	-0.435836066	0.599185885	-0.727380396	0.46699296	0.999371363	Not Sig
ENSG00000107443	CCNJ	cyclin J	54619	240.0413022	-0.435772194	0.593739072	-0.733945625	0.462981878	0.999371363	Not Sig
ENSG00000151692	RNF144A	ring finger protein 144A	9781	669.2557172	-0.435700605	0.431131906	-1.010596987	0.312209358	0.999371363	Not Sig
ENSG00000162825	NBPF20	NBPF member 20	100288142	4.316564978	-0.435617108	1.322698284	-0.329339739	0.74189891	NA	NA
ENSG00000219395	NA	NA	NA	16.35577378	-0.43557362	0.806872554	-0.539829516	0.58931461	0.999371363	Not Sig
ENSG00000145833	DDX46	DEAD-box helicase 46	9879	1961.223255	-0.435486646	0.4905488	-0.887753972	0.374673107	0.999371363	Not Sig
ENSG00000008083	JARID2	jumonji and AT-rich interaction domain containing 2	3720	1224.099171	-0.4354622	0.426253148	-1.021604654	0.306968054	0.999371363	Not Sig
ENSG00000263751	NA	NA	NA	1.532558075	-0.435326306	2.316146552	-0.187952833	0.850913626	NA	NA
ENSG00000108306	FBXL20	F-box and leucine rich repeat protein 20	84961	800.2987122	-0.435023784	0.563369543	-0.772181936	0.440006679	0.999371363	Not Sig
ENSG00000161265	U2AF1L4	U2 small nuclear RNA auxiliary factor 1 like 4	199746	66.00164391	-0.434657009	0.511772942	-0.84931612	0.395705413	0.999371363	Not Sig
ENSG00000243708	PLA2G4B	phospholipase A2 group IVB	100137049	13.93271611	-0.434619572	0.896965119	-0.484544564	0.627999446	0.999371363	Not Sig
ENSG00000197771	MCMBP	minichromosome maintenance complex binding protein	79892	1420.57429	-0.434546048	0.382457364	-1.136194745	0.255875069	0.999371363	Not Sig
ENSG00000213326	NA	NA	NA	4.226306729	-0.434167155	1.246312329	-0.348361438	0.727568759	NA	NA
ENSG00000249602	NA	NA	NA	34.3028308	-0.434078571	0.721377799	-0.601735418	0.54735027	0.999371363	Not Sig
ENSG00000186073	C15orf41	chromosome 15 open reading frame 41	84529	192.7014614	-0.433960237	0.656214968	-0.661308044	0.508414784	0.999371363	Not Sig
ENSG00000166949	SMAD3	SMAD family member 3	4088	2468.872475	-0.433356531	0.45974194	-0.942608217	0.345881335	0.999371363	Not Sig
ENSG00000173933	RBM4	RNA binding motif protein 4	5936	342.6322104	-0.433312617	0.559954441	-0.773835487	0.439028084	0.999371363	Not Sig

ENSG00000187534	NA	NA	NA	19.19876947	-0.433143141	0.678844836	-0.638059124	0.523435194	0.999371363	Not Sig
ENSG00000106400	ZNHIT1	zinc finger HIT-type containing 1	10467	886.3111694	-0.433061149	0.509066148	-0.850697204	0.394937577	0.999371363	Not Sig
ENSG00000225889	NA	NA	NA	43.58262809	-0.432998619	0.680789405	-0.636024321	0.52476057	0.999371363	Not Sig
ENSG00000255282	WTAPP1	Wilms tumor 1 associated protein pseudogene 1	100288077	41.58617842	-0.432949808	1.134033119	-0.381778804	0.702625442	0.999371363	Not Sig
ENSG00000202415	NA	NA	NA	9.931242214	-0.432832287	1.159502029	-0.37329153	0.70893148	0.999371363	Not Sig
ENSG00000238132	NA	NA	NA	4.635895328	-0.432779356	1.169325529	-0.370110243	0.71130035	NA	NA
ENSG00000196199	MPHOSPH8	M-phase phosphoprotein 8	54737	1719.036717	-0.43268856	0.436015591	-0.992369469	0.321017327	0.999371363	Not Sig
ENSG00000158748	HTR6	5-hydroxytryptamine receptor 6	3362	1.800941584	-0.432661878	1.71118469	-0.252843472	0.800389173	NA	NA
ENSG00000222296	NA	NA	NA	1.800941584	-0.432661878	1.71118469	-0.252843472	0.800389173	NA	NA
ENSG00000148444	COMMD3	COMM domain containing 3	23412	123.4185656	-0.432281666	0.478288013	-0.903810372	0.366095961	0.999371363	Not Sig
ENSG00000229873	OGFR-AS1	OGFR antisense RNA 1	101409261	2.209373069	-0.432263875	1.731638238	-0.249627125	0.80287572	NA	NA
ENSG00000233825	NA	NA	NA	2.209373069	-0.432263875	1.731638238	-0.249627125	0.80287572	NA	NA
ENSG00000200942	NA	NA	NA	2.492618777	-0.432095961	2.121651509	-0.203660195	0.83861905	NA	NA
ENSG00000263535	NA	NA	NA	18.83077393	-0.432093433	0.740773915	-0.583300011	0.559691355	0.999371363	Not Sig
ENSG00000206848	NA	NA	NA	11.42792598	-0.432075266	1.116078746	-0.3871369	0.698654861	0.999371363	Not Sig
ENSG00000148660	CAMK2G	calcium/calmodulin dependent protein kinase II gamma	818	1107.767164	-0.432015354	0.388881476	-1.1109178	0.266603733	0.999371363	Not Sig
ENSG00000198502	HLA-DRB5	major histocompatibility complex, class II, DR beta 5	3127	1154.891727	-0.431948166	1.149653406	-0.375720338	0.707124816	0.999371363	Not Sig
ENSG00000130720	FIBCD1	fibrinogen C domain containing 1	84929	44.33681482	-0.431842575	0.688785304	-0.626962527	0.530683799	0.999371363	Not Sig
ENSG00000184445	KNTC1	kinetochore associated 1	9735	926.8971249	-0.431765812	0.855944658	-0.504431926	0.613957888	0.999371363	Not Sig
ENSG00000251972	NA	NA	NA	8.515589062	-0.431729993	1.083531436	-0.398447132	0.690300622	0.999371363	Not Sig
ENSG00000066855	MTFR1	mitochondrial fission regulator 1	9650	498.6700465	-0.431645847	0.606062562	-0.712213349	0.476332672	0.999371363	Not Sig
ENSG00000198752	CDC42BPB	CDC42 binding protein kinase beta	9578	5903.827756	-0.431561786	0.516843423	-0.834995218	0.403720401	0.999371363	Not Sig
ENSG00000203415	NA	NA	NA	8.871241298	-0.431197917	0.912936709	-0.472319617	0.63669867	0.999371363	Not Sig
ENSG00000231006	NA	NA	NA	1.090095603	-0.431019996	2.525575317	-0.170662104	0.864489463	NA	NA
ENSG00000267326	NA	NA	NA	1.090095603	-0.431019996	2.525575317	-0.170662104	0.864489463	NA	NA
ENSG00000056586	RC3H2	ring finger and CCH-type domains 2	54542	2106.480685	-0.430951819	0.454166696	-0.948884678	0.342679268	0.999371363	Not Sig
ENSG00000028116	VRK2	vaccinia related kinase 2	7444	578.5435543	-0.430933051	0.60788064	-0.708910636	0.478379934	0.999371363	Not Sig
ENSG00000179253	LOC100128310	uncharacterized LOC100128310	100128310	1.448737361	-0.430888505	1.845282685	-0.233508128	0.815366859	NA	NA
ENSG00000164334	FAM170A	family with sequence similarity 170 member A	340069	1.119277466	-0.430874237	2.476501197	-0.173985071	0.861877195	NA	NA
ENSG00000147419	CCDC25	coiled-coil domain containing 25	55246	525.8655834	-0.430781614	0.658235186	-0.654449387	0.512822325	0.999371363	Not Sig
ENSG00000244682	NA	NA	NA	650.6509668	-0.430491625	0.782441752	-0.550189997	0.582189064	0.999371363	Not Sig
ENSG00000231521	LOC105376171	uncharacterized LOC105376171	105376171	4.649185406	-0.430471386	1.338639531	-0.321573789	0.747775603	NA	NA
ENSG00000176749	CDK5R1	cyclin dependent kinase 5 regulatory subunit 1	8851	60.94003436	-0.43039169	0.567183221	-0.758823029	0.447958428	0.999371363	Not Sig
ENSG00000221914	PPP2R2A	protein phosphatase 2 regulatory subunit Balpha	5520	1390.817791	-0.430308023	0.568778176	-0.756548055	0.449320672	0.999371363	Not Sig
ENSG00000265421	MIR4459	microRNA 4459	100616233	13.10985876	-0.430224892	0.777151397	-0.553592123	0.579858018	0.999371363	Not Sig

ENSG00000258199	NA	NA	NA	220.5451783	-0.430197762	0.590251433	-0.728838148	0.466100673	0.999371363	Not Sig
ENSG00000263002	ZNF234	zinc finger protein 234	10780	274.1455538	-0.430117453	0.478852625	-0.898225112	0.369065548	0.999371363	Not Sig
ENSG00000169071	ROR2	receptor tyrosine kinase like orphan receptor 2	4920	207.7061803	-0.430086561	0.561013913	-0.766623698	0.443305281	0.999371363	Not Sig
ENSG00000120662	MTRF1	mitochondrial translation release factor 1	9617	214.6775301	-0.430014486	0.665827373	-0.645834797	0.51838635	0.999371363	Not Sig
ENSG00000176058	TPRN	taperin	286262	428.8714919	-0.429987254	0.638893933	-0.673018214	0.500935704	0.999371363	Not Sig
ENSG00000136861	CDK5RAP2	CDK5 regulatory subunit associated protein 2	55755	1917.01879	-0.42993358	0.412564226	-1.04210097	0.297364869	0.999371363	Not Sig
ENSG00000144476	ACKR3	atypical chemokine receptor 3	57007	253.6623651	-0.429879001	0.531990963	-0.808056961	0.419057792	0.999371363	Not Sig
ENSG00000158691	ZSCAN12	zinc finger and SCAN domain containing 12	9753	273.5153113	-0.4298645	0.467887724	-0.918734298	0.358234565	0.999371363	Not Sig
ENSG00000089225	TBX5	T-box 5	6910	502.7193938	-0.429833093	0.663862519	-0.647473054	0.517325829	0.999371363	Not Sig
ENSG00000077150	NFKB2	nuclear factor kappa B subunit 2	4791	1337.453144	-0.429812713	0.454459099	-0.945767648	0.34426711	0.999371363	Not Sig
ENSG00000235663	NA	NA	NA	42.08205263	-0.429808474	0.733084513	-0.586301396	0.557672993	0.999371363	Not Sig
ENSG00000154654	NCAM2	neural cell adhesion molecule 2	4685	250.4163477	-0.429706443	0.461786386	-0.930530774	0.352096338	0.999371363	Not Sig
ENSG00000152749	GPR180	G protein-coupled receptor 180	160897	488.1293053	-0.429563483	0.632319269	-0.679345868	0.49691874	0.999371363	Not Sig
ENSG00000227698	NA	NA	NA	10.13280877	-0.429412716	1.042266856	-0.411998821	0.680340287	0.999371363	Not Sig
ENSG00000072609	CHFR	checkpoint with forkhead and ring finger domains	55743	971.0067993	-0.429212451	0.462201081	-0.928627104	0.353082371	0.999371363	Not Sig
ENSG00000186815	TPCN1	two pore segment channel 1	53373	2620.430217	-0.429203859	0.388663686	-1.104306564	0.269460176	0.999371363	Not Sig
ENSG00000184357	HIST1H1B	histone cluster 1 H1 family member b	3009	923.0214918	-0.429132239	0.821587304	-0.522320923	0.601446904	0.999371363	Not Sig
ENSG00000107897	ACBD5	acyl-CoA binding domain containing 5	91452	904.9320904	-0.428921378	0.44255786	-0.969187122	0.332451835	0.999371363	Not Sig
ENSG00000196588	MKL1	megakaryoblastic leukemia (translocation) 1	57591	1617.563777	-0.428858299	0.511008628	-0.839238861	0.401335284	0.999371363	Not Sig
ENSG00000255867	DENND5B-AS1	DENND5B antisense RNA 1	100874249	1.625418029	-0.428746958	2.28835663	-0.187360201	0.851378225	NA	NA
ENSG00000205544	TMEM256	transmembrane protein 256	254863	90.0274153	-0.428471009	0.586821706	-0.730155352	0.46529523	0.999371363	Not Sig
ENSG00000198750	NA	NA	NA	39.49653135	-0.428367737	0.724772061	-0.591037872	0.554495046	0.999371363	Not Sig
ENSG00000259396	NA	NA	NA	2.403777931	-0.428304304	2.080933411	-0.205823167	0.836929044	NA	NA
ENSG00000175354	PTPN2	protein tyrosine phosphatase, non-receptor type 2	5771	1016.640303	-0.428287949	0.671311032	-0.637987354	0.523481912	0.999371363	Not Sig
ENSG00000238975	NA	NA	NA	40.48537766	-0.428260998	0.935816007	-0.45763376	0.647215585	0.999371363	Not Sig
ENSG00000130755	GMFG	glia maturation factor gamma	9535	424.3088349	-0.428190179	0.87789586	-0.487745982	0.625729777	0.999371363	Not Sig
ENSG00000242299	NA	NA	NA	20.19463891	-0.428084923	0.814136782	-0.525814498	0.599017101	0.999371363	Not Sig
ENSG00000196411	EPHB4	EPH receptor B4	2050	2730.351383	-0.427948601	0.660980289	-0.647445329	0.517343767	0.999371363	Not Sig
ENSG00000266559	MIR4530	microRNA 4530	100616163	3.003624756	-0.427925047	1.361296914	-0.314351001	0.753254467	NA	NA
ENSG00000176788	BASP1	brain abundant membrane attached signal protein 1	10409	889.4489611	-0.427893676	0.646994628	-0.66135584	0.508384139	0.999371363	Not Sig
ENSG00000104856	RELB	RELB proto-oncogene, NF-kB subunit	5971	598.8014396	-0.427826592	0.534407378	-0.80056266	0.423384875	0.999371363	Not Sig
ENSG00000170379	TCAF2	TRPM8 channel associated factor 2	285966	105.6731752	-0.427660415	0.547065832	-0.78173483	0.434370428	0.999371363	Not Sig
ENSG00000207653	MIR558	microRNA 558	693143	11.34453657	-0.427646675	0.81270143	-0.526203915	0.598746534	0.999371363	Not Sig
ENSG00000007129	CEACAM21	carcinoembryonic antigen related cell adhesion molecule 21	90273	64.40958684	-0.427643647	0.842971872	-0.507304764	0.611940996	0.999371363	Not Sig
ENSG00000160908	ZNF394	zinc finger protein 394	84124	563.961672	-0.427607882	0.444981146	-0.960957303	0.336573636	0.999371363	Not Sig

ENSG00000166669	ATF7IP2	activating transcription factor 7 interacting protein 2	80063	324.8716136	-0.427489021	0.640138664	-0.667806906	0.504256858	0.999371363	Not Sig
ENSG00000136940	PDCL	phosducin like	5082	539.5259234	-0.427336527	0.402815803	-1.060873292	0.288747489	0.999371363	Not Sig
ENSG00000166478	ZNF143	zinc finger protein 143	7702	405.0550898	-0.427202076	0.495893416	-0.86147963	0.388973936	0.999371363	Not Sig
ENSG00000198035	NA	NA	NA	20.22562504	-0.427158535	0.720008731	-0.593268549	0.553001444	0.999371363	Not Sig
ENSG00000125505	MBOAT7	membrane bound O-acyltransferase domain containing 7	79143	1509.178162	-0.427078879	0.453490097	-0.941760099	0.346315478	0.999371363	Not Sig
ENSG00000115464	USP34	ubiquitin specific peptidase 34	9736	6170.39156	-0.427026955	0.575760325	-0.741674854	0.458284359	0.999371363	Not Sig
ENSG00000185658	BRWD1	bromodomain and WD repeat domain containing 1	54014	4235.009437	-0.426999922	0.565862595	-0.754600013	0.450489016	0.999371363	Not Sig
ENSG00000066926	FECH	ferrochelatase	2235	552.4521225	-0.426844963	0.425680845	-1.002734719	0.315988874	0.999371363	Not Sig
ENSG00000126351	THRA	thyroid hormone receptor, alpha	7067	1323.542025	-0.426837097	0.82482357	-0.517488967	0.604814869	0.999371363	Not Sig
ENSG00000129116	PALLD	palladin, cytoskeletal associated protein	23022	3505.189682	-0.426594577	0.422002168	-1.01088243	0.312072704	0.999371363	Not Sig
ENSG00000122952	ZWINT	ZW10 interacting kinetochore protein	11130	187.4717751	-0.426468969	0.939150519	-0.454100765	0.649756303	0.999371363	Not Sig
ENSG00000170677	SOCS6	suppressor of cytokine signaling 6	9306	948.9260183	-0.426450174	0.544675932	-0.782942937	0.433660622	0.999371363	Not Sig
ENSG00000111725	PRKAB1	protein kinase AMP-activated non-catalytic subunit beta 1	5564	1776.037363	-0.426353535	0.560480217	-0.760693281	0.446840289	0.999371363	Not Sig
ENSG00000215022	NA	NA	NA	38.27995321	-0.426335021	0.56878821	-0.74954968	0.453525967	0.999371363	Not Sig
ENSG00000117020	AKT3	AKT serine/threonine kinase 3	10000	1024.893726	-0.426224977	0.583243921	-0.730783403	0.464911462	0.999371363	Not Sig
ENSG00000170667	RASA4B	RAS p21 protein activator 4B	100271927	6.618493949	-0.426029387	1.161118234	-0.366913011	0.713683906	0.999371363	Not Sig
ENSG00000104064	GABPB1	GA binding protein transcription factor beta subunit 1	2553	409.7770226	-0.425978703	0.56028073	-0.760295118	0.4470782	0.999371363	Not Sig
ENSG00000104064	GABPB1-IT1	GABPB1 intronic transcript	55056	409.7770226	-0.425978703	0.56028073	-0.760295118	0.4470782	0.999371363	Not Sig
ENSG00000168944	CEP120	centrosomal protein 120	153241	816.2759312	-0.425916402	0.51247853	-0.831091209	0.405922105	0.999371363	Not Sig
ENSG00000134508	CABLES1	Cdk5 and Abl enzyme substrate 1	91768	1038.32243	-0.42544824	0.508083988	-0.837358094	0.402391314	0.999371363	Not Sig
ENSG00000255847	NA	NA	NA	12.58238922	-0.425418279	1.194233906	-0.356226931	0.721670625	0.999371363	Not Sig
ENSG00000254221	PCDHGB1	protocadherin gamma subfamily B, 1	56104	65.48627364	-0.425354772	0.685642726	-0.620373783	0.535011729	0.999371363	Not Sig
ENSG00000132424	PNISR	PNN interacting serine and arginine rich protein	25957	4158.157959	-0.424646846	0.550242029	-0.771745565	0.440265138	0.999371363	Not Sig
ENSG00000122359	ANXA11	annexin A11	311	5424.21113	-0.424620934	0.47931128	-0.885898063	0.37567246	0.999371363	Not Sig
ENSG00000109943	CRTAM	cytotoxic and regulatory T-cell molecule	56253	45.24196744	-0.424482224	0.823837635	-0.515249857	0.606378433	0.999371363	Not Sig
ENSG00000169710	FASN	fatty acid synthase	2194	9222.316556	-0.424457565	0.668878942	-0.634580547	0.525702019	0.999371363	Not Sig
ENSG00000010244	ZNF207	zinc finger protein 207	7756	3911.057967	-0.424335024	0.620765154	-0.683567725	0.494248171	0.999371363	Not Sig
ENSG00000198901	PRC1	protein regulator of cytokinesis 1	9055	342.0907573	-0.424292566	0.916478625	-0.462959587	0.643393335	0.999371363	Not Sig
ENSG00000122733	PHF24	PHD finger protein 24	23349	11.76342333	-0.424252181	1.011047668	-0.419616398	0.674765707	0.999371363	Not Sig
ENSG00000250280	NA	NA	NA	40.34844223	-0.424195311	0.723402822	-0.586388798	0.557614271	0.999371363	Not Sig
ENSG00000102543	CDADC1	cytidine and dCMP deaminase domain containing 1	81602	166.2021346	-0.424130115	0.441877287	-0.959836877	0.33713732	0.999371363	Not Sig
ENSG00000213551	DNAJC9	DnaJ heat shock protein family (Hsp40) member C9	23234	381.8910235	-0.424079499	0.486434978	-0.871811276	0.383311342	0.999371363	Not Sig
ENSG00000225573	NA	NA	NA	1.096533139	-0.423961549	2.2444441	-0.188893788	0.850176062	NA	NA
ENSG00000247675	LRP4-AS1	LRP4 antisense RNA 1	100507401	1.096533139	-0.423961549	2.2444441	-0.188893788	0.850176062	NA	NA
ENSG00000265529	NA	NA	NA	1.096533139	-0.423961549	2.2444441	-0.188893788	0.850176062	NA	NA

ENSG00000163812	ZDHH3	zinc finger DHHC-type containing 3	51304	1743.851521	-0.423612022	0.467413672	-0.906289325	0.364782734	0.999371363	Not Sig
ENSG00000203276	NA	NA	NA	25.27957338	-0.423494854	0.762001064	-0.555766748	0.57837032	0.999371363	Not Sig
ENSG00000260938	NA	NA	NA	6.568460224	-0.423462141	1.037144968	-0.408295999	0.683056376	NA	NA
ENSG00000113504	SLC12A7	solute carrier family 12 member 7	10723	4205.778195	-0.423451128	0.655470408	-0.646026309	0.518262317	0.999371363	Not Sig
ENSG00000122390	NAA60	N(alpha)-acetyltransferase 60, NatF catalytic subunit	79903	138.7431675	-0.423302347	0.482274452	-0.877720861	0.380095221	0.999371363	Not Sig
ENSG00000255186	NA	NA	NA	18.52209428	-0.423215969	0.775620272	-0.545648411	0.58530764	0.999371363	Not Sig
ENSG00000213339	QTRT1	queuine tRNA-ribosyltransferase catalytic subunit 1	81890	330.0238665	-0.423159515	0.548932946	-0.770876512	0.44078013	0.999371363	Not Sig
ENSG00000122786	CALD1	caldesmon 1	800	5089.314351	-0.423102145	0.388667366	-1.088597042	0.276331622	0.999371363	Not Sig
ENSG00000198355	PIM3	Pim-3 proto-oncogene, serine/threonine kinase	415116	3027.909949	-0.423094605	0.515095131	-0.821391194	0.411423478	0.999371363	Not Sig
ENSG00000164080	RAD54L2	RAD54 like 2	23132	1630.726493	-0.423027914	0.438555684	-0.96459339	0.334748511	0.999371363	Not Sig
ENSG00000236842	NA	NA	NA	2.439120467	-0.422923887	1.819503388	-0.232439186	0.816196916	NA	NA
ENSG00000213999	MEF2B	myocyte enhancer factor 2B	100271849	8.309482535	-0.422909834	1.030278721	-0.410480995	0.681453142	0.999371363	Not Sig
ENSG00000238311	SNORD13E	small nucleolar RNA, C/D box 13E	109617020	14.89392812	-0.422882395	1.420459008	-0.297708271	0.76592583	0.999371363	Not Sig
ENSG00000251180	NA	NA	NA	61.68625692	-0.422697469	0.78576112	-0.537946532	0.590613962	0.999371363	Not Sig
ENSG00000202119	NA	NA	NA	5.034850889	-0.422656925	1.316310386	-0.321092145	0.748140563	NA	NA
ENSG00000101745	ANKRD12	ankyrin repeat domain 12	23253	2973.631459	-0.422580143	0.527862932	-0.800549001	0.423392785	0.999371363	Not Sig
ENSG00000067900	ROCK1	Rho associated coiled-coil containing protein kinase 1	6093	3675.836508	-0.422363457	0.437987082	-0.964328571	0.334881221	0.999371363	Not Sig
ENSG00000198964	SGMS1	sphingomyelin synthase 1	259230	1342.417993	-0.422361784	0.456736172	-0.924739073	0.35510165	0.999371363	Not Sig
ENSG00000213780	GTF2H4	general transcription factor IIH subunit 4	2968	9.864446941	-0.422330728	0.979245143	-0.431281923	0.666263393	0.999371363	Not Sig
ENSG00000057704	TMCC3	transmembrane and coiled-coil domain family 3	57458	377.8808924	-0.422287784	0.716204325	-0.589619148	0.555446011	0.999371363	Not Sig
ENSG00000111674	ENO2	enolase 2	2026	958.5053022	-0.422115556	0.60229068	-0.700850227	0.483396489	0.999371363	Not Sig
ENSG00000134824	FADS2	fatty acid desaturase 2	9415	1222.119731	-0.422001128	0.556563895	-0.758225842	0.448315793	0.999371363	Not Sig
ENSG00000258445	NA	NA	NA	12.17332892	-0.421928076	0.968366972	-0.435710932	0.663046473	0.999371363	Not Sig
ENSG00000201470	NA	NA	NA	14.28319473	-0.421916407	1.065176636	-0.396099945	0.692031299	0.999371363	Not Sig
ENSG00000119820	YIPF4	Yipl domain family member 4	84272	1602.800967	-0.421870872	0.487898598	-0.864669163	0.3872204	0.999371363	Not Sig
ENSG00000115159	GPD2	glycerol-3-phosphate dehydrogenase 2	2820	1781.81356	-0.421731702	0.581379992	-0.725397689	0.46820809	0.999371363	Not Sig
ENSG00000239119	NA	NA	NA	3.484419286	-0.421517245	1.627196381	-0.259045097	0.795600445	NA	NA
ENSG00000052841	TTC17	tetratricopeptide repeat domain 17	55761	3062.271274	-0.421484791	0.575149978	-0.732825884	0.463664632	0.999371363	Not Sig
ENSG00000250130	NA	NA	NA	35.11881448	-0.421305218	0.648247138	-0.649914505	0.515747448	0.999371363	Not Sig
ENSG00000189014	FAM35DP	family with sequence similarity 35, member A pseudogene	439965	4.499268174	-0.421140874	1.194904909	-0.352447187	0.724502919	NA	NA
ENSG00000134453	RBM17	RNA binding motif protein 17	84991	1400.91909	-0.421124952	0.409214267	-1.029106231	0.303429759	0.999371363	Not Sig
ENSG00000133243	BTBD2	BTB domain containing 2	55643	1227.255924	-0.421029459	0.527214314	-0.798592617	0.42452667	0.999371363	Not Sig
ENSG00000243845	NA	NA	NA	7.71172841	-0.42091006	1.023767739	-0.411138234	0.680971176	0.999371363	Not Sig
ENSG00000104067	TJP1	tight junction protein 1	7082	5784.660382	-0.420890649	0.468558909	-0.898266239	0.369043627	0.999371363	Not Sig
ENSG00000014164	ZC3H3	zinc finger CCH-type containing 3	23144	711.159223	-0.420800665	0.435419099	-0.96642675	0.333830684	0.999371363	Not Sig

ENSG00000229222	NA	NA	NA	32.19380001	-0.420745846	0.654474952	-0.6428754	0.520304953	0.999371363	Not Sig
ENSG00000108091	CCDC6	coiled-coil domain containing 6	8030	2845.694487	-0.420733825	0.582864114	-0.721838614	0.470393706	0.999371363	Not Sig
ENSG00000241418	NA	NA	NA	1.974605538	-0.420633865	1.910287786	-0.220193977	0.825720087	NA	NA
ENSG00000170004	CHD3	chromodomain helicase DNA binding protein 3	1107	4801.670706	-0.420619311	0.433140652	-0.971091743	0.331502595	0.999371363	Not Sig
ENSG00000077147	TM9SF3	transmembrane 9 superfamily member 3	56889	5679.638701	-0.420446056	0.634067428	-0.663093605	0.507270606	0.999371363	Not Sig
ENSG00000101199	ARFGAP1	ADP ribosylation factor GTPase activating protein 1	55738	1587.107672	-0.420419169	0.424536051	-0.990302633	0.32202622	0.999371363	Not Sig
ENSG00000070444	MNT	MAX network transcriptional repressor	4335	1142.665319	-0.420291564	0.429791521	-0.977896358	0.328125587	0.999371363	Not Sig
ENSG00000115590	IL1R2	interleukin 1 receptor type 2	7850	44.40031958	-0.420243621	0.751704002	-0.559054655	0.57612442	0.999371363	Not Sig
ENSG00000226971	NA	NA	NA	1.349024864	-0.420122678	2.387207676	-0.175989162	0.860302457	NA	NA
ENSG00000170537	TMC7	transmembrane channel like 7	79905	302.7917017	-0.420119902	0.637784325	-0.658717822	0.510076986	0.999371363	Not Sig
ENSG00000102539	MLNR	motilin receptor	2862	1.455174897	-0.42000899	1.844909751	-0.227658285	0.819911905	NA	NA
ENSG00000241095	NA	NA	NA	2.166020877	-0.419971854	1.590444507	-0.26405942	0.791734133	NA	NA
ENSG00000188897	LOC400499	vitellogenin	400499	129.8526149	-0.419874543	0.463713277	-0.90546155	0.365220921	0.999371363	Not Sig
ENSG00000071794	HLTF	helicase like transcription factor	6596	1076.716797	-0.419828363	0.685643232	-0.612313144	0.540330595	0.999371363	Not Sig
ENSG00000175482	POLD4	DNA polymerase delta 4, accessory subunit	57804	157.0371032	-0.419739699	0.520514294	-0.806394183	0.4200156	0.999371363	Not Sig
ENSG00000159335	PTMS	parathyrosin	5763	3084.2532	-0.419584519	0.760625072	-0.551631197	0.581201058	0.999371363	Not Sig
ENSG00000196511	TPK1	thiamin pyrophosphokinase 1	27010	236.6841913	-0.419484338	0.665199027	-0.630614779	0.528292433	0.999371363	Not Sig
ENSG00000248830	NA	NA	NA	1.927699481	-0.419344938	2.127046342	-0.197148943	0.843710984	NA	NA
ENSG00000159763	PIP	prolactin induced protein	5304	6.000396968	-0.419167457	1.374622925	-0.304932683	0.760417423	NA	NA
ENSG00000138814	PPP3CA	protein phosphatase 3 catalytic subunit alpha	5530	2159.553179	-0.418873064	0.503320149	-0.832219939	0.405284811	0.999371363	Not Sig
ENSG00000119042	SATB2	SATB homeobox 2	23314	361.6281565	-0.418826459	0.704538095	-0.594469571	0.552198088	0.999371363	Not Sig
ENSG00000132199	ENOSF1	enolase superfamily member 1	55556	2182.628209	-0.418768303	0.514098891	-0.814567606	0.41531986	0.999371363	Not Sig
ENSG00000186026	ZNF284	zinc finger protein 284	342909	52.18066751	-0.418724443	0.559237716	-0.748741424	0.454013071	0.999371363	Not Sig
ENSG00000222489	SNORA79B	small nucleolar RNA, H/ACA box 79B	109616976	21.27382076	-0.418516785	0.827221763	-0.505930578	0.612905385	0.999371363	Not Sig
ENSG00000186017	ZNF566	zinc finger protein 566	84924	264.453523	-0.418209973	0.524270473	-0.797698887	0.42504525	0.999371363	Not Sig
ENSG00000120008	WDR11	WD repeat domain 11	55717	1671.049958	-0.418156973	0.493591345	-0.847172418	0.396899025	0.999371363	Not Sig
ENSG00000113851	CRBN	cereblon	51185	860.3631093	-0.418156913	0.493913748	-0.846619304	0.397207351	0.999371363	Not Sig
ENSG00000162929	KIAA1841	KIAA1841	84542	477.2368573	-0.418058722	0.449839334	-0.929351193	0.352707113	0.999371363	Not Sig
ENSG00000183354	KIAA2026	KIAA2026	158358	1592.888259	-0.417783073	0.445615691	-0.937541207	0.348480237	0.999371363	Not Sig
ENSG00000134690	CDCA8	cell division cycle associated 8	55143	102.9551135	-0.417589763	0.861032709	-0.484987108	0.62768549	0.999371363	Not Sig
ENSG00000197724	PHF2	PHD finger protein 2	5253	1908.306145	-0.417372623	0.564816131	-0.738953086	0.459935485	0.999371363	Not Sig
ENSG00000227535	NA	NA	NA	4.424597656	-0.417094193	1.373847	-0.30359581	0.761435844	NA	NA
ENSG00000153339	TRAPPC8	trafficking protein particle complex 8	22878	1488.743743	-0.41701845	0.501242553	-0.831969368	0.405426235	0.999371363	Not Sig
ENSG00000197948	FCHSD1	FCH and double SH3 domains 1	89848	378.1597028	-0.416145318	0.668443857	-0.62255837	0.533574775	0.999371363	Not Sig
ENSG00000213015	ZNF580	zinc finger protein 580	51157	354.0755177	-0.415926444	0.60763465	-0.684500866	0.493658943	0.999371363	Not Sig

ENSG00000214941	ZSWIM7	zinc finger SWIM-type containing 7	125150	224.8350413	-0.415737868	0.457035535	-0.90964014	0.363012323	0.999371363	Not Sig
ENSG00000197937	ZNF347	zinc finger protein 347	84671	385.8634425	-0.415728358	0.491944822	-0.845071114	0.398071135	0.999371363	Not Sig
ENSG00000139651	ZNF740	zinc finger protein 740	283337	920.9241295	-0.415607272	0.399382221	-1.040625371	0.298049452	0.999371363	Not Sig
ENSG00000224451	NA	NA	NA	17.27262169	-0.415552565	0.781835203	-0.531509151	0.595066002	0.999371363	Not Sig
ENSG00000141664	ZCCHC2	zinc finger CCHC-type containing 2	54877	1178.059986	-0.415507573	0.472345322	-0.879669076	0.379038606	0.999371363	Not Sig
ENSG00000138759	FRAS1	Fraser extracellular matrix complex subunit 1	80144	1436.277904	-0.415407039	1.005036792	-0.413325206	0.679368365	0.999371363	Not Sig
ENSG00000207223	NA	NA	NA	6.88853688	-0.415372569	1.450831531	-0.286299656	0.774648621	0.999371363	Not Sig
ENSG00000273447	NA	NA	NA	5.073204624	-0.415294835	1.353042067	-0.306934164	0.758893484	NA	NA
ENSG00000070756	PABPC1	poly(A) binding protein cytoplasmic 1	26986	18812.00177	-0.415190999	0.54200179	-0.766032523	0.443656951	0.999371363	Not Sig
ENSG00000173442	EHBPL1L1	EH domain binding protein 1 like 1	254102	3750.436205	-0.4151603	0.54163446	-0.766495361	0.443381611	0.999371363	Not Sig
ENSG00000247853	NA	NA	NA	11.48997729	-0.414630454	0.947096363	-0.437791201	0.66153765	0.999371363	Not Sig
ENSG00000175073	VCPIP1	valosin containing protein interacting protein 1	80124	1887.678903	-0.414563146	0.45869321	-0.903791765	0.366105829	0.999371363	Not Sig
ENSG00000168228	ZCCHC4	zinc finger CCHC-type containing 4	29063	328.1999221	-0.414280873	0.566859846	-0.730834748	0.464880096	0.999371363	Not Sig
ENSG00000160917	CPSF4	cleavage and polyadenylation specific factor 4	10898	442.9257427	-0.41397855	0.497031435	-0.832902148	0.404899918	0.999371363	Not Sig
ENSG00000005206	SPPL2B	signal peptide peptidase like 2B	56928	973.6755783	-0.413938834	0.521208266	-0.794190847	0.427084336	0.999371363	Not Sig
ENSG00000262514	NA	NA	NA	24.55363264	-0.413856028	0.755056602	-0.548112587	0.583614598	0.999371363	Not Sig
ENSG00000182873	PRKCZ-AS1	PRKCZ antisense RNA 1	100506504	27.65074322	-0.413669595	0.72802712	-0.568206299	0.569894895	0.999371363	Not Sig
ENSG00000232859	LYRM9	LYR motif containing 9	201229	130.5748519	-0.413657267	0.535372899	-0.772652609	0.439728001	0.999371363	Not Sig
ENSG00000230113	NA	NA	NA	0.837603878	-0.413653033	3.191196884	-0.129623163	0.896864577	NA	NA
ENSG00000256862	NA	NA	NA	0.837603878	-0.413653033	3.191196884	-0.129623163	0.896864577	NA	NA
ENSG00000196850	PPTC7	PTC7 protein phosphatase homolog	160760	1314.349453	-0.413633739	0.626083775	-0.660668357	0.508825021	0.999371363	Not Sig
ENSG00000174428	GTF2IRD2B	GTF2I repeat domain containing 2B	389524	292.1819837	-0.413607577	0.540561554	-0.765144273	0.444185639	0.999371363	Not Sig
ENSG00000250988	SNHG21	small nucleolar RNA host gene 21	100505616	9.732658012	-0.412905244	1.017004275	-0.406001483	0.684741511	0.999371363	Not Sig
ENSG00000105122	RASAL3	RAS protein activator like 3	64926	532.0651856	-0.41283686	0.788023042	-0.523889326	0.600355519	0.999371363	Not Sig
ENSG00000235245	NA	NA	NA	77.64089278	-0.412777148	0.506950217	-0.814236061	0.415509731	0.999371363	Not Sig
ENSG00000270061	NA	NA	NA	36.41545053	-0.412725037	0.714913946	-0.577307296	0.563731886	0.999371363	Not Sig
ENSG00000231880	NA	NA	NA	5.891490512	-0.412457361	1.164539045	-0.354180792	0.723203398	NA	NA
ENSG00000232015	NA	NA	NA	7.571259911	-0.412368652	1.447221467	-0.284938181	0.775691504	0.999371363	Not Sig
ENSG00000090238	YPEL3	yippee like 3	83719	1181.009479	-0.412355708	0.451372394	-0.913559875	0.360948159	0.999371363	Not Sig
ENSG00000265135	MIR5687	microRNA 5687	100847019	8.965618712	-0.412259138	0.951677091	-0.433192248	0.66487511	0.999371363	Not Sig
ENSG00000268427	NA	NA	NA	1.684922295	-0.412152892	2.286060487	-0.180289583	0.856925233	NA	NA
ENSG00000105053	VRK3	vaccinia related kinase 3	51231	696.7160298	-0.411877394	0.405904623	-1.014714717	0.310241837	0.999371363	Not Sig
ENSG00000266613	NA	NA	NA	2.508355844	-0.41187004	1.736363194	-0.237202701	0.812499541	NA	NA
ENSG00000250305	KIAA1456	KIAA1456	57604	225.1158487	-0.411771495	0.688043719	-0.598467051	0.549528338	0.999371363	Not Sig
ENSG00000267083	NA	NA	NA	17.28108001	-0.411720456	0.747706514	-0.550644469	0.581877418	0.999371363	Not Sig

ENSG00000124507	PACSIN1	protein kinase C and casein kinase substrate in neurons 1	29993	22.17988259	-0.411696553	1.026134904	-0.401210943	0.688264825	0.999371363	Not Sig
ENSG00000086666	ZFAND6	zinc finger AN1-type containing 6	54469	1422.500667	-0.411623763	0.551292782	-0.746651826	0.455273756	0.999371363	Not Sig
ENSG00000266019	MIR3609	microRNA 3609	100500819	59.83518477	-0.411584133	0.54520275	-0.754919399	0.450297345	0.999371363	Not Sig
ENSG00000133114	GPALPP1	GPALPP motifs containing 1	55425	557.748684	-0.411409147	0.468545893	-0.878055176	0.379913776	0.999371363	Not Sig
ENSG00000248366	NA	NA	NA	4.400994754	-0.411379938	1.454383301	-0.28285524	0.777287807	NA	NA
ENSG00000204149	AGAP6	ArfGAP with GTPase domain, ankyrin repeat and PH domain 6	414189	312.4029977	-0.411308338	0.442317913	-0.929893014	0.35242648	0.999371363	Not Sig
ENSG00000265532	NA	NA	NA	1.545433146	-0.411303673	2.314710363	-0.177691205	0.858965493	NA	NA
ENSG00000226819	NA	NA	NA	2.072745915	-0.411191005	1.809508304	-0.227239082	0.82023784	NA	NA
ENSG00000057935	MTA3	metastasis associated 1 family member 3	57504	807.43113	-0.41099961	0.517705834	-0.793886379	0.42726158	0.999371363	Not Sig
ENSG00000120526	NUCD1	NudC domain containing 1	84955	400.8662215	-0.410542545	0.597833644	-0.686717031	0.492261062	0.999371363	Not Sig
ENSG00000182568	SATB1	SATB homeobox 1	6304	1583.843718	-0.410443797	0.469535322	-0.874148926	0.382037156	0.999371363	Not Sig
ENSG00000227345	PARG	poly(ADP-ribose) glycohydrolase	8505	318.750134	-0.410376582	0.504897632	-0.812791655	0.416337521	0.999371363	Not Sig
ENSG00000184163	CIQTNF12	CIq and TNF related 12	388581	17.08867857	-0.409937594	0.703989797	-0.582306159	0.560360478	0.999371363	Not Sig
ENSG00000207001	SNORD116-2	small nucleolar RNA, C/D box 116-2	100033414	5.860864056	-0.409861526	1.061337198	-0.386174655	0.699367323	NA	NA
ENSG00000256210	NA	NA	NA	1.714104157	-0.40970173	1.932744646	-0.211979234	0.832123235	NA	NA
ENSG00000095383	TBC1D2	TBC1 domain family member 2	55357	1856.868366	-0.409659283	0.676864877	-0.605230523	0.545025838	0.999371363	Not Sig
ENSG00000067560	RHOA	ras homolog family member A	387	8086.819641	-0.409621789	0.443819378	-0.922947057	0.356034796	0.999371363	Not Sig
ENSG00000264392	NA	NA	NA	4.423584364	-0.409591568	1.193938086	-0.343059304	0.731553846	NA	NA
ENSG00000270011	ZNF559-ZNF177	ZNF559-ZNF177 readthrough	100529215	7.963948947	-0.409561223	0.973224682	-0.420829055	0.673879913	0.999371363	Not Sig
ENSG00000252515	NA	NA	NA	4.009872455	-0.409535705	1.480727578	-0.276577347	0.782104661	NA	NA
ENSG00000268006	PTOV1-AS1	PTOV1 antisense RNA 1	100506033	72.18216588	-0.409513222	0.658729188	-0.621671591	0.534157836	0.999371363	Not Sig
ENSG00000171798	KNDC1	kinase non-catalytic C-lobe domain containing 1	85442	501.1318013	-0.409334865	1.07606713	-0.380399005	0.703649253	0.999371363	Not Sig
ENSG00000258650	NA	NA	NA	2.957255851	-0.409167114	1.518198583	-0.269508296	0.787538559	NA	NA
ENSG00000268516	LOC105372482	uncharacterized LOC105372482	105372482	68.27314264	-0.40913178	0.511944387	-0.799172313	0.424190504	0.999371363	Not Sig
ENSG00000100814	CCNB1IP1	cyclin B1 interacting protein 1	57820	369.4547486	-0.409061679	0.466436375	-0.876993522	0.380490157	0.999371363	Not Sig
ENSG00000135766	EGLN1	egl-9 family hypoxia inducible factor 1	54583	1615.593734	-0.408971984	0.461943457	-0.885329097	0.375979161	0.999371363	Not Sig
ENSG00000107566	ERLIN1	ER lipid raft associated 1	10613	645.6047017	-0.408930246	0.478697756	-0.854255615	0.392963374	0.999371363	Not Sig
ENSG00000101181	MTG2	mitochondrial ribosome associated GTPase 2	26164	537.6757923	-0.40886378	0.464566476	-0.880097469	0.37880651	0.999371363	Not Sig
ENSG00000237101	LOC101927164	uncharacterized LOC101927164	101927164	1.173501309	-0.408684016	2.498892442	-0.163546061	0.87008851	NA	NA
ENSG00000182923	CEP63	centrosomal protein 63	80254	628.784663	-0.408109002	0.509884252	-0.800395384	0.423481755	0.999371363	Not Sig
ENSG00000261812	NA	NA	NA	1.804362406	-0.408096802	1.760918521	-0.231752234	0.816730459	NA	NA
ENSG00000076555	ACACB	acetyl-CoA carboxylase beta	32	1098.473235	-0.407985146	0.785408657	-0.519455881	0.603442871	0.999371363	Not Sig
ENSG00000262420	NA	NA	NA	8.7436204	-0.407934067	0.900980585	-0.452766767	0.650716696	0.999371363	Not Sig
ENSG00000139725	RHOF	ras homolog family member F, filopodia associated	54509	658.1392507	-0.407754485	0.590887346	-0.690071446	0.490149259	0.999371363	Not Sig
ENSG00000271147	NA	NA	NA	123.4957352	-0.407670088	0.660788358	-0.616945022	0.537270989	0.999371363	Not Sig

ENSG00000153879	CEBPG	CCAAT/enhancer binding protein gamma	1054	587.2967129	-0.407663187	0.402498773	-1.012830881	0.311140948	0.999371363	Not Sig
ENSG00000156052	GNAQ	G protein subunit alpha q	2776	2904.517006	-0.407657867	0.481608963	-0.846449918	0.397301802	0.999371363	Not Sig
ENSG00000233674	NA	NA	NA	6.12095043	-0.40753223	1.140724703	-0.357257302	0.720899192	NA	NA
ENSG00000237575	PYY2	peptide YY 2 (pseudogene)	23615	1.355462399	-0.407465359	2.346550399	-0.17364441	0.862144928	NA	NA
ENSG00000253785	NA	NA	NA	1.355462399	-0.407465359	2.346550399	-0.17364441	0.862144928	NA	NA
ENSG00000269958	NA	NA	NA	254.9393045	-0.407420548	0.52366304	-0.778020438	0.436556965	0.999371363	Not Sig
ENSG00000253549	CA3-AS1	CA3 antisense RNA 1	100996348	6.338254056	-0.407370526	1.070131805	-0.380673225	0.703445739	NA	NA
ENSG00000134318	ROCK2	Rho associated coiled-coil containing protein kinase 2	9475	3636.629235	-0.407247515	0.491740911	-0.828174971	0.407571416	0.999371363	Not Sig
ENSG00000199179	MIRLET71	microRNA let-7i	406891	12.42562689	-0.407190626	1.023157598	-0.397974493	0.690648988	0.999371363	Not Sig
ENSG00000161298	ZNF382	zinc finger protein 382	84911	75.10514833	-0.407161021	0.656574455	-0.620129245	0.535172699	0.999371363	Not Sig
ENSG00000124151	NCOA3	nuclear receptor coactivator 3	8202	2608.021826	-0.407083161	0.533751792	-0.762682518	0.445652759	0.999371363	Not Sig
ENSG00000266138	NA	NA	NA	14.15411818	-0.406977347	0.779022187	-0.52242074	0.601377419	0.999371363	Not Sig
ENSG00000179588	ZFPM1	zinc finger protein, FOG family member 1	161882	333.7534533	-0.406956555	0.511767694	-0.795197821	0.426498439	0.999371363	Not Sig
ENSG00000176407	KCMF1	potassium channel modulatory factor 1	56888	979.787456	-0.406855049	0.440477337	-0.923668518	0.355658928	0.999371363	Not Sig
ENSG00000112029	FBX05	F-box protein 5	26271	144.8863513	-0.406659077	0.642908884	-0.632529876	0.527040693	0.999371363	Not Sig
ENSG00000203760	CENPW	centromere protein W	387103	34.29098876	-0.406588458	0.800278423	-0.508058753	0.61141214	0.999371363	Not Sig
ENSG00000196605	ZNF846	zinc finger protein 846	162993	259.5251155	-0.406554253	0.493257023	-0.824223954	0.409812319	0.999371363	Not Sig
ENSG00000163611	SPICE1	spindle and centriole associated protein 1	152185	927.845151	-0.406349756	0.666125322	-0.610019981	0.541848572	0.999371363	Not Sig
ENSG00000235313	NA	NA	NA	35.36590517	-0.405970328	0.654498909	-0.620276553	0.535075729	0.999371363	Not Sig
ENSG00000249684	NA	NA	NA	17.18813008	-0.405963672	1.271545509	-0.319267906	0.749523368	0.999371363	Not Sig
ENSG00000222301	NA	NA	NA	5.973451625	-0.405929233	1.048008533	-0.3873339	0.698509032	NA	NA
ENSG00000099999	RNF215	ring finger protein 215	200312	294.8302326	-0.405761922	0.539196674	-0.752530462	0.451732118	0.999371363	Not Sig
ENSG00000077943	ITGA8	integrin subunit alpha 8	8516	1223.60584	-0.405216528	0.959342333	-0.422389916	0.672740437	0.999371363	Not Sig
ENSG00000255389	NA	NA	NA	24.02633725	-0.405112387	0.629259195	-0.643792559	0.519709959	0.999371363	Not Sig
ENSG00000183067	IGSF5	immunoglobulin superfamily member 5	150084	1.416538786	-0.404858816	2.319324941	-0.174558902	0.861426244	NA	NA
ENSG00000240395	NA	NA	NA	1.416538786	-0.404858816	2.319324941	-0.174558902	0.861426244	NA	NA
ENSG00000166579	NDEL1	nudE neurodevelopment protein 1 like 1	81565	1575.626093	-0.404688851	0.475934774	-0.85030318	0.395156549	0.999371363	Not Sig
ENSG00000229348	NA	NA	NA	11.99597943	-0.404586504	0.901862767	-0.448612049	0.65371154	0.999371363	Not Sig
ENSG00000124835	LOC93463	uncharacterized LOC93463	93463	13.61416854	-0.404564706	1.059959611	-0.38167936	0.702699211	0.999371363	Not Sig
ENSG00000114126	TFDP2	transcription factor Dp-2	7029	970.2440092	-0.404501469	0.43811173	-0.923283814	0.355859321	0.999371363	Not Sig
ENSG00000238775	NA	NA	NA	1.897222361	-0.404098648	2.135313172	-0.189245612	0.84990032	NA	NA
ENSG00000101193	GID8	GID complex subunit 8 homolog	54994	866.0506897	-0.40408808	0.474497384	-0.851612872	0.394428993	0.999371363	Not Sig
ENSG00000150938	CRIMI	cysteine rich transmembrane BMP regulator 1	51232	4267.847493	-0.404077475	0.645246489	-0.626237387	0.531159248	0.999371363	Not Sig
ENSG00000266458	MIR4259	microRNA 4259	100422852	2.453827948	-0.403977978	1.619735495	-0.249409844	0.803043771	NA	NA
ENSG00000272572	NA	NA	NA	10.41934874	-0.403822875	0.950944829	-0.424654367	0.671088654	0.999371363	Not Sig

ENSG00000065150	IPO5	importin 5		3843	2117.451324	-0.4038108	0.446252043	-0.90489401	0.365521541	0.999371363	Not Sig
ENSG00000184209	SNRNP35	small nuclear ribonucleoprotein U11/U12 subunit 35		11066	328.8618098	-0.403660919	0.421913504	-0.956738562	0.338699229	0.999371363	Not Sig
ENSG00000243280	NA	NA	NA		8.919681107	-0.403623859	0.919168643	-0.439118395	0.660575751	0.999371363	Not Sig
ENSG00000050426	LETMD1	LETM1 domain containing 1		25875	780.9837825	-0.403604619	0.461472794	-0.874601113	0.381790982	0.999371363	Not Sig
ENSG00000259342	NA	NA	NA		21.2672776	-0.403574519	1.434114547	-0.28141024	0.778395765	0.999371363	Not Sig
ENSG00000119640	ACYP1	acylphosphatase 1		97	127.6438817	-0.403279103	0.531721874	-0.758439934	0.448187659	0.999371363	Not Sig
ENSG00000261468	NA	NA	NA		47.07150221	-0.403255434	0.653171569	-0.617380569	0.536983736	0.999371363	Not Sig
ENSG00000199636	NA	NA	NA		1.014544836	-0.403119933	3.030573081	-0.133017724	0.894179364	NA	NA
ENSG00000222741	NA	NA	NA		1.014544836	-0.403119933	3.030573081	-0.133017724	0.894179364	NA	NA
ENSG00000198538	ZNF28	zinc finger protein 28		7576	492.5723243	-0.403070643	0.559897064	-0.719901332	0.471585748	0.999371363	Not Sig
ENSG00000152804	HHEX	hematopoietically expressed homeobox		3087	236.2058949	-0.40300664	0.789239918	-0.510626276	0.609612773	0.999371363	Not Sig
ENSG00000236624	NA	NA	NA		36.84609927	-0.402978319	0.740813466	-0.543967324	0.586463959	0.999371363	Not Sig
ENSG00000165102	HGSNAT	heparan-alpha-glucosaminide N-acetyltransferase		138050	2214.030197	-0.402912211	0.41387127	-0.97352061	0.330294622	0.999371363	Not Sig
ENSG00000113441	LNPEP	leucyl and cystinyl aminopeptidase		4012	3294.966464	-0.402810449	0.566417752	-0.71115435	0.476988593	0.999371363	Not Sig
ENSG00000186118	TEX38	testis expressed 38		374973	1.995473693	-0.402638364	2.52250416	-0.159618513	0.873181594	NA	NA
ENSG00000187187	ZNF546	zinc finger protein 546		339327	122.084978	-0.402597236	0.469148201	-0.858145113	0.390812339	0.999371363	Not Sig
ENSG00000240489	NA	NA	NA		11.60100904	-0.402585267	0.879079466	-0.457962315	0.646979516	0.999371363	Not Sig
ENSG00000145375	SPATA5	spermatogenesis associated 5		166378	570.201499	-0.402569704	0.499989587	-0.805156176	0.420729562	0.999371363	Not Sig
ENSG00000010322	NISCH	nischarin		11188	2817.064729	-0.402447847	0.467448148	-0.860946501	0.389267509	0.999371363	Not Sig
ENSG00000135655	USP15	ubiquitin specific peptidase 15		9958	1757.815142	-0.402422652	0.56236265	-0.715592779	0.474242834	0.999371363	Not Sig
ENSG00000181555	SETD2	SET domain containing 2		29072	4011.158283	-0.402138753	0.507610336	-0.792219396	0.428232761	0.999371363	Not Sig
ENSG00000134216	CHIA	chitinase, acidic		27159	45.05620601	-0.402090225	0.78852924	-0.509924305	0.610104493	0.999371363	Not Sig
ENSG00000261596	NA	NA	NA		38.68523546	-0.402005193	0.628110903	-0.640022632	0.522157886	0.999371363	Not Sig
ENSG00000227077	NA	NA	NA		4.857622172	-0.401863305	1.254919883	-0.320230044	0.748793949	NA	NA
ENSG00000231500	RPS18	ribosomal protein S18		6222	9197.502177	-0.401820952	0.604575903	-0.664632762	0.506285409	0.999371363	Not Sig
ENSG00000236404	VLDLR-AS1	VLDLR antisense RNA 1		401491	19.05509765	-0.401679868	0.86291662	-0.465490939	0.641579924	0.999371363	Not Sig
ENSG00000229299	NA	NA	NA		4.393987493	-0.401630253	1.182372299	-0.339681717	0.734096232	NA	NA
ENSG00000224566	NA	NA	NA		5.06887745	-0.401498789	1.827684875	-0.219676157	0.826123375	NA	NA
ENSG00000107816	LZTS2	leucine zipper tumor suppressor 2		84445	1509.88583	-0.401456199	0.552871858	-0.726128837	0.467759792	0.999371363	Not Sig
ENSG00000236310	NA	NA	NA		2.712081912	-0.401387023	1.734082938	-0.231469334	0.816950206	NA	NA
ENSG00000234176	NA	NA	NA		2.156151621	-0.401385803	1.847497879	-0.217259141	0.828006397	NA	NA
ENSG00000258565	NA	NA	NA		2.156151621	-0.401385803	1.847497879	-0.217259141	0.828006397	NA	NA
ENSG00000023287	RB1CC1	RB1 inducible coiled-coil 1		9821	2811.515474	-0.401258989	0.483626261	-0.829688174	0.406715109	0.999371363	Not Sig
ENSG00000234724	NA	NA	NA		12.87035982	-0.401116267	0.848993047	-0.472461192	0.636597636	0.999371363	Not Sig
ENSG00000161133	USP41	ubiquitin specific peptidase 41		373856	4.857733127	-0.400914904	1.529775574	-0.262074327	0.793264139	NA	NA

ENSG00000197046	SIGLEC15	sialic acid binding Ig like lectin 15	284266	16.65347814	-0.400863287	0.899009741	-0.445894264	0.655673626	0.999371363	Not Sig
ENSG00000225733	FGD5-AS1	FGD5 antisense RNA 1	100505641	2331.259415	-0.400748906	0.409402151	-0.978863705	0.327647328	0.999371363	Not Sig
ENSG00000035115	SH3YL1	SH3 and SYLF domain containing 1	26751	1334.127746	-0.400733648	0.503974716	-0.795146335	0.426528384	0.999371363	Not Sig
ENSG00000151491	EPS8	epidermal growth factor receptor pathway substrate 8	2059	3333.068468	-0.40059472	0.712151077	-0.562513675	0.573766089	0.999371363	Not Sig
ENSG00000170906	NDUFA3	NADH:ubiquinone oxidoreductase subunit A3	4696	420.9045989	-0.40044585	0.481530951	-0.831609783	0.405629238	0.999371363	Not Sig
ENSG00000167378	IRGQ	immunity related GTPase Q	126298	1089.53775	-0.400376287	0.384560042	-1.041128155	0.297816074	0.999371363	Not Sig
ENSG00000233246	LOC101929464	uncharacterized LOC101929464	101929464	10.8654665	-0.400093709	1.203045319	-0.332567446	0.73946082	0.999371363	Not Sig
ENSG00000100802	C14orf93	chromosome 14 open reading frame 93	60686	200.3639314	-0.40002281	0.494347626	-0.809193347	0.418403941	0.999371363	Not Sig
ENSG00000153487	ING1	inhibitor of growth family member 1	3621	445.7941754	-0.399878516	0.487836452	-0.819697903	0.412388346	0.999371363	Not Sig
ENSG00000163554	SPTA1	spectrin alpha, erythrocytic 1	6708	7.297484744	-0.399758119	1.170030451	-0.341664713	0.73260323	0.999371363	Not Sig
ENSG00000232994	NA	NA	NA	58.92483652	-0.399720691	0.737716377	-0.541835188	0.587932049	0.999371363	Not Sig
ENSG00000155256	ZFYVE27	zinc finger FYVE-type containing 27	118813	695.6217132	-0.399513046	0.427410288	-0.934729597	0.34992767	0.999371363	Not Sig
ENSG00000222650	NA	NA	NA	2.546687903	-0.399325388	1.542582967	-0.258868013	0.795737079	NA	NA
ENSG00000268485	NA	NA	NA	35.94749946	-0.399225797	0.773541321	-0.51610145	0.605783555	0.999371363	Not Sig
ENSG00000215630	NA	NA	NA	249.3545594	-0.399192069	0.634577489	-0.629067491	0.529304872	0.999371363	Not Sig
ENSG00000093183	SEC22C	SEC22 homolog C, vesicle trafficking protein	9117	935.8552792	-0.398992464	0.426988287	-0.934434212	0.350079957	0.999371363	Not Sig
ENSG00000130751	NPAS1	neuronal PAS domain protein 1	4861	25.69747842	-0.39893367	0.87115497	-0.457936513	0.646998053	0.999371363	Not Sig
ENSG00000214558	NA	NA	NA	5.701492575	-0.398931717	1.095184451	-0.364259844	0.715663983	NA	NA
ENSG00000261385	NA	NA	NA	3.563236158	-0.398904324	1.270561606	-0.313959057	0.753552135	NA	NA
ENSG00000162341	TPCN2	two pore segment channel 2	219931	546.270258	-0.398544279	0.475257104	-0.838586684	0.401701285	0.999371363	Not Sig
ENSG00000069399	BCL3	B-cell CLL/lymphoma 3	602	1845.46536	-0.398469821	0.546773947	-0.728765192	0.466145307	0.999371363	Not Sig
ENSG00000211455	STK38L	serine/threonine kinase 38 like	23012	990.7321096	-0.398268174	0.620437023	-0.641915552	0.520928016	0.999371363	Not Sig
ENSG00000149782	PLCB3	phospholipase C beta 3	5331	1377.522872	-0.398238188	0.644668674	-0.617740871	0.536746166	0.999371363	Not Sig
ENSG00000119899	SLC17A5	solute carrier family 17 member 5	26503	702.8285389	-0.398155397	0.461659668	-0.862443537	0.388443491	0.999371363	Not Sig
ENSG00000160447	PKN3	protein kinase N3	29941	385.3839611	-0.398055938	0.814626863	-0.488635909	0.625099486	0.999371363	Not Sig
ENSG00000164978	NUDT2	nudix hydrolase 2	318	138.1395435	-0.397924663	0.534012757	-0.74515947	0.456175321	0.999371363	Not Sig
ENSG00000107372	ZFAND5	zinc finger AN1-type containing 5	7763	4568.085069	-0.397706232	0.500304862	-0.794927777	0.426655515	0.999371363	Not Sig
ENSG00000242852	ZNF709	zinc finger protein 709	163051	13.96389792	-0.397498906	0.809271732	-0.491181009	0.62329843	0.999371363	Not Sig
ENSG00000256591	NA	NA	NA	13.21523536	-0.397224193	0.880826878	-0.450967384	0.652013056	0.999371363	Not Sig
ENSG00000169359	SLC33A1	solute carrier family 33 member 1	9197	1135.202362	-0.396731546	0.611127546	-0.649179616	0.516222286	0.999371363	Not Sig
ENSG00000021762	OSBPL5	oxysterol binding protein like 5	114879	929.7008748	-0.396660173	0.773354618	-0.512908521	0.608015313	0.999371363	Not Sig
ENSG00000101445	PPP1R16B	protein phosphatase 1 regulatory subunit 16B	26051	678.1952365	-0.396192919	0.817853301	-0.484430299	0.62808052	0.999371363	Not Sig
ENSG00000153896	ZNF599	zinc finger protein 599	148103	120.5090492	-0.396119637	0.435785036	-0.908979438	0.36336098	0.999371363	Not Sig
ENSG00000234772	NA	NA	NA	6.254406153	-0.39603746	1.046398826	-0.378476591	0.705076581	NA	NA
ENSG00000015285	WAS	Wiskott-Aldrich syndrome	7454	474.0523833	-0.395991872	0.891283535	-0.444293939	0.656830083	0.999371363	Not Sig

ENSG00000151092	NGLY1	N-glycanase 1	55768	801.3204484	-0.395983038	0.60839836	-0.65086145	0.515135929	0.999371363	Not Sig
ENSG00000267395	DM1-AS	DM1 locus antisense RNA	109729182	31.25641904	-0.395727333	0.772838209	-0.512044214	0.608620066	0.999371363	Not Sig
ENSG00000263911	NA	NA	NA	1.164047061	-0.395725584	2.502291258	-0.158145293	0.874342311	NA	NA
ENSG00000204388	HSPA1B	heat shock protein family A (Hsp70) member 1B	3304	2231.081338	-0.395617619	0.448748272	-0.881602546	0.377991778	0.999371363	Not Sig
ENSG00000172349	IL16	interleukin 16	3603	1376.81421	-0.395609351	0.850553966	-0.465119636	0.641845785	0.999371363	Not Sig
ENSG00000105372	RPS19	ribosomal protein S19	6223	4960.037676	-0.395526818	0.507560195	-0.779270757	0.435820237	0.999371363	Not Sig
ENSG00000257591	ZNF625	zinc finger protein 625	90589	10.39773433	-0.395465217	0.909333176	-0.434895842	0.663638033	0.999371363	Not Sig
ENSG00000198431	TXNRD1	thioredoxin reductase 1	7296	3602.464151	-0.395447817	0.776786595	-0.509081671	0.610694979	0.999371363	Not Sig
ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1	6614	1581.288195	-0.395349604	1.070123002	-0.369443142	0.711797446	0.999371363	Not Sig
ENSG00000144445	KANSL1L	KAT8 regulatory NSL complex subunit 1 like	151050	1017.487432	-0.395348372	0.448162484	-0.882154099	0.37769348	0.999371363	Not Sig
ENSG00000070366	SMG6	SMG6, nonsense mediated mRNA decay factor	23293	1532.162221	-0.395179296	0.436178668	-0.906003263	0.364934125	0.999371363	Not Sig
ENSG00000123427	EEF1AKMT3	EEF1A lysine methyltransferase 3	25895	254.0007886	-0.394895417	0.4330041	-0.911990017	0.361773973	0.999371363	Not Sig
ENSG00000137970	NA	NA	NA	35.61955537	-0.394871417	0.65110659	-0.606462019	0.544207996	0.999371363	Not Sig
ENSG00000115425	PECR	peroxisomal trans-2-enoyl-CoA reductase	55825	148.1496876	-0.394828377	0.566987908	-0.696361195	0.486202658	0.999371363	Not Sig
ENSG00000007306	CEACAM7	carcinoembryonic antigen related cell adhesion molecule 7	1087	17.40144468	-0.394600127	1.379093346	-0.286130107	0.774778473	0.999371363	Not Sig
ENSG00000075539	FRYL	FRY like transcription coactivator	285527	3390.552425	-0.394351467	0.483792683	-0.81512491	0.415000815	0.999371363	Not Sig
ENSG00000101407	TTI1	TELO2 interacting protein 1	9675	700.3769663	-0.394292106	0.509129853	-0.77444311	0.438668799	0.999371363	Not Sig
ENSG00000213799	ZNF845	zinc finger protein 845	91664	354.3672409	-0.394270022	0.442421081	-0.891164638	0.372840852	0.999371363	Not Sig
ENSG00000065621	GSTO2	glutathione S-transferase omega 2	119391	317.4911199	-0.393938533	0.583142153	-0.6755446	0.499329825	0.999371363	Not Sig
ENSG00000131016	AKAP12	A-kinase anchoring protein 12	9590	2020.5592	-0.393934882	0.597608125	-0.659185954	0.509776366	0.999371363	Not Sig
ENSG00000129219	PLD2	phospholipase D2	5338	723.2080438	-0.393713246	0.511985321	-0.768993231	0.441897329	0.999371363	Not Sig
ENSG00000104142	VPS18	VPS18, CORVET/HOPS core subunit	57617	1061.095385	-0.39369885	0.586387246	-0.671397363	0.501967425	0.999371363	Not Sig
ENSG00000082898	XPO1	exportin 1	7514	5033.129403	-0.393483259	0.647705095	-0.607503726	0.543516671	0.999371363	Not Sig
ENSG00000107147	KCNT1	potassium sodium-activated channel subfamily T member 1	57582	9.888371146	-0.393254256	1.272925205	-0.308937442	0.757369114	0.999371363	Not Sig
ENSG00000169062	UPF3A	UPF3A, regulator of nonsense mediated mRNA decay	65110	687.8828209	-0.392794543	0.496181688	-0.791634501	0.428573824	0.999371363	Not Sig
ENSG00000132549	VPS13B	vacuolar protein sorting 13 homolog B	157680	3681.717179	-0.392665287	0.545476702	-0.71985712	0.471612972	0.999371363	Not Sig
ENSG00000105429	MEGF8	multiple EGF like domains 8	1954	1622.105932	-0.392540757	0.489311997	-0.802229987	0.422419933	0.999371363	Not Sig
ENSG00000152229	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	9050	318.8126262	-0.392537169	0.518541571	-0.757002313	0.449048477	0.999371363	Not Sig
ENSG00000163655	GMPS	guanine monophosphate synthase	8833	1243.054604	-0.392521072	0.573051462	-0.68496653	0.493365042	0.999371363	Not Sig
ENSG00000261126	RBFADN	RBFA downstream neighbor (non-protein coding)	100506070	33.57169095	-0.392474871	0.811254908	-0.483787362	0.628536785	0.999371363	Not Sig
ENSG00000267682	NA	NA	NA	42.92280773	-0.392326775	0.530169769	-0.740002162	0.459298683	0.999371363	Not Sig
ENSG00000125611	CHCHD5	coiled-coil-helix-coiled-coil-helix domain containing 5	84269	228.6188901	-0.392143504	0.620131207	-0.632355701	0.527154474	0.999371363	Not Sig
ENSG00000272146	ARF4-AS1	ARF4 antisense RNA 1	106144532	17.26330145	-0.392131138	0.799178401	-0.490667838	0.623661398	0.999371363	Not Sig
ENSG00000240370	RPL13P5	ribosomal protein L13 pseudogene 5	283345	68.55756975	-0.392119682	0.496822298	-0.7892554	0.429962748	0.999371363	Not Sig
ENSG00000270062	NA	NA	NA	13.77488609	-0.392093216	1.106373797	-0.354394886	0.723042966	0.999371363	Not Sig

ENSG00000105171	POP4	POP4 homolog, ribonuclease P/MRP subunit	10775	341.3521984	-0.392092467	0.411350913	-0.953182439	0.340497642	0.999371363	Not Sig
ENSG00000136938	ANP32B	acidic nuclear phosphoprotein 32 family member B	10541	2373.935913	-0.391671354	0.410306803	-0.954581673	0.339789289	0.999371363	Not Sig
ENSG00000134627	PIWIL4	piwi like RNA-mediated gene silencing 4	143689	85.98709511	-0.391003655	0.636736394	-0.614074612	0.539166024	0.999371363	Not Sig
ENSG00000101353	MROH8	maestro heat like repeat family member 8	140699	56.48406057	-0.390861217	0.697035585	-0.560747866	0.574969431	0.999371363	Not Sig
ENSG00000270116	NA	NA	NA	75.07151673	-0.390754999	0.821558019	-0.475626785	0.63434029	0.999371363	Not Sig
ENSG00000178789	CD300LB	CD300 molecule like family member b	124599	55.73566053	-0.390523865	1.02359343	-0.381522442	0.702815622	0.999371363	Not Sig
ENSG00000175164	ABO	ABO, alpha 1-3-N-acetylgalactosaminyltransferase and alpha 1-3-galactosyltransferase	28	244.7883828	-0.390299788	0.637651114	-0.612089871	0.540478298	0.999371363	Not Sig
ENSG00000229816	NA	NA	NA	81.16815302	-0.390121381	0.605521718	-0.644273144	0.519398327	0.999371363	Not Sig
ENSG00000230185	NA	NA	NA	19.54141275	-0.390094054	0.717736528	-0.543505923	0.586781514	0.999371363	Not Sig
ENSG00000221930	NA	NA	NA	1.758873752	-0.389819953	1.711918246	-0.227709445	0.819872129	NA	NA
ENSG00000131507	NDFIP1	Nedd4 family interacting protein 1	80762	2648.911897	-0.389805583	0.522251788	-0.746393965	0.455429464	0.999371363	Not Sig
ENSG00000019549	SNAI2	snail family transcriptional repressor 2	6591	120.013389	-0.389640237	0.581668832	-0.669866109	0.502943146	0.999371363	Not Sig
ENSG00000239948	NA	NA	NA	21.05689435	-0.389631845	0.8867188	-0.439408576	0.660365514	0.999371363	Not Sig
ENSG00000006704	GTF2IRD1	GTF2I repeat domain containing 1	9569	695.0096853	-0.389575144	0.562953713	-0.69201985	0.488924863	0.999371363	Not Sig
ENSG00000148303	RPL7A	ribosomal protein L7a	6130	9735.840459	-0.388910867	0.451133366	-0.862075156	0.388646162	0.999371363	Not Sig
ENSG00000164061	BSN	bassoon presynaptic cytomatrix protein	8927	96.98512764	-0.388861005	0.822168269	-0.472970096	0.636234514	0.999371363	Not Sig
ENSG00000187808	SOWAHD	sosondawah ankyrin repeat domain family member D	347454	49.10453483	-0.388576611	1.000151128	-0.388517895	0.697632814	0.999371363	Not Sig
ENSG00000232150	NA	NA	NA	3.558216025	-0.388500995	1.395023497	-0.278490646	0.780635744	NA	NA
ENSG00000215421	ZNF407	zinc finger protein 407	55628	1385.088628	-0.388483327	0.487330313	-0.797166351	0.425354426	0.999371363	Not Sig
ENSG00000164096	C4orf3	chromosome 4 open reading frame 3	401152	1527.071225	-0.388427214	0.493409089	-0.787231574	0.431146317	0.999371363	Not Sig
ENSG00000179981	TSHZ1	teashirt zinc finger homeobox 1	10194	809.1036581	-0.388322143	0.483746327	-0.802739207	0.422125486	0.999371363	Not Sig
ENSG00000159055	MIS18A	MIS18 kinetochore protein A	54069	123.5671782	-0.388246814	0.61731832	-0.628924821	0.529398275	0.999371363	Not Sig
ENSG00000115020	PIKFYVE	phosphoinositide kinase, FYVE-type zinc finger containing	200576	2242.671874	-0.388150794	0.51036949	-0.760528994	0.446938445	0.999371363	Not Sig
ENSG00000130528	HRC	histidine rich calcium binding protein	3270	28.35815226	-0.387945521	0.786156331	-0.493471216	0.621679673	0.999371363	Not Sig
ENSG00000177733	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0	10949	2348.253347	-0.387906942	0.453813864	-0.854771026	0.392677921	0.999371363	Not Sig
ENSG00000109046	WSB1	WD repeat and SOCS box containing 1	26118	9530.099277	-0.387580578	0.738316589	-0.52495174	0.59961674	0.999371363	Not Sig
ENSG00000224531	SMIM13	small integral membrane protein 13	221710	348.9963825	-0.387455444	0.472062553	-0.820771402	0.411776491	0.999371363	Not Sig
ENSG00000254838	GVINP1	GTPase, very large interferon inducible pseudogene 1	387751	792.6220728	-0.387164942	0.801579983	-0.483002258	0.629094133	0.999371363	Not Sig
ENSG00000162490	DRAXIN	dorsal inhibitory axon guidance protein	374946	18.31549295	-0.387152847	1.131387493	-0.34219297	0.732205675	0.999371363	Not Sig
ENSG00000178386	ZNF223	zinc finger protein 223	7766	29.65814573	-0.387037235	0.780114961	-0.496128461	0.61980378	0.999371363	Not Sig
ENSG00000211491	MIR320D1	microRNA 320d-1	100313896	3.889004043	-0.386829738	1.506991701	-0.256690026	0.797418072	NA	NA
ENSG00000154001	PPP2R5E	protein phosphatase 2 regulatory subunit B' epsilon	5529	2044.93197	-0.386756265	0.551414044	-0.701389944	0.483059696	0.999371363	Not Sig
ENSG00000155868	MED7	mediator complex subunit 7	9443	225.1842347	-0.386498481	0.462058499	-0.836470884	0.40289005	0.999371363	Not Sig
ENSG00000228506	NA	NA	NA	115.8603982	-0.386206348	0.631111674	-0.611946133	0.540573398	0.999371363	Not Sig
ENSG00000123685	BATF3	basic leucine zipper ATF-like transcription factor 3	55509	65.47762456	-0.386156853	0.615418641	-0.627470193	0.530351069	0.999371363	Not Sig

ENSG00000134899	ERCC5	ERCC excision repair 5, endonuclease	2073	432.4605412	-0.386156337	0.425456192	-0.907628903	0.364074318	0.999371363	Not Sig
ENSG00000123415	SMUG1	single-strand-selective monofunctional uracil-DNA glycosylase 1	23583	372.8441866	-0.385838843	0.401627261	-0.960688877	0.336708625	0.999371363	Not Sig
ENSG00000152455	SUV39H2	suppressor of variegation 3-9 homolog 2	79723	152.74994	-0.385835726	0.66419252	-0.580909472	0.561301468	0.999371363	Not Sig
ENSG00000204673	AKT1S1	AKT1 substrate 1	84335	777.0839425	-0.385412282	0.467050151	-0.825205348	0.409255018	0.999371363	Not Sig
ENSG00000106246	PTCD1	pentatricopeptide repeat domain 1	26024	91.92523713	-0.385405275	0.526138386	-0.73251693	0.463853113	0.999371363	Not Sig
ENSG00000261234	NA	NA	NA	8.705544486	-0.385374755	0.980923612	-0.392869282	0.69441603	0.999371363	Not Sig
ENSG00000241985	NA	NA	NA	40.26874119	-0.385278797	0.759289627	-0.507420072	0.611860105	0.999371363	Not Sig
ENSG00000177565	TBL1XR1	transducin beta like 1 X-linked receptor 1	79718	5113.267011	-0.385258543	0.65090986	-0.591876951	0.55393299	0.999371363	Not Sig
ENSG00000137968	SLC44A5	solute carrier family 44 member 5	204962	483.4680309	-0.384984089	1.455969229	-0.264417737	0.791458045	0.999371363	Not Sig
ENSG00000160948	VPS28	VPS28, ESCRT-I subunit	51160	1244.757446	-0.384951822	0.555738402	-0.6926853	0.488507066	0.999371363	Not Sig
ENSG00000186272	ZNF17	zinc finger protein 17	7565	180.7974388	-0.384921493	0.426760046	-0.901962349	0.367076869	0.999371363	Not Sig
ENSG00000026036	RTEL1-TNFRSF6B	RTEL1-TNFRSF6B readthrough (NMD candidate)	100533107	99.26269915	-0.384831646	0.547992853	-0.702256688	0.482519099	0.999371363	Not Sig
ENSG00000137135	ARHGEF39	Rho guanine nucleotide exchange factor 39	84904	48.72951025	-0.384829673	0.909635933	-0.423059006	0.672252211	0.999371363	Not Sig
ENSG00000249633	NA	NA	NA	7.753243767	-0.384753345	1.257498521	-0.305967235	0.759629593	0.999371363	Not Sig
ENSG00000133657	ATP13A3	ATPase 13A3	79572	3806.504873	-0.384282064	0.543468022	-0.707092319	0.479509109	0.999371363	Not Sig
ENSG00000178177	LCORL	ligand dependent nuclear receptor corepressor like	254251	489.0696663	-0.384266828	0.669773659	-0.573726397	0.566152963	0.999371363	Not Sig
ENSG00000130726	TRIM28	tripartite motif containing 28	10155	3466.952911	-0.383968304	0.474107264	-0.809876441	0.418011193	0.999371363	Not Sig
ENSG00000262495	NA	NA	NA	4.625711121	-0.383847764	1.312049975	-0.29255575	0.769861741	NA	NA
ENSG00000151693	ASAP2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2	8853	1260.877303	-0.383654234	0.442576173	-0.866865994	0.386015438	0.999371363	Not Sig
ENSG00000252147	NA	NA	NA	2.230103079	-0.38358258	1.758449241	-0.218136851	0.827322486	NA	NA
ENSG00000122417	ODF2L	outer dense fiber of sperm tails 2 like	57489	1589.966034	-0.382512021	0.756146864	-0.505870009	0.612947908	0.999371363	Not Sig
ENSG00000083828	ZNF586	zinc finger protein 586	54807	375.1580384	-0.382301742	0.437052448	-0.874727377	0.38172226	0.999371363	Not Sig
ENSG00000198015	MRPL42	mitochondrial ribosomal protein L42	28977	579.1762282	-0.382292513	0.645961701	-0.591819164	0.553971689	0.999371363	Not Sig
ENSG00000123607	TTC21B	tetratricopeptide repeat domain 21B	79809	874.0600964	-0.382241513	0.481201459	-0.7943482	0.426992751	0.999371363	Not Sig
ENSG00000173480	ZNF417	zinc finger protein 417	147687	429.98935	-0.382193301	0.533831655	-0.715943497	0.474026239	0.999371363	Not Sig
ENSG00000207759	MIR181A1	microRNA 181a-1	406995	2.733226929	-0.381948372	1.986681984	-0.19225441	0.847542928	NA	NA
ENSG00000043143	JADE2	jade family PHD finger 2	23338	2216.624245	-0.381892571	0.60408907	-0.632179243	0.527269759	0.999371363	Not Sig
ENSG00000156650	KAT6B	lysine acetyltransferase 6B	23522	1756.173129	-0.381806825	0.406368094	-0.939559062	0.347443783	0.999371363	Not Sig
ENSG00000139842	CUL4A	cullin 4A	8451	2015.982609	-0.381396108	0.458436842	-0.831949079	0.405437687	0.999371363	Not Sig
ENSG00000199477	SNORA31	small nucleolar RNA, H/ACA box 31	677814	14.25295678	-0.381301525	0.738652202	-0.516212534	0.605705977	0.999371363	Not Sig
ENSG00000006740	ARHGAP44	Rho GTPase activating protein 44	9912	1205.670544	-0.38117828	0.862131974	-0.44213449	0.658391888	0.999371363	Not Sig
ENSG00000123610	TNFAIP6	TNF alpha induced protein 6	7130	48.37954967	-0.381177867	0.615754934	-0.619041515	0.53588901	0.999371363	Not Sig
ENSG00000068305	MEF2A	myocyte enhancer factor 2A	4205	1970.276254	-0.380598948	0.436308435	-0.872316274	0.383035862	0.999371363	Not Sig
ENSG00000240053	LY6G5B	lymphocyte antigen 6 family member G5B	58496	53.24726783	-0.380298772	0.531946609	-0.714919065	0.474659056	0.999371363	Not Sig
ENSG00000236818	NA	NA	NA	1.400231994	-0.3802147	2.322390586	-0.163716948	0.869953975	NA	NA

ENSG00000270040	NA	NA	NA	14.93490451	-0.380189047	1.143877523	-0.332368667	0.739610895	0.999371363	Not Sig
ENSG00000152443	ZNF776	zinc finger protein 776	284309	476.2762833	-0.380078853	0.503221066	-0.755292015	0.450073789	0.999371363	Not Sig
ENSG00000201944	NA	NA	NA	26.18916404	-0.379858409	1.055989365	-0.359718026	0.719058011	0.999371363	Not Sig
ENSG00000155313	USP25	ubiquitin specific peptidase 25	29761	2173.246817	-0.379796259	0.506145756	-0.750369344	0.453032289	0.999371363	Not Sig
ENSG00000163818	LZTFL1	leucine zipper transcription factor like 1	54585	506.1785468	-0.379652373	0.578682123	-0.656063767	0.511783096	0.999371363	Not Sig
ENSG00000163701	IL17RE	interleukin 17 receptor E	132014	519.7971484	-0.379595475	0.728894696	-0.520782326	0.602518417	0.999371363	Not Sig
ENSG00000209482	SNORD83A	small nucleolar RNA, C/D box 83A	116937	8.563791347	-0.379491958	1.010030257	-0.375723356	0.707122572	0.999371363	Not Sig
ENSG00000117859	OSBPL9	oxysterol binding protein like 9	114883	2601.669587	-0.379427312	0.500708955	-0.75778016	0.448582602	0.999371363	Not Sig
ENSG00000241886	NA	NA	NA	46.51021651	-0.379192608	1.098522502	-0.345184197	0.729955898	0.999371363	Not Sig
ENSG00000264577	NA	NA	NA	13.96154698	-0.379043571	0.771467816	-0.491327782	0.623194633	0.999371363	Not Sig
ENSG00000139613	SMARCC2	<small>SMARCC2 related, active associated, active dependent regulator of chromatin subfamily 2 member 2</small>	6601	2983.131343	-0.378936448	0.420898824	-0.90030294	0.367959057	0.999371363	Not Sig
ENSG00000245025	LOC107986927	uncharacterized LOC107986927	107986927	88.04334132	-0.378881995	0.809604279	-0.46798418	0.639795903	0.999371363	Not Sig
ENSG00000254676	NA	NA	NA	14.11632963	-0.378706835	0.737639552	-0.513403645	0.607668996	0.999371363	Not Sig
ENSG00000042286	AIFM2	apoptosis inducing factor, mitochondria associated 2	84883	361.4936598	-0.378638649	0.598860616	-0.63226507	0.527213684	0.999371363	Not Sig
ENSG00000133773	CCDC59	coiled-coil domain containing 59	29080	285.5862165	-0.378539419	0.528948964	-0.715644503	0.474210887	0.999371363	Not Sig
ENSG00000226688	ENTPD1-AS1	ENTPD1 antisense RNA 1	728558	209.951617	-0.378355901	0.528221063	-0.716283251	0.473816466	0.999371363	Not Sig
ENSG00000266621	NA	NA	NA	6.372712197	-0.378243457	1.098104493	-0.344451243	0.730506958	NA	NA
ENSG00000166925	TSC22D4	TSC22 domain family member 4	81628	1330.915153	-0.37819977	0.498007275	-0.759426196	0.447597648	0.999371363	Not Sig
ENSG00000090989	EXOC1	exocyst complex component 1	55763	1243.28571	-0.378175632	0.538007107	-0.702919398	0.482105982	0.999371363	Not Sig
ENSG00000196652	ZKSCAN5	zinc finger with KRAB and SCAN domains 5	23660	392.0788085	-0.378147996	0.445439899	-0.848931577	0.395919367	0.999371363	Not Sig
ENSG00000254744	NA	NA	NA	1.445305641	-0.377832141	2.368782689	-0.159504771	0.873271199	NA	NA
ENSG00000170471	RALGAPB	<small>Ral GTPase activating protein non-catalytic beta subunit</small>	57148	2578.467721	-0.377769294	0.458253351	-0.824367772	0.409730621	0.999371363	Not Sig
ENSG00000152705	CATSPER3	cation channel sperm associated 3	347732	9.71646894	-0.37737901	1.015580603	-0.371589423	0.710198565	0.999371363	Not Sig
ENSG00000263276	NA	NA	NA	28.70098243	-0.377364139	0.928250598	-0.406532611	0.684351301	0.999371363	Not Sig
ENSG00000142512	SIGLEC10	sialic acid binding Ig like lectin 10	89790	184.5054629	-0.377357822	0.753784765	-0.500617471	0.616640365	0.999371363	Not Sig
ENSG00000184863	RBM33	RNA binding motif protein 33	155435	3491.063095	-0.377304555	0.490584456	-0.769091949	0.441838727	0.999371363	Not Sig
ENSG00000204954	C12orf73	chromosome 12 open reading frame 73	728568	94.51626818	-0.376782947	0.460846963	-0.817587999	0.413592482	0.999371363	Not Sig
ENSG00000197747	S100A10	S100 calcium binding protein A10	6281	3303.917006	-0.37674219	0.606065287	-0.621619812	0.53419189	0.999371363	Not Sig
ENSG00000168807	SNTB2	syntrophin beta 2	6645	1502.283351	-0.376733265	0.41690832	-0.903635755	0.366188576	0.999371363	Not Sig
ENSG00000196172	ZNF681	zinc finger protein 681	148213	137.9030294	-0.376580739	0.794476577	-0.473998541	0.635500947	0.999371363	Not Sig
ENSG00000139890	REM2	RRAD and GEM like GTPase 2	161253	19.4048466	-0.376579126	0.663095609	-0.567910751	0.570095571	0.999371363	Not Sig
ENSG00000203575	NA	NA	NA	2.710742891	-0.376041139	1.961656314	-0.19169573	0.847980551	NA	NA
ENSG00000087338	GMCL1	germ cell-less, spermatogenesis associated 1	64395	699.1075758	-0.37594798	0.595869931	-0.630922891	0.528090943	0.999371363	Not Sig
ENSG00000178764	ZHX2	zinc fingers and homeoboxes 2	22882	1416.920604	-0.375946354	0.562485614	-0.668366168	0.503899886	0.999371363	Not Sig
ENSG00000227632	NA	NA	NA	5.408521431	-0.375901357	1.088943691	-0.345198159	0.729945403	NA	NA

ENSG00000164074	ABHD18	abhydrolase domain containing 18	80167	420.4662017	-0.375675247	0.611261815	-0.614589751	0.538825685	0.999371363	Not Sig
ENSG00000126821	SGPP1	sphingosine-1-phosphate phosphatase 1	81537	844.0432371	-0.375576627	0.541463441	-0.693632476	0.487912722	0.999371363	Not Sig
ENSG00000180953	ST20	suppressor of tumorigenicity 20	400410	47.09705768	-0.375374504	0.760489308	-0.493596031	0.621591504	0.999371363	Not Sig
ENSG00000105609	LILRB5	leukocyte immunoglobulin like receptor B5	10990	288.8604396	-0.3753043	0.837432851	-0.44816047	0.654037389	0.999371363	Not Sig
ENSG00000079950	STX7	syntaxin 7	8417	1959.143352	-0.375303369	0.491922831	-0.76293139	0.445504315	0.999371363	Not Sig
ENSG00000269831	NA	NA	NA	3.823167814	-0.375140982	1.3817542	-0.271496177	0.78600944	NA	NA
ENSG00000169692	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2	10555	1559.185777	-0.375058471	0.57915293	-0.647598331	0.517244777	0.999371363	Not Sig
ENSG00000166278	C2	complement C2	717	961.7709812	-0.374899145	1.073626732	-0.349189466	0.726947074	0.999371363	Not Sig
ENSG00000111196	MAGOHB	mago homolog B, exon junction complex core component	55110	263.5534343	-0.374874888	0.689912624	-0.543365747	0.586878004	0.999371363	Not Sig
ENSG00000143001	TMEM61	transmembrane protein 61	199964	75.04707903	-0.374599728	0.899913615	-0.416261874	0.677218388	0.999371363	Not Sig
ENSG00000163126	ANKRD23	ankyrin repeat domain 23	200539	34.5531575	-0.374543777	0.54935407	-0.681789392	0.495372133	0.999371363	Not Sig
ENSG00000271335	NA	NA	NA	70.30271536	-0.374526349	0.476420073	-0.7861263	0.431793498	0.999371363	Not Sig
ENSG00000197409	HIST1H3D	histone cluster 1 H3 family member d	8351	299.5870729	-0.374211589	0.536730801	-0.697205355	0.485674288	0.999371363	Not Sig
ENSG00000111271	ACAD10	acyl-CoA dehydrogenase family member 10	80724	876.4338993	-0.374035772	0.521967013	-0.716588909	0.47362779	0.999371363	Not Sig
ENSG00000183054	RGPD6	RANBP2-like and GRIP domain containing 6	729540	2.284326922	-0.373938665	1.797433866	-0.208040291	0.835197508	NA	NA
ENSG00000163660	CCNL1	cyclin L1	57018	3901.892464	-0.37388646	0.594851594	-0.628537375	0.52965197	0.999371363	Not Sig
ENSG00000090372	STRN4	striatin 4	29888	1533.026978	-0.373794522	0.574428547	-0.650724139	0.515224578	0.999371363	Not Sig
ENSG00000267160	NA	NA	NA	8.32255909	-0.373560167	1.091042003	-0.342388438	0.732058589	0.999371363	Not Sig
ENSG00000225648	SBDSP1	SBDS, ribosome maturation factor pseudogene 1	155370	444.222208	-0.373267387	0.442135811	-0.844236946	0.398537013	0.999371363	Not Sig
ENSG00000238279	NA	NA	NA	5.21594898	-0.373207989	1.239321143	-0.301139048	0.763308466	NA	NA
ENSG00000036054	TBC1D23	TBC1 domain family member 23	55773	1031.635986	-0.373065592	0.594171978	-0.627874766	0.530085982	0.999371363	Not Sig
ENSG00000119048	UBE2B	ubiquitin conjugating enzyme E2 B	7320	729.2779582	-0.372707117	0.629416321	-0.592147208	0.553752017	0.999371363	Not Sig
ENSG00000185043	CIB1	calcium and integrin binding 1	10519	1955.869928	-0.372684681	0.511492223	-0.72862238	0.466232685	0.999371363	Not Sig
ENSG00000206675	NA	NA	NA	7.953045681	-0.372553134	1.040242516	-0.358140653	0.720238057	0.999371363	Not Sig
ENSG00000136867	SLC31A2	solute carrier family 31 member 2	1318	363.6945861	-0.372459499	0.824164523	-0.451923723	0.651323934	0.999371363	Not Sig
ENSG00000083845	RPS5	ribosomal protein S5	6193	3678.936095	-0.372201829	0.47906375	-0.776935906	0.437196586	0.999371363	Not Sig
ENSG00000105699	LSR	lipolysis stimulated lipoprotein receptor	51599	2731.443418	-0.372161678	0.576242312	-0.645842331	0.51838147	0.999371363	Not Sig
ENSG00000242085	NA	NA	NA	29.36531332	-0.372114085	0.790059275	-0.470995148	0.6376442	0.999371363	Not Sig
ENSG00000142207	URB1	URB1 ribosome biogenesis 1 homolog (S. cerevisiae)	9875	3053.738353	-0.372080826	0.738099067	-0.504106891	0.614186265	0.999371363	Not Sig
ENSG00000231563	NA	NA	NA	36.40059015	-0.372036687	0.696436651	-0.534200328	0.593202942	0.999371363	Not Sig
ENSG00000062370	ZNF112	zinc finger protein 112	7771	130.1745687	-0.371901049	0.551081271	-0.674856992	0.499766627	0.999371363	Not Sig
ENSG00000131931	THAP1	THAP domain containing 1	55145	155.7168546	-0.371847972	0.490633865	-0.757893	0.448515041	0.999371363	Not Sig
ENSG00000270108	NA	NA	NA	75.21236803	-0.371736973	0.614489511	-0.604952511	0.545210551	0.999371363	Not Sig
ENSG00000173473	SMARCC1	SMARCC1 related, matrix associated, actin dependent regulator of chromatin subfamily 1 member 1	6599	3602.311795	-0.371656045	0.610258028	-0.609014594	0.542514765	0.999371363	Not Sig
ENSG00000254402	LRRC24	leucine rich repeat containing 24	441381	111.2132203	-0.371435739	0.78225018	-0.474829855	0.634908251	0.999371363	Not Sig

ENSG00000102804	TSC22D1	TSC22 domain family member 1	8848	3760.637674	-0.371397886	0.473143465	-0.784958293	0.432478022	0.999371363	Not Sig
ENSG00000144230	GPR17	G protein-coupled receptor 17	2840	3.920483559	-0.371210243	1.656323518	-0.224116991	0.822666272	NA	NA
ENSG00000271964	NA	NA	NA	18.3697451	-0.371163222	0.887106253	-0.418397707	0.675656363	0.999371363	Not Sig
ENSG00000150337	FCGR1A	Fc fragment of IgG receptor Ia	2209	218.6781115	-0.37115305	0.835268509	-0.444351781	0.656788269	0.999371363	Not Sig
ENSG00000226243	NA	NA	NA	2.001496221	-0.371022778	1.872968018	-0.198093493	0.842971915	NA	NA
ENSG00000111181	SLC6A12	solute carrier family 6 member 12	6539	57.90849404	-0.370743077	0.906783731	-0.408855016	0.682646063	0.999371363	Not Sig
ENSG00000109670	FBXW7	F-box and WD repeat domain containing 7	55294	1509.0163	-0.370673351	0.48111191	-0.770451413	0.441032166	0.999371363	Not Sig
ENSG00000118473	SGIP1	SH3 domain GRB2 like endophilin interacting protein 1	84251	335.9984676	-0.370650836	0.456526764	-0.811892894	0.416853092	0.999371363	Not Sig
ENSG00000175911	NA	NA	NA	59.59942022	-0.36989674	0.693116659	-0.533671692	0.593568698	0.999371363	Not Sig
ENSG00000203497	NA	NA	NA	18.49014151	-0.369786317	0.743755452	-0.497188043	0.619056453	0.999371363	Not Sig
ENSG00000023228	NDUFS1	NADH:ubiquinone oxidoreductase core subunit S1	4719	2328.381877	-0.369760753	0.480758401	-0.769119691	0.44182226	0.999371363	Not Sig
ENSG00000119778	ATAD2B	ATPase family, AAA domain containing 2B	54454	1488.956938	-0.369559168	0.584472468	-0.632295254	0.527193964	0.999371363	Not Sig
ENSG00000198677	TTC37	tetratricopeptide repeat domain 37	9652	2285.530669	-0.369397476	0.528919731	-0.698399878	0.484927152	0.999371363	Not Sig
ENSG00000201586	NA	NA	NA	11.3629057	-0.36917015	1.080489336	-0.341669407	0.732599698	0.999371363	Not Sig
ENSG00000236466	NA	NA	NA	1.726675176	-0.369103114	2.220774532	-0.166204677	0.867995879	NA	NA
ENSG00000150401	DCUN1D2	defective in cullin neddylation 1 domain containing 2	55208	309.5216729	-0.369029822	0.47654187	-0.774391181	0.438699497	0.999371363	Not Sig
ENSG00000095564	BTAFL1	B-TFL1D TATA-box binding protein associated factor 1	9044	2192.679914	-0.36894623	0.523814403	-0.704345334	0.481217741	0.999371363	Not Sig
ENSG00000180673	NA	NA	NA	1.020982371	-0.368912758	2.59202344	-0.142326166	0.886822379	NA	NA
ENSG00000232633	NA	NA	NA	3.07226832	-0.36888384	1.621395249	-0.227510127	0.820027095	NA	NA
ENSG00000163320	CGGBP1	CGG triplet repeat binding protein 1	8545	1976.294908	-0.368829285	0.546129997	-0.675350717	0.499452969	0.999371363	Not Sig
ENSG00000196368	NUDT11	nudix hydrolase 11	55190	9.330682683	-0.368680389	0.878737373	-0.419556969	0.674809129	0.999371363	Not Sig
ENSG00000234911	NA	NA	NA	8.293808527	-0.368576119	0.88138755	-0.418177133	0.675817613	0.999371363	Not Sig
ENSG00000087088	BAX	BCL2 associated X, apoptosis regulator	581	534.0681307	-0.368273618	0.505825055	-0.728065195	0.466573678	0.999371363	Not Sig
ENSG00000205485	LOC100133091	uncharacterized LOC100133091	100133091	321.1142517	-0.368233745	0.514366914	-0.715897029	0.474054933	0.999371363	Not Sig
ENSG00000120889	TNFRSF10B	TNF receptor superfamily member 10b	8795	1447.714391	-0.368171171	0.487081937	-0.755871123	0.449726469	0.999371363	Not Sig
ENSG00000260669	NA	NA	NA	22.96859892	-0.367989522	0.700078976	-0.525640013	0.59913835	0.999371363	Not Sig
ENSG00000265684	NA	NA	NA	7.572346083	-0.367974393	1.22464909	-0.300473332	0.763816135	0.999371363	Not Sig
ENSG00000141012	GALNS	galactosamine (N-acetyl)-6-sulfatase	2588	624.2771715	-0.367922278	0.60826321	-0.604874295	0.545262524	0.999371363	Not Sig
ENSG00000263325	NA	NA	NA	14.03314749	-0.367917628	1.013996285	-0.362839227	0.716724987	0.999371363	Not Sig
ENSG00000171055	FEZ2	fasciculation and elongation protein zeta 2	9637	1075.845656	-0.367884204	0.495040607	-0.74313945	0.457397258	0.999371363	Not Sig
ENSG00000252685	NA	NA	NA	3.670084534	-0.367857513	1.61835501	-0.227303349	0.820187869	NA	NA
ENSG00000100100	PIK3IP1	phosphoinositide-3-kinase interacting protein 1	113791	1486.242259	-0.367826027	0.629781835	-0.584053091	0.559184593	0.999371363	Not Sig
ENSG00000225408	NA	NA	NA	1.435851392	-0.367769556	2.316600957	-0.158753951	0.87386273	NA	NA
ENSG00000221485	NA	NA	NA	29.78869179	-0.367752549	1.438816549	-0.255593772	0.798264528	0.999371363	Not Sig
ENSG00000171109	MFN1	mitofusin 1	55669	1271.06223	-0.367607984	0.556478094	-0.660597404	0.508870534	0.999371363	Not Sig

ENSG00000267317	NA	NA	NA	67.83656011	-0.367513212	0.590708218	-0.622156931	0.533838683	0.999371363	Not Sig
ENSG00000223345	NA	NA	NA	55.20437425	-0.367493358	0.749676486	-0.490202594	0.623990546	0.999371363	Not Sig
ENSG00000139218	SCAF11	SR-related CTD associated factor 11	9169	4231.148629	-0.367313004	0.49120769	-0.747775354	0.454595671	0.999371363	Not Sig
ENSG00000084676	NCOA1	nuclear receptor coactivator 1	8648	1938.99428	-0.367228302	0.454554045	-0.807886996	0.419155638	0.999371363	Not Sig
ENSG00000225721	NA	NA	NA	10.05409968	-0.367163284	0.852059166	-0.430912898	0.666531705	0.999371363	Not Sig
ENSG00000259298	NA	NA	NA	3.699006107	-0.367129029	1.753772373	-0.209336761	0.834185356	NA	NA
ENSG00000261052	SULT1A3	sulfotransferase family 1A member 3	6818	11.25425857	-0.367077062	1.072929507	-0.342125983	0.732256084	0.999371363	Not Sig
ENSG00000261052	LOC105369243	sulfotransferase 1A3	105369243	11.25425857	-0.367077062	1.072929507	-0.342125983	0.732256084	0.999371363	Not Sig
ENSG00000164031	DNAJB14	DnaJ heat shock protein family (Hsp40) member B14	79982	1467.293385	-0.366926472	0.604038792	-0.607455145	0.543548902	0.999371363	Not Sig
ENSG00000262803	NA	NA	NA	23.79447422	-0.366908207	0.704822557	-0.520568196	0.60266761	0.999371363	Not Sig
ENSG00000267370	NA	NA	NA	28.03166876	-0.366710386	0.837268604	-0.43798416	0.661397766	0.999371363	Not Sig
ENSG00000233766	NA	NA	NA	47.8380583	-0.366632196	0.812163663	-0.451426496	0.651682191	0.999371363	Not Sig
ENSG00000160953	MUM1	melanoma associated antigen (mutated) 1	84939	989.5907914	-0.366564225	0.649338823	-0.564519188	0.572400846	0.999371363	Not Sig
ENSG00000188167	TMPPE	transmembrane protein with metallophosphoesterase domain	643853	442.5190098	-0.366517132	0.444810219	-0.823985412	0.409947847	0.999371363	Not Sig
ENSG00000112701	SENP6	SUMO1/sentrin specific peptidase 6	26054	3077.589788	-0.366418204	0.518559847	-0.70660736	0.479810514	0.999371363	Not Sig
ENSG00000165874	FAM35BP	family with sequence similarity 35, member A pseudogene	414241	0.998238044	-0.366349143	3.040265283	-0.120499071	0.904087815	NA	NA
ENSG00000269094	NA	NA	NA	0.998238044	-0.366349143	3.040265283	-0.120499071	0.904087815	NA	NA
ENSG00000196628	TCF4	transcription factor 4	6925	2985.255901	-0.366264716	0.578486018	-0.633143594	0.526639876	0.999371363	Not Sig
ENSG00000107036	RIC1	RIC1 homolog, RAB6A GEF complex partner 1	57589	1215.726537	-0.366256502	0.499509255	-0.733232664	0.463416536	0.999371363	Not Sig
ENSG00000252295	NA	NA	NA	10.63781101	-0.36618164	1.289172076	-0.284044036	0.776376634	0.999371363	Not Sig
ENSG00000197037	ZSCAN25	zinc finger and SCAN domain containing 25	221785	570.2739271	-0.365987263	0.453802648	-0.806489923	0.419960416	0.999371363	Not Sig
ENSG00000227449	FGF7P6	fibroblast growth factor 7 pseudogene 6	387628	6.8416164	-0.365980883	1.189337127	-0.307718371	0.75829664	0.999371363	Not Sig
ENSG00000248098	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide	593	16.4210988	-0.365941075	0.729200043	-0.501839075	0.615780724	0.999371363	Not Sig
ENSG00000185432	METTL7A	methyltransferase like 7A	25840	1935.673592	-0.365876356	0.915527736	-0.399634377	0.689425833	0.999371363	Not Sig
ENSG00000211769	NA	NA	NA	2.987003014	-0.365770033	1.442922714	-0.253492464	0.799887684	NA	NA
ENSG00000133961	NUMB	NUMB, endocytic adaptor protein	8650	2750.134099	-0.365752355	0.390244518	-0.937238932	0.348635668	0.999371363	Not Sig
ENSG00000133961	LOC101928143	uncharacterized LOC101928143	101928143	2750.134099	-0.365752355	0.390244518	-0.937238932	0.348635668	0.999371363	Not Sig
ENSG00000239183	SNORA84	small nucleolar RNA, H/ACA box 84	100124534	3.687979738	-0.365743442	1.250743258	-0.292420878	0.769964847	NA	NA
ENSG00000248394	NA	NA	NA	20.52534328	-0.365572653	0.734721106	-0.497566559	0.618789579	0.999371363	Not Sig
ENSG00000258484	SPESP1	sperm equatorial segment protein 1	246777	6.250963535	-0.365471345	1.099647777	-0.332353097	0.73962265	NA	NA
ENSG00000105829	BET1	Bet1 golgi vesicular membrane trafficking protein	10282	447.4548182	-0.365199675	0.651371895	-0.560662316	0.575027762	0.999371363	Not Sig
ENSG00000266758	MIR3680-2	microRNA 3680-2	100847041	3.352082307	-0.364795627	1.381682329	-0.264022792	0.791762356	NA	NA
ENSG00000152457	DCLRE1C	DNA cross-link repair 1C	64421	380.3622021	-0.364471267	0.421614323	-0.864466046	0.387331925	0.999371363	Not Sig
ENSG00000104972	LILRB1	leukocyte immunoglobulin like receptor B1	10859	374.2716162	-0.364312602	0.814970509	-0.447025504	0.654856646	0.999371363	Not Sig
ENSG00000224464	NA	NA	NA	29.98664302	-0.364293464	0.781879137	-0.46592043	0.641272457	0.999371363	Not Sig

ENSG00000089041	P2RX7	purinergic receptor P2X 7	5027	265.5487856	-0.363980708	0.870729042	-0.418018339	0.675933709	0.999371363	Not Sig
ENSG00000207175	NA	NA	NA	8.418114055	-0.363829536	0.933275969	-0.389841321	0.696653887	0.999371363	Not Sig
ENSG00000227704	NA	NA	NA	14.39730788	-0.363734848	1.006168482	-0.361504911	0.717722034	0.999371363	Not Sig
ENSG00000143797	MBOAT2	membrane bound O-acyltransferase domain containing 2	129642	1085.958759	-0.363733977	0.505292141	-0.71984887	0.471618052	0.999371363	Not Sig
ENSG00000174529	TMEM81	transmembrane protein 81	388730	51.63563313	-0.363377106	0.586030422	-0.620065261	0.535214822	0.999371363	Not Sig
ENSG00000227543	NA	NA	NA	13.93019057	-0.363277819	0.889345575	-0.408477682	0.682923012	0.999371363	Not Sig
ENSG00000151466	SCLT1	sodium channel and clathrin linker 1	132320	421.1830639	-0.363219816	0.495570199	-0.732933127	0.463599217	0.999371363	Not Sig
ENSG00000265010	NA	NA	NA	6.564116638	-0.363013255	0.993579553	-0.365359024	0.714843424	NA	NA
ENSG00000219507	NA	NA	NA	22.63970836	-0.362848455	0.866590444	-0.418708119	0.675429461	0.999371363	Not Sig
ENSG00000229344	NA	NA	NA	74.931788	-0.362803652	0.770191618	-0.47105635	0.637600495	0.999371363	Not Sig
ENSG00000092929	UNC13D	unc-13 homolog D	201294	1825.82169	-0.362657908	0.753335613	-0.481402846	0.630230214	0.999371363	Not Sig
ENSG00000142541	RPL13A	ribosomal protein L13a	23521	14435.59904	-0.362616995	0.462340858	-0.784306619	0.432860217	0.999371363	Not Sig
ENSG00000163352	LENEP	lens epithelial protein	55891	3.828006039	-0.362575725	1.631851537	-0.22218671	0.824168539	NA	NA
ENSG00000100934	SEC23A	Sec23 homolog A, coat complex II component	10484	1591.006454	-0.36248354	0.562655537	-0.644237045	0.519421732	0.999371363	Not Sig
ENSG00000272678	NA	NA	NA	1.749004496	-0.362437305	1.727629157	-0.209788833	0.833832489	NA	NA
ENSG00000170458	CD14	CD14 molecule	929	1747.505578	-0.362417347	0.82849482	-0.437440691	0.661791779	0.999371363	Not Sig
ENSG00000174886	NDUFA11	NADH:ubiquinone oxidoreductase subunit A11	126328	249.3652014	-0.362323231	0.640628587	-0.565574559	0.571683027	0.999371363	Not Sig
ENSG00000144840	RABL3	RAB, member of RAS oncogene family like 3	285282	468.1216639	-0.362246444	0.617754142	-0.586392578	0.557611731	0.999371363	Not Sig
ENSG00000265623	MIR3139	microRNA 3139	100423017	13.27687262	-0.362186595	0.774312754	-0.46775233	0.639961714	0.999371363	Not Sig
ENSG00000267561	NA	NA	NA	3.120331489	-0.362012251	1.728718279	-0.209410784	0.834127575	NA	NA
ENSG00000135976	ANKRD36	ankyrin repeat domain 36	375248	1393.566877	-0.361991266	0.594764239	-0.608629844	0.542769818	0.999371363	Not Sig
ENSG00000121481	RNF2	ring finger protein 2	6045	444.5575321	-0.361846691	0.663054798	-0.545726675	0.585253833	0.999371363	Not Sig
ENSG00000238523	NA	NA	NA	3.091149627	-0.361823792	1.727149243	-0.209491909	0.834064251	NA	NA
ENSG00000215297	NA	NA	NA	4.592682531	-0.361763068	1.262852135	-0.286465104	0.774521917	NA	NA
ENSG00000207008	SNORA54	small nucleolar RNA, H/ACA box 54	677833	20.28569944	-0.361687023	0.816082792	-0.443198933	0.657621851	0.999371363	Not Sig
ENSG00000130244	FAM98C	family with sequence similarity 98 member C	147965	258.2675239	-0.361642449	0.637304483	-0.567456309	0.570404202	0.999371363	Not Sig
ENSG00000135870	RC3H1	ring finger and CCCH-type domains 1	149041	2675.748266	-0.361614357	0.549626657	-0.657927254	0.510584877	0.999371363	Not Sig
ENSG00000136770	DNAJC1	DnaJ heat shock protein family (Hsp40) member C1	64215	865.0509781	-0.361531077	0.424524808	-0.851613544	0.39442862	0.999371363	Not Sig
ENSG00000246273	SBF2-AS1	SBF2 antisense RNA 1	283104	141.0755241	-0.361456621	0.74905496	-0.4825502	0.629415146	0.999371363	Not Sig
ENSG00000196369	SRGAP2B	SLIT-ROBO Rho GTPase activating protein 2B	647135	343.4576735	-0.361322833	0.550662738	-0.656159947	0.511172127	0.999371363	Not Sig
ENSG00000144644	GADL1	glutamate decarboxylase like 1	339896	6.671112979	-0.361168476	1.285552433	-0.280944181	0.778753213	0.999371363	Not Sig
ENSG00000240914	NA	NA	NA	5.932098428	-0.361041768	1.053166395	-0.342815503	0.731737262	NA	NA
ENSG00000164715	LMTK2	lemur tyrosine kinase 2	22853	2647.059339	-0.36100294	0.500382635	-0.721453773	0.470630373	0.999371363	Not Sig
ENSG00000225465	NA	NA	NA	6.414050071	-0.360855158	1.109738782	-0.32517126	0.745051459	NA	NA
ENSG00000187987	ZSCAN23	zinc finger and SCAN domain containing 23	222696	98.40670897	-0.360804407	0.609997378	-0.591485177	0.554195384	0.999371363	Not Sig

ENSG00000165097	KDM1B	lysine demethylase 1B	221656	855.8979542	-0.360681522	0.461751074	-0.781116802	0.434733801	0.999371363	Not Sig
ENSG00000199436	SNORD9	small nucleolar RNA, C/D box 9	692053	6.771396571	-0.360679716	1.21600034	-0.296611526	0.76676311	0.999371363	Not Sig
ENSG00000231995	NA	NA	NA	3.046811332	-0.360616268	2.003958312	-0.179951981	0.857190267	NA	NA
ENSG00000139370	SLC15A4	solute carrier family 15 member 4	121260	592.2347395	-0.360550626	0.453930794	-0.794285454	0.42702927	0.999371363	Not Sig
ENSG00000268965	NA	NA	NA	19.72179111	-0.360432345	0.930280741	-0.387444703	0.698427015	0.999371363	Not Sig
ENSG00000148337	CIZ1	CDKN1A interacting zinc finger protein 1	25792	1414.191619	-0.360055875	0.464180509	-0.775680729	0.437937521	0.999371363	Not Sig
ENSG00000136636	KCTD3	potassium channel tetramerization domain containing 3	51133	1282.526493	-0.359832771	0.444626478	-0.809292267	0.418347053	0.999371363	Not Sig
ENSG00000163162	RNF149	ring finger protein 149	284996	1842.63447	-0.359707805	0.507584187	-0.708666296	0.478531585	0.999371363	Not Sig
ENSG00000173531	MST1	macrophage stimulating 1	4485	124.943486	-0.359353663	0.474986225	-0.756555967	0.44931593	0.999371363	Not Sig
ENSG00000111145	ELK3	ELK3, ETS transcription factor	2004	1851.998964	-0.359318792	0.514385357	-0.698540088	0.484839496	0.999371363	Not Sig
ENSG00000261777	LOC100506083	uncharacterized LOC100506083	100506083	10.81812364	-0.359315501	0.955069967	-0.376219034	0.706754066	0.999371363	Not Sig
ENSG00000112893	MAN2A1	mannosidase alpha class 2A member 1	4124	2215.2684	-0.359290966	0.555753401	-0.646493509	0.5179598	0.999371363	Not Sig
ENSG00000164346	NSA2	NSA2, ribosome biogenesis homolog	10412	711.7020201	-0.359274097	0.623453856	-0.576264135	0.564436661	0.999371363	Not Sig
ENSG00000173926	3-Mar	membrane associated ring-CH-type finger 3	115123	130.4596278	-0.359259335	0.557292525	-0.644651272	0.519153201	0.999371363	Not Sig
ENSG00000083457	ITGAE	integrin subunit alpha E	3682	287.1462919	-0.359216174	0.467230153	-0.768820615	0.441999809	0.999371363	Not Sig
ENSG00000270175	NA	NA	NA	22.54613003	-0.359036006	0.651631758	-0.550979909	0.581647448	0.999371363	Not Sig
ENSG00000132964	CDK8	cyclin dependent kinase 8	1024	415.1307341	-0.358936194	0.454176315	-0.790301437	0.429351748	0.999371363	Not Sig
ENSG00000234337	NA	NA	NA	2.511057606	-0.358850954	1.441696639	-0.248908782	0.803431342	NA	NA
ENSG00000160813	PPP1R35	protein phosphatase 1 regulatory subunit 35	221908	359.9786655	-0.358800696	0.575571034	-0.623382128	0.533033439	0.999371363	Not Sig
ENSG00000182150	ERCC6L2	ERCC excision repair 6 like 2	375748	1252.188014	-0.358621434	0.452252478	-0.792967316	0.427796866	0.999371363	Not Sig
ENSG00000231185	SPRY4-AS1	SPRY4 antisense RNA 1	101926941	50.7519608	-0.358567164	0.771094568	-0.465010621	0.641923851	0.999371363	Not Sig
ENSG00000077809	NA	NA	NA	4240.963525	-0.358376422	0.498306655	-0.719188513	0.472024776	0.999371363	Not Sig
ENSG00000136492	BRIP1	BRCA1 interacting protein C-terminal helicase 1	83990	184.7547982	-0.358209027	1.093336317	-0.327629313	0.743191955	0.999371363	Not Sig
ENSG00000101695	RNF125	ring finger protein 125	54941	240.6919906	-0.358169754	0.662505443	-0.540629149	0.588763222	0.999371363	Not Sig
ENSG00000162244	RPL29	ribosomal protein L29	6159	4418.1563	-0.358160031	0.46903946	-0.763603196	0.445103744	0.999371363	Not Sig
ENSG00000115084	SLC35F5	solute carrier family 35 member F5	80255	2953.822675	-0.357963736	0.644620319	-0.555309421	0.578683036	0.999371363	Not Sig
ENSG00000253582	LOC105375700	uncharacterized LOC105375700	105375700	13.22741067	-0.357865888	1.044284991	-0.34268987	0.731831784	0.999371363	Not Sig
ENSG00000187609	EXD3	exonuclease 3'-5' domain containing 3	54932	489.5183441	-0.357762926	0.597614272	-0.59865191	0.549405032	0.999371363	Not Sig
ENSG00000228661	LOC105376527	uncharacterized LOC105376527	105376527	1.719822633	-0.357385157	2.28266233	-0.156565057	0.875587644	NA	NA
ENSG00000122026	RPL21	ribosomal protein L21	6144	4788.95873	-0.357358714	0.60016828	-0.595430859	0.551555503	0.999371363	Not Sig
ENSG00000126461	SCAF1	SR-related CTD associated factor 1	58506	2311.593116	-0.357171276	0.603771629	-0.591566842	0.554140683	0.999371363	Not Sig
ENSG00000255409	NA	NA	NA	9.499470324	-0.357164799	1.062701709	-0.3360913	0.736802019	0.999371363	Not Sig
ENSG00000185596	NA	NA	NA	624.6297371	-0.357093212	0.490934356	-0.727374664	0.466996471	0.999371363	Not Sig
ENSG00000197961	ZNF121	zinc finger protein 121	7675	815.0465136	-0.357031424	0.561554224	-0.635791538	0.524912304	0.999371363	Not Sig
ENSG00000151151	IPMK	inositol polyphosphate multikinase	253430	444.7880681	-0.356916636	0.634478107	-0.562535779	0.573751034	0.999371363	Not Sig

ENSG00000265584	MIR3978	microRNA 3978	100616491	4.38593975	-0.356763975	1.285944766	-0.277433358	0.78144737	NA	NA
ENSG00000101146	RAE1	ribonucleic acid export 1	8480	436.744829	-0.356733177	0.44630381	-0.799305693	0.424113179	0.999371363	Not Sig
ENSG00000172932	ANKRD13D	ankyrin repeat domain 13D	338692	923.3520488	-0.356504934	0.550142785	-0.648022557	0.516970361	0.999371363	Not Sig
ENSG00000163645	ERICH6	glutamate rich 6	131831	6.320775109	-0.356433813	1.046128987	-0.340716888	0.733316724	NA	NA
ENSG00000139620	KANSL2	KAT8 regulatory NSL complex subunit 2	54934	480.4289791	-0.356303011	0.402789694	-0.884588202	0.376378772	0.999371363	Not Sig
ENSG00000122122	SASH3	SAM and SH3 domain containing 3	54440	707.2061214	-0.356065728	0.869838622	-0.409346882	0.682285115	0.999371363	Not Sig
ENSG00000101413	RPRD1B	regulation of nuclear pre-mRNA domain containing 1B	58490	963.5689427	-0.355961038	0.429826473	-0.82815057	0.407585233	0.999371363	Not Sig
ENSG00000177738	LOC648987	uncharacterized LOC648987	648987	100.9296979	-0.355231365	0.659583017	-0.538569605	0.590183865	0.999371363	Not Sig
ENSG00000259049	NA	NA	NA	25.31009022	-0.354886609	0.639295973	-0.555120983	0.578811912	0.999371363	Not Sig
ENSG00000102265	TIMP1	TIMP metalloproteinase inhibitor 1	7076	4158.041789	-0.354499329	0.723732325	-0.489821053	0.624260532	0.999371363	Not Sig
ENSG00000107164	FUBP3	far upstream element binding protein 3	8939	1269.170244	-0.354439896	0.435230907	-0.814372073	0.415431832	0.999371363	Not Sig
ENSG00000213904	LIPE-AS1	LIPE antisense RNA 1	100996307	32.86953886	-0.35418221	0.608887366	-0.581687566	0.560777148	0.999371363	Not Sig
ENSG00000213904	LOC101930071	uncharacterized LOC101930071	101930071	32.86953886	-0.35418221	0.608887366	-0.581687566	0.560777148	0.999371363	Not Sig
ENSG00000263264	NA	NA	NA	52.10841368	-0.35416286	0.982182366	-0.360587679	0.718407701	0.999371363	Not Sig
ENSG00000219200	RNASEK	ribonuclease K	440400	67.13548099	-0.35415543	0.566225673	-0.625466924	0.53166465	0.999371363	Not Sig
ENSG00000101473	ACOT8	acyl-CoA thioesterase 8	10005	328.1845171	-0.354083645	0.541753748	-0.653587808	0.513377401	0.999371363	Not Sig
ENSG00000140181	NA	NA	NA	1775.193233	-0.35406762	0.582024264	-0.608338246	0.54296316	0.999371363	Not Sig
ENSG00000108061	SHOC2	SHOC2, leucine rich repeat scaffold protein	8036	1251.783485	-0.35393541	0.514223746	-0.688290677	0.491269751	0.999371363	Not Sig
ENSG00000172775	FAM192A	family with sequence similarity 192 member A	80011	1240.62356	-0.353929425	0.440796822	-0.802930982	0.422014628	0.999371363	Not Sig
ENSG00000122965	RBM19	RNA binding motif protein 19	9904	1112.958551	-0.353886614	0.458790847	-0.771346282	0.440501706	0.999371363	Not Sig
ENSG00000154548	SRSF12	serine and arginine rich splicing factor 12	135295	31.63141097	-0.35388447	1.258611574	-0.281170519	0.778579615	0.999371363	Not Sig
ENSG00000154229	PRKCA	protein kinase C alpha	5578	1276.818863	-0.353653155	0.552031477	-0.640639474	0.521756947	0.999371363	Not Sig
ENSG00000083896	YTHDC1	YTH domain containing 1	91746	2320.489251	-0.353479424	0.433142792	-0.816080588	0.414454046	0.999371363	Not Sig
ENSG00000137876	RSL24D1	ribosomal L24 domain containing 1	51187	979.8054152	-0.353321316	0.537420739	-0.65743893	0.510898726	0.999371363	Not Sig
ENSG00000183801	OLFML1	olfactomedin like 1	283298	249.0828053	-0.353280316	0.86979934	-0.406163008	0.684622832	0.999371363	Not Sig
ENSG00000169203	NA	NA	NA	72.66532154	-0.353263591	0.65207872	-0.541749915	0.587990799	0.999371363	Not Sig
ENSG00000229955	NA	NA	NA	40.06127281	-0.353173754	0.773162133	-0.456791323	0.647821043	0.999371363	Not Sig
ENSG00000237836	NA	NA	NA	22.99777693	-0.352947572	0.715346174	-0.493394087	0.62173416	0.999371363	Not Sig
ENSG00000198478	SH3BGR12	SH3 domain binding glutamate rich protein like 2	83699	2181.615499	-0.352775175	0.642500642	-0.549065872	0.582960245	0.999371363	Not Sig
ENSG00000188315	C3orf62	chromosome 3 open reading frame 62	375341	225.0438068	-0.352758049	0.480073224	-0.734800507	0.462460998	0.999371363	Not Sig
ENSG00000224020	MIR181A2HG	MIR181A2 host gene	100379345	18.95528951	-0.352751727	0.792755729	-0.444969003	0.656342155	0.999371363	Not Sig
ENSG00000251805	NA	NA	NA	8.902181443	-0.352589153	1.259602314	-0.279921011	0.779538107	0.999371363	Not Sig
ENSG00000178467	P4HTM	prolyl 4-hydroxylase, transmembrane	54681	1153.363526	-0.352490064	0.435693631	-0.809031941	0.418496774	0.999371363	Not Sig
ENSG00000073050	XRCC1	X-ray repair cross complementing 1	7515	434.4829512	-0.35248642	0.460511926	-0.765423001	0.444019701	0.999371363	Not Sig
ENSG00000105373	NOP53	NOP53 ribosome biogenesis factor	29997	3592.176523	-0.352349129	0.525605036	-0.670368631	0.502622826	0.999371363	Not Sig

ENSG00000181016	LSMEM1	leucine rich single-pass membrane protein 1	286006	40.82641623	-0.352335289	0.630902795	-0.558462083	0.576528889	0.999371363	Not Sig
ENSG00000010256	UQCRC1	ubiquinol-cytochrome c reductase core protein 1	7384	1756.357626	-0.352291136	0.462803328	-0.761211328	0.446530853	0.999371363	Not Sig
ENSG00000141446	ESCO1	establishment of sister chromatid cohesion N-acetyltransferase 1	114799	849.4413572	-0.352259424	0.612131519	-0.575463627	0.564977783	0.999371363	Not Sig
ENSG00000240366	NA	NA	NA	1.027419907	-0.352213448	2.58957145	-0.136012253	0.891811594	NA	NA
ENSG00000089053	ANAPC5	anaphase promoting complex subunit 5	51433	2037.114856	-0.352203138	0.414884808	-0.848917894	0.395926981	0.999371363	Not Sig
ENSG00000162601	MYSM1	Myb like, SWIRM and MPN domains 1	114803	1784.322872	-0.351841151	0.687293147	-0.511922973	0.60870492	0.999371363	Not Sig
ENSG00000204428	LY6G5C	lymphocyte antigen 6 family member G5C	80741	43.07248954	-0.35158886	0.733328511	-0.479442508	0.631623859	0.999371363	Not Sig
ENSG00000269210	LOC375196	uncharacterized LOC375196	375196	3.062399064	-0.351480017	1.634932605	-0.214981349	0.82978186	NA	NA
ENSG00000260398	NA	NA	NA	12.96131187	-0.351418725	0.822174919	-0.427425742	0.669069261	0.999371363	Not Sig
ENSG00000164402	8-Sep	septin 8	23176	1094.118931	-0.351328622	0.414580525	-0.847431561	0.396754619	0.999371363	Not Sig
ENSG00000173801	JUP	junction plakoglobin	3728	5244.906597	-0.351256741	0.531512323	-0.660862835	0.508700282	0.999371363	Not Sig
ENSG00000189362	NEMP2	nuclear envelope integral membrane protein 2	100131211	267.7099483	-0.351172912	0.563943451	-0.622709443	0.533475476	0.999371363	Not Sig
ENSG00000126337	KRT36	keratin 36	8689	0.662340613	-0.350961244	3.445114246	-0.101872164	0.918858145	NA	NA
ENSG00000202293	SNORD114-22	small nucleolar RNA, C/D box 114-22	767600	0.662340613	-0.350961244	3.445114246	-0.101872164	0.918858145	NA	NA
ENSG00000265262	NA	NA	NA	0.662340613	-0.350961244	3.445114246	-0.101872164	0.918858145	NA	NA
ENSG00000273267	NA	NA	NA	0.662340613	-0.350961244	3.445114246	-0.101872164	0.918858145	NA	NA
ENSG00000250138	NA	NA	NA	75.99114796	-0.350736453	0.621289753	-0.564529596	0.572393764	0.999371363	Not Sig
ENSG00000156500	FAM122C	family with sequence similarity 122C	159091	161.2364112	-0.350636406	0.548744056	-0.638979872	0.522836026	0.999371363	Not Sig
ENSG00000224471	NA	NA	NA	4.169776663	-0.350551987	1.617020094	-0.216788887	0.828372873	NA	NA
ENSG00000104883	PEX11G	peroxisomal biogenesis factor 11 gamma	92960	89.24260025	-0.350543765	0.601759932	-0.582530917	0.560209123	0.999371363	Not Sig
ENSG00000265702	LOC105371855	uncharacterized LOC105371855	105371855	2.335534052	-0.350539552	1.661581648	-0.210967395	0.832912714	NA	NA
ENSG00000259515	NA	NA	NA	1.369754873	-0.350446538	2.410397398	-0.145389527	0.884403333	NA	NA
ENSG00000206756	NA	NA	NA	6.464222233	-0.350418045	1.360914413	-0.257487202	0.796802693	NA	NA
ENSG00000110801	PSMD9	proteasome 26S subunit, non-ATPase 9	5715	126.788693	-0.350358104	0.530406132	-0.660546857	0.508902959	0.999371363	Not Sig
ENSG00000253978	CTB-178M22.2	uncharacterized LOC101927862	101927862	3.433915893	-0.350081399	1.462582756	-0.239358353	0.810827721	NA	NA
ENSG00000234614	NA	NA	NA	134.495843	-0.349934577	0.690900806	-0.506490329	0.612512477	0.999371363	Not Sig
ENSG00000124635	HIST1H2BJ	histone cluster 1 H2B family member j	8970	275.8575363	-0.349884002	0.783611895	-0.446501647	0.655234923	0.999371363	Not Sig
ENSG00000095787	WAC	WW domain containing adaptor with coiled-coil	51322	3582.191173	-0.349828561	0.431102057	-0.811475045	0.417092918	0.999371363	Not Sig
ENSG00000143198	MGST3	microsomal glutathione S-transferase 3	4259	811.0600622	-0.349822539	0.431394016	-0.810911895	0.417416269	0.999371363	Not Sig
ENSG00000170624	SGCD	sarcoglycan delta	6444	387.7476416	-0.349764657	0.614065165	-0.569588826	0.568956609	0.999371363	Not Sig
ENSG00000177125	ZBTB34	zinc finger and BTB domain containing 34	403341	668.9501215	-0.349677017	0.432320246	-0.80883794	0.41860837	0.999371363	Not Sig
ENSG00000163932	PRKCD	protein kinase C delta	5580	1759.589692	-0.349484156	0.498231813	-0.701448898	0.483022915	0.999371363	Not Sig
ENSG00000185532	PRKG1	protein kinase, cGMP-dependent, type I	5592	568.9487238	-0.349241295	0.540989838	-0.645559806	0.518564475	0.999371363	Not Sig
ENSG00000237819	LOC101927497	uncharacterized LOC101927497	101927497	1.832410202	-0.349122827	1.891601908	-0.184564641	0.853570522	NA	NA
ENSG00000103091	WDR59	WD repeat domain 59	79726	946.6935471	-0.349109361	0.423700342	-0.823953456	0.409966005	0.999371363	Not Sig

ENSG00000070961	ATP2B1	ATPase plasma membrane Ca ²⁺ transporting 1	490	2156.651352	-0.348821865	0.581574654	-0.59978863	0.548647111	0.999371363	Not Sig
ENSG00000152217	SETBP1	SET binding protein 1	26040	1086.532412	-0.348550935	0.699852899	-0.498034566	0.618459679	0.999371363	Not Sig
ENSG00000197782	ZNF780A	zinc finger protein 780A	284323	560.8589679	-0.348431561	0.468357558	-0.743943501	0.456910657	0.999371363	Not Sig
ENSG00000265291	MIR4710	microRNA 4710	100616300	1.496512771	-0.348225273	2.021999069	-0.172218315	0.8632659	NA	NA
ENSG00000177051	FBXO46	F-box protein 46	23403	505.0170806	-0.348221121	0.503877399	-0.691083033	0.489513362	0.999371363	Not Sig
ENSG00000139117	CPNE8	copine 8	144402	676.5120817	-0.348154635	0.606945291	-0.573617821	0.566226449	0.999371363	Not Sig
ENSG00000100281	HMGXB4	HMG-box containing 4	10042	763.5651877	-0.347724159	0.556131336	-0.625255468	0.531803402	0.999371363	Not Sig
ENSG00000119969	HELLS	helicase, lymphoid specific	3070	579.711045	-0.34757682	1.024690942	-0.339201612	0.734457855	0.999371363	Not Sig
ENSG00000126456	IRF3	interferon regulatory factor 3	3661	1056.541988	-0.347523553	0.442743626	-0.784931804	0.432493554	0.999371363	Not Sig
ENSG00000126214	KLC1	kinesin light chain 1	3831	1580.959238	-0.347484118	0.452571913	-0.76779868	0.442606799	0.999371363	Not Sig
ENSG00000234358	NA	NA	NA	49.5236473	-0.347357376	0.566678343	-0.612970974	0.539895532	0.999371363	Not Sig
ENSG00000239961	LILRA4	leukocyte immunoglobulin like receptor A4	23547	16.5827286	-0.347334494	1.3160218	-0.263927614	0.791835697	0.999371363	Not Sig
ENSG00000093100	NA	NA	NA	13.13747815	-0.347061618	0.815031399	-0.42582607	0.670234589	0.999371363	Not Sig
ENSG00000171103	TRMT61B	tRNA methyltransferase 61B	55006	247.148776	-0.346909789	0.489647832	-0.708488359	0.478642039	0.999371363	Not Sig
ENSG00000207280	SNORD20	small nucleolar RNA, C/D box 20	6082	13.26569721	-0.34667385	0.840954864	-0.412238355	0.680164727	0.999371363	Not Sig
ENSG00000176623	RMDN1	regulator of microtubule dynamics 1	51115	673.7874764	-0.346665659	0.449581883	-0.771084585	0.440656797	0.999371363	Not Sig
ENSG00000240823	NA	NA	NA	9.532947877	-0.346661052	1.053460862	-0.329068753	0.742103722	0.999371363	Not Sig
ENSG00000089057	SLC23A2	solute carrier family 23 member 2	9962	1252.888941	-0.346642303	0.41207728	-0.841207025	0.400231965	0.999371363	Not Sig
ENSG00000203483	NA	NA	NA	4.637712415	-0.346504753	1.125285609	-0.30792605	0.758138603	NA	NA
ENSG00000123352	SPATS2	spermatogenesis associated serine rich 2	65244	601.454231	-0.346433614	0.659681343	-0.525152966	0.599476858	0.999371363	Not Sig
ENSG00000184992	BRI3BP	BRI3 binding protein	140707	819.3579309	-0.346375298	0.622682605	-0.556263006	0.578031073	0.999371363	Not Sig
ENSG00000233012	NA	NA	NA	35.40354127	-0.346293598	0.889275428	-0.38941096	0.696972166	0.999371363	Not Sig
ENSG00000186648	CARMIL3	capping protein regulator and myosin 1 linker 3	90668	39.93900277	-0.34601748	0.849041385	-0.407539003	0.683612154	0.999371363	Not Sig
ENSG00000256019	NA	NA	NA	21.99312063	-0.345835918	0.977509988	-0.35379272	0.72349423	0.999371363	Not Sig
ENSG00000121931	LRIF1	ligand dependent nuclear receptor interacting factor 1	55791	393.3191716	-0.345685345	0.666203047	-0.518888869	0.60383824	0.999371363	Not Sig
ENSG00000078699	CBFA2T2	CBFA2/RUNX1 translocation partner 2	9139	1071.986534	-0.345487748	0.408400682	-0.845952915	0.397579011	0.999371363	Not Sig
ENSG00000104517	UBR5	ubiquitin protein ligase E3 component n-recogin 5	51366	5449.849927	-0.345476198	0.49719045	-0.694856866	0.487145007	0.999371363	Not Sig
ENSG00000201579	NA	NA	NA	7.522584503	-0.345471295	1.03803256	-0.332813544	0.739275034	0.999371363	Not Sig
ENSG00000152433	ZNF547	zinc finger protein 547	284306	51.06452653	-0.345256999	0.502755158	-0.6867299	0.492252951	0.999371363	Not Sig
ENSG00000184348	NA	NA	NA	151.9662271	-0.345135517	0.662718104	-0.520787821	0.602514588	0.999371363	Not Sig
ENSG00000176920	FUT2	fucosyltransferase 2	2524	577.447956	-0.34511633	1.002913809	-0.344113648	0.730760819	0.999371363	Not Sig
ENSG00000254783	NA	NA	NA	28.13074264	-0.344933402	0.623523321	-0.553200483	0.580126136	0.999371363	Not Sig
ENSG00000105176	URI1	URI1, prefoldin like chaperone	8725	1217.568752	-0.344887051	0.397101471	-0.868511138	0.385114578	0.999371363	Not Sig
ENSG00000167555	ZNF528	zinc finger protein 528	84436	572.3229708	-0.344523129	0.475649968	-0.724320724	0.468868857	0.999371363	Not Sig
ENSG00000262429	NA	NA	NA	10.01577977	-0.344490601	1.010736368	-0.34083131	0.733230578	0.999371363	Not Sig

ENSG00000031691	CENPQ	centromere protein Q	55166	85.25511278	-0.344444087	0.668196606	-0.515483144	0.606215446	0.999371363	Not Sig
ENSG00000158865	SLC5A11	solute carrier family 5 member 11	115584	3.20860261	-0.344401584	1.673062487	-0.205850999	0.836907303	NA	NA
ENSG00000145439	CBR4	carbonyl reductase 4	84869	591.0216045	-0.344365761	0.591408268	-0.582280937	0.560377463	0.999371363	Not Sig
ENSG00000269688	NA	NA	NA	53.73282869	-0.344343916	0.554695624	-0.62077994	0.534744423	0.999371363	Not Sig
ENSG00000111339	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)	420	71.05048346	-0.344228948	0.851655539	-0.404187998	0.686074479	0.999371363	Not Sig
ENSG00000213453	NA	NA	NA	21.00996508	-0.344204551	0.744272196	-0.462471327	0.643743359	0.999371363	Not Sig
ENSG00000131778	CHD1L	chromodomain helicase DNA binding protein 1 like	9557	1152.765301	-0.344048007	0.542537628	-0.634145891	0.525985616	0.999371363	Not Sig
ENSG00000242559	NA	NA	NA	7.801241378	-0.344026572	0.911282936	-0.377518945	0.705787988	0.999371363	Not Sig
ENSG00000163435	ELF3	E74 like ETS transcription factor 3	1999	4762.885914	-0.343640956	0.599689351	-0.573031613	0.566623289	0.999371363	Not Sig
ENSG00000251959	NA	NA	NA	13.43020653	-0.343629934	1.033415827	-0.332518552	0.739497733	0.999371363	Not Sig
ENSG00000254141	NA	NA	NA	18.17288468	-0.343502515	1.059852283	-0.324104142	0.745859191	0.999371363	Not Sig
ENSG00000257489	NA	NA	NA	74.56178812	-0.343496795	0.546055829	-0.629050689	0.529315872	0.999371363	Not Sig
ENSG00000106028	SSBP1	single stranded DNA binding protein 1	6742	659.2997077	-0.343391002	0.589367991	-0.582642775	0.560133804	0.999371363	Not Sig
ENSG00000196235	SUPT5H	SPT5 homolog, DSIF elongation factor subunit	6829	2623.150837	-0.343371662	0.422753861	-0.812225964	0.416661984	0.999371363	Not Sig
ENSG00000135362	PRR5L	proline rich 5 like	79899	747.1000786	-0.343362317	0.510631492	-0.672426832	0.501312006	0.999371363	Not Sig
ENSG00000116748	AMPD1	adenosine monophosphate deaminase 1	270	30.16821586	-0.343261313	1.155654327	-0.297027671	0.766445384	0.999371363	Not Sig
ENSG00000110066	KMT5B	lysine methyltransferase 5B	51111	1739.170139	-0.343195944	0.497377121	-0.690011522	0.490186942	0.999371363	Not Sig
ENSG00000101115	SALL4	spalt like transcription factor 4	57167	107.7853583	-0.34312184	1.298522953	-0.264240104	0.79159491	0.999371363	Not Sig
ENSG00000131374	TBC1D5	TBC1 domain family member 5	9779	2445.814441	-0.343058448	0.475197729	-0.721927794	0.470338872	0.999371363	Not Sig
ENSG00000238082	NA	NA	NA	10.14704341	-0.342957224	1.077128497	-0.318399545	0.750181883	0.999371363	Not Sig
ENSG00000218418	NA	NA	NA	3.555653658	-0.342853022	1.275968158	-0.268700296	0.788160324	NA	NA
ENSG00000076067	RBMS2	RNA binding motif single stranded interacting protein 2	5939	1732.418843	-0.342730303	0.59938454	-0.571803709	0.567454964	0.999371363	Not Sig
ENSG00000228252	NA	NA	NA	40.00483399	-0.342716147	0.872466926	-0.392812767	0.694457774	0.999371363	Not Sig
ENSG00000206728	NA	NA	NA	9.446226789	-0.342538478	1.099479443	-0.31154605	0.75538554	0.999371363	Not Sig
ENSG00000198837	DENND4B	DENN domain containing 4B	9909	1717.55315	-0.342385994	0.522250447	-0.65559732	0.51208325	0.999371363	Not Sig
ENSG00000272949	NA	NA	NA	3.451075745	-0.342318894	1.557307128	-0.219814633	0.826015523	NA	NA
ENSG00000166987	MBD6	methyl-CpG binding domain protein 6	114785	1529.209027	-0.342227355	0.409311898	-0.836104098	0.403096343	0.999371363	Not Sig
ENSG00000177182	CLVS1	clavesin 1	157807	4.546009573	-0.342172869	1.39298183	-0.245640583	0.805960471	NA	NA
ENSG00000177599	ZNF491	zinc finger protein 491	126069	42.98408947	-0.342086628	0.667338124	-0.512613645	0.608221606	0.999371363	Not Sig
ENSG00000229241	NA	NA	NA	18.55164296	-0.341644694	1.058452219	-0.322777625	0.746863659	0.999371363	Not Sig
ENSG00000081307	UBA5	ubiquitin like modifier activating enzyme 5	79876	870.717195	-0.341423476	0.596289317	-0.572580232	0.566928947	0.999371363	Not Sig
ENSG00000133639	BTG1	BTG anti-proliferation factor 1	694	3575.60332	-0.341206374	0.516841932	-0.660175487	0.509141221	0.999371363	Not Sig
ENSG00000176083	ZNF683	zinc finger protein 683	257101	33.10960339	-0.340994677	0.772750421	-0.44127401	0.659014639	0.999371363	Not Sig
ENSG00000129595	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A	64097	863.6602542	-0.340483894	0.510759865	-0.666622257	0.505013448	0.999371363	Not Sig
ENSG00000185619	PCGF3	polycomb group ring finger 3	10336	1507.052658	-0.340297923	0.427916011	-0.795244661	0.426471197	0.999371363	Not Sig

ENSG00000124370	MCEE	methylmalonyl-CoA epimerase	84693	231.4005857	-0.340242572	0.552260347	-0.616090896	0.53783453	0.999371363	Not Sig
ENSG00000131183	SLC34A1	solute carrier family 34 member 1	6569	1.732697704	-0.340175045	1.957135754	-0.173812698	0.862012665	NA	NA
ENSG00000060971	ACAA1	acetyl-CoA acyltransferase 1	30	1569.991269	-0.340143168	0.42967924	-0.791621137	0.428581619	0.999371363	Not Sig
ENSG00000155330	C16orf87	chromosome 16 open reading frame 87	388272	205.5912071	-0.340117811	0.628097847	-0.541504501	0.588159896	0.999371363	Not Sig
ENSG00000252242	NA	NA	NA	5.754975563	-0.340116848	1.035244506	-0.3285377	0.742505145	NA	NA
ENSG00000253586	NA	NA	NA	25.21673755	-0.340058004	0.790332147	-0.430272267	0.666997598	0.999371363	Not Sig
ENSG00000236552	RPL13AP5	ribosomal protein L13a pseudogene 5	728658	60.71339901	-0.339944658	0.621367548	-0.547091104	0.584316144	0.999371363	Not Sig
ENSG00000172890	NADSYN1	NAD synthetase 1	55191	1493.111094	-0.339913682	0.472540701	-0.719332073	0.471936339	0.999371363	Not Sig
ENSG00000171033	PKIA	cAMP-dependent protein kinase inhibitor alpha	5569	156.9067749	-0.33982177	0.476401105	-0.713310205	0.475653824	0.999371363	Not Sig
ENSG00000253919	NA	NA	NA	45.91609652	-0.339804326	0.757105293	-0.448820434	0.653561197	0.999371363	Not Sig
ENSG00000167600	CYP2S1	cytochrome P450 family 2 subfamily S member 1	29785	294.4844024	-0.339764294	0.568973931	-0.597152657	0.550405465	0.999371363	Not Sig
ENSG00000200274	NA	NA	NA	7.042348801	-0.339724802	1.019681948	-0.333167419	0.739007911	0.999371363	Not Sig
ENSG00000234028	LOC101928403	uncharacterized LOC101928403	101928403	46.05416819	-0.339713191	0.583596686	-0.582102673	0.560497525	0.999371363	Not Sig
ENSG00000232559	NA	NA	NA	279.3446367	-0.339622665	0.541561773	-0.62711713	0.530582459	0.999371363	Not Sig
ENSG00000107021	TBC1D13	TBC1 domain family member 13	54662	711.4762379	-0.339475295	0.592586213	-0.572870728	0.566732226	0.999371363	Not Sig
ENSG00000235488	JARID2-AS1	JARID2 antisense RNA 1	100506681	4.748163521	-0.339470787	1.200256287	-0.282831917	0.777305687	NA	NA
ENSG00000072415	MPP5	membrane palmitoylated protein 5	64398	1161.321453	-0.339384807	0.498073304	-0.681395297	0.495621398	0.999371363	Not Sig
ENSG00000177150	FAM210A	family with sequence similarity 210 member A	125228	236.970826	-0.339350205	0.59745735	-0.567990678	0.570041298	0.999371363	Not Sig
ENSG00000233524	NA	NA	NA	7.009126155	-0.33930277	0.982764327	-0.345253445	0.729903843	0.999371363	Not Sig
ENSG00000243477	NAT6	N-acetyltransferase 6	24142	134.5547815	-0.339172271	0.455968852	-0.743849651	0.456967439	0.999371363	Not Sig
ENSG00000240225	ZNF542P	zinc finger protein 542, pseudogene	147947	277.1312564	-0.33910564	0.546293385	-0.620739055	0.534771328	0.999371363	Not Sig
ENSG00000189298	ZKSCAN3	zinc finger with KRAB and SCAN domains 3	80317	307.5150567	-0.338937512	0.463458335	-0.731322507	0.464582186	0.999371363	Not Sig
ENSG00000147394	ZNF185	zinc finger protein 185 with LIM domain	7739	717.9206745	-0.338894077	0.639463777	-0.529966027	0.596135486	0.999371363	Not Sig
ENSG00000178149	DALRD3	DALR anticodon binding domain containing 3	55152	404.6860827	-0.338655298	0.406437441	-0.833228594	0.404715819	0.999371363	Not Sig
ENSG00000166295	ANAPC16	anaphase promoting complex subunit 16	119504	1453.924578	-0.33848124	0.441198826	-0.767185269	0.44297137	0.999371363	Not Sig
ENSG00000089335	ZNF302	zinc finger protein 302	55900	703.5370249	-0.338368994	0.442268715	-0.76507558	0.44422654	0.999371363	Not Sig
ENSG00000111727	HCFC2	host cell factor C2	29915	445.9712937	-0.338060546	0.479557785	-0.704942255	0.480846173	0.999371363	Not Sig
ENSG00000075292	ZNF638	zinc finger protein 638	27332	5557.689339	-0.337972992	0.522931313	-0.646304751	0.518082012	0.999371363	Not Sig
ENSG00000091140	DLD	dihydrolipoamide dehydrogenase	1738	1081.749278	-0.337873611	0.479499211	-0.704638512	0.481035226	0.999371363	Not Sig
ENSG00000174437	ATP2A2	ATPase sarcoplasmic/endoplasmic reticulum Ca ²⁺ transporting 2	488	9796.072299	-0.337766307	0.551132709	-0.612858393	0.539969977	0.999371363	Not Sig
ENSG00000213462	ERV3-1	endogenous retrovirus group 3 member 1, envelope	2086	1117.174533	-0.337742839	0.763295033	-0.442480069	0.65814185	0.999371363	Not Sig
ENSG00000109787	KLF3	Kruppel like factor 3	51274	2465.11781	-0.337645923	0.39986727	-0.844394999	0.398448716	0.999371363	Not Sig
ENSG00000188811	NHLRC3	NHL repeat containing 3	387921	932.1694746	-0.33745147	0.552972784	-0.61024969	0.541696418	0.999371363	Not Sig
ENSG00000174564	IL20RB	interleukin 20 receptor subunit beta	53833	31.61309353	-0.337432503	0.714271809	-0.4724147	0.636630814	0.999371363	Not Sig
ENSG00000033030	ZCCHC8	zinc finger CCHC-type containing 8	55596	647.1441276	-0.337381831	0.455086779	-0.741357135	0.458476927	0.999371363	Not Sig

ENSG00000227392	HPN-AS1	HPN antisense RNA 1	100128675	1.800211626	-0.336973868	1.677946141	-0.200825199	0.840835258	NA	NA
ENSG00000239160	NA	NA	NA	2.120217273	-0.336890403	1.811288117	-0.185994928	0.852448739	NA	NA
ENSG00000211792	NA	NA	NA	4.94341469	-0.3367939	1.388992958	-0.242473439	0.808413335	NA	NA
ENSG00000222881	NA	NA	NA	1.408086932	-0.336760502	2.402956735	-0.140144222	0.888546041	NA	NA
ENSG00000252283	NA	NA	NA	6.130622455	-0.336415998	1.22707481	-0.274160952	0.783960934	NA	NA
ENSG00000182841	RRP7BP	ribosomal RNA processing 7 homolog B, pseudogene	91695	291.826021	-0.336319115	0.477097203	-0.704927871	0.480855124	0.999371363	Not Sig
ENSG00000221736	NA	NA	NA	5.314085212	-0.336307441	1.202018618	-0.279785551	0.779642038	NA	NA
ENSG00000270362	HMG3-AS1	HMG3 antisense RNA 1	100288198	68.50002299	-0.336302742	0.57212103	-0.587817481	0.556654809	0.999371363	Not Sig
ENSG00000240775	NA	NA	NA	4.466793986	-0.33627504	1.33405311	-0.252070205	0.8009868	NA	NA
ENSG00000264653	MIR5194	microRNA 5194	100847051	21.23212322	-0.336181918	0.683758722	-0.491667465	0.622954442	0.999371363	Not Sig
ENSG00000250878	METTL21EP	methyltransferase like 21E, pseudogene	121952	5.981030951	-0.336138558	1.149867862	-0.292327987	0.770035862	NA	NA
ENSG00000083544	TDRD3	tudor domain containing 3	81550	624.8058692	-0.336028356	0.409012528	-0.821560057	0.41132733	0.999371363	Not Sig
ENSG00000183309	ZNF623	zinc finger protein 623	9831	785.5784356	-0.335912579	0.473712116	-0.709107005	0.478258076	0.999371363	Not Sig
ENSG00000215006	NA	NA	NA	1.331118762	-0.335814993	2.379923397	-0.141103278	0.887788354	NA	NA
ENSG00000221739	MIR1203	microRNA 1203	100302211	2.904599703	-0.335756234	1.383243594	-0.242731096	0.808213716	NA	NA
ENSG00000124006	OBSL1	obscurin like 1	23363	1943.179308	-0.335745611	0.544323548	-0.616812579	0.537358354	0.999371363	Not Sig
ENSG00000135049	AGTPBP1	ATP/GTP binding protein 1	23287	664.1193563	-0.335717361	0.536827695	-0.625372655	0.531726505	0.999371363	Not Sig
ENSG00000120832	MTERF2	mitochondrial transcription termination factor 2	80298	234.1761578	-0.33569424	0.434617077	-0.772390819	0.43988299	0.999371363	Not Sig
ENSG00000203546	NA	NA	NA	7.809096317	-0.33553106	0.95991377	-0.349542918	0.726681757	0.999371363	Not Sig
ENSG00000179331	RAB39A	RAB39A, member RAS oncogene family	54734	41.64487397	-0.335254916	0.642284593	-0.521972533	0.601689455	0.999371363	Not Sig
ENSG00000100575	TIMM9	translocase of inner mitochondrial membrane 9	26520	227.464688	-0.335232976	0.588252389	-0.569879498	0.568759431	0.999371363	Not Sig
ENSG00000239552	NA	NA	NA	4.346473623	-0.335141947	1.376848156	-0.243412424	0.80768592	NA	NA
ENSG00000229692	NA	NA	NA	82.04127191	-0.334911285	0.704343429	-0.475494298	0.634434696	0.999371363	Not Sig
ENSG00000104413	ESRP1	epithelial splicing regulatory protein 1	54845	1967.203922	-0.334859304	0.735855056	-0.455061498	0.649064996	0.999371363	Not Sig
ENSG00000088986	DYNLL1	dynein light chain LC8-type 1	8655	1324.700862	-0.334720053	0.391065165	-0.855918869	0.392042657	0.999371363	Not Sig
ENSG00000255399	TBX5-AS1	TBX5 antisense RNA 1	255480	264.1862078	-0.334653626	0.864956709	-0.386902168	0.698828636	0.999371363	Not Sig
ENSG00000261659	NA	NA	NA	90.64943876	-0.334588172	0.590121307	-0.566982023	0.570726396	0.999371363	Not Sig
ENSG00000162630	B3GALT2	beta-1,3-galactosyltransferase 2	8707	63.0546527	-0.33452338	0.761371804	-0.439369279	0.660393983	0.999371363	Not Sig
ENSG00000111215	PRR4	proline rich 4 (lacrimal)	11272	178.6775829	-0.334411393	0.660254292	-0.506488782	0.612513563	0.999371363	Not Sig
ENSG00000188566	NDOR1	NADPH dependent diflavin oxidoreductase 1	27158	343.702688	-0.334323723	0.539561012	-0.619621721	0.535506863	0.999371363	Not Sig
ENSG00000108381	ASPA	aspartoacylase	443	69.48006825	-0.33416094	1.071167	-0.311959704	0.755071148	0.999371363	Not Sig
ENSG00000176387	HSD11B2	hydroxysteroid 11-beta dehydrogenase 2	3291	96.42371508	-0.334138682	0.886188519	-0.377051468	0.706135357	0.999371363	Not Sig
ENSG00000229273	NA	NA	NA	8.41994204	-0.334014124	1.007442927	-0.331546448	0.740231763	0.999371363	Not Sig
ENSG00000085999	RAD54L	RAD54 like	8438	77.38685339	-0.333956673	1.070349039	-0.312007262	0.755035004	0.999371363	Not Sig
ENSG00000212348	NA	NA	NA	1.00467558	-0.333692444	2.598592733	-0.128412752	0.89782234	NA	NA

ENSG00000245148	ARAP1-AS2	ARAP1 antisense RNA 2	100506020	1.00467558	-0.333692444	2.598592733	-0.128412752	0.89782234	NA	NA
ENSG00000079102	RUNX1T1	RUNX1 translocation partner 1	862	573.3917049	-0.333689638	0.568982929	-0.586466871	0.557561818	0.999371363	Not Sig
ENSG00000044115	CTNNA1	catenin alpha 1	1495	9611.752993	-0.333574392	0.498475086	-0.669189696	0.503374478	0.999371363	Not Sig
ENSG00000168769	TET2	tet methylcytosine dioxygenase 2	54790	2409.392029	-0.333175463	0.458151849	-0.727216235	0.467093502	0.999371363	Not Sig
ENSG00000154814	OXNAD1	oxidoreductase NAD binding domain containing 1	92106	414.430848	-0.333165483	0.547281168	-0.60876475	0.542680382	0.999371363	Not Sig
ENSG00000140931	CMTM3	CKLF like MARVEL transmembrane domain containing 3	123920	679.9254857	-0.333074328	0.515619936	-0.645968676	0.518299642	0.999371363	Not Sig
ENSG00000171097	KYAT1	kynurenine aminotransferase 1	883	119.9322783	-0.33305664	0.502707536	-0.662525657	0.507634397	0.999371363	Not Sig
ENSG00000258111	NA	NA	NA	30.98574116	-0.332982005	0.681798207	-0.488387916	0.6252751	0.999371363	Not Sig
ENSG00000241468	ATP5J2	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit F2	9551	515.2492865	-0.332912541	0.491746315	-0.67700058	0.498405586	0.999371363	Not Sig
ENSG00000198974	MIR30E	microRNA 30e	407034	6.847357921	-0.332834114	0.978422449	-0.340174241	0.733725315	0.999371363	Not Sig
ENSG00000113361	CDH6	cadherin 6	1004	311.8792597	-0.332792569	0.531994553	-0.625556346	0.53160598	0.999371363	Not Sig
ENSG00000137338	PGBD1	piggyBac transposable element derived 1	84547	112.3916714	-0.332745322	0.570349132	-0.583406379	0.559619764	0.999371363	Not Sig
ENSG00000139914	FITM1	fat storage inducing transmembrane protein 1	161247	7.296689228	-0.332687585	1.079782796	-0.308106025	0.758001657	0.999371363	Not Sig
ENSG00000163633	C4orf36	chromosome 4 open reading frame 36	132989	114.7792326	-0.332623531	0.461761522	-0.72033618	0.471318034	0.999371363	Not Sig
ENSG00000163633	AFF1-AS1	AFF1 antisense RNA 1	100506746	114.7792326	-0.332623531	0.461761522	-0.72033618	0.471318034	0.999371363	Not Sig
ENSG00000167196	FBX022	F-box protein 22	26263	529.1432395	-0.332539392	0.516239911	-0.644156689	0.519473833	0.999371363	Not Sig
ENSG00000111860	CEP85L	centrosomal protein 85 like	387119	532.5965702	-0.332495235	0.452251112	-0.735200482	0.462217406	0.999371363	Not Sig
ENSG00000140471	LINS1	lines homolog 1	55180	415.5285931	-0.332482348	0.471728021	-0.704817888	0.480923575	0.999371363	Not Sig
ENSG00000173275	ZNF449	zinc finger protein 449	203523	259.4892519	-0.332189422	0.578793053	-0.573934708	0.566011985	0.999371363	Not Sig
ENSG00000046604	DSG2	desmoglein 2	1829	2774.568972	-0.332044057	0.756156526	-0.439120798	0.66057401	0.999371363	Not Sig
ENSG00000266803	NA	NA	NA	3.434768953	-0.331956017	1.546445411	-0.214657443	0.830034405	NA	NA
ENSG00000199683	NA	NA	NA	3.867926511	-0.331918905	1.292419523	-0.256819786	0.797317895	NA	NA
ENSG00000047365	ARAP2	ArFGAP with RhoGAP domain, ankyrin repeat and PH domain 2	116984	2273.033731	-0.331832514	0.449162668	-0.738780263	0.460040438	0.999371363	Not Sig
ENSG00000144048	DUSP11	dual specificity phosphatase 11	8446	394.0186267	-0.331739077	0.495633288	-0.669323642	0.503289049	0.999371363	Not Sig
ENSG00000265073	NA	NA	NA	2.895145454	-0.331710048	1.441787691	-0.230068581	0.818038479	NA	NA
ENSG00000140396	NCOA2	nuclear receptor coactivator 2	10499	3492.131278	-0.331679348	0.535738435	-0.619106874	0.535845955	0.999371363	Not Sig
ENSG00000136874	STX17	syntaxin 17	55014	858.4821606	-0.331530937	0.427076963	-0.776279138	0.437584188	0.999371363	Not Sig
ENSG00000207444	SNORD56B	small nucleolar RNA, C/D box 56B	319139	7.194099813	-0.331508937	1.571694335	-0.210924561	0.832946139	0.999371363	Not Sig
ENSG00000108039	XPNPEP1	X-prolyl aminopeptidase 1	7511	972.0467068	-0.33149898	0.389618042	-0.850830672	0.394863421	0.999371363	Not Sig
ENSG00000137145	DENND4C	DENN domain containing 4C	55667	2484.286216	-0.331423404	0.542854805	-0.610519426	0.541517779	0.999371363	Not Sig
ENSG00000249188	NA	NA	NA	10.13737774	-0.331391547	1.302994479	-0.254330738	0.799240055	0.999371363	Not Sig
ENSG00000105568	PPP2R1A	protein phosphatase 2 scaffold subunit Aalpha	5518	3147.68298	-0.331296673	0.457755822	-0.723741038	0.469224734	0.999371363	Not Sig
ENSG00000233892	NA	NA	NA	39.3439932	-0.331227861	0.597021485	-0.554800571	0.579031077	0.999371363	Not Sig
ENSG00000239653	PSMD6-AS2	PSMD6 antisense RNA 2	100507062	157.8092022	-0.330966413	0.636292878	-0.520147914	0.602960485	0.999371363	Not Sig
ENSG00000111859	NEDD9	neural precursor cell expressed, developmentally down-regulated 9	4739	5013.445448	-0.330521654	0.770252288	-0.429108305	0.667844409	0.999371363	Not Sig

ENSG00000137547	MRPL15	mitochondrial ribosomal protein L15	29088	448.5663385	-0.330392885	0.534497386	-0.618137514	0.536484696	0.999371363	Not Sig
ENSG00000232445	NA	NA	NA	5.591126204	-0.330316462	1.42217436	-0.232261579	0.816334852	NA	NA
ENSG00000162733	DDR2	discoidin domain receptor tyrosine kinase 2	4921	1695.02224	-0.330205781	0.583171261	-0.566224371	0.571241265	0.999371363	Not Sig
ENSG00000182993	C12orf60	chromosome 12 open reading frame 60	144608	20.82401274	-0.330204161	0.782576176	-0.421945073	0.67306511	0.999371363	Not Sig
ENSG00000065675	PRKCG	protein kinase C theta	5588	161.2375935	-0.330142203	0.784360713	-0.420906093	0.673823656	0.999371363	Not Sig
ENSG00000242252	BGLAP	bone gamma-carboxyglutamate protein	632	14.45029884	-0.330120026	0.8646101	-0.381813752	0.702599518	0.999371363	Not Sig
ENSG00000196072	BLOC1S2	biogenesis of lysosomal organelles complex 1 subunit 2	282991	391.5586576	-0.330066421	0.565422389	-0.583751949	0.559387211	0.999371363	Not Sig
ENSG00000267348	LOC105372419	uncharacterized LOC105372419	105372419	9.18600199	-0.329935984	1.302128631	-0.253382021	0.79997302	0.999371363	Not Sig
ENSG00000185122	HSF1	heat shock transcription factor 1	3297	1828.429621	-0.32985205	0.49502937	-0.666328242	0.505201317	0.999371363	Not Sig
ENSG00000083535	PIBF1	progesterone immunomodulatory binding factor 1	10464	750.5216661	-0.329719976	0.547246069	-0.602507711	0.546836232	0.999371363	Not Sig
ENSG00000183735	TBK1	TANK binding kinase 1	29110	784.3849069	-0.329711183	0.595393098	-0.553770583	0.579735863	0.999371363	Not Sig
ENSG00000169908	TM4SF1	transmembrane 4 L six family member 1	4071	4832.932798	-0.329535337	0.626255619	-0.52619941	0.598749664	0.999371363	Not Sig
ENSG00000120647	CCDC77	coiled-coil domain containing 77	84318	170.8190532	-0.329445273	0.517539189	-0.636561018	0.524410824	0.999371363	Not Sig
ENSG00000118156	ZNF541	zinc finger protein 541	84215	22.53123826	-0.329382053	0.919855284	-0.358080296	0.720283224	0.999371363	Not Sig
ENSG00000196331	NA	NA	NA	205.0974115	-0.329303283	0.99970072	-0.329401866	0.741851958	0.999371363	Not Sig
ENSG00000164048	ZNF589	zinc finger protein 589	51385	370.0691342	-0.329043324	0.441559493	-0.745184576	0.456160146	0.999371363	Not Sig
ENSG00000232623	NA	NA	NA	22.61633674	-0.328732199	0.905934248	-0.362865406	0.71670543	0.999371363	Not Sig
ENSG00000117262	GPR89B	G protein-coupled receptor 89B	51463	184.772667	-0.328689636	0.660968967	-0.497284521	0.618988426	0.999371363	Not Sig
ENSG00000117262	GPR89A	G protein-coupled receptor 89A	653519	184.772667	-0.328689636	0.660968967	-0.497284521	0.618988426	0.999371363	Not Sig
ENSG00000111058	ACSS3	acyl-CoA synthetase short chain family member 3	79611	317.2440163	-0.328626863	0.656617963	-0.50048412	0.616734235	0.999371363	Not Sig
ENSG00000179387	ELMOD2	ELMO domain containing 2	255520	750.4667187	-0.32856538	0.634417756	-0.517900668	0.604527576	0.999371363	Not Sig
ENSG00000136514	RTP4	receptor transporter protein 4	64108	125.7108795	-0.328149648	1.020033191	-0.321704872	0.747676286	0.999371363	Not Sig
ENSG00000182796	TMEM198B	transmembrane protein 198B (pseudogene)	440104	465.9967959	-0.327967284	0.427592404	-0.767009143	0.443076079	0.999371363	Not Sig
ENSG00000163219	ARHGAP25	Rho GTPase activating protein 25	9938	799.6890151	-0.327856924	0.70216457	-0.466923194	0.64055483	0.999371363	Not Sig
ENSG00000179397	CATSPERE	catsper channel auxiliary subunit epsilon	257044	54.81506588	-0.327694095	0.749272141	-0.437349898	0.661857613	0.999371363	Not Sig
ENSG00000252656	NA	NA	NA	4.06019491	-0.32759703	1.31104632	-0.24987449	0.802684412	NA	NA
ENSG00000236086	NA	NA	NA	33.40959849	-0.327415207	0.717896019	-0.456076086	0.648335266	0.999371363	Not Sig
ENSG00000188133	TMEM215	transmembrane protein 215	401498	1.694061593	-0.327282674	2.224325088	-0.147137968	0.883023122	NA	NA
ENSG00000262312	NA	NA	NA	9.297002516	-0.326953284	1.044057006	-0.313156544	0.754161732	0.999371363	Not Sig
ENSG00000147155	EBP	emopamil binding protein (sterol isomerase)	10682	407.2782496	-0.326923016	0.473199586	-0.690877645	0.489642436	0.999371363	Not Sig
ENSG00000240808	NA	NA	NA	21.23281605	-0.326776415	0.679218386	-0.48110655	0.630440773	0.999371363	Not Sig
ENSG00000169635	HIC2	HIC ZBTB transcriptional repressor 2	23119	369.8296331	-0.326740529	0.610286527	-0.53538873	0.592381081	0.999371363	Not Sig
ENSG00000124181	PLCG1	phospholipase C gamma 1	5335	1915.671728	-0.326715557	0.613434568	-0.532600498	0.594310157	0.999371363	Not Sig
ENSG00000177418	NA	NA	NA	11.8477203	-0.326673414	0.880716059	-0.370917971	0.710698629	0.999371363	Not Sig
ENSG00000273320	NA	NA	NA	26.72699504	-0.326637625	0.761542801	-0.428915649	0.667984611	0.999371363	Not Sig

ENSG00000156384	SFR1	SWI5 dependent homologous recombination repair protein 1	119392	112.9058393	-0.326537846	0.523153414	-0.624172254	0.532514466	0.999371363	Not Sig
ENSG00000068615	REEP1	receptor accessory protein 1	65055	95.39989316	-0.326491432	0.878984274	-0.371441721	0.710308556	0.999371363	Not Sig
ENSG00000183458	NA	NA	NA	393.1666382	-0.326380556	0.683379196	-0.477598028	0.632936335	0.999371363	Not Sig
ENSG00000260831	NA	NA	NA	6.966493981	-0.326355521	1.114912929	-0.292718393	0.76973741	0.999371363	Not Sig
ENSG00000145730	PAM	peptidylglycine alpha-amidating monooxygenase	5066	4661.40972	-0.32630446	0.564212283	-0.578336328	0.563037072	0.999371363	Not Sig
ENSG00000148950	IMMP1L	inner mitochondrial membrane peptidase subunit 1	196294	160.5548875	-0.326204577	0.630279209	-0.517555669	0.604768319	0.999371363	Not Sig
ENSG00000238105	GOLGA2P5	golgin A2 pseudogene 5	55592	452.2071318	-0.32614989	0.543099892	-0.60053389	0.548150482	0.999371363	Not Sig
ENSG00000148688	RPP30	ribonuclease P/MRP subunit p30	10556	290.0729973	-0.326137426	0.491404552	-0.663684177	0.506892469	0.999371363	Not Sig
ENSG00000271430	NA	NA	NA	1218.755347	-0.325894233	0.744253629	-0.43788061	0.661472832	0.999371363	Not Sig
ENSG00000176894	PXMP2	peroxisomal membrane protein 2	5827	70.56646427	-0.325471271	0.542421332	-0.600034055	0.54848354	0.999371363	Not Sig
ENSG00000139197	PEX5	peroxisomal biogenesis factor 5	5830	734.3815084	-0.325406835	0.494421749	-0.658156392	0.510437643	0.999371363	Not Sig
ENSG00000240382	NA	NA	NA	78.8588125	-0.325303981	0.910238996	-0.357383042	0.72080507	0.999371363	Not Sig
ENSG00000196466	ZNF799	zinc finger protein 799	90576	122.4839047	-0.325266137	0.492684155	-0.660191998	0.509130627	0.999371363	Not Sig
ENSG00000204791	NA	NA	NA	5.261145729	-0.325261298	1.2152386	-0.267652211	0.788967038	NA	NA
ENSG00000182899	RPL35A	ribosomal protein L35a	6165	3395.074021	-0.325171321	0.558126345	-0.582612386	0.560154265	0.999371363	Not Sig
ENSG00000170011	MYRIP	myosin VIIA and Rab interacting protein	25924	71.66158765	-0.32515694	0.880968106	-0.369090478	0.712060286	0.999371363	Not Sig
ENSG00000145592	RPL37	ribosomal protein L37	6167	3736.26419	-0.325135126	0.581321741	-0.559303228	0.575954793	0.999371363	Not Sig
ENSG00000144034	TPRKB	TP53RK binding protein	51002	149.3690419	-0.3246383	0.668621258	-0.48553392	0.627297658	0.999371363	Not Sig
ENSG00000155850	SLC26A2	solute carrier family 26 member 2	1836	992.6413794	-0.324624279	0.549301349	-0.590976664	0.554536057	0.999371363	Not Sig
ENSG00000196756	SNHG17	small nucleolar RNA host gene 17	388796	323.5365488	-0.32453335	0.53122604	-0.61091386	0.541256609	0.999371363	Not Sig
ENSG00000198298	ZNF485	zinc finger protein 485	220992	74.88848347	-0.324413092	0.58148784	-0.557901764	0.576911467	0.999371363	Not Sig
ENSG00000100139	MICALL1	MICAL like 1	85377	1187.801719	-0.324237818	0.698960135	-0.463885995	0.642729427	0.999371363	Not Sig
ENSG00000227331	NA	NA	NA	64.41359751	-0.324198596	0.707717426	-0.458090452	0.646887458	0.999371363	Not Sig
ENSG00000112245	PTP4A1	protein tyrosine phosphatase type IVA, member 1	7803	7326.120307	-0.324082076	0.699312239	-0.463429722	0.643056378	0.999371363	Not Sig
ENSG00000129691	ASH2L	ASH2 like histone lysine methyltransferase complex subunit	9070	890.3488089	-0.324073359	0.560427321	-0.578261171	0.563087805	0.999371363	Not Sig
ENSG00000112592	TBP	TATA-box binding protein	6908	247.0712182	-0.323957542	0.478588625	-0.676901884	0.498468209	0.999371363	Not Sig
ENSG00000185973	TMLHE	trimethyllysine hydroxylase, epsilon	55217	179.5073728	-0.323938231	0.525216469	-0.616770894	0.537385852	0.999371363	Not Sig
ENSG00000203865	ATP1A1-AS1	ATP1A1 antisense RNA 1	84852	60.41868593	-0.32387277	0.538279148	-0.601681807	0.547385963	0.999371363	Not Sig
ENSG00000212978	LOC339803	uncharacterized LOC339803	339803	109.6219903	-0.323850002	0.465902511	-0.695102504	0.486991066	0.999371363	Not Sig
ENSG00000164330	EBF1	early B-cell factor 1	1879	206.5464557	-0.323661192	0.586131003	-0.552199407	0.58081174	0.999371363	Not Sig
ENSG00000152595	MEPE	matrix extracellular phosphoglycoprotein	56955	0.745746319	-0.323356307	3.349891111	-0.096527408	0.923101707	NA	NA
ENSG00000163833	FBXO40	F-box protein 40	51725	0.745746319	-0.323356307	3.349891111	-0.096527408	0.923101707	NA	NA
ENSG00000212176	NA	NA	NA	0.745746319	-0.323356307	3.349891111	-0.096527408	0.923101707	NA	NA
ENSG00000229442	NA	NA	NA	0.745746319	-0.323356307	3.349891111	-0.096527408	0.923101707	NA	NA
ENSG00000237003	NA	NA	NA	0.745746319	-0.323356307	3.349891111	-0.096527408	0.923101707	NA	NA

ENSG00000239272	NA	NA	NA	17.58927479	-0.323345577	0.896596026	-0.360636862	0.718370929	0.999371363	Not Sig
ENSG00000113522	RAD50	RAD50 double strand break repair protein	10111	2050.831045	-0.323221661	0.569296907	-0.567755871	0.570200748	0.999371363	Not Sig
ENSG00000175899	A2M	alpha-2-macroglobulin	2	50489.84822	-0.323197138	0.772595954	-0.418326211	0.675708628	0.999371363	Not Sig
ENSG00000172830	SSH3	slingshot protein phosphatase 3	54961	983.2891408	-0.322966871	0.458297842	-0.70470956	0.480991001	0.999371363	Not Sig
ENSG00000140463	BBS4	Bardet-Biedl syndrome 4	585	482.6539047	-0.322675896	0.565165622	-0.570940417	0.568040033	0.999371363	Not Sig
ENSG00000155744	FAM126B	family with sequence similarity 126 member B	285172	1044.951138	-0.322650418	0.544374617	-0.592699232	0.553382455	0.999371363	Not Sig
ENSG00000113108	APBB3	amyloid beta precursor protein binding family B member 3	10307	347.0047344	-0.322629999	0.476974084	-0.676409913	0.498780425	0.999371363	Not Sig
ENSG00000121406	ZNF549	zinc finger protein 549	256051	227.2023886	-0.322601567	0.629115298	-0.512786079	0.608100969	0.999371363	Not Sig
ENSG00000133731	IMPA1	inositol monophosphatase 1	3612	342.0732809	-0.322534717	0.498522341	-0.64698147	0.517643936	0.999371363	Not Sig
ENSG00000156017	CARNMT1	carnosine N-methyltransferase 1	138199	482.890222	-0.322367752	0.591124028	-0.545347062	0.585514842	0.999371363	Not Sig
ENSG00000172687	NA	NA	NA	104.3679748	-0.322259381	0.605223687	-0.532463266	0.594405178	0.999371363	Not Sig
ENSG00000152402	GUCY1A2	guanylate cyclase 1 soluble subunit alpha 2	2977	1483.479546	-0.322225467	0.700039593	-0.460296061	0.645303728	0.999371363	Not Sig
ENSG00000225177	NA	NA	NA	27.6168081	-0.322015932	0.8003348	-0.402351531	0.687425335	0.999371363	Not Sig
ENSG00000131943	C19orf12	chromosome 19 open reading frame 12	83636	332.2465135	-0.32189632	0.428015869	-0.75206632	0.452011177	0.999371363	Not Sig
ENSG00000153922	CHD1	chromodomain helicase DNA binding protein 1	1105	2590.89726	-0.321853861	0.581429694	-0.553555941	0.579882786	0.999371363	Not Sig
ENSG00000107854	TNKS2	tankyrase 2	80351	2671.10209	-0.321802979	0.505312381	-0.636839687	0.524229272	0.999371363	Not Sig
ENSG00000127184	COX7C	cytochrome c oxidase subunit 7C	1350	1406.708231	-0.321668145	0.620388915	-0.518494346	0.604113404	0.999371363	Not Sig
ENSG00000174606	ANGEL2	angel homolog 2	90806	861.1715004	-0.321631788	0.611069939	-0.526342022	0.598650591	0.999371363	Not Sig
ENSG00000157212	PAXIP1	PAX interacting protein 1	22976	622.4567886	-0.321485037	0.633950294	-0.50711395	0.612074868	0.999371363	Not Sig
ENSG00000233058	NA	NA	NA	67.57372532	-0.32144767	0.846339182	-0.37980951	0.704086823	0.999371363	Not Sig
ENSG00000149311	ATM	ATM serine/threonine kinase	472	4428.671125	-0.321269166	0.578428631	-0.555417122	0.578609384	0.999371363	Not Sig
ENSG00000245680	ZNF585B	zinc finger protein 585B	92285	360.6877629	-0.321193899	0.482082054	-0.666263961	0.505242396	0.999371363	Not Sig
ENSG00000186130	ZBTB6	zinc finger and BTB domain containing 6	10773	323.0593229	-0.32117871	0.531844732	-0.603895631	0.545913034	0.999371363	Not Sig
ENSG00000212884	NA	NA	NA	181.6746998	-0.321138611	0.943858549	-0.340240188	0.733675656	0.999371363	Not Sig
ENSG00000115255	REEP6	receptor accessory protein 6	92840	133.087672	-0.321130536	0.840685915	-0.38198634	0.702471497	0.999371363	Not Sig
ENSG00000130775	THEMIS2	thymocyte selection associated family member 2	9473	1340.378958	-0.321063964	0.717904096	-0.447224032	0.654713311	0.999371363	Not Sig
ENSG00000243199	NA	NA	NA	17.11802577	-0.320947274	0.924380768	-0.347202457	0.728439225	0.999371363	Not Sig
ENSG00000263307	LOC105371084	uncharacterized LOC105371084	105371084	16.47398045	-0.320744878	0.774286533	-0.414245714	0.678694166	0.999371363	Not Sig
ENSG00000104412	EMC2	ER membrane protein complex subunit 2	9694	706.6432983	-0.320635399	0.560715665	-0.571832441	0.567435497	0.999371363	Not Sig
ENSG00000101152	DNAJC5	DnaJ heat shock protein family (Hsp40) member C5	80331	2391.624874	-0.320614386	0.448760871	-0.71444372	0.474952845	0.999371363	Not Sig
ENSG00000236269	NA	NA	NA	83.83378544	-0.320484886	0.86006387	-0.37262917	0.709424459	0.999371363	Not Sig
ENSG00000166780	C16orf45	chromosome 16 open reading frame 45	89927	202.8182957	-0.320402085	0.646191269	-0.495831653	0.620013191	0.999371363	Not Sig
ENSG00000066427	ATXN3	ataxin 3	4287	687.0249034	-0.320145525	0.45387078	-0.705367119	0.480581801	0.999371363	Not Sig
ENSG00000114745	GORASP1	golgi reassembly stacking protein 1	64689	1146.735357	-0.32007459	0.489132645	-0.654371759	0.512872324	0.999371363	Not Sig
ENSG00000241634	NA	NA	NA	8.718089284	-0.320030385	0.896431651	-0.357004781	0.721088227	0.999371363	Not Sig

ENSG00000264961	MIR4730	microRNA 4730	100616359	4.380216849	-0.319976374	1.320412971	-0.24233053	0.808524059	NA	NA
ENSG00000134086	VHL	von Hippel-Lindau tumor suppressor	7428	1269.448394	-0.319935111	0.491703478	-0.650666763	0.515261623	0.999371363	Not Sig
ENSG00000174233	ADCY6	adenylate cyclase 6	112	1426.302612	-0.319848719	0.435508883	-0.734425248	0.462689604	0.999371363	Not Sig
ENSG00000104388	RAB2A	RAB2A, member RAS oncogene family	5862	2338.424601	-0.319669792	0.559130437	-0.571726687	0.567507152	0.999371363	Not Sig
ENSG00000258458	NA	NA	NA	13.62886872	-0.319619816	0.768071067	-0.416133128	0.67731259	0.999371363	Not Sig
ENSG00000137496	IL18BP	interleukin 18 binding protein	10068	532.1888674	-0.319614969	0.57035462	-0.560379381	0.575220692	0.999371363	Not Sig
ENSG0000013561	RNF14	ring finger protein 14	9604	769.6843112	-0.319611365	0.494003569	-0.646981896	0.517643661	0.999371363	Not Sig
ENSG00000166783	MARF1	meiosis regulator and mRNA stability factor 1	9665	3485.003064	-0.319545353	0.463296126	-0.689721616	0.49036927	0.999371363	Not Sig
ENSG00000141380	SS18	SS18, nBAF chromatin remodeling complex subunit	6760	1674.020899	-0.319504209	0.644462414	-0.495768569	0.620057703	0.999371363	Not Sig
ENSG00000168283	BMI1	BMI1 proto-oncogene, polycomb ring finger	648	555.7119727	-0.319476597	0.530268751	-0.602480528	0.546854321	0.999371363	Not Sig
ENSG00000112425	EPM2A	EPM2A, laforin glucan phosphatase	7957	132.173537	-0.319406344	0.596399364	-0.535557821	0.592264186	0.999371363	Not Sig
ENSG00000120158	RCL1	RNA terminal phosphate cyclase like 1	10171	338.2597504	-0.319295873	0.553651466	-0.576709161	0.564135943	0.999371363	Not Sig
ENSG00000103150	MLYCD	malonyl-CoA decarboxylase	23417	386.8310412	-0.319248669	0.5255993	-0.607399341	0.543585926	0.999371363	Not Sig
ENSG00000163636	PSMD6	proteasome 26S subunit, non-ATPase 6	9861	882.5886997	-0.319201346	0.502412278	-0.63533747	0.52520834	0.999371363	Not Sig
ENSG00000131558	EXOC4	exocyst complex component 4	60412	2010.877654	-0.319178218	0.462694568	-0.689824866	0.49030433	0.999371363	Not Sig
ENSG00000061337	LZTS1	leucine zipper tumor suppressor 1	11178	255.4819783	-0.319121437	0.522615358	-0.610623916	0.541448586	0.999371363	Not Sig
ENSG00000075975	MKRN2	makorin ring finger protein 2	23609	581.0104215	-0.318717718	0.426051208	-0.748073734	0.454415684	0.999371363	Not Sig
ENSG00000214367	HAUS3	HAUS augmin like complex subunit 3	79441	392.6111211	-0.318661225	0.474051904	-0.672207458	0.501451634	0.999371363	Not Sig
ENSG00000117569	PTBP2	polypyrimidine tract binding protein 2	58155	712.6964526	-0.318647618	0.738577072	-0.431434485	0.66615248	0.999371363	Not Sig
ENSG00000130725	UBE2M	ubiquitin conjugating enzyme E2 M	9040	815.4044364	-0.318565669	0.462060933	-0.689445149	0.490543179	0.999371363	Not Sig
ENSG00000246174	KCTD21-AS1	KCTD21 antisense RNA 1	100289388	32.5223488	-0.318520775	0.917615228	-0.347118013	0.728502661	0.999371363	Not Sig
ENSG00000143952	VPS54	VPS54, GARP complex subunit	51542	1418.62332	-0.317949979	0.559802523	-0.567968106	0.570056624	0.999371363	Not Sig
ENSG00000205038	PKHD1L1	PKHD1 like 1	93035	163.2109745	-0.317774199	1.168779444	-0.271885513	0.785710051	0.999371363	Not Sig
ENSG00000229132	NA	NA	NA	6.846189911	-0.317772369	1.04822624	-0.303152466	0.761773672	0.999371363	Not Sig
ENSG00000167306	MYO5B	myosin VB	4645	1757.601201	-0.317653416	0.427137489	-0.74367955	0.457070364	0.999371363	Not Sig
ENSG00000264324	NA	NA	NA	8.414650719	-0.317614037	0.879494983	-0.36113229	0.718000556	0.999371363	Not Sig
ENSG00000125637	PSD4	pleckstrin and Sec7 domain containing 4	23550	3150.550446	-0.317416858	0.672090953	-0.472282593	0.636725093	0.999371363	Not Sig
ENSG00000178971	CTC1	CST telomere replication complex component 1	80169	989.8937038	-0.317222145	0.379292697	-0.836351839	0.402956998	0.999371363	Not Sig
ENSG00000257207	NA	NA	NA	21.83082604	-0.317209821	0.654934799	-0.484338015	0.628146001	0.999371363	Not Sig
ENSG00000203739	LOC101928673	uncharacterized LOC101928673	101928673	71.96467504	-0.317159183	0.508121449	-0.624179875	0.532509462	0.999371363	Not Sig
ENSG00000256723	NA	NA	NA	1.011113115	-0.316982048	2.596059683	-0.122101218	0.902818858	NA	NA
ENSG00000159496	RGL4	ral guanine nucleotide dissociation stimulator like 4	266747	13.19643532	-0.316965133	1.055287321	-0.300359084	0.76390327	0.999371363	Not Sig
ENSG00000260165	NA	NA	NA	1.403237809	-0.316750729	2.377532133	-0.133226687	0.894014106	NA	NA
ENSG00000148834	GSTO1	glutathione S-transferase omega 1	9446	800.684463	-0.316730369	0.544570981	-0.581614481	0.560826387	0.999371363	Not Sig
ENSG00000166377	ATP9B	ATPase phospholipid transporting 9B (putative)	374868	1422.031446	-0.316633689	0.412561643	-0.767482131	0.442794913	0.999371363	Not Sig

ENSG00000165029	ABCA1	ATP binding cassette subfamily A member 1		19	5329.798707	-0.316573438	0.44911589	-0.704881401	0.480884045	0.999371363	Not Sig
ENSG00000130787	HIP1R	huntingtin interacting protein 1 related		9026	1305.055833	-0.316516365	0.443375362	-0.713879012	0.475301996	0.999371363	Not Sig
ENSG00000144827	ABHD10	abhydrolase domain containing 10		55347	343.6263494	-0.316462534	0.49108584	-0.644413884	0.519307084	0.999371363	Not Sig
ENSG00000089234	BRAP	BRCA1 associated protein		8315	551.108728	-0.316262763	0.407387038	-0.776320142	0.437559983	0.999371363	Not Sig
ENSG00000260824	NA	NA	NA		13.80076745	-0.316256738	0.846045493	-0.37380583	0.708548782	0.999371363	Not Sig
ENSG00000138698	RAP1GDS1	Rap1 GTPase-GDP dissociation stimulator 1		5910	621.5321972	-0.316129344	0.520166316	-0.607746665	0.543355508	0.999371363	Not Sig
ENSG00000230026	NA	NA	NA		1.745572776	-0.316124035	2.280526106	-0.138618906	0.889751302	NA	NA
ENSG00000168297	PXK	PX domain containing serine/threonine kinase like		54899	468.2462828	-0.316073276	0.447092992	-0.706951981	0.479596319	0.999371363	Not Sig
ENSG00000089022	MAPKAPK5	mitogen-activated protein kinase-activated protein kinase 5		8550	736.6724868	-0.316008417	0.394025201	-0.802000523	0.422552656	0.999371363	Not Sig
ENSG00000074603	DPP8	dipeptidyl peptidase 8		54878	1373.15747	-0.315987906	0.516118124	-0.612239507	0.540379307	0.999371363	Not Sig
ENSG00000142330	CAPN10	calpain 10		11132	613.8238169	-0.315795526	0.539238787	-0.585632068	0.558122794	0.999371363	Not Sig
ENSG00000168522	FNTA	farnesyltransferase, CAAX box, alpha		2339	830.196526	-0.315659579	0.463750603	-0.680666671	0.49608243	0.999371363	Not Sig
ENSG00000163714	U2SURP	U2 snRNP associated SURP domain containing		23350	2989.453873	-0.315564816	0.589432625	-0.535370461	0.592393712	0.999371363	Not Sig
ENSG00000125648	SLC25A23	solute carrier family 25 member 23		79085	1139.183877	-0.315490746	0.508108373	-0.620912314	0.534657319	0.999371363	Not Sig
ENSG00000137269	LRRC1	leucine rich repeat containing 1		55227	525.7842795	-0.315435442	0.604983544	-0.521395078	0.60209158	0.999371363	Not Sig
ENSG00000267221	ZNF385C	zinc finger protein 385C		201181	28.05110955	-0.31535834	0.660977817	-0.47710881	0.633284641	0.999371363	Not Sig
ENSG00000230092	NA	NA	NA		46.05834695	-0.315352292	0.58056148	-0.543185007	0.587002429	0.999371363	Not Sig
ENSG00000047188	YTHDC2	YTH domain containing 2		64848	1170.660836	-0.315200215	0.552672919	-0.570319631	0.568460929	0.999371363	Not Sig
ENSG00000154265	ABCA5	ATP binding cassette subfamily A member 5		23461	913.0056828	-0.315135563	0.65555028	-0.480719134	0.63071613	0.999371363	Not Sig
ENSG00000206651	NA	NA	NA		17.22913174	-0.315134165	0.698138571	-0.451391998	0.651707049	0.999371363	Not Sig
ENSG00000130997	POLN	DNA polymerase nu		353497	61.88328294	-0.315089438	0.525874153	-0.599172703	0.549057724	0.999371363	Not Sig
ENSG00000166855	CLPX	caseinolytic mitochondrial matrix peptidase chaperone subunit		10845	1188.702134	-0.315041323	0.437769699	-0.719650822	0.471740013	0.999371363	Not Sig
ENSG00000148341	SH3GLB2	SH3 domain containing GREB2 like, endophilin B2		56904	1411.887682	-0.31500462	0.577231331	-0.545716427	0.585260878	0.999371363	Not Sig
ENSG00000214982	NA	NA	NA		238.9115645	-0.314755516	0.457770021	-0.68758438	0.491714547	0.999371363	Not Sig
ENSG00000070814	TCOF1	treacle ribosome biogenesis factor 1		6949	1135.802378	-0.314472439	0.480436789	-0.654555285	0.512754122	0.999371363	Not Sig
ENSG00000162496	DHRS3	dehydrogenase/reductase 3		9249	1816.651325	-0.31439029	0.530141083	-0.593031365	0.553160162	0.999371363	Not Sig
ENSG00000108106	UBE2S	ubiquitin conjugating enzyme E2 S		27338	319.0173969	-0.314357517	0.454569868	-0.691549394	0.489220351	0.999371363	Not Sig
ENSG00000165661	QSOX2	quiescin sulphydryl oxidase 2		169714	492.0535361	-0.314314504	0.463206556	-0.678562294	0.497415241	0.999371363	Not Sig
ENSG00000186432	KPNA4	karyopherin subunit alpha 4		3840	2510.630683	-0.314267638	0.491577633	-0.639304185	0.522625066	0.999371363	Not Sig
ENSG00000091009	RBM27	RNA binding motif protein 27		54439	1442.810721	-0.313812807	0.502731163	-0.624215944	0.532485778	0.999371363	Not Sig
ENSG00000233585	NA	NA	NA		6.6622254	-0.31362482	0.998268273	-0.314168875	0.753392781	0.999371363	Not Sig
ENSG00000129158	SERGEF	secretion regulating guanine nucleotide exchange factor		26297	297.0007072	-0.313610364	0.443861822	-0.706549535	0.479846459	0.999371363	Not Sig
ENSG00000080802	CNOT4	CCR4-NOT transcription complex subunit 4		4850	943.4822277	-0.313539244	0.531073521	-0.590387643	0.554930793	0.999371363	Not Sig
ENSG00000206783	NA	NA	NA		4.300957779	-0.31349697	1.696166634	-0.184826752	0.853364924	NA	NA
ENSG00000148516	ZEB1	zinc finger E-box binding homeobox 1		6935	1269.209466	-0.313390798	0.547473225	-0.572431278	0.567029831	0.999371363	Not Sig

ENSG00000145817	YIPF5	Yipl domain family member 5	81555	982.7847973	-0.312869004	0.594534634	-0.526241846	0.598720183	0.999371363	Not Sig
ENSG00000252585	NA	NA	NA	3.145362572	-0.312833539	1.758812635	-0.177866324	0.858827958	NA	NA
ENSG00000101216	GMEB2	glucocorticoid modulatory element binding protein 2	26205	513.6598519	-0.312766344	0.481623416	-0.649400203	0.516079733	0.999371363	Not Sig
ENSG00000090054	SPTLC1	serine palmitoyltransferase long chain base subunit 1	10558	1117.022362	-0.312756377	0.438293357	-0.713577727	0.475488335	0.999371363	Not Sig
ENSG00000188394	NA	NA	NA	27.30055576	-0.31275203	0.815773692	-0.383380873	0.701437383	0.999371363	Not Sig
ENSG00000185917	SETD4	SET domain containing 4	54093	509.4509389	-0.312587888	0.479166867	-0.652357059	0.514170859	0.999371363	Not Sig
ENSG00000132330	SCLY	selenocysteine lyase	51540	92.10316081	-0.312210631	0.447624447	-0.69748342	0.485500312	0.999371363	Not Sig
ENSG00000166435	XRRA1	X-ray radiation resistance associated 1	143570	918.0667703	-0.312204231	0.509046838	-0.613311404	0.539670454	0.999371363	Not Sig
ENSG00000264480	MIR4714	microRNA 4714	100616432	10.46805241	-0.312183009	0.876369722	-0.356222952	0.721673605	0.999371363	Not Sig
ENSG00000203875	SNHG5	small nucleolar RNA host gene 5	387066	804.5862567	-0.312153893	0.495921046	-0.62944272	0.529059257	0.999371363	Not Sig
ENSG00000162290	NA	NA	NA	1014.3391	-0.312114606	0.476816867	-0.654579625	0.512738446	0.999371363	Not Sig
ENSG00000136146	MED4	mediator complex subunit 4	29079	598.5570377	-0.311939447	0.576830738	-0.540781596	0.588658129	0.999371363	Not Sig
ENSG00000258578	NA	NA	NA	8.694160654	-0.311857615	0.952146557	-0.327531106	0.74326622	0.999371363	Not Sig
ENSG00000213509	NA	NA	NA	2.037813962	-0.311844973	2.176664839	-0.143267336	0.886079052	NA	NA
ENSG00000152382	TADA1	transcriptional adaptor 1	117143	263.8515321	-0.31112061	0.568460618	-0.547303719	0.584170089	0.999371363	Not Sig
ENSG00000083168	KAT6A	lysine acetyltransferase 6A	7994	3059.205507	-0.310896052	0.507205652	-0.61295857	0.539903734	0.999371363	Not Sig
ENSG00000095485	CWF19L1	CWF19 like 1, cell cycle control (S. pombe)	55280	411.7856069	-0.310855088	0.437948191	-0.709798772	0.477828931	0.999371363	Not Sig
ENSG00000136147	PHF11	PHD finger protein 11	51131	621.4711718	-0.310853823	0.538196434	-0.577584324	0.563544793	0.999371363	Not Sig
ENSG00000225541	NA	NA	NA	3.225474702	-0.310791056	1.440446361	-0.215760242	0.82917464	NA	NA
ENSG00000122912	SLC25A16	solute carrier family 25 member 16	8034	849.1642081	-0.310562214	0.599234039	-0.518265309	0.604273174	0.999371363	Not Sig
ENSG00000241539	NA	NA	NA	0.668778149	-0.310553085	2.963217016	-0.10480268	0.916532383	NA	NA
ENSG00000217733	NA	NA	NA	8.538652194	-0.310475543	0.929505077	-0.334022429	0.738362634	0.999371363	Not Sig
ENSG00000269019	LOC102724360	uncharacterized LOC102724360	102724360	4.553576751	-0.310124319	1.18258772	-0.262242127	0.793134777	NA	NA
ENSG00000113384	GOLPH3	golgi phosphoprotein 3	64083	3103.476105	-0.310037539	0.507334045	-0.611111244	0.541125936	0.999371363	Not Sig
ENSG00000112695	COX7A2	cytochrome c oxidase subunit 7A2	1347	814.9718906	-0.309853782	0.587512272	-0.527399677	0.597916068	0.999371363	Not Sig
ENSG00000141562	NARF	nuclear prelamin A recognition factor	26502	1072.973553	-0.309502715	0.463065161	-0.668378321	0.50389213	0.999371363	Not Sig
ENSG00000269067	ZNF728	zinc finger protein 728	388523	9.858069289	-0.309492601	0.927892829	-0.333543478	0.738724076	0.999371363	Not Sig
ENSG00000160633	SAFB	scaffold attachment factor B	6294	1884.253678	-0.309486382	0.473277757	-0.65392125	0.513162543	0.999371363	Not Sig
ENSG00000246082	NUDT16P1	nudix hydrolase 16 pseudogene 1	152195	195.1273606	-0.309356705	0.535730581	-0.577448285	0.563636664	0.999371363	Not Sig
ENSG00000166734	CASC4	cancer susceptibility 4	113201	3601.307459	-0.309117231	0.528138711	-0.585295538	0.558349015	0.999371363	Not Sig
ENSG00000256712	NA	NA	NA	81.59681369	-0.30900517	0.58159145	-0.531309685	0.595204195	0.999371363	Not Sig
ENSG00000174652	ZNF266	zinc finger protein 266	10781	619.3339607	-0.30899687	0.592839306	-0.521215221	0.602216852	0.999371363	Not Sig
ENSG00000250132	NA	NA	NA	55.6057209	-0.308988889	0.554788144	-0.556949336	0.577562045	0.999371363	Not Sig
ENSG00000144455	SUMF1	sulfatase modifying factor 1	285362	1160.407576	-0.308908086	0.460578387	-0.670696008	0.502414207	0.999371363	Not Sig
ENSG00000135862	LAMC1	laminin subunit gamma 1	3915	6172.194178	-0.30878081	0.524101348	-0.589162404	0.555752335	0.999371363	Not Sig

ENSG00000122085	MTERF4	mitochondrial transcription termination factor 4	130916	743.3839812	-0.30848918	0.436891791	-0.70609974	0.480126113	0.999371363	Not Sig
ENSG00000166135	HIF1AN	hypoxia inducible factor 1 alpha subunit inhibitor	55662	1535.019299	-0.308441147	0.415620825	-0.742121492	0.458013729	0.999371363	Not Sig
ENSG00000261168	NA	NA	NA	3.461659636	-0.308374196	1.47023014	-0.209745527	0.83386629	NA	NA
ENSG00000132388	UBE2G1	ubiquitin conjugating enzyme E2 G1	7326	1026.01179	-0.30836008	0.475776735	-0.64811929	0.516907798	0.999371363	Not Sig
ENSG00000137710	RDX	radixin	5962	2811.048797	-0.308302914	0.531555556	-0.580001296	0.561913744	0.999371363	Not Sig
ENSG00000114115	RBP1	retinol binding protein 1	5947	146.5533486	-0.308258327	0.718935054	-0.428770757	0.668090062	0.999371363	Not Sig
ENSG00000104812	GYS1	glycogen synthase 1	2997	873.2117044	-0.308076987	0.393571618	-0.782772366	0.433760798	0.999371363	Not Sig
ENSG00000267219	NA	NA	NA	9.46651569	-0.308003616	1.025882407	-0.300232867	0.763999537	0.999371363	Not Sig
ENSG00000205208	C4orf46	chromosome 4 open reading frame 46	201725	131.2417458	-0.307889913	0.571469057	-0.538769176	0.590046135	0.999371363	Not Sig
ENSG00000155858	LSM11	LSM11, U7 small nuclear RNA associated	134353	161.830235	-0.3078124	0.423462295	-0.726894469	0.467290606	0.999371363	Not Sig
ENSG00000078043	PIAS2	protein inhibitor of activated STAT 2	9063	744.9802834	-0.307705679	0.603359616	-0.509987197	0.610060431	0.999371363	Not Sig
ENSG00000198093	ZNF649	zinc finger protein 649	65251	351.6358589	-0.307640631	0.597844858	-0.514582717	0.606844645	0.999371363	Not Sig
ENSG00000198911	SREBF2	sterol regulatory element binding transcription factor 2	6721	4755.133728	-0.307452971	0.502845776	-0.61142598	0.540917608	0.999371363	Not Sig
ENSG00000163939	PBRM1	polybromo 1	55193	3138.6096	-0.307445199	0.578083503	-0.531835276	0.594840088	0.999371363	Not Sig
ENSG00000135838	NPL	N-acetylneuraminate pyruvate lyase	80896	651.3503218	-0.307291136	0.710982153	-0.432206539	0.665591307	0.999371363	Not Sig
ENSG00000257663	NA	NA	NA	2.801455485	-0.306868785	1.450432218	-0.21157058	0.832442064	NA	NA
ENSG00000103202	NME4	NME/NM23 nucleoside diphosphate kinase 4	4833	730.8100061	-0.306781718	0.539201172	-0.568955955	0.569386031	0.999371363	Not Sig
ENSG00000164930	FZD6	frizzled class receptor 6	8323	860.1727917	-0.306742717	0.478208271	-0.64144168	0.521235761	0.999371363	Not Sig
ENSG00000144891	AGTR1	angiotensin II receptor type 1	185	61.45644164	-0.306554083	0.800940845	-0.382742476	0.701910717	0.999371363	Not Sig
ENSG00000216077	MIR887	microRNA 887	100126347	2.352970486	-0.306499005	1.558558937	-0.196655383	0.844097227	NA	NA
ENSG00000175730	NA	NA	NA	31.66021225	-0.306496405	0.682124236	-0.449326367	0.65319624	0.999371363	Not Sig
ENSG00000181790	ADGRB1	adhesion G protein-coupled receptor B1	575	107.3904643	-0.306068712	0.689601732	-0.443834024	0.657162587	0.999371363	Not Sig
ENSG00000240718	NA	NA	NA	8.80286863	-0.306001442	1.003822278	-0.304836272	0.760490854	0.999371363	Not Sig
ENSG00000145020	AMT	aminomethyltransferase	275	239.7415636	-0.305826318	0.46116949	-0.66315384	0.507232032	0.999371363	Not Sig
ENSG00000167840	ZNF232	zinc finger protein 232	7775	148.1683323	-0.305565545	0.465636271	-0.656232267	0.511674691	0.999371363	Not Sig
ENSG00000213971	NA	NA	NA	224.7081815	-0.305471707	0.50322941	-0.607022764	0.543835805	0.999371363	Not Sig
ENSG00000257923	CUX1	cut like homeobox 1	1523	4350.943739	-0.305428975	0.4689851	-0.651255179	0.514881776	0.999371363	Not Sig
ENSG00000183657	NA	NA	NA	59.49432702	-0.305333006	0.687048555	-0.444412559	0.656744335	0.999371363	Not Sig
ENSG00000236493	NA	NA	NA	7.654296976	-0.305312344	1.094454081	-0.278963137	0.780273114	0.999371363	Not Sig
ENSG00000132313	MRPL35	mitochondrial ribosomal protein L35	51318	330.6299049	-0.305268701	0.514910498	-0.592857792	0.553276327	0.999371363	Not Sig
ENSG00000157110	RBPMS	RNA binding protein with multiple splicing	11030	2784.832849	-0.305175893	0.641116571	-0.476006871	0.634069483	0.999371363	Not Sig
ENSG00000063046	EIF4B	eukaryotic translation initiation factor 4B	1975	9344.318921	-0.305159066	0.457071181	-0.667640137	0.504363331	0.999371363	Not Sig
ENSG00000262533	NA	NA	NA	11.43638846	-0.305116408	0.820311516	-0.371951876	0.70992868	0.999371363	Not Sig
ENSG00000051825	MPHOSPH9	M-phase phosphoprotein 9	10198	651.4364526	-0.305095887	0.663321242	-0.459951933	0.645550723	0.999371363	Not Sig
ENSG00000171497	PPID	peptidylprolyl isomerase D	5481	402.098262	-0.305083568	0.512936594	-0.594778325	0.551991658	0.999371363	Not Sig

ENSG00000214719	NA	NA	NA	11.74437209	-0.304928282	0.827853023	-0.368336255	0.712622522	0.999371363	Not Sig
ENSG00000117407	ARTN	artemin	9048	38.71165556	-0.304902284	0.704619314	-0.432719169	0.665218802	0.999371363	Not Sig
ENSG00000252629	NA	NA	NA	4.529952174	-0.304863182	1.47615791	-0.206524776	0.836381013	NA	NA
ENSG00000271913	NA	NA	NA	17.00601093	-0.304852327	0.88571315	-0.344188552	0.730704491	0.999371363	Not Sig
ENSG00000176261	ZBTB80S	zinc finger and BTB domain containing 8 opposite strand	339487	370.5039688	-0.304832779	0.555594932	-0.548660114	0.583238723	0.999371363	Not Sig
ENSG00000201821	NA	NA	NA	7.578485919	-0.304821539	1.012402487	-0.301087308	0.763347919	0.999371363	Not Sig
ENSG00000132153	DHX30	DEXH-box helicase 30	22907	1837.545217	-0.304811025	0.466364123	-0.65359021	0.513375853	0.999371363	Not Sig
ENSG00000120686	UFM1	ubiquitin fold modifier 1	51569	1661.613488	-0.304632953	0.601024115	-0.506856457	0.612255554	0.999371363	Not Sig
ENSG00000128438	NA	NA	NA	15.85424979	-0.304604063	1.112353393	-0.273837492	0.78420951	0.999371363	Not Sig
ENSG00000075914	EXOSC7	exosome component 7	23016	460.529563	-0.304482954	0.416675383	-0.730743802	0.464935655	0.999371363	Not Sig
ENSG00000207821	MIR640	microRNA 640	693225	9.332926925	-0.304415027	0.919277183	-0.33114607	0.740534154	0.999371363	Not Sig
ENSG00000272914	NA	NA	NA	11.47618168	-0.304359036	0.914608371	-0.332775258	0.739303936	0.999371363	Not Sig
ENSG00000103037	SETD6	SET domain containing 6	79918	278.3129228	-0.30435409	0.452573345	-0.67249672	0.501267528	0.999371363	Not Sig
ENSG00000157869	RAB28	RAB28, member RAS oncogene family	9364	423.3750926	-0.304089479	0.425825799	-0.714117086	0.475154781	0.999371363	Not Sig
ENSG00000198182	ZNF607	zinc finger protein 607	84775	189.1732141	-0.30386952	0.496888672	-0.61154447	0.540839187	0.999371363	Not Sig
ENSG00000179299	NSUN7	NOP2/Sun RNA methyltransferase family member 7	79730	452.4091904	-0.303723652	0.636398453	-0.477253914	0.633181324	0.999371363	Not Sig
ENSG00000163687	DNASE1L3	deoxyribonuclease 1 like 3	1776	46.39837385	-0.303683785	0.991107399	-0.306408554	0.759293596	0.999371363	Not Sig
ENSG00000234518	NA	NA	NA	45.8549985	-0.303626568	0.650853174	-0.466505473	0.640853731	0.999371363	Not Sig
ENSG00000114698	PLSCR4	phospholipid scramblase 4	57088	896.3524211	-0.303618122	0.520249879	-0.583600563	0.559489081	0.999371363	Not Sig
ENSG00000166822	TMEM170A	transmembrane protein 170A	124491	589.965902	-0.303202874	0.533859598	-0.56794497	0.570072335	0.999371363	Not Sig
ENSG00000178460	MCMDC2	minichromosome maintenance domain containing 2	157777	32.0006325	-0.302837761	1.044763757	-0.289862429	0.771921485	0.999371363	Not Sig
ENSG00000040199	PHLPP2	PH domain and leucine rich repeat protein phosphatase 2	23035	415.1090477	-0.302765942	0.511262642	-0.592192578	0.553721639	0.999371363	Not Sig
ENSG00000156983	BRPF1	bromodomain and PHD finger containing 1	7862	775.5383655	-0.302541699	0.510196876	-0.592990104	0.553187775	0.999371363	Not Sig
ENSG00000253710	ALG11	ALG11, alpha-1,2-mannosyltransferase	440138	252.0860818	-0.302423346	0.543127736	-0.556818086	0.577651725	0.999371363	Not Sig
ENSG00000172748	ZNF596	zinc finger protein 596	169270	113.6473699	-0.302308317	0.635634039	-0.475601208	0.634358514	0.999371363	Not Sig
ENSG00000103111	MON1B	MON1 homolog B, secretory trafficking associated	22879	1314.430344	-0.302299582	0.445169433	-0.67906635	0.497095823	0.999371363	Not Sig
ENSG00000203260	NA	NA	NA	7.076652224	-0.302273806	1.109054428	-0.272550921	0.785198443	0.999371363	Not Sig
ENSG00000188747	NOXA1	NADPH oxidase activator 1	10811	488.4357404	-0.302256478	0.623037484	-0.485133696	0.627581511	0.999371363	Not Sig
ENSG00000135213	NA	NA	NA	1426.776622	-0.3022396	0.457991073	-0.659924652	0.509302183	0.999371363	Not Sig
ENSG00000143199	ADCY10	adenylate cyclase 10	55811	12.39787303	-0.302053423	0.836149873	-0.361243161	0.71791768	0.999371363	Not Sig
ENSG00000213830	NA	NA	NA	28.4555415	-0.301722771	0.651719619	-0.462964075	0.643390118	0.999371363	Not Sig
ENSG00000106459	NRF1	nuclear respiratory factor 1	4899	498.7077107	-0.30169061	0.423596328	-0.712212524	0.476333183	0.999371363	Not Sig
ENSG00000186020	ZNF529	zinc finger protein 529	57711	359.7498819	-0.301561756	0.486589874	-0.619745235	0.53542553	0.999371363	Not Sig
ENSG00000107077	KDM4C	lysine demethylase 4C	23081	1225.419295	-0.30140607	0.448567083	-0.671930869	0.501627707	0.999371363	Not Sig
ENSG00000161570	NA	NA	NA	533.1576742	-0.301294754	0.882177615	-0.341535252	0.732700671	0.999371363	Not Sig

ENSG00000111615	KRR1	KRR1, small subunit processome component homolog	11103	871.4868107	-0.301129909	0.547758818	-0.549749086	0.582491484	0.999371363	Not Sig
ENSG00000115361	ACADL	acyl-CoA dehydrogenase long chain	33	246.3179678	-0.301128813	0.844079494	-0.356754092	0.721275907	0.999371363	Not Sig
ENSG00000267855	NDUFA7	NADH:ubiquinone oxidoreductase subunit A7	4701	14.90444186	-0.301064737	0.782215222	-0.384887341	0.700320885	0.999371363	Not Sig
ENSG00000252206	NA	NA	NA	10.07880049	-0.300888772	0.842206216	-0.357262587	0.720895235	0.999371363	Not Sig
ENSG00000115392	FANCL	Fanconi anemia complementation group L	55120	393.4160356	-0.300681434	0.667122462	-0.450714001	0.65219569	0.999371363	Not Sig
ENSG00000139343	SNRPF	small nuclear ribonucleoprotein polypeptide F	6636	283.8768268	-0.300639937	0.587293882	-0.51190715	0.608715994	0.999371363	Not Sig
ENSG00000258626	NA	NA	NA	5.57872205	-0.30035546	1.157852566	-0.259407345	0.795320963	NA	NA
ENSG00000131116	ZNF428	zinc finger protein 428	126299	423.7232416	-0.300214982	0.597465888	-0.502480539	0.615329538	0.999371363	Not Sig
ENSG00000155329	ZCCHC10	zinc finger CCHC-type containing 10	54819	240.4195619	-0.300179431	0.610346959	-0.491817689	0.622848231	0.999371363	Not Sig
ENSG00000151233	GXYLT1	glucoside xylosyltransferase 1	283464	710.4868606	-0.300043583	0.53205827	-0.56392993	0.57280182	0.999371363	Not Sig
ENSG00000179021	C3orf38	chromosome 3 open reading frame 38	285237	457.1757691	-0.299943031	0.498602581	-0.601567344	0.547462172	0.999371363	Not Sig
ENSG00000138668	HNRNPD	heterogeneous nuclear ribonucleoprotein D	3184	3075.26332	-0.29992567	0.552699719	-0.542655731	0.587366859	0.999371363	Not Sig
ENSG00000156265	MAP3K7CL	MAP3K7 C-terminal like	56911	145.7215435	-0.299863452	0.478117643	-0.627175041	0.530544502	0.999371363	Not Sig
ENSG00000125676	THOC2	THO complex 2	57187	2826.172758	-0.299741381	0.595989824	-0.502930367	0.61501323	0.999371363	Not Sig
ENSG00000160746	ANO10	anoctamin 10	55129	495.5336447	-0.299727718	0.534646633	-0.560609007	0.57506411	0.999371363	Not Sig
ENSG00000131732	ZCCHC9	zinc finger CCHC-type containing 9	84240	343.5396153	-0.29967324	0.523850828	-0.572058349	0.567282445	0.999371363	Not Sig
ENSG00000139697	SBNO1	strawberry notch homolog 1	55206	2252.403326	-0.299642652	0.484286821	-0.618729727	0.536094423	0.999371363	Not Sig
ENSG00000169679	BUB1	BUB1 mitotic checkpoint serine/threonine kinase	699	210.3519373	-0.299531296	0.861611779	-0.34764067	0.728110059	0.999371363	Not Sig
ENSG00000184220	CMSS1	cms1 ribosomal small subunit homolog (yeast)	84319	197.1638607	-0.299304165	0.463782537	-0.645354538	0.518697457	0.999371363	Not Sig
ENSG00000228315	GUSBP11	glucuronidase, beta pseudogene 11	91316	8.488608649	-0.299271003	1.087101008	-0.275292728	0.783091351	0.999371363	Not Sig
ENSG00000224777	NA	NA	NA	0.752183855	-0.299100457	3.343456887	-0.089458446	0.928717576	NA	NA
ENSG00000250848	NA	NA	NA	0.752183855	-0.299100457	3.343456887	-0.089458446	0.928717576	NA	NA
ENSG00000249437	NAIP	NLR family apoptosis inhibitory protein	4671	167.5920711	-0.298984683	0.646225428	-0.462663136	0.643605846	0.999371363	Not Sig
ENSG00000235138	LOC100130548	uncharacterized LOC100130548	100130548	0.675215684	-0.298821015	3.429250311	-0.087138875	0.930561125	NA	NA
ENSG00000242696	NA	NA	NA	0.675215684	-0.298821015	3.429250311	-0.087138875	0.930561125	NA	NA
ENSG00000250471	NA	NA	NA	0.675215684	-0.298821015	3.429250311	-0.087138875	0.930561125	NA	NA
ENSG00000211856	NA	NA	NA	5.463272487	-0.298604615	1.469483701	-0.203203761	0.838975773	NA	NA
ENSG00000104219	ZDHHC2	zinc finger DHHC-type containing 2	51201	1209.731375	-0.298574328	0.618824366	-0.48248638	0.629460472	0.999371363	Not Sig
ENSG00000121075	TBX4	T-box 4	9496	914.5449255	-0.298533381	0.950885476	-0.313953034	0.75355671	0.999371363	Not Sig
ENSG00000196313	POM121	POM121 transmembrane nucleoporin	9883	1652.671684	-0.298495024	0.464721473	-0.642309515	0.520672238	0.999371363	Not Sig
ENSG00000268034	NA	NA	NA	3.453926842	-0.298471752	1.361805144	-0.219173612	0.826514811	NA	NA
ENSG00000235683	NA	NA	NA	30.48593348	-0.298327122	0.71971956	-0.414504675	0.678504544	0.999371363	Not Sig
ENSG00000136942	RPL35	ribosomal protein L35	11224	3748.683633	-0.298051032	0.43399516	-0.686761187	0.492233232	0.999371363	Not Sig
ENSG00000135926	TMBIM1	transmembrane BAX inhibitor motif containing 1	64114	3634.497303	-0.297932807	0.532805711	-0.559177203	0.57604079	0.999371363	Not Sig
ENSG00000136045	PWP1	PWP1 homolog, endonuclein	11137	611.9754538	-0.297867891	0.486277656	-0.612546941	0.540175951	0.999371363	Not Sig

ENSG00000118707	TGIF2	TGFB induced factor homeobox 2	60436	499.5617957	-0.297817486	0.393778281	-0.756307546	0.449464825	0.999371363	Not Sig
ENSG00000260879	NA	NA	NA	14.96829097	-0.297737015	0.862883069	-0.345049087	0.730057468	0.999371363	Not Sig
ENSG00000070423	RNF126	ring finger protein 126	55658	685.029891	-0.297451395	0.518927128	-0.573204559	0.566506198	0.999371363	Not Sig
ENSG00000151240	DIP2C	disco interacting protein 2 homolog C	22982	1220.584491	-0.297278767	0.540612548	-0.549892467	0.582393131	0.999371363	Not Sig
ENSG00000128891	CCDC32	coiled-coil domain containing 32	90416	527.37814	-0.297204506	0.435828146	-0.681930501	0.495282898	0.999371363	Not Sig
ENSG00000206549	NA	NA	NA	12.63132487	-0.297056013	1.173092805	-0.253224648	0.800094621	0.999371363	Not Sig
ENSG00000183647	ZNF530	zinc finger protein 530	348327	73.12127583	-0.296995579	0.516077658	-0.575486216	0.56496251	0.999371363	Not Sig
ENSG00000167565	SERTAD3	SERTA domain containing 3	29946	501.3463961	-0.296986813	0.443396248	-0.669800014	0.502985285	0.999371363	Not Sig
ENSG00000183495	EP400	E1A binding protein p400	57634	3367.605641	-0.296982955	0.406586908	-0.730429213	0.465127867	0.999371363	Not Sig
ENSG00000198680	TUSC1	tumor suppressor candidate 1	286319	232.624842	-0.296899122	0.759710426	-0.390805644	0.695940903	0.999371363	Not Sig
ENSG00000259953	NA	NA	NA	148.7114882	-0.296891669	0.525743836	-0.564707845	0.572272497	0.999371363	Not Sig
ENSG00000204387	C6orf48	chromosome 6 open reading frame 48	50854	947.1446083	-0.296807133	0.532175085	-0.557724593	0.577032461	0.999371363	Not Sig
ENSG00000073849	ST6GAL1	ST6 beta-galactoside alpha-2,6-sialyltransferase 1	6480	2919.127641	-0.296806962	0.68746875	-0.431738843	0.665931233	0.999371363	Not Sig
ENSG00000252992	NA	NA	NA	2.936483329	-0.296780785	1.461380716	-0.203082456	0.839070584	NA	NA
ENSG00000265681	RPL17	ribosomal protein L17	6139	189.6533943	-0.296727482	0.590368188	-0.50261428	0.615235487	0.999371363	Not Sig
ENSG00000182196	ARL6IP4	ADP ribosylation factor like GTPase 6 interacting protein 4	51329	15.43948772	-0.296674189	0.896047743	-0.331091944	0.740575036	0.999371363	Not Sig
ENSG00000171150	SOCS5	suppressor of cytokine signaling 5	9655	899.2211912	-0.29655635	0.421371551	-0.703788258	0.481564647	0.999371363	Not Sig
ENSG00000181090	EHMT1	euchromatic histone lysine methyltransferase 1	79813	2117.291169	-0.296549981	0.453925392	-0.653301151	0.513562151	0.999371363	Not Sig
ENSG00000081154	PCNP	PEST proteolytic signal containing nuclear protein	57092	1665.965532	-0.296475873	0.598992174	-0.494957841	0.62062988	0.999371363	Not Sig
ENSG00000178700	DHFR2	dihydrofolate reductase 2	200895	234.2532369	-0.296447983	0.465080087	-0.637412763	0.523856017	0.999371363	Not Sig
ENSG00000269997	NA	NA	NA	54.4563595	-0.2962828	0.633235019	-0.467887579	0.639864987	0.999371363	Not Sig
ENSG00000140153	WDR20	WD repeat domain 20	91833	665.7933879	-0.296089366	0.433432929	-0.683126144	0.494527136	0.999371363	Not Sig
ENSG00000138802	SEC24B	SEC24 homolog B, COPII coat complex component	10427	1506.264438	-0.295972456	0.536792618	-0.551372068	0.581378645	0.999371363	Not Sig
ENSG00000137218	FRS3	fibroblast growth factor receptor substrate 3	10817	146.3412262	-0.295822396	0.550524225	-0.537346737	0.591028128	0.999371363	Not Sig
ENSG00000180957	PITPNB	phosphatidylinositol transfer protein beta	23760	600.3822113	-0.295731571	0.530148011	-0.557828314	0.576961626	0.999371363	Not Sig
ENSG00000108641	B9D1	B9 domain containing 1	27077	213.1471345	-0.295610151	0.462273604	-0.639470107	0.522517154	0.999371363	Not Sig
ENSG00000143079	CTTNBP2NL	CTTNBP2 N-terminal like	55917	1408.613352	-0.295584268	0.52521128	-0.562791165	0.573577097	0.999371363	Not Sig
ENSG00000269353	NA	NA	NA	28.0464574	-0.295496296	1.228858663	-0.240464022	0.809970552	0.999371363	Not Sig
ENSG00000237539	NA	NA	NA	0.646033822	-0.295454349	3.466086889	-0.085241472	0.93206942	NA	NA
ENSG00000264984	MIR5691	microRNA 5691	100847015	0.646033822	-0.295454349	3.466086889	-0.085241472	0.93206942	NA	NA
ENSG00000265230	NA	NA	NA	0.646033822	-0.295454349	3.466086889	-0.085241472	0.93206942	NA	NA
ENSG00000265422	MIR4684	microRNA 4684	100616391	0.646033822	-0.295454349	3.466086889	-0.085241472	0.93206942	NA	NA
ENSG00000266975	NA	NA	NA	0.646033822	-0.295454349	3.466086889	-0.085241472	0.93206942	NA	NA
ENSG00000264620	NA	NA	NA	3.924852116	-0.295439964	1.218231315	-0.24251549	0.808380756	NA	NA
ENSG00000147614	ATP6VOD2	ATPase H+ transporting VO subunit d2	245972	74.56687364	-0.295426417	1.073494592	-0.275200657	0.783162082	0.999371363	Not Sig

ENSG00000182836	PLCXD3	phosphatidylinositol specific phospholipase C X domain containing 3	345557	67.2367053	-0.295412144	1.15224888	-0.256378764	0.797658384	0.999371363	Not Sig
ENSG00000186446	ZNF501	zinc finger protein 501	115560	107.2026338	-0.295398814	0.52745002	-0.560050816	0.575444777	0.999371363	Not Sig
ENSG00000198218	QRICH1	glutamine rich 1	54870	1674.472804	-0.295287163	0.434148453	-0.680152516	0.496407895	0.999371363	Not Sig
ENSG00000176401	EID2B	EP300 interacting inhibitor of differentiation 2B	126272	39.66416293	-0.295231848	0.693662754	-0.425612946	0.670389905	0.999371363	Not Sig
ENSG00000207133	SNORD116-7	small nucleolar RNA, C/D box 116-7	100033419	8.584424183	-0.294824912	0.885198678	-0.333060724	0.739088446	0.999371363	Not Sig
ENSG00000175600	SUGCT	succinyl-CoA:glutarate-CoA transferase	79783	59.43386885	-0.29472605	0.816318974	-0.361042753	0.718067487	0.999371363	Not Sig
ENSG00000207737	MIR181B2	microRNA 181b-2	406956	3.58251715	-0.29463926	1.300070585	-0.226633279	0.820708912	NA	NA
ENSG00000220981	NA	NA	NA	9.583066337	-0.294532661	0.912788716	-0.322673425	0.74694258	0.999371363	Not Sig
ENSG00000100749	VRK1	vaccinia related kinase 1	7443	198.0630253	-0.294406959	0.527797985	-0.557802354	0.576979355	0.999371363	Not Sig
ENSG00000111581	NUP107	nucleoporin 107	57122	726.7824224	-0.294379744	0.486721879	-0.604821269	0.54529776	0.999371363	Not Sig
ENSG00000035664	DAPK2	death associated protein kinase 2	23604	827.3357009	-0.294336882	0.882027236	-0.333704981	0.738602191	0.999371363	Not Sig
ENSG00000264678	MIR3140	microRNA 3140	100422896	21.71369254	-0.294230476	1.043097071	-0.282073916	0.777886833	0.999371363	Not Sig
ENSG00000048405	ZNF800	zinc finger protein 800	168850	1168.48838	-0.294059581	0.469431445	-0.626416454	0.53104182	0.999371363	Not Sig
ENSG00000180855	ZNF443	zinc finger protein 443	10224	101.6291465	-0.294009225	0.482750758	-0.609029027	0.542505199	0.999371363	Not Sig
ENSG00000145241	CENPC	centromere protein C	1060	984.3655098	-0.293974141	0.58875395	-0.499315785	0.617556936	0.999371363	Not Sig
ENSG00000232437	NA	NA	NA	8.408640339	-0.293963658	0.950758567	-0.309188545	0.757178107	0.999371363	Not Sig
ENSG00000272599	NA	NA	NA	28.02254433	-0.293848916	0.723120234	-0.406362458	0.6844763	0.999371363	Not Sig
ENSG00000163517	HDAC11	histone deacetylase 11	79885	450.2937507	-0.293809206	0.503531646	-0.583497003	0.559558774	0.999371363	Not Sig
ENSG00000075568	TMEM131	transmembrane protein 131	23505	2823.810352	-0.293525688	0.507604096	-0.57825713	0.563090533	0.999371363	Not Sig
ENSG00000124786	SLC35B3	solute carrier family 35 member B3	51000	467.935155	-0.293422253	0.566146585	-0.518280138	0.604262829	0.999371363	Not Sig
ENSG00000146067	FAM193B	family with sequence similarity 193 member B	54540	1260.815519	-0.293312815	0.564076335	-0.519987805	0.603072075	0.999371363	Not Sig
ENSG00000186184	POLR1D	RNA polymerase I subunit D	51082	1046.696489	-0.293269015	0.523475759	-0.560234185	0.575319713	0.999371363	Not Sig
ENSG00000067177	PHKA1	phosphorylase kinase regulatory subunit alpha 1	5255	506.370838	-0.293079318	0.664111859	-0.44131017	0.658988464	0.999371363	Not Sig
ENSG00000122729	ACO1	aconitase 1	48	1354.481244	-0.293061447	0.453359024	-0.646422442	0.518005811	0.999371363	Not Sig
ENSG00000259162	NA	NA	NA	3.969543329	-0.292938707	1.979219332	-0.148007198	0.882337088	NA	NA
ENSG00000227671	NA	NA	NA	827.4010894	-0.292847014	0.595284271	-0.49194482	0.622758352	0.999371363	Not Sig
ENSG00000254469	NA	NA	NA	160.6338278	-0.292806513	0.531795314	-0.550600025	0.581907892	0.999371363	Not Sig
ENSG00000105619	TFPT	TCF3 fusion partner	29844	192.8154072	-0.292594559	0.589860805	-0.49604001	0.619866183	0.999371363	Not Sig
ENSG00000101574	METTL4	methyltransferase like 4	64863	272.6612972	-0.292510283	0.526009344	-0.556093321	0.57814706	0.999371363	Not Sig
ENSG00000148700	ADD3	adducin 3	120	1749.557365	-0.292485064	0.451908661	-0.647221638	0.517488509	0.999371363	Not Sig
ENSG00000125971	DYNLRB1	dynein light chain roadblock-type 1	83658	914.5821829	-0.292330242	0.397083634	-0.736193128	0.461613174	0.999371363	Not Sig
ENSG00000205940	NA	NA	NA	2.37069468	-0.292306886	1.640881525	-0.178140153	0.858612909	NA	NA
ENSG00000107872	FBXL15	F-box and leucine rich repeat protein 15	79176	328.5520245	-0.292260146	0.73621158	-0.396978469	0.691383338	0.999371363	Not Sig
ENSG00000004975	DVL2	dishevelled segment polarity protein 2	1856	731.6307821	-0.292208192	0.41873963	-0.69782789	0.485284835	0.999371363	Not Sig
ENSG00000141480	ARRB2	arrestin beta 2	409	1403.934624	-0.292152129	0.708096961	-0.412587745	0.679908681	0.999371363	Not Sig

ENSG00000186354	C9orf47	chromosome 9 open reading frame 47	286223	37.58973587	-0.292119367	0.62813565	-0.465057774	0.641890084	0.999371363	Not Sig
ENSG00000154370	TRIM11	tripartite motif containing 11	81559	809.8796829	-0.29202481	0.543908574	-0.536900545	0.591336315	0.999371363	Not Sig
ENSG00000141425	RPRD1A	regulation of nuclear pre-mRNA domain containing 1A	55197	1151.712528	-0.292003537	0.542918752	-0.537840212	0.590687368	0.999371363	Not Sig
ENSG00000224975	INE1	inactivation escape 1 (non-protein coding)	8552	61.39977298	-0.291990502	0.697809754	-0.41843855	0.675626506	0.999371363	Not Sig
ENSG00000184508	HDDC3	HD domain containing 3	374659	179.921992	-0.291705087	0.540624213	-0.539570889	0.589492997	0.999371363	Not Sig
ENSG00000127511	SIN3B	SIN3 transcription regulator family member B	23309	1630.396293	-0.291407008	0.562323977	-0.51821907	0.604305431	0.999371363	Not Sig
ENSG00000166165	CKB	creatine kinase B	1152	1721.173067	-0.291262928	0.578782867	-0.5032335	0.614800114	0.999371363	Not Sig
ENSG00000104904	OAZ1	ornithine decarboxylase antizyme 1	4946	5714.169272	-0.291244414	0.663470268	-0.438971312	0.660682324	0.999371363	Not Sig
ENSG00000170390	DCLK2	doublecortin like kinase 2	166614	214.8089224	-0.29123223	0.563813338	-0.516540157	0.6054772	0.999371363	Not Sig
ENSG00000163016	ALMS1P1	ALMS1, centrosome and basal body associated protein pseudogene 1	200420	11.04987639	-0.290970095	1.281893809	-0.226984555	0.820435752	0.999371363	Not Sig
ENSG00000204611	ZNF616	zinc finger protein 616	90317	312.1344551	-0.290969381	0.539924501	-0.538907533	0.589950659	0.999371363	Not Sig
ENSG00000153561	RMND5A	required for meiotic nuclear division 5 homolog A	64795	1790.479724	-0.290939707	0.421919601	-0.689561961	0.490469696	0.999371363	Not Sig
ENSG00000152242	C18orf25	chromosome 18 open reading frame 25	147339	883.0370601	-0.290766855	0.47496632	-0.612184155	0.540415924	0.999371363	Not Sig
ENSG00000198858	R3HDM4	R3H domain containing 4	91300	978.677025	-0.290676894	0.4055256	-0.716790492	0.473503379	0.999371363	Not Sig
ENSG00000112234	FBXL4	F-box and leucine rich repeat protein 4	26235	1015.617972	-0.290408032	0.566789772	-0.512373452	0.608389667	0.999371363	Not Sig
ENSG00000105419	MEIS3	Meis homeobox 3	56917	133.3310125	-0.29035272	0.620090241	-0.468242686	0.639611105	0.999371363	Not Sig
ENSG00000230408	LOC101927795	uncharacterized LOC101927795	101927795	1.967283327	-0.290318037	1.843340236	-0.157495633	0.874854249	NA	NA
ENSG00000229644	NA	NA	NA	8.374609353	-0.290245627	0.979370223	-0.296359457	0.766955584	0.999371363	Not Sig
ENSG00000211456	SACMIL	SAC1 like phosphatidylinositide phosphatase	22908	1424.86178	-0.290234436	0.547834865	-0.52978453	0.596261332	0.999371363	Not Sig
ENSG00000260549	MT1L	metallothionein 1L, pseudogene	4500	56.690128	-0.290129378	0.624114794	-0.464865408	0.642027844	0.999371363	Not Sig
ENSG00000231344	NA	NA	NA	6.141195448	-0.29006369	1.049314515	-0.276431599	0.782216589	NA	NA
ENSG00000058866	DGKG	diacylglycerol kinase gamma	1608	226.6933581	-0.290029493	1.009895987	-0.28718749	0.773968765	0.999371363	Not Sig
ENSG00000177084	POLE	DNA polymerase epsilon, catalytic subunit	5426	1071.535239	-0.289991423	0.52148971	-0.556082732	0.578154299	0.999371363	Not Sig
ENSG00000162836	ACP6	acid phosphatase 6, lysophosphatidic	51205	669.5036137	-0.289935439	0.687223951	-0.421893676	0.673102626	0.999371363	Not Sig
ENSG00000235843	NA	NA	NA	4.607662449	-0.289924774	1.632985756	-0.177542745	0.859082093	NA	NA
ENSG00000104213	PDGFRL	platelet derived growth factor receptor like	5157	130.2468686	-0.289488948	0.852106103	-0.339733452	0.734057267	0.999371363	Not Sig
ENSG00000267655	NA	NA	NA	16.54284207	-0.289079198	0.851625205	-0.339444155	0.73427516	0.999371363	Not Sig
ENSG00000264584	NA	NA	NA	72.81221765	-0.289059599	0.630455369	-0.458493358	0.646598033	0.999371363	Not Sig
ENSG00000219626	FAM228B	family with sequence similarity 228 member B	375190	188.3352818	-0.288781385	0.475419869	-0.607423888	0.54356964	0.999371363	Not Sig
ENSG00000106244	PDAP1	PDGFA associated protein 1	11333	1398.16839	-0.288741697	0.466431309	-0.619044416	0.535887099	0.999371363	Not Sig
ENSG00000059588	TARBP1	TAR (HIV-1) RNA binding protein 1	6894	1859.285593	-0.288699932	0.672197248	-0.42948693	0.667568904	0.999371363	Not Sig
ENSG00000126249	PDCD2L	programmed cell death 2 like	84306	39.7820294	-0.288618279	0.607522326	-0.475074358	0.634733975	0.999371363	Not Sig
ENSG00000104695	PPP2CB	protein phosphatase 2 catalytic subunit beta	5516	1445.649673	-0.28860176	0.665081688	-0.433934305	0.664336148	0.999371363	Not Sig
ENSG00000047056	WDR37	WD repeat domain 37	22884	686.6628621	-0.288582565	0.424209058	-0.680283836	0.496324757	0.999371363	Not Sig
ENSG00000256660	CLEC12B	C-type lectin domain family 12 member B	387837	13.15807732	-0.288580967	0.877688406	-0.328796603	0.742309431	0.999371363	Not Sig

ENSG00000164035	EMCN	endomucin	51705	412.077062	-0.28852504	0.898400057	-0.321154299	0.748093463	0.999371363	Not Sig
ENSG00000106245	BUD31	BUD31 homolog	8896	580.004559	-0.288326652	0.46443944	-0.620805701	0.534727472	0.999371363	Not Sig
ENSG00000230149	NA	NA	NA	18.59742778	-0.288245944	0.819843987	-0.351586337	0.725148513	0.999371363	Not Sig
ENSG00000272389	NA	NA	NA	3.315578234	-0.288174065	1.366055811	-0.210953361	0.832923665	NA	NA
ENSG00000227032	NA	NA	NA	15.45382462	-0.287900728	0.874311261	-0.329288597	0.741937563	0.999371363	Not Sig
ENSG00000170946	DNAJC24	DnaJ heat shock protein family (Hsp40) member C24	120526	261.3843309	-0.287738919	0.606531948	-0.474400268	0.635214502	0.999371363	Not Sig
ENSG00000239581	NA	NA	NA	21.37114281	-0.287625071	0.881106538	-0.326436202	0.744094351	0.999371363	Not Sig
ENSG00000197980	LEKR1	leucine, glutamate and lysine rich 1	389170	73.23047512	-0.287402781	0.612778413	-0.469015837	0.639058316	0.999371363	Not Sig
ENSG00000148362	PAXX	PAXX, non-homologous end joining factor	286257	450.0539127	-0.287349884	0.659972281	-0.435396898	0.663274361	0.999371363	Not Sig
ENSG00000223006	NA	NA	NA	29.31628021	-0.287142027	0.929395356	-0.308955737	0.757355197	0.999371363	Not Sig
ENSG00000272638	NA	NA	NA	13.78812135	-0.287105233	0.920030515	-0.312060554	0.754994504	0.999371363	Not Sig
ENSG00000138050	THUMP2	THUMP domain containing 2	80745	304.0600725	-0.287099606	0.54822951	-0.523685063	0.600497606	0.999371363	Not Sig
ENSG00000205537	NA	NA	NA	1.751706259	-0.287040341	2.146863769	-0.133702168	0.89363809	NA	NA
ENSG00000106610	STAG3L4	stromal antigen 3-like 4 (pseudogene)	64940	228.8230368	-0.287019678	0.555311763	-0.516862234	0.605252333	0.999371363	Not Sig
ENSG00000237214	NA	NA	NA	5.046676627	-0.286997969	1.117595575	-0.256799486	0.797333567	NA	NA
ENSG00000144677	CTDSPL	CTD small phosphatase like	10217	1605.790577	-0.286880241	0.446631341	-0.642319995	0.520665434	0.999371363	Not Sig
ENSG00000133606	MKRN1	makorin ring finger protein 1	23608	2013.191941	-0.286617988	0.401489733	-0.713886221	0.475297538	0.999371363	Not Sig
ENSG00000224997	NA	NA	NA	27.79192773	-0.286609717	1.009798792	-0.28382854	0.776541782	0.999371363	Not Sig
ENSG00000099256	PRTFDC1	phosphoribosyl transferase domain containing 1	56952	128.2850686	-0.286444239	0.631063399	-0.453907229	0.649895601	0.999371363	Not Sig
ENSG00000123106	CCDC91	coiled-coil domain containing 91	55297	736.1657682	-0.286424767	0.571086526	-0.501543556	0.615988632	0.999371363	Not Sig
ENSG00000202125	NA	NA	NA	10.03487306	-0.286423927	0.852243415	-0.336082299	0.736808806	0.999371363	Not Sig
ENSG00000005075	POLR2J	RNA polymerase II subunit J	5439	333.8735197	-0.286394433	0.459299202	-0.623546549	0.532925423	0.999371363	Not Sig
ENSG00000003509	NDUFAF7	NADH:ubiquinone oxidoreductase complex assembly factor 7	55471	317.3143297	-0.286365866	0.515874579	-0.555107535	0.578821109	0.999371363	Not Sig
ENSG00000083844	ZNF264	zinc finger protein 264	9422	777.4411942	-0.2863501	0.452521221	-0.632788224	0.526871948	0.999371363	Not Sig
ENSG00000151093	OXSM	3-oxoacyl-ACP synthase, mitochondrial	54995	114.1868987	-0.286304962	0.481165967	-0.595023301	0.551827896	0.999371363	Not Sig
ENSG00000077097	TOP2B	DNA topoisomerase II beta	7155	4513.103751	-0.286254686	0.526531212	-0.543661381	0.586674512	0.999371363	Not Sig
ENSG00000185485	SDHAP1	succinate dehydrogenase complex flavoprotein subunit A pseudogene 1	255812	622.8510368	-0.286192905	0.494982651	-0.578187749	0.563137369	0.999371363	Not Sig
ENSG00000271895	NA	NA	NA	66.32168057	-0.285919909	0.591087983	-0.483718021	0.628586002	0.999371363	Not Sig
ENSG00000136319	TTC5	tetratricopeptide repeat domain 5	91875	474.0001148	-0.285811792	0.474503483	-0.602338661	0.546948731	0.999371363	Not Sig
ENSG00000249915	PDCD6	programmed cell death 6	10016	1375.236869	-0.285577327	0.48268398	-0.591644511	0.554088661	0.999371363	Not Sig
ENSG00000204267	TAP2	transporter 2, ATP binding cassette subfamily B member	6891	656.2037713	-0.285566362	0.694008056	-0.411474131	0.680724906	0.999371363	Not Sig
ENSG00000076685	NT5C2	5'-nucleotidase, cytosolic II	22978	2557.837011	-0.285539808	0.591646422	-0.482619005	0.629366282	0.999371363	Not Sig
ENSG00000215817	LOC441155	zinc finger CCCH-type domain-containing-like	441155	5.09818781	-0.285408748	1.171544948	-0.243617412	0.807527142	NA	NA
ENSG00000196547	MAN2A2	mannosidase alpha class 2A member 2	4122	1838.874547	-0.285341652	0.534342767	-0.534004892	0.593338149	0.999371363	Not Sig
ENSG00000133433	GSTT2B	glutathione S-transferase theta 2B (gene/pseudogene)	653689	17.05091357	-0.285322182	1.194434561	-0.238876362	0.811201456	0.999371363	Not Sig

ENSG00000104299	INTS9	integrator complex subunit 9	55756	345.3183109	-0.285124681	0.51962477	-0.548712643	0.583202668	0.999371363	Not Sig
ENSG00000198053	SIRPA	signal regulatory protein alpha	140885	1991.227509	-0.285102248	0.766678971	-0.371866529	0.709992227	0.999371363	Not Sig
ENSG00000132837	DMGDH	dimethylglycine dehydrogenase	29958	32.31259318	-0.28509822	0.569134662	-0.500932802	0.616418417	0.999371363	Not Sig
ENSG00000164306	PRIMPOL	primase and DNA directed polymerase	201973	256.7938266	-0.28492404	0.425372394	-0.669822595	0.502970888	0.999371363	Not Sig
ENSG00000139192	TAPBPL	TAP binding protein like	55080	736.2618358	-0.284906904	0.649057015	-0.438955126	0.660694052	0.999371363	Not Sig
ENSG00000101182	PSMA7	proteasome subunit alpha 7	5688	1889.699123	-0.284868528	0.490241482	-0.581077975	0.561187902	0.999371363	Not Sig
ENSG00000201221	NA	NA	NA	6.740296023	-0.284647873	1.104411801	-0.25773708	0.796609827	0.999371363	Not Sig
ENSG00000140379	BCL2A1	BCL2 related protein A1	597	206.1150755	-0.284586931	0.761395006	-0.373770419	0.708575129	0.999371363	Not Sig
ENSG00000267213	LOC400684	uncharacterized LOC400684	400684	13.48117268	-0.284540594	0.838369112	-0.339397754	0.73431011	0.999371363	Not Sig
ENSG00000165632	TAF3	TATA-box binding protein associated factor 3	83860	578.213446	-0.284462215	0.436780839	-0.651269902	0.514872274	0.999371363	Not Sig
ENSG00000201689	SNORD114-29	small nucleolar RNA, C/D box 114-29	767610	1.05588271	-0.284399695	2.578812331	-0.110283207	0.912184774	NA	NA
ENSG00000244582	NA	NA	NA	1.05588271	-0.284399695	2.578812331	-0.110283207	0.912184774	NA	NA
ENSG00000136813	KIAA0368	KIAA0368	23392	4062.187284	-0.284366555	0.427062226	-0.665866793	0.505496248	0.999371363	Not Sig
ENSG00000178573	MAF	MAF bZIP transcription factor	4094	1955.471305	-0.284331231	0.593810775	-0.47882464	0.632063386	0.999371363	Not Sig
ENSG00000110934	BIN2	bridging integrator 2	51411	479.7332242	-0.284250315	0.82497542	-0.344556102	0.730428113	0.999371363	Not Sig
ENSG00000111011	RSRC2	arginine and serine rich coiled-coil 2	65117	1513.505656	-0.284175078	0.510460205	-0.556703686	0.577729898	0.999371363	Not Sig
ENSG00000165806	CASP7	caspase 7	840	633.1369686	-0.284037193	0.544127323	-0.522005017	0.601666837	0.999371363	Not Sig
ENSG00000084092	NOA1	nitric oxide associated 1	84273	540.7923669	-0.284028239	0.42260182	-0.672094217	0.501523718	0.999371363	Not Sig
ENSG00000251215	NA	NA	NA	11.67859688	-0.283926427	0.875713761	-0.324222868	0.74576931	0.999371363	Not Sig
ENSG00000135486	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1	3178	9652.692614	-0.28381532	0.404222987	-0.702125633	0.482600818	0.999371363	Not Sig
ENSG00000202129	NA	NA	NA	1.321249506	-0.283803806	2.085595181	-0.136078089	0.891759549	NA	NA
ENSG00000232160	RAP2C-AS1	RAP2C antisense RNA 1	101928578	62.1360653	-0.2836666	0.7149443	-0.396767413	0.691538983	0.999371363	Not Sig
ENSG00000114544	SLC41A3	solute carrier family 41 member 3	54946	543.9325668	-0.283570975	0.461854561	-0.613983275	0.53922638	0.999371363	Not Sig
ENSG00000244313	NA	NA	NA	44.97558555	-0.283505844	0.556496095	-0.509448039	0.610438211	0.999371363	Not Sig
ENSG00000248544	NA	NA	NA	6.95731217	-0.283401842	1.190442008	-0.238064383	0.811831159	0.999371363	Not Sig
ENSG00000124222	STX16	syntaxin 16	8675	1318.282961	-0.283287421	0.456100539	-0.621107404	0.534528958	0.999371363	Not Sig
ENSG00000160961	ZNF333	zinc finger protein 333	84449	369.0978824	-0.283281868	0.480503712	-0.589551882	0.555491119	0.999371363	Not Sig
ENSG00000252792	NA	NA	NA	3.822122906	-0.283252168	1.263098649	-0.224251818	0.822561365	NA	NA
ENSG00000164488	DACT2	dishevelled binding antagonist of beta catenin 2	168002	194.7526868	-0.283220141	1.043955006	-0.271295352	0.786163881	0.999371363	Not Sig
ENSG00000263412	NA	NA	NA	16.40016491	-0.283077416	0.783705499	-0.361203815	0.717947091	0.999371363	Not Sig
ENSG00000072858	SIDT1	SID1 transmembrane family member 1	54847	613.8270031	-0.283070405	0.631421487	-0.448306576	0.653931955	0.999371363	Not Sig
ENSG00000136935	GOLGA1	golgin A1	2800	807.8790069	-0.282953918	0.431754115	-0.655358937	0.512236683	0.999371363	Not Sig
ENSG00000214435	AS3MT	arsenite methyltransferase	57412	5.997997717	-0.282947172	1.09983985	-0.257262157	0.796976404	NA	NA
ENSG00000171804	WDR87	WD repeat domain 87	83889	0.978914539	-0.282852655	2.609994201	-0.108372906	0.913699893	NA	NA
ENSG00000252985	NA	NA	NA	11.89231434	-0.282612943	0.822280821	-0.34369395	0.731076462	0.999371363	Not Sig

ENSG00000155666	KDM8	lysine demethylase 8	79831	139.7190907	-0.282451847	0.56000333	-0.504375298	0.613997673	0.999371363	Not Sig
ENSG00000183150	GPR19	G protein-coupled receptor 19	2842	8.762251066	-0.282361656	1.046490085	-0.269817803	0.787300426	0.999371363	Not Sig
ENSG00000242871	NA	NA	NA	15.0757056	-0.282142671	1.280750294	-0.220294832	0.825641545	0.999371363	Not Sig
ENSG00000260942	CAPN10-AS1	CAPN10 antisense RNA 1 (head to head)	101752400	87.86016387	-0.282041306	0.606658272	-0.464909685	0.641996135	0.999371363	Not Sig
ENSG00000127445	PIN1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1	5300	512.8821766	-0.282022416	0.600829322	-0.46938857	0.638791917	0.999371363	Not Sig
ENSG00000223652	NA	NA	NA	3.654896487	-0.281979075	1.303004537	-0.216406825	0.828670646	NA	NA
ENSG00000221216	NA	NA	NA	5.72948696	-0.281950974	1.109032672	-0.254231441	0.799316762	NA	NA
ENSG00000070269	TMEM260	transmembrane protein 260	54916	658.7992951	-0.281936607	0.555207099	-0.507804399	0.611590524	0.999371363	Not Sig
ENSG00000233695	NA	NA	NA	73.06698441	-0.281831433	0.732405932	-0.384802226	0.700383949	0.999371363	Not Sig
ENSG00000187954	CYHR1	cysteine and histidine rich 1	50626	1178.729564	-0.281549393	0.561941228	-0.501029963	0.616350036	0.999371363	Not Sig
ENSG00000197958	RPL12	ribosomal protein L12	6136	6535.757818	-0.281330541	0.482406864	-0.583181049	0.559771427	0.999371363	Not Sig
ENSG00000253537	PCDHGA7	protocadherin gamma subfamily A, 7	56108	96.50895147	-0.281281976	0.574928682	-0.489246727	0.624667032	0.999371363	Not Sig
ENSG00000134324	LPIN1	lipin 1	23175	1089.723626	-0.281180305	0.407612174	-0.689823129	0.490305422	0.999371363	Not Sig
ENSG00000223621	NA	NA	NA	2.439797014	-0.281078526	1.538713644	-0.182671108	0.855056087	NA	NA
ENSG00000226210	LOC100288778	WASH complex subunit 1 pseudogene	100288778	280.1205995	-0.281004811	0.659807848	-0.425888858	0.670188834	0.999371363	Not Sig
ENSG00000119684	MLH3	mutL homolog 3	27030	941.8026325	-0.280992323	0.431447462	-0.651278192	0.514866923	0.999371363	Not Sig
ENSG00000242125	SNHG3	small nucleolar RNA host gene 3	8420	1103.31106	-0.280982487	0.671309354	-0.418558874	0.675538551	0.999371363	Not Sig
ENSG00000160199	PKNOX1	PBX/knotted 1 homeobox 1	5316	474.0995969	-0.280820264	0.424846737	-0.660991928	0.50861749	0.999371363	Not Sig
ENSG00000008513	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	6482	2604.408917	-0.280795072	0.525095573	-0.534750408	0.592822459	0.999371363	Not Sig
ENSG00000145715	RASA1	RAS p21 protein activator 1	5921	1567.045961	-0.280718198	0.528985159	-0.530673107	0.595645325	0.999371363	Not Sig
ENSG00000199072	MIRLET7F1	microRNA let-7f-1	406888	9.977046486	-0.280473655	0.939192921	-0.298632633	0.765220363	0.999371363	Not Sig
ENSG00000127995	CASD1	CAS1 domain containing 1	64921	1089.382232	-0.280425914	0.576128641	-0.486741839	0.626441292	0.999371363	Not Sig
ENSG00000196074	SYCP2	synaptonemal complex protein 2	10388	110.5627205	-0.279977364	0.633676979	-0.441829786	0.658612383	0.999371363	Not Sig
ENSG00000011465	DCN	decorin	1634	9442.242108	-0.279861396	0.744051101	-0.376131956	0.706818798	0.999371363	Not Sig
ENSG00000126838	PZP	PZP, alpha-2-macroglobulin like	5858	66.45477028	-0.27984219	1.115328812	-0.250905551	0.801887132	0.999371363	Not Sig
ENSG00000118785	SPP1	secreted phosphoprotein 1	6696	4253.948357	-0.279747069	1.369880256	-0.20421279	0.838187217	0.999371363	Not Sig
ENSG00000234769	NA	NA	NA	119.5501527	-0.279729517	0.544535186	-0.513703291	0.607459451	0.999371363	Not Sig
ENSG00000169570	DTWD2	DTW domain containing 2	285605	265.9096176	-0.279713226	0.604604335	-0.462638473	0.643623527	0.999371363	Not Sig
ENSG00000232860	SMG7-AS1	SMG7 antisense RNA 1	284649	5.895141259	-0.27964165	1.059334055	-0.263978722	0.791796315	NA	NA
ENSG00000079435	LIPE	lipase E, hormone sensitive type	3991	117.3239623	-0.279584191	0.692969293	-0.403458268	0.686611129	0.999371363	Not Sig
ENSG00000224066	NA	NA	NA	82.54070276	-0.279541841	0.550674435	-0.507635406	0.611709056	0.999371363	Not Sig
ENSG00000261188	NA	NA	NA	39.769724	-0.279414495	0.76683525	-0.364373567	0.715579071	0.999371363	Not Sig
ENSG00000164576	SAP30L	SAP30 like	79685	966.5519079	-0.279375465	0.616045955	-0.453497768	0.650190351	0.999371363	Not Sig
ENSG00000154832	CXXC1	CXXC finger protein 1	30827	806.4015435	-0.279222856	0.449579317	-0.621075848	0.534549719	0.999371363	Not Sig
ENSG00000106404	CLDN15	claudin 15	24146	176.8170101	-0.27919069	0.715502052	-0.3902025	0.696386813	0.999371363	Not Sig

ENSG00000234964	NA	NA	NA	1.425263076	-0.27917271	2.334744256	-0.119573143	0.904821296	NA	NA
ENSG00000239089	NA	NA	NA	7.440104737	-0.279096965	1.005729792	-0.277506908	0.781390902	0.999371363	Not Sig
ENSG00000204371	EHMT2	euchromatic histone lysine methyltransferase 2	10919	1446.466985	-0.278804698	0.442272993	-0.63039051	0.528439118	0.999371363	Not Sig
ENSG00000134371	CDC73	cell division cycle 73	79577	1620.789727	-0.278604535	0.560083834	-0.497433632	0.618883294	0.999371363	Not Sig
ENSG00000144635	DYNC1LI1	dynein cytoplasmic 1 light intermediate chain 1	51143	727.1920873	-0.278505311	0.443394159	-0.62812129	0.529924487	0.999371363	Not Sig
ENSG00000116199	FAM20B	FAM20B, glycosaminoglycan xylosylkinase	9917	1621.907392	-0.278439448	0.414129784	-0.67234828	0.501362	0.999371363	Not Sig
ENSG00000189403	HMG1	high mobility group box 1	3146	3927.802564	-0.278292616	0.462887464	-0.601210094	0.547700062	0.999371363	Not Sig
ENSG00000062650	WAPL	WAPL cohesin release factor	23063	2084.53151	-0.277942635	0.465529582	-0.59704613	0.550476583	0.999371363	Not Sig
ENSG00000107521	HPS1	HPS1, biogenesis of lysosomal organelles complex 3 subunit 1	3257	1202.426635	-0.277936811	0.528222199	-0.526174045	0.598767286	0.999371363	Not Sig
ENSG00000145907	G3BP1	G3BP stress granule assembly factor 1	10146	4160.147498	-0.277861199	0.481596242	-0.576958818	0.563967275	0.999371363	Not Sig
ENSG00000230409	NA	NA	NA	65.16900627	-0.277783023	0.631436301	-0.439922479	0.659993254	0.999371363	Not Sig
ENSG00000255103	NA	NA	NA	1176.70662	-0.277738142	0.559722826	-0.496206567	0.619748678	0.999371363	Not Sig
ENSG00000196247	ZNF107	zinc finger protein 107	51427	720.1742783	-0.277638224	0.780118208	-0.355892506	0.721921068	0.999371363	Not Sig
ENSG00000215712	TMEM242	transmembrane protein 242	729515	245.9601788	-0.277360711	0.424595781	-0.65323473	0.513604963	0.999371363	Not Sig
ENSG00000237015	NA	NA	NA	7.278474649	-0.277246992	1.185872522	-0.233791565	0.815146799	0.999371363	Not Sig
ENSG00000085415	SEH1L	SEH1 like nucleoporin	81929	787.8110976	-0.277072312	0.584850576	-0.47374889	0.635678985	0.999371363	Not Sig
ENSG00000244501	NA	NA	NA	2.354387888	-0.277070719	1.64025004	-0.168919806	0.86585972	NA	NA
ENSG00000171135	JAGN1	jagunal homolog 1	84522	345.6638399	-0.277040019	0.418691167	-0.66168107	0.508175639	0.999371363	Not Sig
ENSG00000157873	TNFRSF14	TNF receptor superfamily member 14	8764	1607.595093	-0.276969701	0.638787492	-0.433586606	0.664588663	0.999371363	Not Sig
ENSG00000242860	NA	NA	NA	14.22511706	-0.276784817	1.112771836	-0.248734564	0.803566111	0.999371363	Not Sig
ENSG00000126226	PCID2	PCI domain containing 2	55795	820.7189532	-0.276597911	0.505378217	-0.547308732	0.584166646	0.999371363	Not Sig
ENSG00000226976	NA	NA	NA	4.634968139	-0.276593568	1.156639066	-0.239135592	0.811000444	NA	NA
ENSG00000118496	FBX030	F-box protein 30	84085	580.1116164	-0.276542015	0.482713377	-0.572890722	0.566718687	0.999371363	Not Sig
ENSG00000124374	PAIP2B	poly(A) binding protein interacting protein 2B	400961	445.7128643	-0.276505715	0.70183958	-0.393972814	0.693601111	0.999371363	Not Sig
ENSG00000072364	AFF4	AF4/FMR2 family member 4	27125	5580.826485	-0.276190973	0.551201636	-0.50107067	0.616321388	0.999371363	Not Sig
ENSG00000148057	IDNK	IDNK, gluconokinase	414328	100.3180636	-0.276030804	0.628075548	-0.439486628	0.660308969	0.999371363	Not Sig
ENSG00000188199	NUTM2B	NUT family member 2B	729262	2.65323762	-0.275966689	1.505738615	-0.183276623	0.854580975	NA	NA
ENSG00000081386	ZNF510	zinc finger protein 510	22869	465.5370986	-0.275913329	0.438306111	-0.629499161	0.529022318	0.999371363	Not Sig
ENSG00000255434	NA	NA	NA	2.632629756	-0.275788376	1.701561331	-0.162079598	0.871243173	NA	NA
ENSG00000165185	KIAA1958	KIAA1958	158405	751.9465609	-0.275650834	0.558742123	-0.493341782	0.621771111	0.999371363	Not Sig
ENSG00000080298	RFX3	regulatory factor X3	5991	633.8850877	-0.27550521	0.4478709	-0.615144253	0.53845946	0.999371363	Not Sig
ENSG00000206903	SNORA24B	small nucleolar RNA, H/ACA box 24B	109617003	1.404655212	-0.275450254	2.111978707	-0.130422837	0.8962319	NA	NA
ENSG00000255256	NA	NA	NA	1.404655212	-0.275450254	2.111978707	-0.130422837	0.8962319	NA	NA
ENSG00000102763	VWA8	von Willebrand factor A domain containing 8	23078	1203.346025	-0.275352977	0.489417385	-0.562613805	0.573697889	0.999371363	Not Sig
ENSG00000128272	ATF4	activating transcription factor 4	468	3879.946859	-0.275231942	0.42841584	-0.642441098	0.520586823	0.999371363	Not Sig

ENSG00000206609	SNORD116-11	small nucleolar RNA, C/D box 116-11	100033423	3.518009044	-0.27480005	1.368238717	-0.200842183	0.840821978	NA	NA
ENSG00000100519	PSMC6	proteasome 26S subunit, ATPase 6	5706	1385.900962	-0.274737757	0.585439988	-0.469284235	0.638866483	0.999371363	Not Sig
ENSG00000114391	RPL24	ribosomal protein L24	6152	4324.154818	-0.274681397	0.433789481	-0.633213597	0.526594168	0.999371363	Not Sig
ENSG00000243926	NA	NA	NA	11.25622816	-0.274613331	0.879895412	-0.312097697	0.754966277	0.999371363	Not Sig
ENSG00000136546	SCN7A	sodium voltage-gated channel alpha subunit 7	6332	2248.332131	-0.274558703	0.898631082	-0.305529943	0.759962568	0.999371363	Not Sig
ENSG00000158195	WASF2	WAS protein family member 2	10163	5277.188076	-0.27440563	0.485242409	-0.565502159	0.571732256	0.999371363	Not Sig
ENSG00000272948	NA	NA	NA	5.276120265	-0.273503872	1.830022905	-0.149453797	0.881195564	NA	NA
ENSG00000120549	KIAA1217	KIAA1217	56243	3238.479572	-0.273484842	0.392633631	-0.696539524	0.486091014	0.999371363	Not Sig
ENSG00000100813	ACIN1	apoptotic chromatin condensation inducer 1	22985	5844.587058	-0.273407552	0.51283207	-0.53313271	0.593941718	0.999371363	Not Sig
ENSG00000239704	CDRT4	CMT1A duplicated region transcript 4	284040	63.20252362	-0.273328089	0.699345762	-0.390833983	0.695919954	0.999371363	Not Sig
ENSG00000272195	NA	NA	NA	47.87650444	-0.273280903	0.717131329	-0.381075115	0.703147512	0.999371363	Not Sig
ENSG00000207820	MIR545	microRNA 545	664614	4.911073544	-0.273070502	1.106032205	-0.246891999	0.804991809	NA	NA
ENSG00000134901	KDELCL1	KDEL motif containing 1	79070	87.20326444	-0.272874145	0.527276258	-0.517516465	0.604795678	0.999371363	Not Sig
ENSG00000204758	LOC100268168	uncharacterized LOC100268168	100268168	13.83996473	-0.272828725	0.817119676	-0.333890779	0.738461978	0.999371363	Not Sig
ENSG00000161664	ASB16	ankyrin repeat and SOCS box containing 16	92591	9.254432032	-0.272813696	1.042675336	-0.261647789	0.793592997	0.999371363	Not Sig
ENSG00000189046	ALKBH2	alkB homolog 2, alpha-ketoglutarate dependent dioxygenase	121642	89.18499043	-0.272707973	0.539662331	-0.505330754	0.613326545	0.999371363	Not Sig
ENSG00000122042	UBL3	ubiquitin like 3	5412	1915.441624	-0.272702986	0.590733839	-0.461634272	0.644343613	0.999371363	Not Sig
ENSG00000242960	NA	NA	NA	18.50057744	-0.27263757	0.731075645	-0.372926621	0.709203058	0.999371363	Not Sig
ENSG00000102974	CTCF	CCCTC-binding factor	10664	1399.266681	-0.27254262	0.395283717	-0.689486079	0.490517431	0.999371363	Not Sig
ENSG00000100902	PSMA6	proteasome subunit alpha 6	5687	212.4663982	-0.272486224	0.611658664	-0.445487394	0.655967567	0.999371363	Not Sig
ENSG00000116754	SRSF11	serine and arginine rich splicing factor 11	9295	3597.170801	-0.27248427	0.652681496	-0.417484289	0.676324214	0.999371363	Not Sig
ENSG00000101901	ALG13	ALG13, UDP-N-acetylglucosaminyltransferase subunit	79868	1212.738175	-0.272279225	0.681661939	-0.399434396	0.689573154	0.999371363	Not Sig
ENSG00000256011	NA	NA	NA	3.723290659	-0.272259205	1.84200458	-0.147805933	0.882495927	NA	NA
ENSG00000184381	PLA2G6	phospholipase A2 group VI	8398	539.2796856	-0.271929851	0.469804127	-0.578815373	0.562713757	0.999371363	Not Sig
ENSG00000130254	SAFB2	scaffold attachment factor B2	9667	1367.772501	-0.271851219	0.443799036	-0.612554776	0.540170769	0.999371363	Not Sig
ENSG00000114554	PLXNA1	plexin A1	5361	2668.80786	-0.271802872	0.599818491	-0.453141869	0.650446588	0.999371363	Not Sig
ENSG00000138468	SENP7	SUMO1/sentrin specific peptidase 7	57337	871.5547879	-0.271755697	0.638590782	-0.425555308	0.670431912	0.999371363	Not Sig
ENSG00000175564	UCP3	uncoupling protein 3	7352	42.17876295	-0.271734359	0.607432003	-0.447349427	0.654622784	0.999371363	Not Sig
ENSG00000223599	NA	NA	NA	78.84130877	-0.271707124	0.57632883	-0.471444617	0.637323261	0.999371363	Not Sig
ENSG00000109536	FRG1	FSHD region gene 1	2483	318.5443708	-0.271595876	0.417346452	-0.650768382	0.515196013	0.999371363	Not Sig
ENSG00000225450	NA	NA	NA	17.26015374	-0.271595007	0.903393773	-0.300638565	0.763690121	0.999371363	Not Sig
ENSG00000126216	TUBGCP3	tubulin gamma complex associated protein 3	10426	838.6051169	-0.271548013	0.441192421	-0.615486577	0.538233431	0.999371363	Not Sig
ENSG00000135457	TFCP2	transcription factor CP2	7024	767.6087435	-0.271525802	0.453900436	-0.598205643	0.549702727	0.999371363	Not Sig
ENSG00000136250	AOAH	acyloxyacyl hydrolase	313	431.6009022	-0.271480281	0.72325702	-0.375357963	0.707394264	0.999371363	Not Sig
ENSG00000120533	ENY2	ENY2, transcription and export complex 2 subunit	56943	511.9010957	-0.27146391	0.481657235	-0.563603928	0.573023713	0.999371363	Not Sig

ENSG0000006652	IFRD1	interferon related developmental regulator 1	3475	917.2384268	-0.271168875	0.480705454	-0.564106093	0.572681931	0.999371363	Not Sig
ENSG00000101544	ADNP2	ADNP homeobox 2	22850	884.2390642	-0.271139828	0.430756561	-0.629450257	0.529054325	0.999371363	Not Sig
ENSG00000136044	APPL2	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 2	55198	821.3076409	-0.270914522	0.41009687	-0.660611046	0.508861783	0.999371363	Not Sig
ENSG00000251369	ZNF550	zinc finger protein 550	162972	275.7248923	-0.270871034	0.555256191	-0.487830732	0.625669742	0.999371363	Not Sig
ENSG00000109586	GALNT7	polypeptide N-acetylgalactosaminyltransferase 7	51809	1785.610076	-0.270866156	0.780210326	-0.347170688	0.72846309	0.999371363	Not Sig
ENSG00000232833	NA	NA	NA	21.73589597	-0.270810172	0.820947211	-0.329875256	0.741494221	0.999371363	Not Sig
ENSG00000143387	CTSK	cathepsin K	1513	805.0473616	-0.270770987	0.524250849	-0.51649127	0.605511335	0.999371363	Not Sig
ENSG00000055950	MRPL43	mitochondrial ribosomal protein L43	84545	493.9105352	-0.270552536	0.416570541	-0.649475921	0.516030805	0.999371363	Not Sig
ENSG00000258230	NA	NA	NA	26.34806336	-0.270032949	0.670919663	-0.402481792	0.687329486	0.999371363	Not Sig
ENSG00000109680	TBC1D19	TBC1 domain family member 19	55296	287.4383328	-0.269899799	0.492518666	-0.547999127	0.583692502	0.999371363	Not Sig
ENSG00000127472	PLA2G5	phospholipase A2 group V	5322	36.32776566	-0.269813531	0.855046236	-0.315554317	0.752340817	0.999371363	Not Sig
ENSG00000186591	UBE2H	ubiquitin conjugating enzyme E2 H	7328	3321.832965	-0.269789193	0.487487993	-0.553427359	0.579970809	0.999371363	Not Sig
ENSG00000150760	DOCK1	dedicator of cytokinesis 1	1793	3216.976282	-0.269567498	0.411602783	-0.654921467	0.512518318	0.999371363	Not Sig
ENSG00000137819	PAQR5	progesterin and adipoQ receptor family member 5	54852	384.7904416	-0.269486988	0.762364001	-0.353488606	0.723722169	0.999371363	Not Sig
ENSG00000116815	CD58	CD58 molecule	965	339.3006778	-0.269300964	0.726882463	-0.370487634	0.711019188	0.999371363	Not Sig
ENSG00000214655	ZSWIM8	zinc finger SWIM-type containing 8	23053	2175.872401	-0.269246676	0.493913304	-0.545129426	0.585664505	0.999371363	Not Sig
ENSG00000113739	STC2	stanniocalcin 2	8614	188.3482268	-0.269241839	0.622891753	-0.432244988	0.665563365	0.999371363	Not Sig
ENSG00000132824	SERINC3	serine incorporator 3	10955	3097.655998	-0.269155316	0.452354951	-0.595009107	0.551837383	0.999371363	Not Sig
ENSG00000143633	C1orf131	chromosome 1 open reading frame 131	128061	211.9296635	-0.269151458	0.552292596	-0.487334902	0.626021018	0.999371363	Not Sig
ENSG00000100055	CYTH4	cytohesin 4	27128	810.2279156	-0.269149206	0.768516719	-0.350219064	0.726174301	0.999371363	Not Sig
ENSG00000114520	SNX4	sorting nexin 4	8723	727.8767097	-0.269072345	0.512443033	-0.525077574	0.599529265	0.999371363	Not Sig
ENSG00000205436	EXOC3L4	exocyst complex component 3 like 4	91828	93.1807415	-0.268991339	0.89961557	-0.299006985	0.764934716	0.999371363	Not Sig
ENSG00000166575	TMEM135	transmembrane protein 135	65084	611.9241845	-0.268986835	0.658425014	-0.408530705	0.682884093	0.999371363	Not Sig
ENSG00000168884	TNIP2	TNFAIP3 interacting protein 2	79155	711.4258075	-0.268963433	0.598661066	-0.449274971	0.65323331	0.999371363	Not Sig
ENSG00000145431	PDGFC	platelet derived growth factor C	56034	995.2159784	-0.268568481	0.509714984	-0.526899326	0.598263502	0.999371363	Not Sig
ENSG00000237950	NA	NA	NA	10.24752809	-0.268553085	0.978343172	-0.274497838	0.783702065	0.999371363	Not Sig
ENSG00000152661	GJA1	gap junction protein alpha 1	2697	2800.955489	-0.268488164	0.74049035	-0.362581584	0.716917469	0.999371363	Not Sig
ENSG00000143878	RHOB	ras homolog family member B	388	9256.005541	-0.268461761	0.569846455	-0.471112452	0.637560433	0.999371363	Not Sig
ENSG00000167264	DUS2	dihydrouridine synthase 2	54920	237.5800557	-0.268302211	0.424906577	-0.631438122	0.527754097	0.999371363	Not Sig
ENSG00000152291	TGOLN2	trans-golgi network protein 2	10618	7611.210415	-0.268082381	0.437913768	-0.612180755	0.540418173	0.999371363	Not Sig
ENSG00000070718	AP3M2	adaptor related protein complex 3 mu 2 subunit	10947	467.5776239	-0.268016636	0.558456947	-0.479923541	0.631281761	0.999371363	Not Sig
ENSG00000050820	BCAR1	BCAR1, Cas family scaffolding protein	9564	2127.936536	-0.26791954	0.577663048	-0.463798993	0.642791765	0.999371363	Not Sig
ENSG00000155130	NA	NA	NA	5430.270239	-0.267906164	0.547654893	-0.48918793	0.624708654	0.999371363	Not Sig
ENSG00000233175	NA	NA	NA	22.45440341	-0.267692595	0.792435442	-0.337809973	0.735506394	0.999371363	Not Sig
ENSG00000259407	NA	NA	NA	12.70592955	-0.267625458	0.813895208	-0.328820535	0.742291341	0.999371363	Not Sig

ENSG00000150787	PTS	6-pyruvoyltetrahydropterin synthase	5805	240.1415365	-0.267422558	0.564088021	-0.474079485	0.635443228	0.999371363	Not Sig
ENSG00000126746	ZNF384	zinc finger protein 384	171017	864.2574617	-0.267293375	0.408558698	-0.65423494	0.512960454	0.999371363	Not Sig
ENSG00000255529	POLR2M	RNA polymerase II subunit M	81488	430.3672817	-0.267154031	0.614595381	-0.434682784	0.663792697	0.999371363	Not Sig
ENSG00000130713	EXOSC2	exosome component 2	23404	398.0800325	-0.267058051	0.45222833	-0.590538082	0.554829962	0.999371363	Not Sig
ENSG00000164091	WDR82	WD repeat domain 82	80335	2442.671469	-0.266897189	0.391487444	-0.681751594	0.495396037	0.999371363	Not Sig
ENSG00000188177	ZC3H6	zinc finger CCH-type containing 6	376940	1312.731075	-0.266869759	0.579151145	-0.460794667	0.644945928	0.999371363	Not Sig
ENSG00000196526	AFAP1	actin filament associated protein 1	60312	1505.568258	-0.266789329	0.492561053	-0.541637076	0.588068545	0.999371363	Not Sig
ENSG00000165507	DEPP1	DEPP1, autophagy regulator	11067	3194.892074	-0.26668752	0.836103015	-0.318964907	0.749753124	0.999371363	Not Sig
ENSG00000153094	BCL2L11	BCL2 like 11	10018	964.5807145	-0.266589462	0.509703134	-0.523028885	0.600954152	0.999371363	Not Sig
ENSG00000152422	XRCC4	X-ray repair cross complementing 4	7518	200.2974175	-0.266473634	0.598468299	-0.445259396	0.656132307	0.999371363	Not Sig
ENSG00000261544	NA	NA	NA	45.12760159	-0.266449917	0.915810192	-0.290944477	0.771093784	0.999371363	Not Sig
ENSG00000102738	MRPS31	mitochondrial ribosomal protein S31	10240	304.40212	-0.266345638	0.527783916	-0.504649024	0.613805371	0.999371363	Not Sig
ENSG00000108107	RPL28	ribosomal protein L28	6158	4681.392327	-0.266209749	0.417886129	-0.637038971	0.52409946	0.999371363	Not Sig
ENSG00000012983	MAP4K5	mitogen-activated protein kinase kinase kinase 5	11183	1646.436532	-0.266148837	0.552291746	-0.481898993	0.629877701	0.999371363	Not Sig
ENSG00000231395	NA	NA	NA	0.985352075	-0.266126424	2.607323777	-0.102068806	0.918702061	NA	NA
ENSG00000253848	LOC105375645	uncharacterized LOC105375645	105375645	0.985352075	-0.266126424	2.607323777	-0.102068806	0.918702061	NA	NA
ENSG00000103769	RAB11A	RAB11A, member RAS oncogene family	8766	2295.462094	-0.265887859	0.49443971	-0.537755875	0.590745598	0.999371363	Not Sig
ENSG00000204971	NA	NA	NA	1.735399467	-0.26581898	2.164944261	-0.12278329	0.902278706	NA	NA
ENSG00000248008	NRAV	negative regulator of antiviral response (non-protein coding)	100506668	172.9301779	-0.265759498	0.428150729	-0.620714809	0.534787284	0.999371363	Not Sig
ENSG00000068024	HDAC4	histone deacetylase 4	9759	1247.46519	-0.265675414	0.580683445	-0.457521936	0.647295939	0.999371363	Not Sig
ENSG00000157827	FMNL2	formin like 2	114793	2482.874062	-0.265621795	0.427708859	-0.621034119	0.534577174	0.999371363	Not Sig
ENSG00000150990	DHX37	DEAH-box helicase 37	57647	607.8508981	-0.265587581	0.459691554	-0.577751708	0.563431763	0.999371363	Not Sig
ENSG00000163946	FAM208A	family with sequence similarity 208 member A	23272	2874.975195	-0.26533645	0.557831381	-0.475657087	0.634318698	0.999371363	Not Sig
ENSG00000126883	NUP214	nucleoporin 214	8021	1989.216052	-0.265336019	0.397866708	-0.666896761	0.50483808	0.999371363	Not Sig
ENSG00000226332	NA	NA	NA	36.4539742	-0.265303039	0.840127402	-0.315789055	0.752162626	0.999371363	Not Sig
ENSG00000196951	SCOC-AS1	SCOC antisense RNA 1	100129858	10.09908251	-0.265227347	1.055701745	-0.251233218	0.801633804	0.999371363	Not Sig
ENSG00000163002	NUP35	nucleoporin 35	129401	216.5492413	-0.265217526	0.643712085	-0.412012656	0.680330147	0.999371363	Not Sig
ENSG00000164332	UBLCP1	ubiquitin like domain containing CTD phosphatase 1	134510	623.3201747	-0.265072224	0.581619668	-0.455748384	0.648570925	0.999371363	Not Sig
ENSG00000168214	RBPJ	recombination signal binding protein for immunoglobulin kappa J region	3516	2671.187827	-0.264945643	0.559515928	-0.473526543	0.635837568	0.999371363	Not Sig
ENSG00000086062	B4GALT1	beta-1,4-galactosyltransferase 1	2683	4074.677983	-0.264915994	0.499344054	-0.530527984	0.595745912	0.999371363	Not Sig
ENSG00000136937	NCBP1	nuclear cap binding protein subunit 1	4686	998.6997674	-0.264833304	0.494340097	-0.535730978	0.592144491	0.999371363	Not Sig
ENSG00000152409	JMY	junction mediating and regulatory protein, p53 cofactor	133746	1185.881189	-0.264794595	0.47862783	-0.553236938	0.580101177	0.999371363	Not Sig
ENSG00000133706	LARS	leucyl-tRNA synthetase	51520	2390.706124	-0.264737927	0.499953195	-0.529525422	0.596441014	0.999371363	Not Sig
ENSG00000213953	NA	NA	NA	13.99585011	-0.264722086	0.981958059	-0.26958594	0.787478818	0.999371363	Not Sig
ENSG00000118596	SLC16A7	solute carrier family 16 member 7	9194	593.2065994	-0.264613522	0.747149222	-0.354164221	0.723215816	0.999371363	Not Sig

ENSG00000197506	SLC28A3	solute carrier family 28 member 3	64078	96.62585123	-0.264500263	0.981056819	-0.269607486	0.78746224	0.999371363	Not Sig
ENSG00000038219	BOD1L1	biorientation of chromosomes in cell division 1 like 1	259282	3630.41978	-0.264360973	0.420494837	-0.628690175	0.529551912	0.999371363	Not Sig
ENSG00000109171	SLAIN2	SLAIN motif family member 2	57606	1705.097062	-0.264243865	0.487488603	-0.542051369	0.587783119	0.999371363	Not Sig
ENSG00000065357	DGKA	diacylglycerol kinase alpha	1606	710.6059761	-0.264123775	0.538056448	-0.49088488	0.623507872	0.999371363	Not Sig
ENSG00000173402	DAG1	dystroglycan 1	1605	3505.619123	-0.263911424	0.510202742	-0.517267749	0.604969264	0.999371363	Not Sig
ENSG00000176208	ATAD5	ATPase family, AAA domain containing 5	79915	277.6151114	-0.263895905	0.928721212	-0.284149755	0.776295619	0.999371363	Not Sig
ENSG00000188785	ZNF548	zinc finger protein 548	147694	305.3103397	-0.263711199	0.413078522	-0.638404528	0.523210384	0.999371363	Not Sig
ENSG00000259378	NA	NA	NA	25.23965755	-0.263675259	0.712858429	-0.369884465	0.711468577	0.999371363	Not Sig
ENSG00000107371	EXOSC3	exosome component 3	51010	248.2390901	-0.263629892	0.490609333	-0.537351971	0.591024512	0.999371363	Not Sig
ENSG00000261644	NA	NA	NA	10.76775509	-0.26355261	1.18103936	-0.223153113	0.823416342	0.999371363	Not Sig
ENSG00000183621	ZNF438	zinc finger protein 438	220929	364.120896	-0.263547341	0.438265004	-0.601342426	0.547611937	0.999371363	Not Sig
ENSG00000173914	RBM4B	RNA binding motif protein 4B	83759	263.4496816	-0.263540365	0.493233049	-0.534312056	0.593125652	0.999371363	Not Sig
ENSG00000083814	ZNF671	zinc finger protein 671	79891	168.1025901	-0.263525818	0.55243808	-0.477023268	0.633345553	0.999371363	Not Sig
ENSG00000079805	DNM2	dynamain 2	1785	3976.91412	-0.263522291	0.573184044	-0.459751616	0.645694516	0.999371363	Not Sig
ENSG00000200154	NA	NA	NA	8.819436961	-0.263497774	0.975928297	-0.269997063	0.787162513	0.999371363	Not Sig
ENSG00000189164	ZNF527	zinc finger protein 527	84503	154.4463687	-0.263405688	0.468931746	-0.561714344	0.57431066	0.999371363	Not Sig
ENSG00000180921	FAM83H	family with sequence similarity 83 member H	286077	2851.166442	-0.263360735	0.624946691	-0.42141312	0.673453441	0.999371363	Not Sig
ENSG00000101639	CEP192	centrosomal protein 192	55125	1803.192231	-0.263343182	0.499738531	-0.526961932	0.598220025	0.999371363	Not Sig
ENSG00000188313	PLSCR1	phospholipid scramblase 1	5359	1892.006598	-0.263282478	0.550731861	-0.478059282	0.632608012	0.999371363	Not Sig
ENSG00000244384	NA	NA	NA	2.949203682	-0.263248914	1.607347666	-0.163778453	0.869905555	NA	NA
ENSG00000197223	C1D	C1D nuclear receptor corepressor	10438	291.546715	-0.263057359	0.652166788	-0.403359024	0.686684126	0.999371363	Not Sig
ENSG00000178035	IMPDH2	inosine monophosphate dehydrogenase 2	3615	1625.487551	-0.263047853	0.457364576	-0.575138231	0.565197814	0.999371363	Not Sig
ENSG00000188312	CENPP	centromere protein P	401541	136.111302	-0.263044162	0.588493482	-0.446978888	0.654890303	0.999371363	Not Sig
ENSG00000167257	RNF214	ring finger protein 214	257160	600.0607294	-0.263012022	0.476699686	-0.551735253	0.581129753	0.999371363	Not Sig
ENSG00000101955	SRPX	sushi repeat containing protein, X-linked	8406	164.9463858	-0.262926088	0.794332143	-0.331002705	0.740642442	0.999371363	Not Sig
ENSG00000006607	FARP2	FERM, ARH/RhoGEF and pleckstrin domain protein 2	9855	1291.326099	-0.262883484	0.414933649	-0.633555472	0.526370968	0.999371363	Not Sig
ENSG00000251664	PCDHA12	protocadherin alpha 12	56137	160.9271536	-0.262863606	0.872251426	-0.301362197	0.763138317	0.999371363	Not Sig
ENSG00000196367	TRRAP	transformation/transcription domain associated protein	8295	4328.002549	-0.262746252	0.436044924	-0.602566932	0.546796824	0.999371363	Not Sig
ENSG00000134996	OSTF1	osteoclast stimulating factor 1	26578	775.5661181	-0.262669927	0.482077531	-0.54487071	0.585842443	0.999371363	Not Sig
ENSG00000166012	TAF1D	TATA-box binding protein associated factor, RNA polymerase I subunit D	79101	1901.248621	-0.262602131	0.683233615	-0.38435189	0.700717653	0.999371363	Not Sig
ENSG00000238098	ABCA17P	ATP binding cassette subfamily A member 17, pseudogene	650655	10.3931052	-0.262581348	1.115959622	-0.235296459	0.813978643	0.999371363	Not Sig
ENSG00000251682	NA	NA	NA	129.4613804	-0.262565934	0.62411404	-0.420701854	0.673972807	0.999371363	Not Sig
ENSG00000241112	NA	NA	NA	68.61663419	-0.262333056	0.469624009	-0.558602309	0.576433164	0.999371363	Not Sig
ENSG00000235279	NA	NA	NA	16.88726627	-0.262177754	0.910331302	-0.288002569	0.773344772	0.999371363	Not Sig
ENSG00000101350	KIF3B	kinesin family member 3B	9371	1539.299235	-0.262124375	0.464096363	-0.564805925	0.572205777	0.999371363	Not Sig

ENSG00000156958	GALK2	galactokinase 2	2585	630.6346818	-0.261729017	0.424749174	-0.616196647	0.537764741	0.999371363	Not Sig
ENSG00000024862	CCDC28A	coiled-coil domain containing 28A	25901	384.9909348	-0.261672275	0.528640152	-0.494991299	0.620606262	0.999371363	Not Sig
ENSG00000103248	MTHFSD	methenyltetrahydrofolate synthetase domain containing	64779	425.1464905	-0.261599109	0.424483207	-0.616276696	0.537711917	0.999371363	Not Sig
ENSG00000038382	TRIO	trio Rho guanine nucleotide exchange factor	7204	5625.276752	-0.26146148	0.405186299	-0.64528707	0.51874117	0.999371363	Not Sig
ENSG00000187605	TET3	tet methylcytosine dioxygenase 3	200424	1528.315005	-0.261429158	0.419119268	-0.623758386	0.532786273	0.999371363	Not Sig
ENSG00000239884	NA	NA	NA	21.88611754	-0.261344489	0.730970634	-0.357530763	0.7206945	0.999371363	Not Sig
ENSG00000181788	SIAH2	siah E3 ubiquitin protein ligase 2	6478	497.5174843	-0.261310335	0.396003857	-0.659868157	0.50933844	0.999371363	Not Sig
ENSG00000239523	MYLK-AS1	MYLK antisense RNA 1	100506826	18.27462858	-0.26130469	0.686266254	-0.380762843	0.703379233	0.999371363	Not Sig
ENSG00000243353	NA	NA	NA	2.131078026	-0.261007037	1.844568108	-0.141500352	0.887474682	NA	NA
ENSG00000213694	S1PR3	sphingosine-1-phosphate receptor 3	1903	273.5009354	-0.261005872	0.428285309	-0.609420557	0.542245715	0.999371363	Not Sig
ENSG00000165832	TRUB1	TruB pseudouridine synthase family member 1	142940	373.914789	-0.261004204	0.513017276	-0.508762991	0.610918363	0.999371363	Not Sig
ENSG00000172954	LCLAT1	lysocardiolipin acyltransferase 1	253558	666.2058824	-0.260929596	0.522975434	-0.498932797	0.617826728	0.999371363	Not Sig
ENSG00000102606	ARHGEF7	Rho guanine nucleotide exchange factor 7	8874	1959.803614	-0.260922185	0.39141374	-0.666614783	0.505018224	0.999371363	Not Sig
ENSG00000171169	NAIF1	nuclear apoptosis inducing factor 1	203245	165.7161307	-0.260794336	0.617481732	-0.422351501	0.672768472	0.999371363	Not Sig
ENSG00000149657	LSM14B	LSM family member 14B	149986	1023.061205	-0.260745721	0.444289536	-0.586882426	0.557282674	0.999371363	Not Sig
ENSG00000139178	C1RL	complement C1r subcomponent like	51279	1830.912804	-0.260717451	0.485300867	-0.537228488	0.591109795	0.999371363	Not Sig
ENSG00000154096	THY1	Thy-1 cell surface antigen	7070	663.4112757	-0.260650444	0.589964697	-0.44180685	0.658628981	0.999371363	Not Sig
ENSG00000200795	RNU4-1	RNA, U4 small nuclear 1	26835	11.70743121	-0.260469142	0.782455478	-0.332886854	0.739219693	0.999371363	Not Sig
ENSG00000241420	NA	NA	NA	9.183797195	-0.260387361	0.984158669	-0.264578639	0.791334077	0.999371363	Not Sig
ENSG00000272330	NA	NA	NA	10.86612993	-0.260190611	0.97266522	-0.267502739	0.789082105	0.999371363	Not Sig
ENSG00000229927	NA	NA	NA	1.062320245	-0.259964035	2.29377679	-0.113334495	0.90976537	NA	NA
ENSG00000242952	NA	NA	NA	1.062320245	-0.259964035	2.29377679	-0.113334495	0.90976537	NA	NA
ENSG00000135968	GCC2	GRIP and coiled-coil domain containing 2	9648	2818.192464	-0.259686745	0.583972225	-0.444690234	0.656543628	0.999371363	Not Sig
ENSG00000159399	HK2	hexokinase 2	3099	1810.353819	-0.259538823	0.493589809	-0.525818844	0.599014081	0.999371363	Not Sig
ENSG00000134283	PPHLN1	periphilin 1	51535	865.1500111	-0.259463227	0.571320768	-0.454146325	0.649723512	0.999371363	Not Sig
ENSG00000185246	PRPF39	pre-mRNA processing factor 39	55015	681.8100473	-0.259235111	0.584680483	-0.443379107	0.657491545	0.999371363	Not Sig
ENSG00000167984	NLRC3	NLR family CARD domain containing 3	197358	376.144543	-0.259142008	0.71456956	-0.362654698	0.716862845	0.999371363	Not Sig
ENSG00000116962	NID1	nidogen 1	4811	2027.72699	-0.258949381	0.480119773	-0.539343295	0.58965	0.999371363	Not Sig
ENSG00000204856	FAM216A	family with sequence similarity 216 member A	29902	41.70911345	-0.258492545	0.663338879	-0.389683995	0.696770233	0.999371363	Not Sig
ENSG00000076248	UNG	uracil DNA glycosylase	7374	397.1474081	-0.258449742	0.504905947	-0.511877001	0.608737095	0.999371363	Not Sig
ENSG00000233514	NA	NA	NA	0.652471357	-0.258143101	2.978556616	-0.08666718	0.930936065	NA	NA
ENSG00000269177	NA	NA	NA	0.652471357	-0.258143101	2.978556616	-0.08666718	0.930936065	NA	NA
ENSG00000262587	LOC554206	leucine carboxyl methyltransferase 1 pseudogene	554206	20.57414962	-0.258069014	0.986190061	-0.261682838	0.793565973	0.999371363	Not Sig
ENSG00000222297	NA	NA	NA	2.715731409	-0.25801692	1.737018328	-0.148540125	0.881916522	NA	NA
ENSG00000211904	NA	NA	NA	2.545642995	-0.257990198	2.087088689	-0.123612475	0.901622115	NA	NA

ENSG00000177855	NA	NA	NA	4.292478455	-0.257676154	1.267403392	-0.203310292	0.838892512	NA	NA
ENSG00000172171	TEFM	transcription elongation factor, mitochondrial	79736	181.9789501	-0.257663389	0.568944845	-0.452879381	0.650635599	0.999371363	Not Sig
ENSG00000121879	PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha	5290	1419.814746	-0.257593976	0.466050836	-0.552716476	0.580457569	0.999371363	Not Sig
ENSG00000105939	ZC3HAV1	zinc finger CCCH-type containing, antiviral 1	56829	2378.865332	-0.257396098	0.430163428	-0.598368158	0.549594307	0.999371363	Not Sig
ENSG00000171163	ZNF692	zinc finger protein 692	55657	513.6612667	-0.257286029	0.602455005	-0.427062647	0.669333698	0.999371363	Not Sig
ENSG00000170113	NIPA1	non imprinted in Prader-Willi/Angelman syndrome 1	123606	793.0059605	-0.257165747	0.515485299	-0.498880856	0.617863322	0.999371363	Not Sig
ENSG00000185049	NELFA	negative elongation factor complex member A	7469	672.9289968	-0.256998352	0.439198369	-0.585153248	0.558444678	0.999371363	Not Sig
ENSG00000207231	NA	NA	NA	4.920500603	-0.256914943	1.572188979	-0.163412253	0.870193856	NA	NA
ENSG00000166313	APBB1	amyloid beta precursor protein binding family B member 1	322	675.4030697	-0.256913947	0.823772219	-0.311874984	0.755135535	0.999371363	Not Sig
ENSG00000204120	GIGYF2	GRB10 interacting GYF protein 2	26058	2992.291906	-0.256856037	0.438481997	-0.585784682	0.558020219	0.999371363	Not Sig
ENSG00000183474	GTF2H2C	GTF2H2 family member C	728340	212.3660127	-0.256836847	0.551867704	-0.465395683	0.641648125	0.999371363	Not Sig
ENSG00000129048	ACKR4	atypical chemokine receptor 4	51554	46.72425943	-0.256776689	1.043663123	-0.246034073	0.805655856	0.999371363	Not Sig
ENSG00000165699	TSC1	TSC complex subunit 1	7248	1409.974858	-0.256776158	0.426497257	-0.60205817	0.547135418	0.999371363	Not Sig
ENSG00000167693	NXN	nucleoredoxin	64359	1322.225097	-0.256603359	0.668659201	-0.383758062	0.701157774	0.999371363	Not Sig
ENSG00000227694	NA	NA	NA	8.389107456	-0.256528398	0.940354532	-0.272799661	0.78500722	0.999371363	Not Sig
ENSG00000154727	GABPA	GA binding protein transcription factor alpha subunit	2551	860.0660882	-0.256484125	0.548483341	-0.467624276	0.640053302	0.999371363	Not Sig
ENSG00000158545	ZC3H18	zinc finger CCCH-type containing 18	124245	1419.837785	-0.256465058	0.488729479	-0.524758725	0.599750928	0.999371363	Not Sig
ENSG00000226329	NA	NA	NA	5.224348792	-0.256395494	1.298680624	-0.197427673	0.843492876	NA	NA
ENSG00000154710	RABGEF1	RAB guanine nucleotide exchange factor 1	27342	106.4719803	-0.256285522	0.601317693	-0.426206522	0.669957366	0.999371363	Not Sig
ENSG00000213090	NA	NA	NA	52.8294578	-0.256261901	0.573344955	-0.446959372	0.654904395	0.999371363	Not Sig
ENSG00000254364	NA	NA	NA	2.579104255	-0.256240286	2.105467038	-0.12170235	0.903134752	NA	NA
ENSG00000231787	NA	NA	NA	1.499214534	-0.256203747	2.307750073	-0.111018845	0.911601403	NA	NA
ENSG00000218422	NA	NA	NA	25.42909115	-0.256034923	0.66127531	-0.387183551	0.698620327	0.999371363	Not Sig
ENSG00000260865	NA	NA	NA	20.06968761	-0.255981701	0.905341282	-0.282746083	0.777371488	0.999371363	Not Sig
ENSG00000115808	STRN	striatin	6801	1568.782447	-0.255927726	0.477533937	-0.535936206	0.592002641	0.999371363	Not Sig
ENSG00000173960	UBXN2A	UBX domain protein 2A	165324	449.0069991	-0.255903626	0.401058367	-0.638070783	0.523427604	0.999371363	Not Sig
ENSG00000122696	SLC25A51	solute carrier family 25 member 51	92014	278.8279125	-0.255836705	0.523096209	-0.489081551	0.624783962	0.999371363	Not Sig
ENSG00000185900	POMK	protein-O-mannose kinase	84197	373.5862317	-0.255783807	0.445941078	-0.573582072	0.566250646	0.999371363	Not Sig
ENSG00000187266	EPOR	erythropoietin receptor	2057	229.8977063	-0.255632061	0.592101362	-0.431736993	0.665932578	0.999371363	Not Sig
ENSG00000213104	NA	NA	NA	1.295488466	-0.255527018	2.388374787	-0.106987823	0.91479864	NA	NA
ENSG00000115421	PAPOLG	poly(A) polymerase gamma	64895	587.9426236	-0.255447543	0.550309592	-0.46418879	0.642512492	0.999371363	Not Sig
ENSG00000152944	MED21	mediator complex subunit 21	9412	414.5292003	-0.255323426	0.456585043	-0.559202344	0.576023634	0.999371363	Not Sig
ENSG00000174715	NA	NA	NA	5.976399605	-0.255304695	1.104833564	-0.231079778	0.817252825	NA	NA
ENSG00000134533	RERG	RAS like estrogen regulated growth inhibitor	85004	307.8195664	-0.255224939	0.509656458	-0.500778387	0.616527098	0.999371363	Not Sig
ENSG00000185551	NR2F2	nuclear receptor subfamily 2 group F member 2	7026	1885.987995	-0.255223288	0.584640412	-0.436547461	0.662439572	0.999371363	Not Sig

ENSG00000070010	UFD1	ubiquitin recognition factor in ER associated degradation 1	7353	790.6788162	-0.25521476	0.483074067	-0.528313932	0.597281463	0.999371363	Not Sig
ENSG00000232352	SEMA3B-AS1	SEMA3B antisense RNA 1 (head to head)	101928931	10.97124942	-0.254947169	1.220396687	-0.208905163	0.834522273	0.999371363	Not Sig
ENSG00000182919	C11orf54	chromosome 11 open reading frame 54	28970	856.8871858	-0.254841942	0.465893783	-0.546995799	0.584381618	0.999371363	Not Sig
ENSG00000216099	MIR889	microRNA 889	100126345	1.31138025	-0.254745898	2.38447289	-0.106835309	0.914919635	NA	NA
ENSG00000121440	PDZRN3	PDZ domain containing ring finger 3	23024	492.8182686	-0.254422496	0.634899679	-0.400728658	0.688619909	0.999371363	Not Sig
ENSG00000176095	IP6K1	inositol hexakisphosphate kinase 1	9807	1392.114283	-0.254258005	0.486177487	-0.52297363	0.600992604	0.999371363	Not Sig
ENSG00000099338	CATSPERG	cation channel sperm associated auxiliary subunit gamma	57828	131.1826674	-0.254051937	0.578754548	-0.43896318	0.660688216	0.999371363	Not Sig
ENSG00000160752	FDPS	farnesyl diphosphate synthase	2224	1848.534042	-0.25394715	0.559681046	-0.453735483	0.650019224	0.999371363	Not Sig
ENSG00000138495	COX17	COX17, cytochrome c oxidase copper chaperone	10063	421.9533059	-0.253745131	0.470139721	-0.539722809	0.589388208	0.999371363	Not Sig
ENSG00000236869	NA	NA	NA	5.007614611	-0.25370084	1.126402438	-0.225231082	0.82179951	NA	NA
ENSG00000186812	ZNF397	zinc finger protein 397	84307	723.0133592	-0.253693557	0.414398659	-0.61219686	0.540407519	0.999371363	Not Sig
ENSG00000069535	MAOB	monoamine oxidase B	4129	571.9378981	-0.253457846	0.91100987	-0.278216355	0.780846281	0.999371363	Not Sig
ENSG00000139436	GIT2	GIT ArfGAP 2	9815	1510.415995	-0.253301336	0.445025314	-0.569184108	0.569231204	0.999371363	Not Sig
ENSG00000110851	PRDM4	PR/SET domain 4	11108	793.841124	-0.253295201	0.474333604	-0.534002226	0.593339994	0.999371363	Not Sig
ENSG00000158985	CDC42SE2	CDC42 small effector 2	56990	1895.53604	-0.252705422	0.638277893	-0.395917554	0.692165851	0.999371363	Not Sig
ENSG00000135956	TMEM127	transmembrane protein 127	55654	2381.306996	-0.252237661	0.489265304	-0.515543731	0.606173119	0.999371363	Not Sig
ENSG00000238403	NA	NA	NA	7.969129022	-0.2521745	0.905641582	-0.278448456	0.780668127	0.999371363	Not Sig
ENSG00000132823	OSER1	oxidative stress responsive serine rich 1	51526	362.2060827	-0.252152523	0.446692022	-0.564488532	0.572421703	0.999371363	Not Sig
ENSG00000179082	NA	NA	NA	51.11578611	-0.252033533	0.829208121	-0.303944843	0.761169913	0.999371363	Not Sig
ENSG00000128683	GAD1	glutamate decarboxylase 1	2571	111.7576293	-0.251893948	1.169032591	-0.215472135	0.829399235	0.999371363	Not Sig
ENSG00000100811	YY1	YY1 transcription factor	7528	2788.427727	-0.251821847	0.38553289	-0.653178636	0.513641121	0.999371363	Not Sig
ENSG00000144815	NXPE3	neurexophilin and PC-esterase domain family member 3	91775	561.392495	-0.251819673	0.721984908	-0.348788001	0.727248472	0.999371363	Not Sig
ENSG00000106803	SEC61B	Sec61 translocon beta subunit	10952	622.1069212	-0.251800953	0.513143906	-0.490702414	0.623636939	0.999371363	Not Sig
ENSG00000119707	RBM25	RNA binding motif protein 25	58517	3493.83871	-0.251698175	0.529008626	-0.475792194	0.634222432	0.999371363	Not Sig
ENSG00000118420	UBE3D	ubiquitin protein ligase E3D	90025	175.9466176	-0.25156891	0.543037251	-0.463262712	0.64317607	0.999371363	Not Sig
ENSG00000180817	PPA1	pyrophosphatase (inorganic) 1	5464	1823.995646	-0.251413934	0.444287184	-0.56588158	0.571474284	0.999371363	Not Sig
ENSG00000159884	CCDC107	coiled-coil domain containing 107	203260	365.5136486	-0.251384655	0.590648594	-0.425607811	0.670393648	0.999371363	Not Sig
ENSG00000199023	MIR339	microRNA 339	442907	4.99104753	-0.251382824	1.252139456	-0.200762641	0.840884177	NA	NA
ENSG00000128595	CALU	calumenin	813	3761.841072	-0.251020493	0.626465908	-0.400692982	0.688646178	0.999371363	Not Sig
ENSG00000163444	TMEM183A	transmembrane protein 183A	92703	913.9743704	-0.251009214	0.403737269	-0.621714251	0.534129779	0.999371363	Not Sig
ENSG00000163444	TMEM183B	transmembrane protein 183B	653659	913.9743704	-0.251009214	0.403737269	-0.621714251	0.534129779	0.999371363	Not Sig
ENSG00000077616	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2	10003	45.29556309	-0.250594336	0.79995953	-0.313258767	0.754084074	0.999371363	Not Sig
ENSG00000185869	ZNF829	zinc finger protein 829	374899	82.15154566	-0.250430728	0.606725273	-0.412758028	0.679783905	0.999371363	Not Sig
ENSG00000110330	BIRC2	baculoviral IAP repeat containing 2	329	1406.608779	-0.250250894	0.527765525	-0.474170597	0.635378259	0.999371363	Not Sig
ENSG00000224738	NA	NA	NA	7.201977396	-0.250197615	1.15313255	-0.216972121	0.828230072	0.999371363	Not Sig

ENSG00000171456	ASXL1	additional sex combs like 1, transcriptional regulator	171023	2674.592421	-0.25014097	0.410820774	-0.608881016	0.542603309	0.999371363	Not Sig
ENSG00000125482	TTF1	transcription termination factor 1	7270	380.377436	-0.249911584	0.449676037	-0.555759177	0.578375496	0.999371363	Not Sig
ENSG00000259744	NA	NA	NA	1.615079105	-0.249896938	1.930927604	-0.129418078	0.897026844	NA	NA
ENSG00000256294	ZNF225	zinc finger protein 225	7768	153.2854959	-0.249706109	0.453866822	-0.550174847	0.582199454	0.999371363	Not Sig
ENSG00000145685	LHFPL2	LHFPL tetraspan subfamily member 2	10184	1482.304832	-0.249642982	0.48368577	-0.516126373	0.605766149	0.999371363	Not Sig
ENSG00000227161	NA	NA	NA	9.180232432	-0.249439766	0.875102415	-0.285040655	0.775612995	0.999371363	Not Sig
ENSG00000134897	BIVM	basic, immunoglobulin-like variable motif containing	54841	305.3003911	-0.249317228	0.434352081	-0.573998006	0.565969151	0.999371363	Not Sig
ENSG00000243532	NA	NA	NA	7.37327826	-0.249215766	1.040453284	-0.239526147	0.810697624	0.999371363	Not Sig
ENSG00000150756	FAM173B	family with sequence similarity 173 member B	134145	268.9230487	-0.24911289	0.622634697	-0.400094776	0.689086712	0.999371363	Not Sig
ENSG00000106078	COBL	cordon-bleu WH2 repeat protein	23242	1654.533375	-0.249106286	0.52474195	-0.474721501	0.634985491	0.999371363	Not Sig
ENSG00000125337	KIF25	kinesin family member 25	3834	13.79242877	-0.249090766	0.785991203	-0.316912919	0.751309679	0.999371363	Not Sig
ENSG00000183160	TMEM119	transmembrane protein 119	338773	662.3935335	-0.249006801	0.58240089	-0.427552233	0.668977149	0.999371363	Not Sig
ENSG00000156232	WHAMM	WAS protein homolog associated with actin, golgi membranes and microtubules	123720	541.8536751	-0.24900167	0.432485937	-0.575745125	0.564787469	0.999371363	Not Sig
ENSG00000134107	BHLHE40	basic helix-loop-helix family member e40	8553	8200.09858	-0.248836823	0.537471011	-0.462977198	0.643380712	0.999371363	Not Sig
ENSG00000136169	SETDB2	SET domain bifurcated 2	83852	636.0433718	-0.248828843	0.520469442	-0.478085403	0.632589421	0.999371363	Not Sig
ENSG00000120539	MASTL	microtubule associated serine/threonine kinase like	84930	313.5692302	-0.248796912	0.607562941	-0.409499815	0.682172903	0.999371363	Not Sig
ENSG00000170860	LSM3	LSM3 homolog, U6 small nuclear RNA and mRNA degradation associated	27258	382.3002248	-0.24855149	0.562975233	-0.441496314	0.658853729	0.999371363	Not Sig
ENSG00000140650	PMM2	phosphomannomutase 2	5373	973.0712329	-0.248524995	0.655097359	-0.379371084	0.70441232	0.999371363	Not Sig
ENSG00000171160	MORN4	MORN repeat containing 4	118812	105.3726793	-0.24827905	0.490699499	-0.505969643	0.612877961	0.999371363	Not Sig
ENSG00000260285	NA	NA	NA	44.43930381	-0.248199655	0.590873189	-0.420055707	0.674444759	0.999371363	Not Sig
ENSG00000249850	NA	NA	NA	148.2254042	-0.248168794	0.459214528	-0.540420173	0.588907299	0.999371363	Not Sig
ENSG00000170296	GABARAP	GABA type A receptor-associated protein	11337	145.8611916	-0.248158549	0.493797416	-0.502551333	0.615279753	0.999371363	Not Sig
ENSG00000147679	UTP23	UTP23, small subunit processome component	84294	454.07025	-0.24808474	0.510556631	-0.485910329	0.627030745	0.999371363	Not Sig
ENSG00000197903	HIST1H2BK	histone cluster 1 H2B family member k	85236	1546.360501	-0.247736047	0.641229385	-0.386345437	0.699240854	0.999371363	Not Sig
ENSG00000089685	BIRC5	baculoviral IAP repeat containing 5	332	151.9693787	-0.247612003	0.932891583	-0.265424201	0.790682695	0.999371363	Not Sig
ENSG00000113594	LIFR	LIF receptor alpha	3977	3190.19572	-0.247486387	0.835703745	-0.296141292	0.767122181	0.999371363	Not Sig
ENSG00000031823	RANBP3	RAN binding protein 3	8498	1178.221676	-0.247429645	0.56869127	-0.435086062	0.66349996	0.999371363	Not Sig
ENSG00000264931	MIR3138	microRNA 3138	100423011	8.921479696	-0.247295171	1.236245937	-0.200037196	0.841451491	0.999371363	Not Sig
ENSG00000158528	PPP1R9A	protein phosphatase 1 regulatory subunit 9A	55607	1505.07216	-0.247122175	0.518514733	-0.476596245	0.633649658	0.999371363	Not Sig
ENSG00000029639	TFB1M	transcription factor B1, mitochondrial	51106	249.9229221	-0.24708997	0.557335275	-0.443341702	0.657518596	0.999371363	Not Sig
ENSG00000177192	PUS1	pseudouridylate synthase 1	80324	319.5838562	-0.24698694	0.449088725	-0.549973594	0.582337485	0.999371363	Not Sig
ENSG00000197191	CYSRT1	cysteine rich tail 1	375791	12.62935596	-0.246952061	0.961639266	-0.256803221	0.797330683	0.999371363	Not Sig
ENSG00000197140	ADAM32	ADAM metallopeptidase domain 32	203102	57.86892819	-0.246683534	0.566968862	-0.435091855	0.663495755	0.999371363	Not Sig
ENSG00000175221	MED16	mediator complex subunit 16	10025	1087.105072	-0.246562066	0.597724544	-0.412501156	0.679972134	0.999371363	Not Sig
ENSG00000240616	NA	NA	NA	17.87205401	-0.246358017	0.710446058	-0.346765267	0.728767672	0.999371363	Not Sig

ENSG00000135093	USP30	ubiquitin specific peptidase 30	84749	319.0203065	-0.246160227	0.43457327	-0.566441253	0.571093858	0.999371363	Not Sig
ENSG00000269952	NA	NA	NA	18.247108	-0.246147874	0.810323911	-0.303764791	0.761307092	0.999371363	Not Sig
ENSG00000168152	THAP9	THAP domain containing 9	79725	144.8337918	-0.245958292	0.52814426	-0.465702859	0.641428205	0.999371363	Not Sig
ENSG00000105287	PRKD2	protein kinase D2	25865	1405.780464	-0.245913591	0.535888861	-0.458889163	0.646313762	0.999371363	Not Sig
ENSG00000088387	DOCK9	dedicator of cytokinesis 9	23348	4531.840885	-0.24567165	0.498165625	-0.493152552	0.621904801	0.999371363	Not Sig
ENSG00000207975	MIR181B1	microRNA 181b-1	406955	2.584124388	-0.245533569	1.634180219	-0.150248771	0.880568349	NA	NA
ENSG00000198563	DDX39B	DEXD-box helicase 39B	7919	2776.265754	-0.245510297	0.429205428	-0.572011166	0.56731441	0.999371363	Not Sig
ENSG00000249212	NA	NA	NA	37.66224989	-0.245503293	0.664454161	-0.369481159	0.711769114	0.999371363	Not Sig
ENSG00000200170	NA	NA	NA	19.833033	-0.245493085	0.919943925	-0.266856575	0.789579592	0.999371363	Not Sig
ENSG00000105404	RABAC1	Rab acceptor 1	10567	1221.86117	-0.2454835	0.703551548	-0.348920417	0.727149057	0.999371363	Not Sig
ENSG00000140367	UBE2Q2	ubiquitin conjugating enzyme E2 Q2	92912	835.1095016	-0.245364897	0.51258363	-0.478682663	0.632164401	0.999371363	Not Sig
ENSG00000156976	EIF4A2	eukaryotic translation initiation factor 4A2	1974	5747.293112	-0.24531402	0.447732206	-0.547903449	0.5837582	0.999371363	Not Sig
ENSG00000271795	NA	NA	NA	15.72196192	-0.245213688	0.719833775	-0.340653213	0.733364665	0.999371363	Not Sig
ENSG00000074695	LMAN1	lectin, mannose binding 1	3998	5293.627159	-0.245013006	0.642398652	-0.381403362	0.702903967	0.999371363	Not Sig
ENSG00000134982	APC	APC, WNT signaling pathway regulator	324	1609.049366	-0.244970714	0.476795268	-0.513785959	0.607401645	0.999371363	Not Sig
ENSG00000113638	TTC33	tetratricopeptide repeat domain 33	23548	286.8071218	-0.244817233	0.445043325	-0.550097528	0.582252482	0.999371363	Not Sig
ENSG00000222268	NA	NA	NA	1.842966903	-0.2446871	2.24071935	-0.109200244	0.913043667	NA	NA
ENSG00000250061	NA	NA	NA	1.842966903	-0.2446871	2.24071935	-0.109200244	0.913043667	NA	NA
ENSG00000264295	MIR3922	microRNA 3922	100500843	1.842966903	-0.2446871	2.24071935	-0.109200244	0.913043667	NA	NA
ENSG00000145506	NKD2	naked cuticle homolog 2	85409	586.3454093	-0.244606455	1.08379796	-0.225693777	0.821439599	0.999371363	Not Sig
ENSG00000253716	MINCR	MYC-induced long non-coding RNA	100507316	46.26708539	-0.244574868	0.713722691	-0.342674923	0.73184303	0.999371363	Not Sig
ENSG00000107581	EIF3A	eukaryotic translation initiation factor 3 subunit A	8661	6929.835845	-0.244499194	0.38299248	-0.638391631	0.523218777	0.999371363	Not Sig
ENSG00000146555	SDK1	sidekick cell adhesion molecule 1	221935	1148.35349	-0.244489531	0.946822981	-0.258220951	0.796236389	0.999371363	Not Sig
ENSG00000105738	SIPA1L3	signal induced proliferation associated 1 like 3	23094	2952.946538	-0.244481139	0.432492595	-0.565283988	0.571880618	0.999371363	Not Sig
ENSG00000145734	BDP1	B double prime 1, subunit of RNA polymerase III transcription initiation factor 11B	55814	3451.830536	-0.244443331	0.422695791	-0.578296109	0.563064221	0.999371363	Not Sig
ENSG00000100852	ARHGAP5	Rho GTPase activating protein 5	394	4492.859308	-0.244396372	0.559017997	-0.437188736	0.661974478	0.999371363	Not Sig
ENSG00000238045	NA	NA	NA	92.78106885	-0.244395881	0.556440793	-0.439212732	0.660507401	0.999371363	Not Sig
ENSG00000223225	NA	NA	NA	4.727513143	-0.244313136	1.238020535	-0.197341747	0.843560112	NA	NA
ENSG00000140067	FAM181A	family with sequence similarity 181 member A	90050	4.59562926	-0.244263872	1.465068281	-0.166725248	0.867586239	NA	NA
ENSG00000096060	FKBP5	FK506 binding protein 5	2289	1228.747341	-0.244180156	0.517461169	-0.47188112	0.637011645	0.999371363	Not Sig
ENSG00000104660	LEPROTL1	leptin receptor overlapping transcript like 1	23484	751.8756848	-0.244057481	0.621247351	-0.392850738	0.694429727	0.999371363	Not Sig
ENSG00000130803	ZNF317	zinc finger protein 317	57693	624.5824449	-0.244020738	0.472696469	-0.516231353	0.605692835	0.999371363	Not Sig
ENSG00000196227	FAM217B	family with sequence similarity 217 member B	63939	422.1691436	-0.24396537	0.525839648	-0.463953928	0.642680754	0.999371363	Not Sig
ENSG00000186230	ZNF749	zinc finger protein 749	388567	164.7604965	-0.243798451	0.485889378	-0.501757112	0.615838385	0.999371363	Not Sig
ENSG00000120688	WBP4	WW domain binding protein 4	11193	316.1437271	-0.243715173	0.473240007	-0.514992752	0.606558085	0.999371363	Not Sig

ENSG00000197818	SLC9A8	solute carrier family 9 member A8	23315	667.8602153	-0.243690436	0.521345083	-0.467426364	0.640194864	0.999371363	Not Sig
ENSG00000197461	PDGFA	platelet derived growth factor subunit A	5154	1008.500074	-0.243632185	0.549955504	-0.443003449	0.65776324	0.999371363	Not Sig
ENSG00000135596	MICAL1	microtubule associated monooxygenase, calponin and LIM domain containing 1	64780	1357.302365	-0.243374403	0.628733579	-0.387086695	0.698692027	0.999371363	Not Sig
ENSG00000226881	NA	NA	NA	0.658908893	-0.243259071	3.449691654	-0.070516178	0.943782824	NA	NA
ENSG00000252755	NA	NA	NA	0.658908893	-0.243259071	3.449691654	-0.070516178	0.943782824	NA	NA
ENSG00000260298	NA	NA	NA	0.658908893	-0.243259071	3.449691654	-0.070516178	0.943782824	NA	NA
ENSG00000239779	WBP1	WW domain binding protein 1	23559	167.2487038	-0.24291791	0.51579222	-0.470960787	0.637668738	0.999371363	Not Sig
ENSG00000148719	DNAJB12	DnaJ heat shock protein family (Hsp40) member B12	54788	1014.597058	-0.242886259	0.490540649	-0.495139923	0.620501355	0.999371363	Not Sig
ENSG00000184270	HIST2H2AB	histone cluster 2 H2A family member b	317772	363.6253919	-0.242785756	0.457296338	-0.530915592	0.595477273	0.999371363	Not Sig
ENSG00000129277	NA	NA	NA	175.3735468	-0.242738129	0.980244448	-0.247630201	0.804420541	0.999371363	Not Sig
ENSG00000217767	NA	NA	NA	12.95198499	-0.242367664	0.781296645	-0.310212088	0.756399678	0.999371363	Not Sig
ENSG00000271871	NA	NA	NA	16.01166145	-0.242365308	0.795271313	-0.304758017	0.760550459	0.999371363	Not Sig
ENSG00000196792	STRN3	striatin 3	29966	1443.009219	-0.242345968	0.553840274	-0.437573755	0.6616953	0.999371363	Not Sig
ENSG00000198237	NA	NA	NA	27.83014949	-0.242310619	0.618685481	-0.391653961	0.695313912	0.999371363	Not Sig
ENSG00000105486	LIG1	DNA ligase 1	3978	553.6992443	-0.242279495	0.629468719	-0.384895211	0.700315054	0.999371363	Not Sig
ENSG00000230510	PPP5D1	PPP5 tetratricopeptide repeat domain containing 1	100506012	21.15887754	-0.242211288	0.681418064	-0.355451815	0.722251137	0.999371363	Not Sig
ENSG00000165487	MICU2	mitochondrial calcium uptake 2	221154	742.1470589	-0.24204084	0.519500506	-0.465910691	0.641279428	0.999371363	Not Sig
ENSG00000112305	SMAP1	small ArfGAP 1	60682	801.4356634	-0.241965945	0.448958479	-0.538949494	0.589921705	0.999371363	Not Sig
ENSG00000169139	UBE2V2	ubiquitin conjugating enzyme E2 V2	7336	681.1123215	-0.241752458	0.637806863	-0.379037092	0.70466032	0.999371363	Not Sig
ENSG00000163486	NA	NA	NA	1275.640304	-0.241745467	0.536418199	-0.450666043	0.65223026	0.999371363	Not Sig
ENSG00000243517	NA	NA	NA	2.031365529	-0.241723436	1.635820352	-0.147768938	0.882525124	NA	NA
ENSG00000232041	NA	NA	NA	1.455862342	-0.241657388	2.106101832	-0.11474155	0.90864998	NA	NA
ENSG00000206127	GOLGA80	golgin A8 family member 0	728047	12.62625615	-0.241550802	0.949222968	-0.254472142	0.799130823	0.999371363	Not Sig
ENSG00000197563	PIGN	phosphatidylinositol glycan anchor biosynthesis class N	23556	736.3139456	-0.241450445	0.613367546	-0.393647246	0.693841495	0.999371363	Not Sig
ENSG00000262470	NA	NA	NA	23.93616715	-0.241267915	0.755984063	-0.319144182	0.749617182	0.999371363	Not Sig
ENSG00000079999	KEAP1	kelch like ECH associated protein 1	9817	1003.239632	-0.241104431	0.509668068	-0.473061677	0.636169177	0.999371363	Not Sig
ENSG00000134452	FBXO18	F-box protein, helicase, 18	84893	1625.950436	-0.241034284	0.448562595	-0.537348158	0.591027146	0.999371363	Not Sig
ENSG00000160991	ORAI2	ORAI calcium release-activated calcium modulator 2	80228	822.2709023	-0.240605077	0.440527194	-0.546175312	0.584945435	0.999371363	Not Sig
ENSG00000141258	SGSM2	small G protein signaling modulator 2	9905	1957.915704	-0.240490435	0.480092571	-0.500925132	0.616423815	0.999371363	Not Sig
ENSG00000198018	ENTPD7	ectonucleoside triphosphate diphosphohydrolase 7	57089	516.2564059	-0.240315869	0.591928041	-0.405988317	0.684751185	0.999371363	Not Sig
ENSG00000238948	NA	NA	NA	4.0139654	-0.240036018	1.319416767	-0.181925851	0.855640917	NA	NA
ENSG00000176890	TYMS	thymidylate synthetase	7298	269.4181645	-0.239977077	0.864637331	-0.277546514	0.781360495	0.999371363	Not Sig
ENSG00000198722	UNC13B	unc-13 homolog B	10497	4230.779279	-0.239871444	0.647492532	-0.370462101	0.71103821	0.999371363	Not Sig
ENSG00000065882	TBC1D1	TBC1 domain family member 1	23216	1238.518048	-0.239842146	0.580307676	-0.413301694	0.679385589	0.999371363	Not Sig
ENSG00000212017	MIR548U	microRNA 548u	100422884	6.753139479	-0.239627988	1.51728111	-0.157932493	0.874509994	0.999371363	Not Sig

ENSG00000233476	NA	NA	NA	72.94638874	-0.239573614	0.50036117	-0.478801371	0.632079941	0.999371363	Not Sig
ENSG00000230424	LOC101927895	uncharacterized LOC101927895	101927895	16.96521476	-0.239430436	0.739883998	-0.323605371	0.746236821	0.999371363	Not Sig
ENSG00000100344	PNPLA3	patatin like phospholipase domain containing 3	80339	52.24571285	-0.239418944	0.855104103	-0.279988066	0.779486661	0.999371363	Not Sig
ENSG00000167302	TEPSIN	TEPSIN, adaptor related protein complex 4 accessory protein	146705	519.536123	-0.239299018	0.558817153	-0.428224181	0.668487913	0.999371363	Not Sig
ENSG00000172046	USP19	ubiquitin specific peptidase 19	10869	1700.678027	-0.239273008	0.488501916	-0.489809764	0.624268521	0.999371363	Not Sig
ENSG00000129295	LRRC6	leucine rich repeat containing 6	23639	190.4836292	-0.239245946	0.580796357	-0.411927422	0.680392621	0.999371363	Not Sig
ENSG00000182359	KBTBD3	kelch repeat and BTB domain containing 3	143879	144.322053	-0.239224736	0.508140002	-0.470785089	0.637794214	0.999371363	Not Sig
ENSG00000091527	CDV3	CDV3 homolog	55573	4130.552703	-0.239173107	0.509093653	-0.469801785	0.638496639	0.999371363	Not Sig
ENSG00000129484	PARP2	poly(ADP-ribose) polymerase 2	10038	288.7610618	-0.239136836	0.550576967	-0.434338612	0.664042569	0.999371363	Not Sig
ENSG00000008869	HEATR5B	HEAT repeat containing 5B	54497	1485.939073	-0.239092241	0.417290522	-0.572963506	0.566669404	0.999371363	Not Sig
ENSG00000207652	MIR621	microRNA 621	693206	28.59183742	-0.238980511	0.726630007	-0.328888855	0.742239698	0.999371363	Not Sig
ENSG00000137100	DCTN3	dynactin subunit 3	11258	387.3481051	-0.238964067	0.543494144	-0.439681034	0.660168141	0.999371363	Not Sig
ENSG00000198561	CTNND1	catenin delta 1	1500	10434.35059	-0.238960009	0.390509513	-0.611918534	0.540591659	0.999371363	Not Sig
ENSG00000233672	NA	NA	NA	8.17099549	-0.238933963	1.152747562	-0.207273449	0.835796309	0.999371363	Not Sig
ENSG00000238716	NA	NA	NA	9.303387599	-0.238873653	0.994681063	-0.240151002	0.810213197	0.999371363	Not Sig
ENSG00000250404	NA	NA	NA	55.33821898	-0.238652063	0.626069249	-0.381191116	0.703061408	0.999371363	Not Sig
ENSG00000228395	NA	NA	NA	11.11305887	-0.238638829	0.887212744	-0.26897588	0.787948244	0.999371363	Not Sig
ENSG00000104320	NBN	nibrin	4683	1246.208811	-0.238608536	0.452124906	-0.527749153	0.597673453	0.999371363	Not Sig
ENSG00000136143	SUCLA2	succinate-CoA ligase ADP-forming beta subunit	8803	556.4616585	-0.238579827	0.527322824	-0.452435996	0.65095492	0.999371363	Not Sig
ENSG00000223750	NA	NA	NA	2.868239449	-0.238444919	1.431782312	-0.166537131	0.867734265	NA	NA
ENSG00000101019	UQCC1	ubiquinol-cytochrome c reductase complex assembly factor 1	55245	719.9137866	-0.238113962	0.417862339	-0.569838293	0.568787381	0.999371363	Not Sig
ENSG00000199279	NA	NA	NA	1.378894172	-0.238059164	2.078570554	-0.11453023	0.908817484	NA	NA
ENSG00000263916	NA	NA	NA	7.860704381	-0.238025298	1.009285014	-0.235835562	0.813560272	0.999371363	Not Sig
ENSG00000101440	ASIP	agouti signaling protein	434	0.962607748	-0.237964332	2.324184946	-0.102386143	0.918450182	NA	NA
ENSG00000240299	NA	NA	NA	0.962607748	-0.237964332	2.324184946	-0.102386143	0.918450182	NA	NA
ENSG00000245688	NA	NA	NA	0.962607748	-0.237964332	2.324184946	-0.102386143	0.918450182	NA	NA
ENSG00000141002	TCF25	transcription factor 25	22980	2071.840898	-0.237937587	0.421749762	-0.564167684	0.572640018	0.999371363	Not Sig
ENSG00000127399	LRRC61	leucine rich repeat containing 61	65999	243.4607253	-0.237896403	0.587838444	-0.404696912	0.685700313	0.999371363	Not Sig
ENSG00000100941	PNN	pinin, desmosome associated protein	5411	2010.75538	-0.237613245	0.458690578	-0.518025127	0.604440738	0.999371363	Not Sig
ENSG00000110092	CCND1	cyclin D1	595	8569.260696	-0.237580821	0.56765748	-0.418528478	0.67556077	0.999371363	Not Sig
ENSG00000260236	NA	NA	NA	29.93626835	-0.23722518	0.672032201	-0.352996746	0.72409088	0.999371363	Not Sig
ENSG00000106483	SFRP4	secreted frizzled related protein 4	6424	923.4477625	-0.23721238	0.823424173	-0.288080418	0.773285182	0.999371363	Not Sig
ENSG00000223508	NA	NA	NA	93.67764927	-0.237156372	0.609956445	-0.3888087	0.697417665	0.999371363	Not Sig
ENSG00000227962	NA	NA	NA	9.650864843	-0.237056924	0.998524168	-0.237407297	0.812340829	0.999371363	Not Sig
ENSG00000165244	ZNF367	zinc finger protein 367	195828	120.9573795	-0.236777947	0.85712287	-0.27624738	0.782358069	0.999371363	Not Sig

ENSG00000165525	NEMF	nuclear export mediator factor	9147	1860.187812	-0.236720869	0.545032624	-0.434324219	0.664053019	0.999371363	Not Sig
ENSG00000170448	NFXL1	nuclear transcription factor, X-box binding like 1	152518	599.8655232	-0.236589564	0.596425026	-0.396679471	0.69160384	0.999371363	Not Sig
ENSG00000104679	R3HCC1	R3H domain and coiled-coil containing 1	203069	443.2419471	-0.236344786	0.698082617	-0.338562772	0.734939131	0.999371363	Not Sig
ENSG00000158941	CCAR2	cell cycle and apoptosis regulator 2	57805	1876.043037	-0.2363204	0.625013483	-0.378104483	0.705352978	0.999371363	Not Sig
ENSG00000170759	KIF5B	kinesin family member 5B	3799	6075.285508	-0.2363038	0.437942674	-0.539577012	0.589488773	0.999371363	Not Sig
ENSG00000228737	NA	NA	NA	1.308363537	-0.236267386	2.836392369	-0.083298555	0.933614149	NA	NA
ENSG00000113575	PPP2CA	protein phosphatase 2 catalytic subunit alpha	5515	1372.750426	-0.236266657	0.554791981	-0.425865306	0.670205997	0.999371363	Not Sig
ENSG00000224019	NA	NA	NA	12.18242099	-0.235950892	0.980947552	-0.240533646	0.809916583	0.999371363	Not Sig
ENSG00000196636	SDHAF3	succinate dehydrogenase complex assembly factor 3	57001	120.1540242	-0.235643611	0.673908861	-0.349666884	0.72658871	0.999371363	Not Sig
ENSG00000176105	YES1	YES proto-oncogene 1, Src family tyrosine kinase	7525	1370.790382	-0.235614147	0.564353029	-0.417494254	0.676316926	0.999371363	Not Sig
ENSG00000197050	ZNF420	zinc finger protein 420	147923	206.6435034	-0.235549371	0.434258636	-0.542417242	0.587531105	0.999371363	Not Sig
ENSG00000230306	NA	NA	NA	5.024204738	-0.235448349	1.42742361	-0.164946374	0.868986191	NA	NA
ENSG00000263660	NA	NA	NA	3.966439383	-0.235430424	1.416069489	-0.166256265	0.867955283	NA	NA
ENSG00000139239	NA	NA	NA	14.02366106	-0.235400425	0.885911752	-0.265715433	0.790458377	0.999371363	Not Sig
ENSG00000204104	TRAF3IP1	TRAF3 interacting protein 1	26146	644.9577225	-0.235294295	0.413500821	-0.569029812	0.569335909	0.999371363	Not Sig
ENSG00000211790	NA	NA	NA	5.585713989	-0.235288928	1.458669733	-0.16130377	0.871854154	NA	NA
ENSG00000005812	FBXL3	F-box and leucine rich repeat protein 3	26224	1270.610144	-0.235227129	0.463593799	-0.507399214	0.611874737	0.999371363	Not Sig
ENSG00000265102	MIR3942	microRNA 3942	100500904	7.081691653	-0.235108374	1.247776692	-0.188421835	0.850545984	0.999371363	Not Sig
ENSG00000197122	SRC	SRC proto-oncogene, non-receptor tyrosine kinase	6714	1541.896327	-0.235025657	0.520908375	-0.451184255	0.651856757	0.999371363	Not Sig
ENSG00000170515	PA2G4	proliferation-associated 2G4	5036	990.0255908	-0.234938683	0.394014033	-0.596269837	0.550994978	0.999371363	Not Sig
ENSG00000212443	SNORA53	small nucleolar RNA, H/ACA box 53	677832	102.1364444	-0.234923128	0.481812095	-0.487582463	0.62584562	0.999371363	Not Sig
ENSG00000121542	SEC22A	SEC22 homolog A, vesicle trafficking protein	26984	214.4268829	-0.234487189	0.545440466	-0.429904278	0.667265274	0.999371363	Not Sig
ENSG00000149716	ORAOV1	oral cancer overexpressed 1	220064	366.5472899	-0.234397403	0.466718498	-0.502224369	0.615509703	0.999371363	Not Sig
ENSG00000269620	NA	NA	NA	10.46627312	-0.234356503	0.985339622	-0.237843377	0.812002574	0.999371363	Not Sig
ENSG00000132205	EMILIN2	elastin microfibril interfacier 2	84034	1306.331074	-0.234326515	0.791295867	-0.296130088	0.767130737	0.999371363	Not Sig
ENSG00000257242	LINC01619	long intergenic non-protein coding RNA 1619	256021	87.68767801	-0.234267619	0.667816382	-0.350796454	0.725741058	0.999371363	Not Sig
ENSG00000080503	SMARCA2	SMARCA2, SMARCA2-like, SMARCA2-like 2, SMARCA2-like 3, SMARCA2-like 4, SMARCA2-like 5, SMARCA2-like 6, SMARCA2-like 7, SMARCA2-like 8, SMARCA2-like 9, SMARCA2-like 10, SMARCA2-like 11, SMARCA2-like 12, SMARCA2-like 13, SMARCA2-like 14, SMARCA2-like 15, SMARCA2-like 16, SMARCA2-like 17, SMARCA2-like 18, SMARCA2-like 19, SMARCA2-like 20, SMARCA2-like 21, SMARCA2-like 22, SMARCA2-like 23, SMARCA2-like 24, SMARCA2-like 25, SMARCA2-like 26, SMARCA2-like 27, SMARCA2-like 28, SMARCA2-like 29, SMARCA2-like 30, SMARCA2-like 31, SMARCA2-like 32, SMARCA2-like 33, SMARCA2-like 34, SMARCA2-like 35, SMARCA2-like 36, SMARCA2-like 37, SMARCA2-like 38, SMARCA2-like 39, SMARCA2-like 40, SMARCA2-like 41, SMARCA2-like 42, SMARCA2-like 43, SMARCA2-like 44, SMARCA2-like 45, SMARCA2-like 46, SMARCA2-like 47, SMARCA2-like 48, SMARCA2-like 49, SMARCA2-like 50, SMARCA2-like 51, SMARCA2-like 52, SMARCA2-like 53, SMARCA2-like 54, SMARCA2-like 55, SMARCA2-like 56, SMARCA2-like 57, SMARCA2-like 58, SMARCA2-like 59, SMARCA2-like 60, SMARCA2-like 61, SMARCA2-like 62, SMARCA2-like 63, SMARCA2-like 64, SMARCA2-like 65, SMARCA2-like 66, SMARCA2-like 67, SMARCA2-like 68, SMARCA2-like 69, SMARCA2-like 70, SMARCA2-like 71, SMARCA2-like 72, SMARCA2-like 73, SMARCA2-like 74, SMARCA2-like 75, SMARCA2-like 76, SMARCA2-like 77, SMARCA2-like 78, SMARCA2-like 79, SMARCA2-like 80, SMARCA2-like 81, SMARCA2-like 82, SMARCA2-like 83, SMARCA2-like 84, SMARCA2-like 85, SMARCA2-like 86, SMARCA2-like 87, SMARCA2-like 88, SMARCA2-like 89, SMARCA2-like 90, SMARCA2-like 91, SMARCA2-like 92, SMARCA2-like 93, SMARCA2-like 94, SMARCA2-like 95, SMARCA2-like 96, SMARCA2-like 97, SMARCA2-like 98, SMARCA2-like 99, SMARCA2-like 100	6595	3100.354863	-0.233979853	0.58473387	-0.400147598	0.689047808	0.999371363	Not Sig
ENSG00000137713	PPP2R1B	protein phosphatase 2 scaffold subunit Abeta	5519	952.0562658	-0.233924092	0.491566965	-0.475874314	0.634163923	0.999371363	Not Sig
ENSG00000223509	NA	NA	NA	215.3043189	-0.233860805	0.538557389	-0.434235625	0.664117345	0.999371363	Not Sig
ENSG00000207642	MIR571	microRNA 571	693156	7.375719733	-0.233846381	1.005215227	-0.232633146	0.816046287	0.999371363	Not Sig
ENSG00000149054	ZNF215	zinc finger protein 215	7762	77.44145782	-0.233809971	0.913033637	-0.256080347	0.797888797	0.999371363	Not Sig
ENSG00000198807	PAX9	paired box 9	5083	150.9958112	-0.233530289	0.805081789	-0.290070267	0.771762482	0.999371363	Not Sig
ENSG00000170889	RPS9	ribosomal protein S9	6203	5838.049187	-0.233419658	0.55766654	-0.418564932	0.675534123	0.999371363	Not Sig
ENSG00000077312	SNRPA	small nuclear ribonucleoprotein polypeptide A	6626	537.7302749	-0.233402661	0.415575788	-0.561636813	0.574363494	0.999371363	Not Sig
ENSG00000268050	NA	NA	NA	8.126027415	-0.233391553	0.907670108	-0.257132576	0.79707643	0.999371363	Not Sig

ENSG00000138036	DYNC2LI1	dynein cytoplasmic 2 light intermediate chain 1	51626	382.1359809	-0.233367086	0.431558112	-0.54075472	0.588676656	0.999371363	Not Sig
ENSG00000123200	ZC3H13	zinc finger CCCH-type containing 13	23091	2488.820891	-0.233225968	0.403542269	-0.577946814	0.563300028	0.999371363	Not Sig
ENSG00000113712	CSNK1A1	casein kinase 1 alpha 1	1452	3052.899315	-0.233157593	0.459385983	-0.50754181	0.611774708	0.999371363	Not Sig
ENSG00000204186	ZDBF2	zinc finger DBF-type containing 2	57683	530.5161639	-0.233102863	0.494876374	-0.471032514	0.637617517	0.999371363	Not Sig
ENSG00000164024	METAP1	methionyl aminopeptidase 1	23173	856.4017253	-0.23300222	0.518650947	-0.449246688	0.653253711	0.999371363	Not Sig
ENSG00000225224	NA	NA	NA	75.85350739	-0.232921638	0.717338345	-0.324702618	0.745406153	0.999371363	Not Sig
ENSG00000243738	NA	NA	NA	5.313904274	-0.232903474	1.316905405	-0.176856647	0.859620993	NA	NA
ENSG00000130559	CAMSAP1	calmodulin regulated spectrin associated protein 1	157922	1414.672094	-0.232868305	0.430145887	-0.541370525	0.588252219	0.999371363	Not Sig
ENSG00000095380	NANS	N-acetylneuraminate synthase	54187	822.2938071	-0.232865941	0.514960985	-0.452201133	0.651124092	0.999371363	Not Sig
ENSG00000101158	NELFCD	negative elongation factor complex member C/D	51497	857.8267471	-0.232864029	0.42717199	-0.545129443	0.585664494	0.999371363	Not Sig
ENSG00000073584	SMARCE1	<small>SMARCE1 related, matrix associated, actin dependent regulator of chromatin, subfamily 1, member 1</small>	6605	928.8479447	-0.232387489	0.546452464	-0.425265699	0.670642995	0.999371363	Not Sig
ENSG00000168818	STX18	syntaxin 18	53407	667.8176565	-0.232166464	0.386615752	-0.600509582	0.548166677	0.999371363	Not Sig
ENSG00000213997	NA	NA	NA	12.65025254	-0.232117896	0.9289206	-0.249879157	0.802680802	0.999371363	Not Sig
ENSG00000163781	TOPBP1	DNA topoisomerase II binding protein 1	11073	1032.31158	-0.232090983	0.588724505	-0.39422681	0.693413594	0.999371363	Not Sig
ENSG00000211997	MIR708	microRNA 708	100126333	1.999166953	-0.232063287	1.844315109	-0.125826268	0.899869448	NA	NA
ENSG00000141127	PRPSAP2	phosphoribosyl pyrophosphate synthetase associated protein 2	5636	514.9571528	-0.232038559	0.436262955	-0.531877749	0.594810669	0.999371363	Not Sig
ENSG00000147324	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	9258	1713.764052	-0.232021111	0.509521918	-0.455370227	0.648842911	0.999371363	Not Sig
ENSG00000237631	NA	NA	NA	13.55029017	-0.231937715	0.96697895	-0.23985808	0.810440279	0.999371363	Not Sig
ENSG00000144468	RHBDD1	rhomboid domain containing 1	84236	727.8855972	-0.231896257	0.491526911	-0.471787509	0.637078468	0.999371363	Not Sig
ENSG00000244265	NA	NA	NA	4.652393676	-0.231877435	1.240928384	-0.186858032	0.851771946	NA	NA
ENSG00000129566	TEP1	telomerase associated protein 1	7011	2310.975983	-0.231863974	0.46427702	-0.499408682	0.617491504	0.999371363	Not Sig
ENSG00000091039	OSBPL8	oxysterol binding protein like 8	114882	2681.09465	-0.231810317	0.548979644	-0.422256671	0.672837681	0.999371363	Not Sig
ENSG00000197714	ZNF460	zinc finger protein 460	10794	1754.139033	-0.231636085	0.464493584	-0.49868522	0.618001159	0.999371363	Not Sig
ENSG00000132849	PATJ	PATJ, crumbs cell polarity complex component	10207	4291.905512	-0.231626685	0.658433929	-0.351784249	0.725000072	0.999371363	Not Sig
ENSG00000266368	NA	NA	NA	1.482907742	-0.231537445	2.310369826	-0.100216616	0.920172355	NA	NA
ENSG00000104518	GSDMD	gasdermin D	79792	1552.966707	-0.231535966	0.654782128	-0.353607644	0.723632945	0.999371363	Not Sig
ENSG00000172869	DMXL1	Dmx like 1	1657	2358.239133	-0.231483215	0.498477381	-0.46438058	0.642375101	0.999371363	Not Sig
ENSG00000182197	EXT1	exostosin glycosyltransferase 1	2131	1680.231479	-0.231362502	0.413948455	-0.558916211	0.576218905	0.999371363	Not Sig
ENSG00000228972	NA	NA	NA	48.54094937	-0.23106655	0.930956044	-0.248203502	0.803976957	0.999371363	Not Sig
ENSG00000174738	NR1D2	nuclear receptor subfamily 1 group D member 2	9975	1417.821601	-0.231058812	0.460980565	-0.501233305	0.616206938	0.999371363	Not Sig
ENSG00000147592	LACTB2	lactamase beta 2	51110	517.0606538	-0.230723276	0.72139497	-0.319829338	0.749097706	0.999371363	Not Sig
ENSG00000232838	PET117	PET117 homolog	100303755	30.16783175	-0.230679468	0.624060124	-0.369643019	0.711648493	0.999371363	Not Sig
ENSG00000074201	CLNS1A	chloride nucleotide-sensitive channel 1A	1207	997.5641879	-0.230512516	0.47540877	-0.484872241	0.627766975	0.999371363	Not Sig
ENSG00000177335	C8orf31	chromosome 8 open reading frame 31 (putative)	286122	84.04628393	-0.23045477	0.500741555	-0.460226974	0.645353312	0.999371363	Not Sig
ENSG00000230629	NA	NA	NA	17.48413089	-0.230398455	0.933281203	-0.246869276	0.805009395	0.999371363	Not Sig

ENSG00000112679	DUSP22	dual specificity phosphatase 22	56940	1076.540922	-0.230324065	0.453617441	-0.50774958	0.611628973	0.999371363	Not Sig
ENSG00000138032	PPM1B	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1B	5495	1041.64811	-0.230299792	0.524904064	-0.438746445	0.660845269	0.999371363	Not Sig
ENSG00000187186	LOC730098	uncharacterized LOC730098	730098	4.889735722	-0.230292055	1.152774519	-0.199771986	0.841658912	NA	NA
ENSG00000112079	STK38	serine/threonine kinase 38	11329	1520.312544	-0.230205241	0.562553397	-0.409214915	0.68238195	0.999371363	Not Sig
ENSG00000147202	DIAPH2	diaphanous related formin 2	1730	1142.552741	-0.230171812	0.429334743	-0.53611271	0.591880657	0.999371363	Not Sig
ENSG00000074527	NTN4	netrin 4	59277	1605.661436	-0.230159832	0.559136095	-0.411634723	0.680607177	0.999371363	Not Sig
ENSG00000205517	RGL3	ral guanine nucleotide dissociation stimulator like 3	57139	553.1709036	-0.230129464	0.63659928	-0.361498152	0.717727086	0.999371363	Not Sig
ENSG00000055955	ITIH4	inter-alpha-trypsin inhibitor heavy chain family member 4	3700	15.47223309	-0.230055804	0.907945696	-0.253380576	0.799974136	0.999371363	Not Sig
ENSG00000101079	NDRG3	NDRG family member 3	57446	499.8171352	-0.229998	0.453957385	-0.50665108	0.612399661	0.999371363	Not Sig
ENSG00000176973	FAM89B	family with sequence similarity 89 member B	23625	149.8690508	-0.229988744	0.46851164	-0.490892272	0.623502643	0.999371363	Not Sig
ENSG00000042429	MED17	mediator complex subunit 17	9440	698.3273769	-0.229964476	0.455863295	-0.504459293	0.61393866	0.999371363	Not Sig
ENSG00000106089	STX1A	syntaxin 1A	6804	222.3680342	-0.229954845	0.790846539	-0.290770501	0.771226848	0.999371363	Not Sig
ENSG00000140577	CRTC3	CREB regulated transcription coactivator 3	64784	1563.597964	-0.229919324	0.469971332	-0.489219891	0.624686029	0.999371363	Not Sig
ENSG00000269834	ZNF528-AS1	ZNF528 antisense RNA 1	102724105	102.086426	-0.229855852	0.519089135	-0.442806132	0.657905967	0.999371363	Not Sig
ENSG00000263621	NA	NA	NA	13.08014939	-0.229696552	0.825164993	-0.278364393	0.78073265	0.999371363	Not Sig
ENSG00000261758	NA	NA	NA	5.280117285	-0.229656928	1.144036888	-0.20074259	0.840899855	NA	NA
ENSG00000205639	MFSD2B	major facilitator superfamily domain containing 2B	388931	12.4257181	-0.229501468	1.12864481	-0.20334251	0.838867331	0.999371363	Not Sig
ENSG00000100211	CBY1	chibby family member 1, beta catenin antagonist	25776	410.1467464	-0.2294857	0.481959134	-0.476151782	0.633966249	0.999371363	Not Sig
ENSG00000145901	TNIP1	TNFAIP3 interacting protein 1	10318	3168.660465	-0.229425961	0.579476905	-0.395919076	0.692164728	0.999371363	Not Sig
ENSG00000251485	NA	NA	NA	7.116098603	-0.229309586	1.006238421	-0.227887925	0.81973337	0.999371363	Not Sig
ENSG00000247708	STX18-AS1	STX18 antisense RNA 1 (head to head)	100507266	84.95164355	-0.229300288	0.487732834	-0.470135025	0.638258552	0.999371363	Not Sig
ENSG00000165752	STK32C	serine/threonine kinase 32C	282974	212.9190045	-0.229204985	0.733441449	-0.312506179	0.754655868	0.999371363	Not Sig
ENSG00000138660	AP1AR	adaptor related protein complex 1 associated regulatory protein	55435	435.3244012	-0.229189238	0.554821691	-0.413086297	0.679543388	0.999371363	Not Sig
ENSG00000221949	LINC01465	long intergenic non-protein coding RNA 1465	283416	12.43655137	-0.229052038	0.785827546	-0.29147876	0.770685186	0.999371363	Not Sig
ENSG00000147789	ZNF7	zinc finger protein 7	7553	736.7332445	-0.229021471	0.477261412	-0.479865887	0.631322759	0.999371363	Not Sig
ENSG00000251634	NA	NA	NA	49.23422348	-0.228793573	0.586831127	-0.38987975	0.696625469	0.999371363	Not Sig
ENSG00000263712	MIR4639	microRNA 4639	100616269	5.80041728	-0.228771652	1.032331769	-0.221606715	0.824620055	NA	NA
ENSG00000185482	STAC3	SH3 and cysteine rich domain 3	246329	72.36502665	-0.228744216	0.845382392	-0.270580767	0.78671349	0.999371363	Not Sig
ENSG00000196741	NA	NA	NA	29.36313569	-0.228650367	0.572652259	-0.399283097	0.68968462	0.999371363	Not Sig
ENSG00000183856	IQGAP3	IQ motif containing GTPase activating protein 3	128239	343.3920616	-0.228614842	1.025381322	-0.222955926	0.823569809	0.999371363	Not Sig
ENSG00000268849	NA	NA	NA	17.90163351	-0.228560053	0.992159676	-0.230366199	0.817807224	0.999371363	Not Sig
ENSG00000100342	APOL1	apolipoprotein L1	8542	2023.331895	-0.22848719	0.601214162	-0.380042928	0.70391355	0.999371363	Not Sig
ENSG00000205771	CATSPER2P1	cation channel sperm associated 2 pseudogene 1	440278	62.95854194	-0.228375805	0.683070115	-0.334337281	0.738125061	0.999371363	Not Sig
ENSG00000138758	11-Sep	septin 11	55752	2749.365063	-0.22836321	0.44921095	-0.508365189	0.611197261	0.999371363	Not Sig
ENSG00000164587	RPS14	ribosomal protein S14	6208	5705.196003	-0.228358955	0.517711487	-0.441093081	0.659145612	0.999371363	Not Sig

ENSG00000064666	CNN2	calponin 2	1265	2954.944393	-0.228240312	0.469596862	-0.486034577	0.626942651	0.999371363	Not Sig
ENSG00000125046	SSUH2	ssu-2 homolog (C. elegans)	51066	11.34484431	-0.228227451	0.937722175	-0.243384935	0.807707213	0.999371363	Not Sig
ENSG00000138785	INTS12	integrator complex subunit 12	57117	353.5263305	-0.228153815	0.428806801	-0.532066669	0.594679807	0.999371363	Not Sig
ENSG00000268565	NA	NA	NA	11.6693607	-0.227948748	0.970214758	-0.234946692	0.814250108	0.999371363	Not Sig
ENSG00000134285	FKBP11	FK506 binding protein 11	51303	422.0524822	-0.227923712	0.532136122	-0.428318437	0.668419298	0.999371363	Not Sig
ENSG00000130640	TUBGCP2	tubulin gamma complex associated protein 2	10844	1486.434665	-0.227876716	0.416459437	-0.547176259	0.584257645	0.999371363	Not Sig
ENSG00000170325	PRDM10	PR/SET domain 10	56980	389.1196279	-0.227822566	0.429987164	-0.529835737	0.596225825	0.999371363	Not Sig
ENSG00000166501	PRKCB	protein kinase C beta	5579	688.3728475	-0.227790513	0.868390981	-0.262313311	0.793079901	0.999371363	Not Sig
ENSG00000228323	NA	NA	NA	10.40288819	-0.227730564	0.888668395	-0.256260451	0.797749733	0.999371363	Not Sig
ENSG00000198816	ZNF358	zinc finger protein 358	140467	671.6383019	-0.227470905	0.767949726	-0.296205465	0.767073176	0.999371363	Not Sig
ENSG00000122873	CISD1	CDGSH iron sulfur domain 1	55847	223.0313549	-0.227446226	0.522500878	-0.43530305	0.663342471	0.999371363	Not Sig
ENSG00000173581	CCDC106	coiled-coil domain containing 106	29903	189.7987459	-0.227335814	0.770565199	-0.295024762	0.767974964	0.999371363	Not Sig
ENSG00000169554	ZEB2	zinc finger E-box binding homeobox 2	9839	3953.360802	-0.227227109	0.664259616	-0.342075754	0.732293883	0.999371363	Not Sig
ENSG00000156273	BACH1	BTB domain and CNC homolog 1	571	2386.244065	-0.227189271	0.431489007	-0.526523891	0.598524257	0.999371363	Not Sig
ENSG00000156273	GRIK1-AS2	GRIK1 antisense RNA 2	100379661	2386.244065	-0.227189271	0.431489007	-0.526523891	0.598524257	0.999371363	Not Sig
ENSG00000078246	TULP3	tubby like protein 3	7289	462.9475704	-0.227141075	0.490107564	-0.463451479	0.643040786	0.999371363	Not Sig
ENSG00000225079	NA	NA	NA	14.08359043	-0.227126048	0.935761176	-0.242717964	0.80822389	0.999371363	Not Sig
ENSG00000196757	ZNF700	zinc finger protein 700	90592	325.0125302	-0.227049327	0.449492009	-0.505124278	0.61347155	0.999371363	Not Sig
ENSG00000261652	C15orf65	chromosome 15 open reading frame 65	145788	21.93681855	-0.226943366	0.86776633	-0.261525895	0.793686983	0.999371363	Not Sig
ENSG00000204822	MRPL53	mitochondrial ribosomal protein L53	116540	35.54033932	-0.226822737	0.570707353	-0.397441413	0.691041982	0.999371363	Not Sig
ENSG00000198420	TCAF1	TRPM8 channel associated factor 1	9747	986.2272779	-0.226794412	0.489462266	-0.463354231	0.643110479	0.999371363	Not Sig
ENSG00000086730	LAT2	linker for activation of T-cells family member 2	7462	444.265438	-0.226536176	0.685421265	-0.330506489	0.741017291	0.999371363	Not Sig
ENSG00000161091	MFSD12	major facilitator superfamily domain containing 12	126321	1146.76328	-0.226488901	0.524225967	-0.432044415	0.665709133	0.999371363	Not Sig
ENSG00000100413	POLR3H	RNA polymerase III subunit H	171568	1005.894374	-0.226469205	0.573723067	-0.394736098	0.693037659	0.999371363	Not Sig
ENSG00000152439	ZNF773	zinc finger protein 773	374928	152.4830096	-0.226446182	0.469213275	-0.482608217	0.629373943	0.999371363	Not Sig
ENSG00000179933	C14orf119	chromosome 14 open reading frame 119	55017	709.0003403	-0.226435587	0.49993251	-0.452932312	0.650597483	0.999371363	Not Sig
ENSG00000063177	RPL18	ribosomal protein L18	6141	5077.777153	-0.226360992	0.48821124	-0.46365379	0.642895809	0.999371363	Not Sig
ENSG00000152193	RNF219	ring finger protein 219	79596	349.8014552	-0.226283086	0.472571209	-0.478833838	0.632056842	0.999371363	Not Sig
ENSG00000251535	NA	NA	NA	14.83746827	-0.226198678	0.923979112	-0.244809298	0.806604094	0.999371363	Not Sig
ENSG00000167550	RHEBL1	RHEB like 1	121268	17.73983241	-0.226156713	1.044113815	-0.21660159	0.828518846	0.999371363	Not Sig
ENSG00000119906	SLF2	SMC5-SMC6 complex localization factor 2	55719	1383.782873	-0.225723728	0.459718999	-0.491003696	0.623423833	0.999371363	Not Sig
ENSG00000174796	THAP6	THAP domain containing 6	152815	377.3314345	-0.225566459	0.590045257	-0.382286708	0.702248713	0.999371363	Not Sig
ENSG00000163884	KLF15	Kruppel like factor 15	28999	386.8799377	-0.225490736	1.08783534	-0.207283885	0.835788159	0.999371363	Not Sig
ENSG00000135390	ATP5G2	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit C2 (subunit 9)	517	1637.350989	-0.22548212	0.394000831	-0.572288438	0.567126581	0.999371363	Not Sig
ENSG00000165802	NSMF	NMDA receptor synaptic/lear signaling and neuronal migration factor	26012	793.3493183	-0.225468609	0.551494099	-0.408832315	0.682662723	0.999371363	Not Sig

ENSG00000104129	DNAJC17	DnaJ heat shock protein family (Hsp40) member C17	55192	355.8633849	-0.225440663	0.460440832	-0.489619181	0.624403401	0.999371363	Not Sig
ENSG00000253953	PCDHGB4	protocadherin gamma subfamily B, 4	8641	106.5412519	-0.225431593	0.669851996	-0.336539406	0.736464141	0.999371363	Not Sig
ENSG00000212864	RNF208	ring finger protein 208	727800	155.5790116	-0.225188373	0.612519054	-0.36764305	0.71313941	0.999371363	Not Sig
ENSG00000271533	NA	NA	NA	859.1923259	-0.225150487	0.894684421	-0.251653523	0.801308884	0.999371363	Not Sig
ENSG00000124257	NEURL2	neuralized E3 ubiquitin protein ligase 2	140825	45.43312495	-0.224878985	0.667436851	-0.336929232	0.736170249	0.999371363	Not Sig
ENSG00000197863	ZNF790	zinc finger protein 790	388536	159.7846348	-0.22480005	0.430576282	-0.522091113	0.601606894	0.999371363	Not Sig
ENSG00000079462	PAFAH1B3	platelet activating factor acetylhydrolase 1b catalytic subunit 3	5050	188.1715768	-0.224738803	0.525956766	-0.427295203	0.669164326	0.999371363	Not Sig
ENSG00000233098	LOC339260	uncharacterized LOC339260	339260	66.75750389	-0.224681659	0.742025638	-0.302795007	0.762046088	0.999371363	Not Sig
ENSG00000233098	CCDC144NL-AS1	CCDC144NL antisense RNA 1	440416	66.75750389	-0.224681659	0.742025638	-0.302795007	0.762046088	0.999371363	Not Sig
ENSG00000233098	LOC105369205	uncharacterized LOC105369205	105369205	66.75750389	-0.224681659	0.742025638	-0.302795007	0.762046088	0.999371363	Not Sig
ENSG00000213024	NUP62	nucleoporin 62	23636	942.7673206	-0.224481231	0.407230208	-0.551239143	0.58146975	0.999371363	Not Sig
ENSG00000112996	MRPS30	mitochondrial ribosomal protein S30	10884	848.6910658	-0.224445835	0.445608715	-0.503683675	0.614483682	0.999371363	Not Sig
ENSG00000144036	EXOC6B	exocyst complex component 6B	23233	1084.643879	-0.224404692	0.418165355	-0.536641042	0.591515589	0.999371363	Not Sig
ENSG00000249898	NA	NA	NA	16.41086198	-0.224313163	0.820069418	-0.273529483	0.784446232	0.999371363	Not Sig
ENSG00000270574	NA	NA	NA	37.34649162	-0.224262059	0.561918327	-0.39910081	0.689818925	0.999371363	Not Sig
ENSG00000207750	MIR553	microRNA 553	693138	9.036006485	-0.224087667	1.130496824	-0.198220519	0.842872534	0.999371363	Not Sig
ENSG00000251902	NA	NA	NA	6.809383035	-0.22407176	0.986089853	-0.227232599	0.82024288	0.999371363	Not Sig
ENSG00000198918	RPL39	ribosomal protein L39	6170	2410.550117	-0.224052152	0.674571704	-0.332139861	0.739783652	0.999371363	Not Sig
ENSG00000202058	NA	NA	NA	1278.363342	-0.224038908	0.409751703	-0.546767485	0.584538484	0.999371363	Not Sig
ENSG00000241553	ARPC4	actin related protein 2/3 complex subunit 4	10093	1359.981079	-0.223981785	0.447797543	-0.500185381	0.616944551	0.999371363	Not Sig
ENSG00000111796	KLRB1	killer cell lectin like receptor B1	3820	81.55725903	-0.223904932	0.861642459	-0.259858286	0.794973089	0.999371363	Not Sig
ENSG00000259315	ACTG1P17	actin gamma 1 pseudogene 17	283693	16.09512482	-0.223701148	0.727026762	-0.307693141	0.75831584	0.999371363	Not Sig
ENSG00000252947	SCARNA1	small Cajal body-specific RNA 1	677774	5.188414444	-0.223691756	1.171758489	-0.190902611	0.848601894	NA	NA
ENSG00000214552	NA	NA	NA	3.472205439	-0.223526409	1.273412536	-0.175533382	0.860660543	NA	NA
ENSG00000213757	NA	NA	NA	3.361754333	-0.223470584	1.369078764	-0.163226974	0.870339729	NA	NA
ENSG00000140525	FANCI	Fanconi anemia complementation group I	55215	458.5431347	-0.223303084	0.859329725	-0.259857279	0.794973866	0.999371363	Not Sig
ENSG00000230610	NA	NA	NA	1.826660111	-0.223195291	2.242111872	-0.099546902	0.92070405	NA	NA
ENSG00000213762	ZNF134	zinc finger protein 134	7693	454.056686	-0.223194583	0.414363762	-0.53864407	0.590132473	0.999371363	Not Sig
ENSG00000123609	NMI	N-myc and STAT interactor	9111	525.8071086	-0.223116271	0.532553944	-0.41895525	0.675248837	0.999371363	Not Sig
ENSG00000143353	LYPLAL1	lysophospholipase like 1	127018	403.6852186	-0.223071265	0.647168761	-0.344687938	0.730328988	0.999371363	Not Sig
ENSG00000131845	ZNF304	zinc finger protein 304	57343	364.7644371	-0.22305291	0.422039404	-0.528512049	0.597143987	0.999371363	Not Sig
ENSG00000069956	MAPK6	mitogen-activated protein kinase 6	5597	1300.449584	-0.222884787	0.641294962	-0.347554246	0.728174973	0.999371363	Not Sig
ENSG00000104228	TRIM35	tripartite motif containing 35	23087	473.8452992	-0.222743399	0.680570306	-0.32728933	0.743449062	0.999371363	Not Sig
ENSG00000111785	RIC8B	RIC8 guanine nucleotide exchange factor B	55188	383.3053988	-0.222688528	0.441982542	-0.5038401	0.614373746	0.999371363	Not Sig
ENSG00000019102	VSIG2	V-set and immunoglobulin domain containing 2	23584	457.9121936	-0.222445278	1.013507706	-0.219480598	0.826275692	0.999371363	Not Sig

ENSG00000207371	NA	NA	NA	0.969045283	-0.222395499	2.322080162	-0.095774256	0.923699864	NA	NA
ENSG00000213076	NA	NA	NA	0.969045283	-0.222395499	2.322080162	-0.095774256	0.923699864	NA	NA
ENSG00000232801	NA	NA	NA	0.969045283	-0.222395499	2.322080162	-0.095774256	0.923699864	NA	NA
ENSG00000186468	RPS23	ribosomal protein S23	6228	6577.394259	-0.222368781	0.433894059	-0.512495565	0.608304224	0.999371363	Not Sig
ENSG00000067365	METTL22	methyltransferase like 22	79091	406.3860953	-0.22236827	0.443352054	-0.501561384	0.615976089	0.999371363	Not Sig
ENSG00000164638	SLC29A4	solute carrier family 29 member 4	222962	351.5434158	-0.222293804	0.971521278	-0.228810021	0.819016578	0.999371363	Not Sig
ENSG00000257226	NA	NA	NA	1.172771351	-0.222268164	2.914397704	-0.076265557	0.939207828	NA	NA
ENSG00000226641	NA	NA	NA	3.055919015	-0.222247414	1.380850129	-0.1609497	0.872133017	NA	NA
ENSG00000111321	LTBR	lymphotoxin beta receptor	4055	2091.350575	-0.222234374	0.452701448	-0.490907141	0.623492126	0.999371363	Not Sig
ENSG00000070770	CSNK2A2	casein kinase 2 alpha 2	1459	1472.253234	-0.222231245	0.457158542	-0.486114169	0.626886222	0.999371363	Not Sig
ENSG00000164219	PGGT1B	protein geranylgeranyltransferase type I subunit beta	5229	600.2495415	-0.222210576	0.583902763	-0.380560925	0.703529081	0.999371363	Not Sig
ENSG00000130783	CCDC62	coiled-coil domain containing 62	84660	18.27657996	-0.222065171	0.7195113	-0.308633333	0.757600462	0.999371363	Not Sig
ENSG00000198961	PJA2	praja ring finger ubiquitin ligase 2	9867	4129.742276	-0.222050002	0.476136471	-0.466357894	0.640959346	0.999371363	Not Sig
ENSG00000139324	TMTC3	transmembrane and tetratricopeptide repeat containing 3	160418	868.0257488	-0.221871916	0.574520547	-0.386186216	0.699358761	0.999371363	Not Sig
ENSG00000234782	NA	NA	NA	8.805533275	-0.22187088	0.892468435	-0.248603616	0.803667411	0.999371363	Not Sig
ENSG00000234456	MAGI2-AS3	MAGI2 antisense RNA 3	100505881	558.9081336	-0.221779901	0.411165725	-0.539392969	0.589615731	0.999371363	Not Sig
ENSG00000139163	ETNK1	ethanolamine kinase 1	55500	2336.385713	-0.221776746	0.641848545	-0.345528158	0.729697345	0.999371363	Not Sig
ENSG00000129244	ATP1B2	ATPase Na ⁺ /K ⁺ transporting subunit beta 2	482	106.0914831	-0.221591065	0.978533524	-0.226452195	0.820849736	0.999371363	Not Sig
ENSG00000221500	SNORD100	small nucleolar RNA, C/D box 100	594838	14.35294982	-0.221514024	0.910784458	-0.243212345	0.807840904	0.999371363	Not Sig
ENSG00000143365	RORC	RAR related orphan receptor C	6097	1283.030356	-0.221474962	0.571716366	-0.38738608	0.698470407	0.999371363	Not Sig
ENSG00000207962	MIR30C1	microRNA 30c-1	407031	5.824579009	-0.221458761	1.08791969	-0.203561681	0.83869604	NA	NA
ENSG00000172732	MUS81	MUS81 structure-specific endonuclease subunit	80198	715.2264985	-0.221428421	0.563221716	-0.3931461	0.694211577	0.999371363	Not Sig
ENSG00000162998	FRZB	frizzled related protein	2487	248.6738215	-0.221365181	0.739028996	-0.299535177	0.764531736	0.999371363	Not Sig
ENSG00000169018	FEM1B	fem-1 homolog B	10116	2148.655475	-0.221194938	0.448699135	-0.492969388	0.622034217	0.999371363	Not Sig
ENSG00000261254	NA	NA	NA	82.09757217	-0.22109665	0.687082312	-0.321790629	0.747611314	0.999371363	Not Sig
ENSG00000091831	ESR1	estrogen receptor 1	2099	230.9454813	-0.221040845	0.905866111	-0.244010502	0.807222686	0.999371363	Not Sig
ENSG00000069869	NEDD4	neral precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase	4734	611.819636	-0.220961173	0.468014384	-0.472124747	0.636837749	0.999371363	Not Sig
ENSG00000087299	L2HGDH	L-2-hydroxyglutarate dehydrogenase	79944	222.9643746	-0.220929425	0.64360326	-0.343269586	0.731395659	0.999371363	Not Sig
ENSG00000223922	NA	NA	NA	13.49855666	-0.220647391	0.760785481	-0.290025764	0.771796527	0.999371363	Not Sig
ENSG00000198001	IRAK4	interleukin 1 receptor associated kinase 4	51135	593.3755414	-0.220488805	0.525045059	-0.419942635	0.674527361	0.999371363	Not Sig
ENSG00000258891	NA	NA	NA	3.071810799	-0.220383927	1.418384536	-0.155376713	0.876524342	NA	NA
ENSG00000078403	MLLT10	MLLT10, histone lysine methyltransferase DOT1L cofactor	8028	1087.355485	-0.220055278	0.466951746	-0.471259139	0.637455691	0.999371363	Not Sig
ENSG00000250714	NA	NA	NA	6.664729933	-0.220000691	1.044159246	-0.210696493	0.833124112	0.999371363	Not Sig
ENSG00000253626	EIF5A1	eukaryotic translation initiation factor 5A-like 1	143244	6.30439391	-0.219939177	1.577491989	-0.139423324	0.889115643	NA	NA
ENSG00000154920	EME1	essential meiotic structure-specific endonuclease 1	146956	31.81435773	-0.219895128	0.849525625	-0.258844609	0.795755138	0.999371363	Not Sig

ENSG00000106588	PSMA2	proteasome subunit alpha 2	5683	123.9396757	-0.219816067	0.588820274	-0.373316064	0.708913222	0.999371363	Not Sig
ENSG00000138279	ANXA7	annexin A7	310	1728.818868	-0.219813548	0.413743747	-0.531279444	0.595225148	0.999371363	Not Sig
ENSG00000067955	CBFB	core-binding factor beta subunit	865	1163.226462	-0.219807486	0.544178139	-0.403925608	0.686267425	0.999371363	Not Sig
ENSG00000183605	SFXN4	sideroflexin 4	119559	309.2344842	-0.21960678	0.551118138	-0.398474964	0.690280109	0.999371363	Not Sig
ENSG00000113593	PPWD1	peptidylprolyl isomerase domain and WD repeat containing 1	23398	770.6102871	-0.219541964	0.576576026	-0.380768458	0.703375066	0.999371363	Not Sig
ENSG00000101367	MAPRE1	microtubule associated protein RP/EB family member 1	22919	1890.342367	-0.21952872	0.421694278	-0.52058738	0.602654242	0.999371363	Not Sig
ENSG00000181467	RAP2B	RAP2B, member of RAS oncogene family	5912	1903.129466	-0.219291202	0.424551104	-0.516524867	0.605487876	0.999371363	Not Sig
ENSG00000170473	PYM1	PYM homolog 1, exon junction complex associated factor	84305	349.2082463	-0.21923815	0.422423589	-0.519000729	0.603760233	0.999371363	Not Sig
ENSG00000186275	NA	NA	NA	353.6021874	-0.21922474	0.484335313	-0.452630099	0.650815122	0.999371363	Not Sig
ENSG00000254328	NA	NA	NA	11.23432697	-0.219053498	0.812799182	-0.269505067	0.787541043	0.999371363	Not Sig
ENSG00000163006	CCDC138	coiled-coil domain containing 138	165055	122.6809133	-0.218973118	0.566870173	-0.386284424	0.699286035	0.999371363	Not Sig
ENSG00000125388	GRK4	G protein-coupled receptor kinase 4	2868	114.5531423	-0.218926274	0.486316375	-0.450172531	0.652586041	0.999371363	Not Sig
ENSG00000119383	PTPA	protein phosphatase 2 phosphatase activator	5524	1862.318329	-0.218841218	0.54585987	-0.400910984	0.688485663	0.999371363	Not Sig
ENSG00000235917	NA	NA	NA	17.2142651	-0.218808839	0.867828158	-0.252133832	0.800937621	0.999371363	Not Sig
ENSG00000032389	EIPR1	EARP complex and GARP complex interacting protein 1	7260	430.2585444	-0.218754922	0.522953783	-0.418306415	0.6757231	0.999371363	Not Sig
ENSG00000235297	NA	NA	NA	1.91534624	-0.21850367	1.827394746	-0.119571139	0.904822884	NA	NA
ENSG00000219409	NA	NA	NA	17.44544619	-0.218324551	0.725445215	-0.3009525	0.763450716	0.999371363	Not Sig
ENSG00000120071	KANSL1	KAT8 regulatory NSL complex subunit 1	284058	3083.137726	-0.218252994	0.418155376	-0.521942336	0.60171048	0.999371363	Not Sig
ENSG00000239932	NA	NA	NA	2.668814454	-0.218182298	1.611884773	-0.135358496	0.892328438	NA	NA
ENSG00000168209	DDIT4	DNA damage inducible transcript 4	54541	1879.510187	-0.217791456	0.529844958	-0.411047521	0.68103769	0.999371363	Not Sig
ENSG00000232040	ZBED9	zinc finger BED-type containing 9	114821	135.2832118	-0.217741129	0.804092334	-0.270791201	0.786551628	0.999371363	Not Sig
ENSG00000214717	ZBED1	zinc finger BED-type containing 1	9189	1762.384526	-0.21757544	0.421984719	-0.515600281	0.606133614	0.999371363	Not Sig
ENSG00000101363	MANBAL	mannosidase beta like	63905	502.5036902	-0.21750903	0.422510384	-0.514801621	0.606691652	0.999371363	Not Sig
ENSG00000181873	IBA57	IBA57 homolog, iron-sulfur cluster assembly	200205	577.4890316	-0.217496798	0.743076069	-0.292697891	0.769753082	0.999371363	Not Sig
ENSG00000225091	SNORA71A	small nucleolar RNA, H/ACA box 71A	26777	13.23491132	-0.217056374	0.734735416	-0.295421139	0.767672187	0.999371363	Not Sig
ENSG00000159905	ZNF221	zinc finger protein 221	7638	115.2047605	-0.217035204	0.560164752	-0.387448877	0.698423925	0.999371363	Not Sig
ENSG00000178385	PLEKHM3	pleckstrin homology domain containing M3	389072	535.9392814	-0.217010787	0.445096046	-0.487559459	0.625861917	0.999371363	Not Sig
ENSG00000233216	NA	NA	NA	1.052450989	-0.216994265	2.580364995	-0.084094407	0.932981371	NA	NA
ENSG00000265095	NA	NA	NA	1.052450989	-0.216994265	2.580364995	-0.084094407	0.932981371	NA	NA
ENSG00000258376	NA	NA	NA	16.52641092	-0.216942984	0.973715348	-0.222799183	0.823691804	0.999371363	Not Sig
ENSG00000182916	TCEAL7	transcription elongation factor A like 7	56849	23.52901962	-0.21684558	0.767195058	-0.282647259	0.777447249	0.999371363	Not Sig
ENSG00000100485	SOS2	SOS Ras/Rho guanine nucleotide exchange factor 2	6655	1857.220078	-0.216730318	0.465052839	-0.466033748	0.641191344	0.999371363	Not Sig
ENSG00000121101	TEX14	testis expressed 14, intercellular bridge forming factor	56155	12.35543242	-0.21669682	0.818064421	-0.264889677	0.791094451	0.999371363	Not Sig
ENSG00000124140	SLC12A5	solute carrier family 12 member 5	57468	27.31396286	-0.216448806	0.8931428	-0.242345127	0.808512749	0.999371363	Not Sig
ENSG00000269482	NA	NA	NA	4.486020317	-0.21644251	1.163327604	-0.18605465	0.852401905	NA	NA

ENSG00000224616	NA	NA	NA	22.8039213	-0.216397441	0.870735078	-0.24852271	0.803730001	0.999371363	Not Sig
ENSG00000267546	NA	NA	NA	18.7561902	-0.216356958	0.801089123	-0.270078512	0.787099853	0.999371363	Not Sig
ENSG00000130368	MAS1	MAS1 proto-oncogene, G protein-coupled receptor	4142	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000211914	NA	NA	NA	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000244588	RAD21L1	RAD21 cohesin complex component like 1	642636	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000256797	KLRF2	killer cell lectin like receptor F2	100431172	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000263279	LOC105371079	uncharacterized LOC105371079	105371079	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000270442	NA	NA	NA	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000271092	TMEM56-RWDD3	TMEM56-RWDD3 readthrough	100527978	0.620272781	-0.216353003	4.012239229	-0.053923256	0.956996308	NA	NA
ENSG00000060138	YBX3	Y-box binding protein 3	8531	4612.797012	-0.216298432	0.446441126	-0.484494863	0.628034709	0.999371363	Not Sig
ENSG00000124164	VAPB	VAMP associated protein B and C	9217	1313.126132	-0.21620122	0.388794901	-0.55608039	0.5781559	0.999371363	Not Sig
ENSG00000162946	DISC1	disrupted in schizoprenia 1	27185	272.9432982	-0.216190572	0.559433012	-0.386445862	0.69916649	0.999371363	Not Sig
ENSG00000134987	WDR36	WD repeat domain 36	134430	1048.345136	-0.216174093	0.564003893	-0.383284753	0.701508643	0.999371363	Not Sig
ENSG00000152404	CWF19L2	CWF19 like 2, cell cycle control (S. pombe)	143884	774.9415462	-0.216140506	0.397626709	-0.543576426	0.586732985	0.999371363	Not Sig
ENSG00000151552	QDPR	quinoid dihydropteridine reductase	5860	413.3386642	-0.216065572	0.668801406	-0.323063873	0.74664687	0.999371363	Not Sig
ENSG00000179134	SAMD4B	sterile alpha motif domain containing 4B	55095	2145.142498	-0.215991158	0.422972369	-0.510650752	0.609595631	0.999371363	Not Sig
ENSG00000198707	CEP290	centrosomal protein 290	80184	1032.648816	-0.215958032	0.614531099	-0.351419208	0.725273874	0.999371363	Not Sig
ENSG00000255974	CYP2A6	cytochrome P450 family 2 subfamily A member 6	1548	6.775767056	-0.215913778	1.28633553	-0.167851834	0.866699843	0.999371363	Not Sig
ENSG00000204581	ACOXL-AS1	ACOXL antisense RNA 1	400997	8.928904969	-0.215797148	1.243646397	-0.173519698	0.862242946	0.999371363	Not Sig
ENSG00000165219	GAPVD1	GTPase activating protein and VPS9 domains 1	26130	2297.719027	-0.215608218	0.408069046	-0.528362101	0.597248037	0.999371363	Not Sig
ENSG00000224216	NA	NA	NA	8.845022446	-0.215569166	0.933715421	-0.230872449	0.817413895	0.999371363	Not Sig
ENSG00000147162	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase	8473	6326.523005	-0.215487452	0.541560378	-0.397901066	0.690703114	0.999371363	Not Sig
ENSG00000196363	WDR5	WD repeat domain 5	11091	706.8749599	-0.21531626	0.528853706	-0.407137659	0.683906886	0.999371363	Not Sig
ENSG00000127540	UQCR11	ubiquinol-cytochrome c reductase, complex III subunit XI	10975	194.4015298	-0.214869859	0.522173158	-0.411491582	0.680712113	0.999371363	Not Sig
ENSG00000181513	ACBD4	acyl-CoA binding domain containing 4	79777	334.5035333	-0.214844704	0.511324246	-0.42017312	0.67435899	0.999371363	Not Sig
ENSG00000204147	ASAH2B	N-acylsphingosine amidohydrolase 2B	653308	95.33633742	-0.214840642	0.829815866	-0.258901584	0.795711176	0.999371363	Not Sig
ENSG00000260038	NA	NA	NA	14.9700396	-0.214829601	0.764599251	-0.280970196	0.77873326	0.999371363	Not Sig
ENSG00000157657	ZNF618	zinc finger protein 618	114991	1249.859001	-0.214754929	0.548429	-0.391582009	0.695367083	0.999371363	Not Sig
ENSG00000037042	TUBG2	tubulin gamma 2	27175	332.8635422	-0.21445768	0.525457746	-0.408134967	0.68317459	0.999371363	Not Sig
ENSG00000243468	INGX	inhibitor of growth family, X-linked (pseudogene)	27160	2.571238419	-0.214395015	1.694306863	-0.12653848	0.899305691	NA	NA
ENSG00000172845	SP3	Sp3 transcription factor	6670	2849.973535	-0.2143583	0.532003515	-0.402926473	0.687002315	0.999371363	Not Sig
ENSG00000259917	NA	NA	NA	19.10228909	-0.214080603	0.790325831	-0.270876384	0.786486109	0.999371363	Not Sig
ENSG00000174151	CYB561D1	cytochrome b561 family member D1	284613	290.7511804	-0.213901018	0.679172392	-0.314943629	0.752804455	0.999371363	Not Sig
ENSG00000125375	ATP5S	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit s (factor B)	27109	293.1137148	-0.213881109	0.503918747	-0.424435706	0.671248085	0.999371363	Not Sig
ENSG00000124789	NUP153	nucleoporin 153	9972	2324.357129	-0.213872541	0.540557123	-0.395652062	0.692361724	0.999371363	Not Sig

ENSG00000248936	NA	NA	NA	6.092951621	-0.213812849	1.113270015	-0.192058392	0.847696467	NA	NA
ENSG00000265713	NA	NA	NA	47.87144518	-0.213533901	0.791834847	-0.269669744	0.787414339	0.999371363	Not Sig
ENSG00000198843	SELENOT	selenoprotein T	51714	1257.460666	-0.213403492	0.560459994	-0.380764898	0.703377708	0.999371363	Not Sig
ENSG00000252084	NA	NA	NA	2.226900033	-0.213258656	2.148402015	-0.09926385	0.92092878	NA	NA
ENSG00000099337	KCNK6	potassium two pore domain channel subfamily K member 6	9424	302.4493268	-0.213233999	0.597532163	-0.356857776	0.721198281	0.999371363	Not Sig
ENSG00000091164	TXNL1	thioredoxin like 1	9352	929.0825017	-0.21318006	0.574682896	-0.370952506	0.710672907	0.999371363	Not Sig
ENSG00000187013	NA	NA	NA	47.00595711	-0.213088542	1.020954016	-0.208715122	0.834670634	0.999371363	Not Sig
ENSG00000038945	MSR1	macrophage scavenger receptor 1	4481	2555.901302	-0.212867045	0.979608991	-0.21729797	0.827976139	0.999371363	Not Sig
ENSG00000101898	NA	NA	NA	33.79636943	-0.212840129	0.748150387	-0.28448843	0.776036099	0.999371363	Not Sig
ENSG00000054267	ARID4B	AT-rich interaction domain 4B	51742	2655.478965	-0.212802829	0.51105523	-0.416398887	0.677118143	0.999371363	Not Sig
ENSG00000220563	NA	NA	NA	14.48183233	-0.212543935	1.002596282	-0.21199354	0.832112074	0.999371363	Not Sig
ENSG00000233108	NA	NA	NA	4.953280771	-0.212480816	1.483176344	-0.143260656	0.886084327	NA	NA
ENSG00000189007	ADAT2	adenosine deaminase, tRNA specific 2	134637	265.7180266	-0.212455632	0.683460129	-0.310853001	0.755912375	0.999371363	Not Sig
ENSG00000120899	PTK2B	protein tyrosine kinase 2 beta	2185	1701.397624	-0.212390282	0.64517066	-0.329200157	0.742004405	0.999371363	Not Sig
ENSG00000240809	NA	NA	NA	19.72310316	-0.212232054	1.121057709	-0.18931412	0.849846629	0.999371363	Not Sig
ENSG00000197128	ZNF772	zinc finger protein 772	400720	339.2563968	-0.21222507	0.461878736	-0.459482227	0.645887912	0.999371363	Not Sig
ENSG00000205758	CRYZL1	crystallin zeta like 1	9946	446.2478758	-0.212182095	0.457210282	-0.464079884	0.642590513	0.999371363	Not Sig
ENSG00000166136	NDUFB8	NADH:ubiquinone oxidoreductase subunit B8	4714	164.8617939	-0.211854977	0.555344983	-0.381483552	0.702844474	0.999371363	Not Sig
ENSG00000179913	B3GNT3	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	10331	392.4498899	-0.211790736	1.065022738	-0.198860295	0.842372029	0.999371363	Not Sig
ENSG00000175395	ZNF25	zinc finger protein 25	219749	336.6791045	-0.211671299	0.47909485	-0.441815016	0.658623071	0.999371363	Not Sig
ENSG00000011405	PIK3C2A	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 alpha	5286	2995.659726	-0.211613214	0.532965184	-0.397048851	0.691331437	0.999371363	Not Sig
ENSG00000074755	ZZEF1	zinc finger ZZ-type and EF-hand domain containing 1	23140	3110.76225	-0.211599804	0.428130073	-0.494241862	0.621135379	0.999371363	Not Sig
ENSG00000238197	PAXBP1-AS1	PAXBP1 antisense RNA 1	100506215	65.44877196	-0.211581747	0.501064106	-0.422264824	0.67283173	0.999371363	Not Sig
ENSG00000241057	NA	NA	NA	12.50305337	-0.211529747	0.814303181	-0.259767801	0.795042889	0.999371363	Not Sig
ENSG00000219608	NA	NA	NA	10.23648764	-0.211233348	0.977273782	-0.216145518	0.82887432	0.999371363	Not Sig
ENSG00000236886	NA	NA	NA	2.638752341	-0.21120315	1.759431075	-0.120040593	0.904450992	NA	NA
ENSG00000164687	FABP5	fatty acid binding protein 5	2171	437.4173359	-0.211065539	0.746473875	-0.282750068	0.777368433	0.999371363	Not Sig
ENSG00000228887	NA	NA	NA	4.519896585	-0.210892794	1.37926532	-0.152902266	0.878475349	NA	NA
ENSG00000167778	SPRYD3	SPRY domain containing 3	84926	1121.428781	-0.210832927	0.564885409	-0.37323132	0.708976288	0.999371363	Not Sig
ENSG00000140262	TCF12	transcription factor 12	6938	2555.02763	-0.21073793	0.462964977	-0.455191949	0.648971152	0.999371363	Not Sig
ENSG00000175581	MRPL48	mitochondrial ribosomal protein L48	51642	201.0820997	-0.210524713	0.499182421	-0.421739035	0.673215509	0.999371363	Not Sig
ENSG00000053900	ANAPC4	anaphase promoting complex subunit 4	29945	793.4303209	-0.210414126	0.582231574	-0.361392503	0.717806052	0.999371363	Not Sig
ENSG00000236603	NA	NA	NA	3.035311151	-0.210353299	1.358543055	-0.154837418	0.876949491	NA	NA
ENSG00000248503	NA	NA	NA	32.13145479	-0.210326557	0.67578804	-0.311231546	0.755624603	0.999371363	Not Sig
ENSG00000109220	CHIC2	cysteine rich hydrophobic domain 2	26511	317.4605196	-0.210215455	0.433120148	-0.485351364	0.627427126	0.999371363	Not Sig

ENSG00000170469	SPATA24	spermatogenesis associated 24	202051	33.4250668	-0.210178659	0.567987562	-0.370040953	0.711351977	0.999371363	Not Sig
ENSG00000079277	MKNK1	MAP kinase interacting serine/threonine kinase 1	8569	849.4094885	-0.210011441	0.414538926	-0.506614525	0.612425315	0.999371363	Not Sig
ENSG00000170464	DNAJC18	DnaJ heat shock protein family (Hsp40) member C18	202052	222.2663785	-0.209965214	0.602853963	-0.348285368	0.727625881	0.999371363	Not Sig
ENSG00000087303	NID2	nidogen 2	22795	430.3703351	-0.209923133	0.472477483	-0.444302937	0.656823578	0.999371363	Not Sig
ENSG00000243224	LOC101929054	uncharacterized LOC101929054	101929054	9.693437932	-0.209862113	1.016185778	-0.206519435	0.836385185	0.999371363	Not Sig
ENSG00000178295	GEN1	GEN1, Holliday junction 5' flap endonuclease	348654	293.6930434	-0.209734979	0.756183008	-0.27736008	0.781503631	0.999371363	Not Sig
ENSG00000168004	HRASLS5	HRAS like suppressor family member 5	117245	26.74014	-0.2096934	0.792889671	-0.264467312	0.79141985	0.999371363	Not Sig
ENSG00000229472	NA	NA	NA	40.37180956	-0.209659895	0.620887223	-0.337677902	0.735605929	0.999371363	Not Sig
ENSG00000131788	PIAS3	protein inhibitor of activated STAT 3	10401	1208.681465	-0.209585146	0.581765152	-0.360257306	0.718654724	0.999371363	Not Sig
ENSG00000182230	FAM153B	family with sequence similarity 153 member B	202134	27.05022246	-0.209372541	1.238053792	-0.169114252	0.865706775	0.999371363	Not Sig
ENSG00000182230	LOC100507387	uncharacterized LOC100507387	100507387	27.05022246	-0.209372541	1.238053792	-0.169114252	0.865706775	0.999371363	Not Sig
ENSG00000089916	GPATCH2L	G-patch domain containing 2 like	55668	2070.998476	-0.209348341	0.467016366	-0.448267676	0.653960026	0.999371363	Not Sig
ENSG00000034713	GABARAPL2	GABA type A receptor associated protein like 2	11345	982.9650848	-0.209167617	0.476687497	-0.438794008	0.660810802	0.999371363	Not Sig
ENSG00000145216	FIP1L1	factor interacting with PAPOLA and CPSF1	81608	935.0735884	-0.20913769	0.436268718	-0.479378147	0.631669637	0.999371363	Not Sig
ENSG00000151929	BAG3	BCL2 associated athanogene 3	9531	1354.977064	-0.209134635	0.43184719	-0.484279255	0.628187697	0.999371363	Not Sig
ENSG00000179941	BBS10	Bardet-Biedl syndrome 10	79738	262.566613	-0.209074617	0.523570354	-0.399324782	0.689653909	0.999371363	Not Sig
ENSG00000135974	C2orf49	chromosome 2 open reading frame 49	79074	444.7331638	-0.209050192	0.474566989	-0.440507236	0.659569773	0.999371363	Not Sig
ENSG00000173566	NA	NA	NA	193.071035	-0.209029526	0.768274451	-0.272076633	0.785563096	0.999371363	Not Sig
ENSG00000152782	PANK1	pantothenate kinase 1	53354	136.2786672	-0.208954621	0.615976564	-0.339224953	0.734440273	0.999371363	Not Sig
ENSG00000270244	NA	NA	NA	0.946300956	-0.208786561	2.624695755	-0.079546957	0.936597583	NA	NA
ENSG00000187630	DHRS4L2	dehydrogenase/reductase 4 like 2	317749	206.9433216	-0.208703314	0.550018947	-0.379447499	0.704355584	0.999371363	Not Sig
ENSG00000213553	NA	NA	NA	37.44839922	-0.208664349	0.587104241	-0.355412777	0.722280378	0.999371363	Not Sig
ENSG00000076944	STXBP2	syntaxin binding protein 2	6813	734.3041726	-0.208653759	0.584996041	-0.356675506	0.721334744	0.999371363	Not Sig
ENSG00000031003	FAM13B	family with sequence similarity 13 member B	51306	1274.067957	-0.208507786	0.453897266	-0.4593722	0.645966908	0.999371363	Not Sig
ENSG00000138688	KIAA1109	KIAA1109	84162	6867.762546	-0.208502845	0.469057645	-0.44451433	0.65667077	0.999371363	Not Sig
ENSG00000163960	UBXN7	UBX domain protein 7	26043	1960.616468	-0.208155753	0.497959693	-0.418017274	0.675934488	0.999371363	Not Sig
ENSG00000129347	KRI1	KRI1 homolog	65095	549.9419326	-0.208020021	0.497360326	-0.41824812	0.675765717	0.999371363	Not Sig
ENSG00000172974	NA	NA	NA	5.508874436	-0.207946781	1.128835978	-0.18421346	0.853846001	NA	NA
ENSG00000135298	ADGRB3	adhesion G protein-coupled receptor B3	577	131.7735816	-0.207812602	0.817347882	-0.254252329	0.799300626	0.999371363	Not Sig
ENSG00000165119	HNRNPK	heterogeneous nuclear ribonucleoprotein K	3190	7892.516006	-0.207780432	0.431107457	-0.481969006	0.629827964	0.999371363	Not Sig
ENSG00000187667	NA	NA	NA	87.73849281	-0.20771664	0.535010275	-0.388247946	0.697832555	0.999371363	Not Sig
ENSG00000123810	B9D2	B9 domain containing 2	80776	66.50514239	-0.207703739	0.549524388	-0.377970011	0.705452872	0.999371363	Not Sig
ENSG00000120029	C10orf76	chromosome 10 open reading frame 76	79591	871.0831135	-0.207641275	0.442093978	-0.469676778	0.638585962	0.999371363	Not Sig
ENSG00000157796	WDR19	WD repeat domain 19	57728	794.6680498	-0.207622326	0.461404201	-0.449979271	0.652725387	0.999371363	Not Sig
ENSG00000243667	WDR92	WD repeat domain 92	116143	92.70639168	-0.207495713	0.50222982	-0.41314893	0.679497502	0.999371363	Not Sig

ENSG00000156398	SFXN2	sideroflexin 2	118980	281.9379736	-0.207463088	0.60174022	-0.344771849	0.730265898	0.999371363	Not Sig
ENSG00000268854	NA	NA	NA	1.805919204	-0.207422876	2.144142419	-0.096739318	0.922933415	NA	NA
ENSG00000221823	PPP3R1	protein phosphatase 3 regulatory subunit B, alpha	5534	1143.694867	-0.207415346	0.428753145	-0.483764022	0.628553351	0.999371363	Not Sig
ENSG00000234648	NA	NA	NA	6.285347267	-0.207387867	1.002560138	-0.206858281	0.836120538	NA	NA
ENSG00000137996	RTCA	RNA 3'-terminal phosphate cyclase	8634	596.8925662	-0.207387075	0.506185964	-0.409705306	0.682022137	0.999371363	Not Sig
ENSG00000163785	RYK	receptor-like tyrosine kinase	6259	1442.496727	-0.207347482	0.463976466	-0.446892239	0.654952868	0.999371363	Not Sig
ENSG00000265321	MIR4263	microRNA 4263	100422965	6.178056694	-0.207191526	1.033693078	-0.200438148	0.841137927	NA	NA
ENSG00000141504	SAT2	spermidine/spermine N1-acetyltransferase family member 2	112483	459.5636348	-0.207120257	0.664918225	-0.311497337	0.755422567	0.999371363	Not Sig
ENSG00000011454	GPR21	G protein-coupled receptor 21	2844	2040.088516	-0.207046071	0.410137488	-0.504821132	0.613684472	0.999371363	Not Sig
ENSG00000011454	RABGAP1	RAB GTPase activating protein 1	23637	2040.088516	-0.207046071	0.410137488	-0.504821132	0.613684472	0.999371363	Not Sig
ENSG00000184677	ZBTB40	zinc finger and BTB domain containing 40	9923	1570.141607	-0.206945584	0.434170236	-0.476646179	0.633614094	0.999371363	Not Sig
ENSG00000131747	TOP2A	DNA topoisomerase II alpha	7153	1287.291676	-0.20684909	1.101822975	-0.187733506	0.851085563	0.999371363	Not Sig
ENSG00000238946	NA	NA	NA	5.290568414	-0.206804853	1.457365114	-0.141903254	0.887156424	NA	NA
ENSG00000023902	PLEKH01	pleckstrin homology domain containing 01	51177	991.5557933	-0.206795651	0.730957716	-0.282910553	0.777245405	0.999371363	Not Sig
ENSG00000165629	ATP5C1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, gamma polypeptide 1	509	1398.620328	-0.206770029	0.470685544	-0.439295473	0.660447454	0.999371363	Not Sig
ENSG00000230435	NA	NA	NA	4.718187512	-0.206704675	1.616199952	-0.127895484	0.898231685	NA	NA
ENSG00000175582	RAB6A	RAB6A, member RAS oncogene family	5870	2548.87102	-0.206532177	0.475027206	-0.434779681	0.663722355	0.999371363	Not Sig
ENSG00000272019	NA	NA	NA	2.093311267	-0.206378991	1.796220944	-0.114896217	0.908527384	NA	NA
ENSG00000166454	ATMIN	ATM interactor	23300	1072.784538	-0.20632119	0.438861633	-0.47012811	0.638263492	0.999371363	Not Sig
ENSG00000183496	MEX3B	mex-3 RNA binding family member B	84206	114.5919039	-0.206200869	0.513901995	-0.401245512	0.688239376	0.999371363	Not Sig
ENSG00000164082	GRM2	glutamate metabotropic receptor 2	2912	11.31711918	-0.206150425	0.920561817	-0.223939795	0.82280415	0.999371363	Not Sig
ENSG00000186912	P2RY4	pyrimidinergic receptor P2Y4	5030	6.98433135	-0.20610682	1.146695023	-0.179739875	0.857356788	0.999371363	Not Sig
ENSG00000121578	B4GALT4	beta-1,4-galactosyltransferase 4	8702	524.3805726	-0.205993165	0.486592644	-0.423338017	0.672048661	0.999371363	Not Sig
ENSG00000131015	ULBP2	UL16 binding protein 2	80328	29.86441493	-0.205977778	0.976584235	-0.210916551	0.832952389	0.999371363	Not Sig
ENSG00000106948	AKNA	AT-hook transcription factor	80709	2850.353708	-0.205956416	0.640635918	-0.321487462	0.747841012	0.999371363	Not Sig
ENSG00000227558	NA	NA	NA	3.937246622	-0.205940651	1.539757017	-0.133748799	0.893601216	NA	NA
ENSG00000224972	NA	NA	NA	26.71950452	-0.205851182	0.836134223	-0.246193944	0.805532104	0.999371363	Not Sig
ENSG00000264757	MIR3198-1	microRNA 3198-1	100423025	6.135584753	-0.205841085	1.018320529	-0.202137814	0.839808987	NA	NA
ENSG00000066651	TRMT11	tRNA methyltransferase 11 homolog	60487	539.7559076	-0.205766355	0.640214849	-0.321402034	0.747905742	0.999371363	Not Sig
ENSG00000213402	PTPRCAP	protein tyrosine phosphatase, receptor type C associated protein	5790	349.3322446	-0.205709285	0.773749643	-0.265860265	0.790346828	0.999371363	Not Sig
ENSG00000257303	NA	NA	NA	11.183962	-0.205686396	0.840451987	-0.244733072	0.806663119	0.999371363	Not Sig
ENSG00000263293	THCAT158	thyroid cancer-associated transcript 158	102724508	3.374214396	-0.205625428	1.477623734	-0.139159533	0.889324086	NA	NA
ENSG00000268584	NA	NA	NA	10.46465202	-0.205560215	0.837755236	-0.245370254	0.806169759	0.999371363	Not Sig
ENSG00000243156	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3	57553	1144.548566	-0.20544292	0.499357439	-0.411414557	0.680768582	0.999371363	Not Sig
ENSG00000164902	PHAX	phosphorylated adaptor for RNA export	51808	597.4582017	-0.205415655	0.45154873	-0.454913592	0.649171404	0.999371363	Not Sig

ENSG00000105258	POLR2I	RNA polymerase II subunit I	5438	226.7942311	-0.205287508	0.551753772	-0.372063625	0.709845479	0.999371363	Not Sig
ENSG00000118579	MED28	mediator complex subunit 28	80306	1889.565799	-0.205268222	0.411852266	-0.498402556	0.618200335	0.999371363	Not Sig
ENSG00000231274	SBK3	SH3 domain binding kinase family member 3	100130827	11.3272653	-0.205231034	0.826390947	-0.248346179	0.803866572	0.999371363	Not Sig
ENSG00000112175	BMP5	bone morphogenetic protein 5	653	526.6958092	-0.204881891	0.578365847	-0.35424272	0.723156991	0.999371363	Not Sig
ENSG00000176542	USF3	upstream transcription factor family member 3	205717	1768.514011	-0.204731983	0.548856704	-0.373015364	0.709137009	0.999371363	Not Sig
ENSG00000176155	CCDC57	coiled-coil domain containing 57	284001	1560.360485	-0.204714834	0.487398301	-0.420015484	0.674474142	0.999371363	Not Sig
ENSG00000151353	TMEM18	transmembrane protein 18	129787	354.1943441	-0.20447537	0.424247199	-0.481972233	0.629825671	0.999371363	Not Sig
ENSG00000168826	ZBTB49	zinc finger and BTB domain containing 49	166793	131.8624223	-0.204357534	0.489095127	-0.417827787	0.676073033	0.999371363	Not Sig
ENSG00000156136	DCK	deoxycytidine kinase	1633	375.9354604	-0.204295605	0.566619157	-0.360551884	0.718434464	0.999371363	Not Sig
ENSG00000016864	GLT8D1	glycosyltransferase 8 domain containing 1	55830	669.1755753	-0.204179123	0.466690627	-0.43750423	0.661745709	0.999371363	Not Sig
ENSG00000168216	LMBRD1	LMBR1 domain containing 1	55788	1227.829166	-0.204013181	0.498862848	-0.408956454	0.682571618	0.999371363	Not Sig
ENSG00000196409	NA	NA	NA	138.5310425	-0.203973478	0.510913421	-0.39923296	0.689721559	0.999371363	Not Sig
ENSG00000143375	CGN	cingulin	57530	3520.199909	-0.203970148	0.465906699	-0.437791833	0.661537192	0.999371363	Not Sig
ENSG00000270010	NA	NA	NA	7.407033633	-0.203862873	0.990630494	-0.205791034	0.836954145	0.999371363	Not Sig
ENSG00000224945	NA	NA	NA	77.35301345	-0.203794448	0.801276314	-0.254337293	0.799234992	0.999371363	Not Sig
ENSG00000065559	MAP2K4	mitogen-activated protein kinase kinase 4	6416	925.782037	-0.203771327	0.531750691	-0.383208391	0.701565257	0.999371363	Not Sig
ENSG00000113811	SELENOK	selenoprotein K	58515	653.0450487	-0.203726504	0.461860574	-0.441099578	0.659140909	0.999371363	Not Sig
ENSG00000138964	PARVG	parvin gamma	64098	795.814467	-0.203659184	0.812152524	-0.2507647	0.801996035	0.999371363	Not Sig
ENSG00000130810	PPAN	peter pan homolog (Drosophila)	56342	82.78968607	-0.203454338	0.514584207	-0.39537618	0.692565286	0.999371363	Not Sig
ENSG00000033800	PIAS1	protein inhibitor of activated STAT 1	8554	1244.091657	-0.203070025	0.530879423	-0.382516286	0.702078451	0.999371363	Not Sig
ENSG00000113272	THG1L	tRNA-histidine guanylyltransferase 1 like	54974	143.2506422	-0.202969131	0.536419437	-0.378377659	0.705150062	0.999371363	Not Sig
ENSG00000028203	VEZT	vezatin, adherens junctions transmembrane protein	55591	2347.106923	-0.202902749	0.666762721	-0.304310278	0.760891515	0.999371363	Not Sig
ENSG00000163882	POLR2H	RNA polymerase II subunit H	5437	638.6877028	-0.202854972	0.432753198	-0.468754415	0.639245187	0.999371363	Not Sig
ENSG00000112983	BRD8	bromodomain containing 8	10902	1189.464794	-0.202611102	0.422338467	-0.479736126	0.631415036	0.999371363	Not Sig
ENSG00000206645	NA	NA	NA	12.2131936	-0.202447357	1.034983278	-0.195604472	0.84491976	0.999371363	Not Sig
ENSG00000253676	NA	NA	NA	5.228180198	-0.202442351	1.134955583	-0.178370286	0.858432184	NA	NA
ENSG00000088766	CRLS1	cardiolipin synthase 1	54675	893.9605988	-0.202395334	0.419968824	-0.481929426	0.629856082	0.999371363	Not Sig
ENSG00000107290	SETX	senataxin	23064	5241.644521	-0.20238198	0.39932506	-0.506810115	0.612288058	0.999371363	Not Sig
ENSG00000235055	NA	NA	NA	2.066265867	-0.202313168	1.603301482	-0.126185356	0.899585203	NA	NA
ENSG00000177479	ARIH2	ariadne RBR E3 ubiquitin protein ligase 2	10425	1638.371015	-0.202269789	0.459784934	-0.439922611	0.659993159	0.999371363	Not Sig
ENSG00000107341	UBE2R2	ubiquitin conjugating enzyme E2 R2	54926	1282.747121	-0.202250026	0.42075455	-0.480684108	0.630741028	0.999371363	Not Sig
ENSG00000250067	YJEFN3	YjeF N-terminal domain containing 3	374887	51.99228037	-0.201929132	0.644396353	-0.313361693	0.754005884	0.999371363	Not Sig
ENSG00000227208	NA	NA	NA	2.315325872	-0.201924182	1.566388332	-0.128910678	0.897428327	NA	NA
ENSG00000092531	SNAP23	synaptosome associated protein 23	8773	1165.098857	-0.20185794	0.53023811	-0.380693005	0.70343106	0.999371363	Not Sig
ENSG00000176595	KBTBD11	kelch repeat and BTB domain containing 11	9920	318.8303051	-0.201634041	0.716829714	-0.28128583	0.778491178	0.999371363	Not Sig

ENSG00000141682	PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1	5366	218.8409401	-0.201602933	0.710623178	-0.283698786	0.776641225	0.999371363	Not Sig
ENSG00000207523	SNORA66	small nucleolar RNA, H/ACA box 66	26782	6.908349282	-0.20143165	1.278488342	-0.157554546	0.874807823	0.999371363	Not Sig
ENSG00000048828	FAM120A	family with sequence similarity 120A	23196	5219.80863	-0.201425122	0.399430351	-0.504280964	0.614063953	0.999371363	Not Sig
ENSG00000227855	DPY19L2P3	DPY19L2 pseudogene 3	442524	24.0032089	-0.201392147	0.665502737	-0.302616558	0.762182095	0.999371363	Not Sig
ENSG00000165025	SYK	spleen associated tyrosine kinase	6850	1513.484102	-0.201164782	0.449206501	-0.447822508	0.654281298	0.999371363	Not Sig
ENSG00000119285	HEATR1	HEAT repeat containing 1	55127	1820.070999	-0.201145513	0.623154935	-0.322785717	0.746857531	0.999371363	Not Sig
ENSG00000107938	EDRF1	erythroid differentiation regulatory factor 1	26098	789.3614867	-0.201067268	0.512591876	-0.392256056	0.694869029	0.999371363	Not Sig
ENSG00000125944	HNRNPR	heterogeneous nuclear ribonucleoprotein R	10236	3097.17547	-0.201031737	0.524450822	-0.383318566	0.701483575	0.999371363	Not Sig
ENSG00000224597	SVIL-AS1	SVIL antisense RNA 1	102724316	559.7611576	-0.200885501	0.459999895	-0.436707711	0.662323336	0.999371363	Not Sig
ENSG00000120868	APAF1	apoptotic peptidase activating factor 1	317	1100.288648	-0.20082837	0.542474968	-0.370207625	0.711227795	0.999371363	Not Sig
ENSG00000207063	SNORD116-1	small nucleolar RNA, C/D box 116-1	100033413	8.61538062	-0.200801378	0.9146547	-0.219537907	0.826231055	0.999371363	Not Sig
ENSG00000196715	VKORC1L1	vitamin K epoxide reductase complex subunit 1 like 1	154807	2046.885351	-0.200582189	0.639377159	-0.313714975	0.753737526	0.999371363	Not Sig
ENSG00000186106	ANKRD46	ankyrin repeat domain 46	157567	354.4152323	-0.200555672	0.442747339	-0.452979961	0.650563171	0.999371363	Not Sig
ENSG00000125651	GTF2F1	general transcription factor IIF subunit 1	2962	1059.02634	-0.200517402	0.518073954	-0.387043975	0.698723653	0.999371363	Not Sig
ENSG00000228638	NA	NA	NA	62.8501921	-0.200508389	0.504456352	-0.397474207	0.691017803	0.999371363	Not Sig
ENSG00000166200	COPS2	COP9 signalosome subunit 2	9318	1220.034269	-0.200496664	0.523142571	-0.383254345	0.701531187	0.999371363	Not Sig
ENSG00000163755	HPS3	HPS3, biogenesis of lysosomal organelles complex 2 subunit 1	84343	893.8739776	-0.200450062	0.57462666	-0.348835297	0.727212963	0.999371363	Not Sig
ENSG00000161692	DBF4B	DBF4 zinc finger B	80174	145.143749	-0.200373942	0.46428787	-0.43157264	0.666052047	0.999371363	Not Sig
ENSG00000113722	CDX1	caudal type homeobox 1	1044	2.602457645	-0.200324494	2.012282513	-0.099550879	0.920700893	NA	NA
ENSG00000197070	ARRDC1	arrestin domain containing 1	92714	815.2056615	-0.20016316	0.543400988	-0.368352586	0.712610346	0.999371363	Not Sig
ENSG00000265263	NA	NA	NA	24.96454307	-0.200142448	0.618223628	-0.323737946	0.74613644	0.999371363	Not Sig
ENSG00000241708	NA	NA	NA	8.441152324	-0.199979299	0.94572955	-0.211455061	0.832532196	0.999371363	Not Sig
ENSG00000235106	BRD3OS	BRD3 opposite strand	266655	350.6877277	-0.199972338	0.549521413	-0.363902722	0.715930652	0.999371363	Not Sig
ENSG00000215252	GOLGA8B	golgin A8 family member B	440270	609.2653207	-0.199895517	0.658655147	-0.303490404	0.761516159	0.999371363	Not Sig
ENSG00000129317	PUS7L	pseudouridylylase 7 like	83448	497.9495493	-0.199849265	0.679705093	-0.294023492	0.768739953	0.999371363	Not Sig
ENSG00000202533	NA	NA	NA	13.2605338	-0.199814024	1.065911163	-0.187458421	0.851301221	0.999371363	Not Sig
ENSG00000146247	PHIP	pleckstrin homology domain interacting protein	55023	5000.176298	-0.199742128	0.614112013	-0.325253576	0.744989163	0.999371363	Not Sig
ENSG00000100697	DICER1	dicer 1, ribonuclease III	23405	3334.314229	-0.199736737	0.435579194	-0.458554356	0.646554221	0.999371363	Not Sig
ENSG00000172667	ZMAT3	zinc finger matrin-type 3	64393	1034.590921	-0.199658903	0.507669632	-0.393285101	0.694108921	0.999371363	Not Sig
ENSG00000154262	ABCA6	ATP binding cassette subfamily A member 6	23460	916.1923903	-0.199626561	0.627851654	-0.317951797	0.750521502	0.999371363	Not Sig
ENSG00000148572	NRBF2	nuclear receptor binding factor 2	29982	340.7892787	-0.199623143	0.409185204	-0.487855234	0.625652385	0.999371363	Not Sig
ENSG00000224578	NA	NA	NA	30.94955049	-0.199585561	0.653371639	-0.305470193	0.760008068	0.999371363	Not Sig
ENSG00000125734	GPR108	G protein-coupled receptor 108	56927	949.4966209	-0.199275209	0.522817983	-0.381155997	0.703087499	0.999371363	Not Sig
ENSG00000058091	CDK14	cyclin dependent kinase 14	5218	658.7869664	-0.199222449	0.456643048	-0.436276103	0.662636418	0.999371363	Not Sig
ENSG00000269352	NA	NA	NA	157.9213178	-0.199158022	0.555686373	-0.358400047	0.720043957	0.999371363	Not Sig

ENSG00000162745	OLFML2B	olfactomedin like 2B	25903	415.8676839	-0.199124688	0.447051393	-0.445417891	0.656017785	0.999371363	Not Sig
ENSG00000169567	HINT1	histidine triad nucleotide binding protein 1	3094	1260.693622	-0.199071252	0.544732455	-0.365447754	0.7147772	0.999371363	Not Sig
ENSG00000211753	NA	NA	NA	16.60388865	-0.198969051	1.005042075	-0.197970867	0.843067857	0.999371363	Not Sig
ENSG00000253719	ATXN7L3B	ataxin 7 like 3B	552889	1884.866478	-0.19886746	0.434312266	-0.457890498	0.647031114	0.999371363	Not Sig
ENSG00000111144	LTA4H	leukotriene A4 hydrolase	4048	4168.219437	-0.198863857	0.563909302	-0.352652202	0.724349197	0.999371363	Not Sig
ENSG00000126790	L3HYPDH	trans-L-3-hydroxyproline dehydratase	112849	315.4216253	-0.198849673	0.482839128	-0.411834214	0.680460942	0.999371363	Not Sig
ENSG00000164109	MAD2L1	mitotic arrest deficient 2 like 1	4085	111.4773733	-0.19859308	0.875698789	-0.226782408	0.820592943	0.999371363	Not Sig
ENSG00000011376	LARS2	leucyl-tRNA synthetase 2, mitochondrial	23395	606.3444525	-0.198539825	0.474022948	-0.418840113	0.675332987	0.999371363	Not Sig
ENSG00000132970	WASF3	WAS protein family member 3	10810	354.2187314	-0.198451717	0.80766911	-0.245709184	0.805907363	0.999371363	Not Sig
ENSG00000186162	CIDECP	cell death-inducing DFFA-like effector c pseudogene	152302	127.8023185	-0.198320382	0.472096718	-0.420084222	0.674423929	0.999371363	Not Sig
ENSG00000080839	RBL1	RB transcriptional corepressor like 1	5933	377.63543	-0.198261909	0.649983741	-0.305025952	0.760346387	0.999371363	Not Sig
ENSG00000165732	DDX21	DExD-box helicase 21	9188	2179.359786	-0.198257362	0.478721346	-0.41413938	0.678772034	0.999371363	Not Sig
ENSG00000146701	MDH2	malate dehydrogenase 2	4191	1826.854886	-0.198219288	0.520230126	-0.381022317	0.703186689	0.999371363	Not Sig
ENSG00000202341	NA	NA	NA	1.013814878	-0.198210427	2.595632006	-0.076363069	0.93913025	NA	NA
ENSG00000229604	NA	NA	NA	2.942036189	-0.198060295	1.393458618	-0.142135757	0.886972775	NA	NA
ENSG00000006530	AGK	acylglycerol kinase	55750	507.669823	-0.198000136	0.506867487	-0.390634912	0.696067116	0.999371363	Not Sig
ENSG00000155111	CDK19	cyclin dependent kinase 19	23097	733.8629954	-0.197965827	0.56613119	-0.349681894	0.726577443	0.999371363	Not Sig
ENSG00000061794	MRPS35	mitochondrial ribosomal protein S35	60488	656.8203666	-0.197756223	0.585512261	-0.337749073	0.735552291	0.999371363	Not Sig
ENSG00000179837	NA	NA	NA	2018.033629	-0.197724126	0.456420611	-0.433205953	0.664865154	0.999371363	Not Sig
ENSG00000253213	NA	NA	NA	18.40247691	-0.197709838	0.80354731	-0.246046295	0.805646396	0.999371363	Not Sig
ENSG00000185379	RAD51D	RAD51 paralog D	5892	149.2803544	-0.197648371	0.483885057	-0.408461407	0.682934958	0.999371363	Not Sig
ENSG00000197362	ZNF786	zinc finger protein 786	136051	269.0722602	-0.197637081	0.524148373	-0.377063235	0.706126612	0.999371363	Not Sig
ENSG00000185630	PBX1	PBX homeobox 1	5087	2321.916917	-0.1975622	0.490448274	-0.402819646	0.687080908	0.999371363	Not Sig
ENSG00000212539	NA	NA	NA	4.831057046	-0.197553052	1.186637939	-0.166481321	0.867778182	NA	NA
ENSG00000126804	ZBTB1	zinc finger and BTB domain containing 1	22890	1307.725377	-0.197518045	0.483104814	-0.408851329	0.682648769	0.999371363	Not Sig
ENSG00000146151	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-CoA lyase like 1	54511	50.12202217	-0.197455788	1.07421858	-0.183813418	0.85415983	0.999371363	Not Sig
ENSG00000154175	ABI3BP	ABI family member 3 binding protein	25890	1506.595816	-0.197319149	0.752422733	-0.262245066	0.793132511	0.999371363	Not Sig
ENSG00000116095	PLEKHA3	pleckstrin homology domain containing A3	65977	1154.109412	-0.197239747	0.468448013	-0.421049382	0.673719022	0.999371363	Not Sig
ENSG00000261485	NA	NA	NA	28.62638059	-0.19720342	0.713980378	-0.276202857	0.782392263	0.999371363	Not Sig
ENSG00000092200	RPGRIP1	RPGR interacting protein 1	57096	39.42376474	-0.197083735	0.76469463	-0.257728676	0.796616313	0.999371363	Not Sig
ENSG00000141141	NA	NA	NA	814.6426181	-0.197007623	0.546569238	-0.360444039	0.718515099	0.999371363	Not Sig
ENSG00000119446	RBM18	RNA binding motif protein 18	92400	560.4967551	-0.196892924	0.44667515	-0.440796682	0.659360196	0.999371363	Not Sig
ENSG00000086065	CHMP5	charged multivesicular body protein 5	51510	894.6360781	-0.196713474	0.45733931	-0.430125881	0.667104074	0.999371363	Not Sig
ENSG00000172053	QARS	glutaminyl-tRNA synthetase	5859	2215.85289	-0.196582256	0.417892012	-0.470414008	0.638059258	0.999371363	Not Sig
ENSG00000249129	NA	NA	NA	13.44828637	-0.196487886	0.796137261	-0.24680152	0.805061834	0.999371363	Not Sig

ENSG00000257621	PSMA3-AS1	PSMA3 antisense RNA 1	379025	1462.73375	-0.196363734	0.500863432	-0.39205045	0.695020938	0.999371363	Not Sig
ENSG00000163806	SPDYA	speedy/RINGO cell cycle regulator family member A	245711	82.6203916	-0.196241591	0.835096377	-0.234992746	0.814214363	0.999371363	Not Sig
ENSG00000144597	EAF1	ELL associated factor 1	85403	851.3459754	-0.196203751	0.486062668	-0.40365937	0.686463221	0.999371363	Not Sig
ENSG00000264279	MIR4786	microRNA 4786	100616417	2.602717935	-0.195906212	1.498056199	-0.130773607	0.895954402	NA	NA
ENSG00000076201	PTPN23	protein tyrosine phosphatase, non-receptor type 23	25930	1832.576476	-0.195887242	0.487925185	-0.401469832	0.688074245	0.999371363	Not Sig
ENSG00000185245	GP1BA	glycoprotein Ib platelet alpha subunit	2811	12.73548958	-0.195737615	1.21069414	-0.161673876	0.871562678	0.999371363	Not Sig
ENSG00000099860	GADD45B	growth arrest and DNA damage inducible beta	4616	2091.85209	-0.19567684	0.737445769	-0.265344041	0.79074444	0.999371363	Not Sig
ENSG00000105270	CLIP3	CAP-Gly domain containing linker protein 3	25999	269.8185778	-0.195645734	0.465818854	-0.420003898	0.674482606	0.999371363	Not Sig
ENSG00000048991	R3HDM1	R3H domain containing 1	23518	635.7413346	-0.195577978	0.660217772	-0.296232525	0.767052512	0.999371363	Not Sig
ENSG00000187764	SEMA4D	semaphorin 4D	10507	1574.286664	-0.195415414	0.398207679	-0.490737432	0.623612168	0.999371363	Not Sig
ENSG00000145029	NICN1	nicolin 1	84276	351.097213	-0.19540364	0.423297891	-0.461622051	0.644352378	0.999371363	Not Sig
ENSG00000069020	MAST4	microtubule associated serine/threonine kinase family member 4	375449	3740.320339	-0.195391668	0.522305224	-0.3740948	0.708333788	0.999371363	Not Sig
ENSG00000231889	TRAF3IP2-AS1	TRAF3IP2 antisense RNA 1	643749	133.6792171	-0.195384508	0.481558569	-0.405733634	0.684938326	0.999371363	Not Sig
ENSG00000273483	NA	NA	NA	3.754162362	-0.195252821	1.598384278	-0.12215637	0.902775179	NA	NA
ENSG00000232036	NA	NA	NA	17.94842168	-0.195239977	0.784052208	-0.249014	0.803349952	0.999371363	Not Sig
ENSG00000099341	PSMD8	proteasome 26S subunit, non-ATPase 8	5714	1225.044838	-0.195218961	0.432123204	-0.451766903	0.651436916	0.999371363	Not Sig
ENSG00000168995	SIGLEC7	sialic acid binding Ig like lectin 7	27036	105.0112456	-0.195212847	0.829808114	-0.235250589	0.814014244	0.999371363	Not Sig
ENSG00000214050	FBXO16	F-box protein 16	157574	64.6131708	-0.195179867	0.913704733	-0.21361372	0.8308483	0.999371363	Not Sig
ENSG00000213079	SCAF8	SR-related CTD associated factor 8	22828	2110.26174	-0.195131648	0.472877195	-0.412647617	0.679864809	0.999371363	Not Sig
ENSG00000035687	ADSS	adenylosuccinate synthase	159	1285.981329	-0.195121201	0.499385316	-0.390722744	0.696002185	0.999371363	Not Sig
ENSG00000081760	AACS	acetoacetyl-CoA synthetase	65985	788.7943944	-0.19491604	0.432027834	-0.451165468	0.651870296	0.999371363	Not Sig
ENSG00000237298	TTN-AS1	TTN antisense RNA 1	100506866	565.6156311	-0.194812486	0.454300673	-0.428818396	0.66805539	0.999371363	Not Sig
ENSG00000237298	LOC101927055	uncharacterized LOC101927055	101927055	565.6156311	-0.194812486	0.454300673	-0.428818396	0.66805539	0.999371363	Not Sig
ENSG00000261430	NA	NA	NA	5.891667026	-0.194736549	1.170441378	-0.166378729	0.867858912	NA	NA
ENSG00000213563	C8orf82	chromosome 8 open reading frame 82	414919	666.3687762	-0.194663221	0.607139289	-0.320623659	0.748495606	0.999371363	Not Sig
ENSG00000186153	WWOX	WW domain containing oxidoreductase	51741	261.6806697	-0.194499642	0.425659767	-0.456936871	0.647716421	0.999371363	Not Sig
ENSG00000172183	ISG20	interferon stimulated exonuclease gene 20	3669	688.318603	-0.194474715	0.50598926	-0.384345539	0.70072236	0.999371363	Not Sig
ENSG00000164162	ANAPC10	anaphase promoting complex subunit 10	10393	193.0945047	-0.194400491	0.594147927	-0.327192071	0.743522617	0.999371363	Not Sig
ENSG00000155229	MMS19	MMS19 homolog, cytosolic iron-sulfur assembly component	64210	1205.278827	-0.19439676	0.410376879	-0.473703003	0.635711711	0.999371363	Not Sig
ENSG00000228107	NA	NA	NA	36.2289901	-0.194350103	0.595780545	-0.326210892	0.744264801	0.999371363	Not Sig
ENSG00000250240	NA	NA	NA	8.724387134	-0.194287048	1.076524542	-0.18047619	0.856778745	0.999371363	Not Sig
ENSG00000119414	PPP6C	protein phosphatase 6 catalytic subunit	5537	965.0482973	-0.194239524	0.485068745	-0.400437104	0.6888346	0.999371363	Not Sig
ENSG00000177000	MTHFR	methylenetetrahydrofolate reductase	4524	2462.554805	-0.194197942	0.556758987	-0.348800731	0.727238914	0.999371363	Not Sig
ENSG00000201012	NA	NA	NA	4.92801312	-0.194136164	1.488393215	-0.130433384	0.896223556	NA	NA
ENSG00000213240	NA	NA	NA	1764.496713	-0.193987183	0.638522567	-0.303806307	0.761275461	0.999371363	Not Sig

ENSG00000158987	RAPGEF6	Rap guanine nucleotide exchange factor 6	51735	363.7447538	-0.193966488	0.606553068	-0.31978486	0.749131426	0.999371363	Not Sig
ENSG00000073578	SDHA	succinate dehydrogenase complex flavoprotein subunit A	6389	2082.278361	-0.193942203	0.431342502	-0.449624607	0.652981142	0.999371363	Not Sig
ENSG00000084636	COL16A1	collagen type XVI alpha 1 chain	1307	1922.814498	-0.193288593	0.577451304	-0.334727087	0.737830967	0.999371363	Not Sig
ENSG00000101557	USP14	ubiquitin specific peptidase 14	9097	1366.792426	-0.193242193	0.505623486	-0.382185952	0.702323441	0.999371363	Not Sig
ENSG00000184009	ACTG1	actin gamma 1	71	28701.86401	-0.192988717	0.399404943	-0.483190606	0.628960405	0.999371363	Not Sig
ENSG00000259376	NA	NA	NA	1.627235116	-0.192883941	2.262004817	-0.085271234	0.93204576	NA	NA
ENSG00000079332	SAR1A	secretion associated Ras related GTPase 1A	56681	2454.09618	-0.192752909	0.404003781	-0.477106695	0.633286147	0.999371363	Not Sig
ENSG00000258365	NA	NA	NA	15.0681046	-0.192717265	0.734741206	-0.262292714	0.793095779	0.999371363	Not Sig
ENSG00000091732	ZC3HC1	zinc finger C3HC-type containing 1	51530	219.2485454	-0.192457042	0.474931842	-0.405230868	0.685307817	0.999371363	Not Sig
ENSG00000115364	MRPL19	mitochondrial ribosomal protein L19	9801	803.8367897	-0.192370919	0.50960411	-0.377490909	0.705808819	0.999371363	Not Sig
ENSG00000261337	NA	NA	NA	0.952738492	-0.19204423	2.621839465	-0.073247898	0.941608852	NA	NA
ENSG00000253982	LOC101927752	uncharacterized LOC101927752	101927752	171.7263004	-0.191902118	0.675109176	-0.284253458	0.776216151	0.999371363	Not Sig
ENSG00000219928	NA	NA	NA	26.35666245	-0.19185585	0.720733857	-0.26619514	0.790088926	0.999371363	Not Sig
ENSG00000243370	NA	NA	NA	11.63656078	-0.191842233	0.946054741	-0.202781324	0.839305956	0.999371363	Not Sig
ENSG00000004059	ARF5	ADP ribosylation factor 5	381	904.3723536	-0.191789887	0.442313253	-0.433606466	0.664574238	0.999371363	Not Sig
ENSG00000173253	DMRT2	doublesex and mab-3 related transcription factor 2	10655	38.04274098	-0.191785854	1.282676348	-0.149520067	0.881143276	0.999371363	Not Sig
ENSG00000125652	ALKBH7	alkB homolog 7	84266	399.7615903	-0.191782408	0.640955963	-0.29921308	0.76477747	0.999371363	Not Sig
ENSG00000124784	RIOK1	RIO kinase 1	83732	436.402236	-0.191767479	0.458925326	-0.417862054	0.676047978	0.999371363	Not Sig
ENSG00000261764	NA	NA	NA	3.342015821	-0.19143435	1.334928777	-0.143404167	0.885970992	NA	NA
ENSG00000177764	NA	NA	NA	130.6070497	-0.191319092	0.784979701	-0.243724892	0.807443894	0.999371363	Not Sig
ENSG00000235513	NA	NA	NA	42.26433242	-0.191111861	0.853440472	-0.223931097	0.822810918	0.999371363	Not Sig
ENSG00000042317	SPATA7	spermatogenesis associated 7	55812	269.4731821	-0.190945057	0.496778033	-0.384366949	0.700706494	0.999371363	Not Sig
ENSG00000122432	SPATA1	spermatogenesis associated 1	100505741	24.85069958	-0.190846995	0.624959937	-0.305374767	0.760080738	0.999371363	Not Sig
ENSG00000214541	NA	NA	NA	2.29901908	-0.190827607	1.766526143	-0.108024219	0.913976481	NA	NA
ENSG00000240441	NA	NA	NA	2.183154509	-0.190738162	1.81418697	-0.105136993	0.916267106	NA	NA
ENSG00000207281	NA	NA	NA	0.703678487	-0.190658156	2.932274227	-0.065020575	0.948157618	NA	NA
ENSG00000238830	NA	NA	NA	0.703678487	-0.190658156	2.932274227	-0.065020575	0.948157618	NA	NA
ENSG00000226419	SLC16A1-AS1	SLC16A1 antisense RNA 1	100506392	38.154703	-0.190647849	0.623148563	-0.305942852	0.759648158	0.999371363	Not Sig
ENSG00000256905	NA	NA	NA	38.69209123	-0.190638629	0.589608876	-0.323330664	0.746444834	0.999371363	Not Sig
ENSG00000168310	IRF2	interferon regulatory factor 2	3660	1026.396506	-0.190588661	0.420980685	-0.452725429	0.650746466	0.999371363	Not Sig
ENSG00000111325	OGFOD2	2-oxoglutarate and iron dependent oxygenase domain containing 2	79676	36.89336228	-0.190569585	0.540139349	-0.352815594	0.724226693	0.999371363	Not Sig
ENSG00000129450	SIGLEC9	sialic acid binding Ig like lectin 9	27180	206.3975976	-0.190488205	0.838877296	-0.227075171	0.82036529	0.999371363	Not Sig
ENSG00000115561	CHMP3	charged multivesicular body protein 3	51652	1044.486539	-0.190258962	0.498439023	-0.381709605	0.702676775	0.999371363	Not Sig
ENSG00000067141	NEO1	neogenin 1	4756	2165.636289	-0.190161458	0.426707934	-0.445647813	0.655851667	0.999371363	Not Sig
ENSG00000106113	CRHR2	corticotropin releasing hormone receptor 2	1395	3.220854254	-0.190140941	1.92497255	-0.098775923	0.921316185	NA	NA

ENSG00000111445	RFC5	replication factor C subunit 5	5985	227.7133416	-0.190105381	0.634877109	-0.299436502	0.764607014	0.999371363	Not Sig
ENSG00000136213	CHST12	carbohydrate sulfotransferase 12	55501	601.9496822	-0.189890678	0.68099631	-0.278842448	0.780365737	0.999371363	Not Sig
ENSG00000148218	ALAD	aminolevulinic acid dehydratase	210	1005.046365	-0.189814619	0.460384739	-0.412295636	0.680122747	0.999371363	Not Sig
ENSG00000229930	NA	NA	NA	2.414319309	-0.189677961	2.011672567	-0.094288685	0.924879838	NA	NA
ENSG00000187720	THSD4	thrombospondin type 1 domain containing 4	79875	1257.032418	-0.189667805	0.510342542	-0.371648038	0.710154918	0.999371363	Not Sig
ENSG00000198586	TLK1	tousled like kinase 1	9874	1892.674282	-0.189388509	0.572955713	-0.330546507	0.740987058	0.999371363	Not Sig
ENSG00000114480	GBE1	1,4-alpha-D-glucan branching enzyme 1	2632	840.842186	-0.18925444	0.529672972	-0.357304318	0.720863998	0.999371363	Not Sig
ENSG00000173077	1-Dec	deleted in esophageal cancer 1	50514	2.631595746	-0.189248444	1.759074128	-0.107584121	0.914325594	NA	NA
ENSG00000103067	ESRP2	epithelial splicing regulatory protein 2	80004	1730.59042	-0.189235011	0.514824825	-0.367571652	0.713192656	0.999371363	Not Sig
ENSG00000271936	NA	NA	NA	26.7504048	-0.189144271	0.735766243	-0.257071145	0.797123852	0.999371363	Not Sig
ENSG00000211791	NA	NA	NA	4.701022146	-0.189022397	1.362251076	-0.138757385	0.88964187	NA	NA
ENSG00000168242	NA	NA	NA	119.8411314	-0.189003048	0.743961375	-0.254049544	0.799457282	0.999371363	Not Sig
ENSG00000143947	RPS27A	ribosomal protein S27a	6233	5911.250411	-0.18898498	0.491876056	-0.384212603	0.700820878	0.999371363	Not Sig
ENSG00000250050	NA	NA	NA	5.737166343	-0.188861507	1.18294428	-0.159653764	0.873153824	NA	NA
ENSG00000254477	NA	NA	NA	7.795438847	-0.188696417	1.161390069	-0.162474626	0.870932108	0.999371363	Not Sig
ENSG00000124783	SSR1	signal sequence receptor subunit 1	6745	4698.263709	-0.188676907	0.591913838	-0.318757385	0.749910495	0.999371363	Not Sig
ENSG00000236017	NA	NA	NA	218.6828177	-0.18857734	0.570853401	-0.330342852	0.741140918	0.999371363	Not Sig
ENSG00000160551	TAOK1	TAO kinase 1	57551	4830.563983	-0.1885645	0.531017294	-0.355100488	0.722514311	0.999371363	Not Sig
ENSG00000079387	SENP1	SUMO1/sentrin specific peptidase 1	29843	566.431729	-0.188538975	0.468615344	-0.402332057	0.687439665	0.999371363	Not Sig
ENSG00000119685	TTL5	tubulin tyrosine ligase like 5	23093	898.3865619	-0.188250319	0.545269926	-0.345242438	0.729912117	0.999371363	Not Sig
ENSG00000085511	MAP3K4	mitogen-activated protein kinase kinase kinase 4	4216	1220.073346	-0.188157182	0.427542257	-0.440090258	0.659871737	0.999371363	Not Sig
ENSG00000170634	ACYP2	acylphosphatase 2	98	219.2352843	-0.188114285	0.483709366	-0.388899406	0.697350562	0.999371363	Not Sig
ENSG00000174944	P2RY14	purinergic receptor P2Y14	9934	91.68939038	-0.18786638	0.812937779	-0.231092471	0.817242964	0.999371363	Not Sig
ENSG00000132842	AP3B1	adaptor related protein complex 3 beta 1 subunit	8546	1635.760102	-0.187826361	0.44284879	-0.424132041	0.671469519	0.999371363	Not Sig
ENSG00000182771	GRID1	glutamate ionotropic receptor delta type subunit 1	2894	82.93266523	-0.187787132	0.812907505	-0.231006764	0.817309547	0.999371363	Not Sig
ENSG00000129197	RPAIN	RPA interacting protein	84268	695.0434229	-0.187642211	0.469419255	-0.399732667	0.689353428	0.999371363	Not Sig
ENSG00000125746	EML2	echinoderm microtubule associated protein like 2	24139	778.6340656	-0.187593182	0.540398606	-0.347138538	0.728487242	0.999371363	Not Sig
ENSG00000231416	NA	NA	NA	5.419280586	-0.187357301	1.160199901	-0.161487086	0.871709782	NA	NA
ENSG00000164258	NDUFS4	NADH:ubiquinone oxidoreductase subunit S4	4724	338.5872585	-0.187327594	0.436525247	-0.429133471	0.667826095	0.999371363	Not Sig
ENSG00000178537	SLC25A20	solute carrier family 25 member 20	788	322.5048369	-0.187307036	0.608047712	-0.308046609	0.758046866	0.999371363	Not Sig
ENSG00000206684	NA	NA	NA	1.097220584	-0.187134964	2.564653412	-0.072966961	0.941832409	NA	NA
ENSG00000257740	NA	NA	NA	1.097220584	-0.187134964	2.564653412	-0.072966961	0.941832409	NA	NA
ENSG00000266405	CBX3P2	chromobox 3 pseudogene 2	645158	26.4081906	-0.186982375	0.677447022	-0.276010328	0.782540134	0.999371363	Not Sig
ENSG00000103381	CPPED1	calcineurin like phosphoesterase domain containing 1	55313	419.3853782	-0.186740879	0.765089779	-0.244077079	0.807171124	0.999371363	Not Sig
ENSG00000134294	SLC38A2	solute carrier family 38 member 2	54407	5288.675117	-0.186632304	0.524196541	-0.356034977	0.721814371	0.999371363	Not Sig

ENSG00000180909	NA	NA	NA	0.626710317	-0.186596704	3.492996066	-0.053420245	0.957397075	NA	NA
ENSG00000203877	RIPPLY2	rippy transcriptional repressor 2	134701	0.626710317	-0.186596704	3.492996066	-0.053420245	0.957397075	NA	NA
ENSG00000221670	NA	NA	NA	0.626710317	-0.186596704	3.492996066	-0.053420245	0.957397075	NA	NA
ENSG00000230018	NA	NA	NA	0.626710317	-0.186596704	3.492996066	-0.053420245	0.957397075	NA	NA
ENSG00000231402	NA	NA	NA	0.626710317	-0.186596704	3.492996066	-0.053420245	0.957397075	NA	NA
ENSG00000259790	NA	NA	NA	0.626710317	-0.186596704	3.492996066	-0.053420245	0.957397075	NA	NA
ENSG00000112941	PAPD7	poly(A) RNA polymerase D7, non-canonical	11044	986.2881602	-0.186564057	0.398514108	-0.468149191	0.639677904	0.999371363	Not Sig
ENSG00000169826	CSGALNACT2	chondroitin sulfate N-acetylgalactosaminyltransferase 2	55454	1114.596569	-0.186442176	0.440981833	-0.422788792	0.672449366	0.999371363	Not Sig
ENSG00000156171	DRAM2	DNA damage regulated autophagy modulator 2	128338	699.7650611	-0.186363067	0.546334669	-0.341115213	0.733016849	0.999371363	Not Sig
ENSG00000198315	ZKSCAN8	zinc finger with KRAB and SCAN domains 8	7745	1284.209027	-0.186242728	0.581340731	-0.320367588	0.748689693	0.999371363	Not Sig
ENSG00000085840	ORC1	origin recognition complex subunit 1	4998	74.06486207	-0.18617634	0.983157036	-0.189365822	0.84980611	0.999371363	Not Sig
ENSG00000259254	NA	NA	NA	2.338768541	-0.186144515	2.490454248	-0.074743198	0.940419037	NA	NA
ENSG00000108094	CUL2	cullin 2	8453	756.4872756	-0.18588104	0.471589107	-0.394158892	0.693463734	0.999371363	Not Sig
ENSG00000137101	CD72	CD72 molecule	971	76.7463403	-0.185868883	0.64679121	-0.287370762	0.773828446	0.999371363	Not Sig
ENSG00000151779	NBAS	neuroblastoma amplified sequence	51594	2152.840265	-0.185864187	0.396823214	-0.468380329	0.639512633	0.999371363	Not Sig
ENSG00000151883	PARP8	poly(ADP-ribose) polymerase family member 8	79668	1640.40335	-0.185826837	0.600641632	-0.309380547	0.757032066	0.999371363	Not Sig
ENSG00000163864	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	349565	78.92093158	-0.185759806	0.689379246	-0.269459528	0.787576083	0.999371363	Not Sig
ENSG00000047410	TPR	translocated promoter region, nuclear basket protein	7175	6278.081337	-0.185750496	0.578943413	-0.320843957	0.748328646	0.999371363	Not Sig
ENSG00000104205	SGK3	serum/glucocorticoid regulated kinase family member 3	23678	196.3674602	-0.185572478	0.538634636	-0.344523849	0.730452364	0.999371363	Not Sig
ENSG00000217325	NA	NA	NA	1.346280588	-0.185509412	2.082527445	-0.089078976	0.929019146	NA	NA
ENSG00000138399	FASTKD1	FAST kinase domains 1	79675	397.5853944	-0.185328554	0.548859595	-0.337661135	0.735618566	0.999371363	Not Sig
ENSG00000226085	NA	NA	NA	17.61976031	-0.185281329	0.900343163	-0.205789678	0.836955205	0.999371363	Not Sig
ENSG00000135720	DYNC1LI2	dynein cytoplasmic 1 light intermediate chain 2	1783	4099.728214	-0.185193388	0.385776879	-0.480053103	0.631189634	0.999371363	Not Sig
ENSG00000154316	TDH	L-threonine dehydrogenase (pseudogene)	157739	5.368477566	-0.185125389	1.465084287	-0.126358183	0.899448402	NA	NA
ENSG00000118600	TMEM5	transmembrane protein 5	10329	231.685468	-0.185115743	0.442917242	-0.417946571	0.675986181	0.999371363	Not Sig
ENSG00000164751	PEX2	peroxisomal biogenesis factor 2	5828	760.126698	-0.185102107	0.468696859	-0.394929268	0.692895089	0.999371363	Not Sig
ENSG00000207208	NA	NA	NA	7.033242196	-0.185073826	1.168105586	-0.158439296	0.874110651	0.999371363	Not Sig
ENSG00000082196	C1QTNF3	C1q and TNF related 3	114899	110.4189992	-0.18505256	0.837226002	-0.221030594	0.825068611	0.999371363	Not Sig
ENSG00000168461	RAB31	RAB31, member RAS oncogene family	11031	2210.45256	-0.185039995	0.439708536	-0.420824205	0.673883455	0.999371363	Not Sig
ENSG00000093072	ADA2	adenosine deaminase 2	51816	1766.798133	-0.18488891	0.780639632	-0.236842843	0.812778713	0.999371363	Not Sig
ENSG00000259901	NA	NA	NA	60.17761866	-0.184536269	0.543097136	-0.339785016	0.734018432	0.999371363	Not Sig
ENSG00000115459	ELMOD3	ELMO domain containing 3	84173	461.6700548	-0.184436968	0.448072119	-0.411623399	0.680615479	0.999371363	Not Sig
ENSG00000183405	NA	NA	NA	11.67032568	-0.18437372	0.908815492	-0.202872554	0.839234647	0.999371363	Not Sig
ENSG00000236859	NIFK-AS1	NIFK antisense RNA 1	254128	77.27878006	-0.184349673	0.516292967	-0.35706408	0.721043834	0.999371363	Not Sig
ENSG00000148680	HTR7	5-hydroxytryptamine receptor 7	3363	19.21121471	-0.18432338	0.764462479	-0.241115012	0.809465978	0.999371363	Not Sig

ENSG00000167771	RCOR2	REST corepressor 2	283248	61.12800101	-0.184303611	0.887874332	-0.207578488	0.835558103	0.999371363	Not Sig
ENSG00000259856	NA	NA	NA	4.260419274	-0.184294277	1.24695451	-0.147795509	0.882504154	NA	NA
ENSG00000096968	JAK2	Janus kinase 2	3717	1036.417912	-0.18424783	0.595309693	-0.309499127	0.756941876	0.999371363	Not Sig
ENSG00000238718	NA	NA	NA	10.36821238	-0.184247195	1.024749615	-0.179797281	0.857311718	0.999371363	Not Sig
ENSG00000234230	ZFX-AS1	ZFX antisense RNA 1	100873922	2.839306978	-0.184176915	1.698107265	-0.108460118	0.913630715	NA	NA
ENSG00000260742	NA	NA	NA	10.41188491	-0.18403552	0.864654365	-0.212842874	0.831449521	0.999371363	Not Sig
ENSG00000172113	NME6	NME/NM23 nucleoside diphosphate kinase 6	10201	352.6710364	-0.184011894	0.455174339	-0.404266844	0.686016504	0.999371363	Not Sig
ENSG00000100201	DDX17	DEAD-box helicase 17	10521	18937.55032	-0.183879146	0.415852344	-0.442174124	0.658363209	0.999371363	Not Sig
ENSG00000148606	POLR3A	RNA polymerase III subunit A	11128	777.2261943	-0.183754137	0.398546804	-0.461060369	0.644755294	0.999371363	Not Sig
ENSG00000250995	NA	NA	NA	6.088496788	-0.183436253	1.080402185	-0.169785155	0.865179102	NA	NA
ENSG00000264796	MIR5009	microRNA 5009	100846993	14.65562143	-0.183373742	0.803822138	-0.22812726	0.819547308	0.999371363	Not Sig
ENSG00000072778	ACADVL	acyl-CoA dehydrogenase very long chain	37	4332.90935	-0.18332613	0.410340196	-0.4467662	0.655043878	0.999371363	Not Sig
ENSG00000106290	TAF6	TATA-box binding protein associated factor 6	6878	840.8569423	-0.182705231	0.495523988	-0.368711174	0.712343019	0.999371363	Not Sig
ENSG00000068489	PRR11	proline rich 11	55771	129.616235	-0.182636901	0.771036144	-0.236872036	0.812756065	0.999371363	Not Sig
ENSG00000168758	SEMA4C	semaphorin 4C	54910	1346.283604	-0.182595266	0.417945726	-0.436887506	0.662192933	0.999371363	Not Sig
ENSG00000242441	GTF2A1L	general transcription factor IIA subunit 1 like	11036	1.240130555	-0.182511598	2.440997878	-0.074769257	0.940398303	NA	NA
ENSG00000174238	PITPNA	phosphatidylinositol transfer protein alpha	5306	1486.249545	-0.182370023	0.425415877	-0.428686453	0.668151421	0.999371363	Not Sig
ENSG00000161960	EIF4A1	eukaryotic translation initiation factor 4A1	1973	255.1887413	-0.18221796	0.460938551	-0.395319418	0.692607171	0.999371363	Not Sig
ENSG00000159079	C21orf59	chromosome 21 open reading frame 59	56683	190.2769696	-0.182177596	0.51318237	-0.354995819	0.722592723	0.999371363	Not Sig
ENSG00000207698	MIR32	microRNA 32	407036	4.233373874	-0.18214237	1.174615982	-0.155065462	0.87676971	NA	NA
ENSG00000124614	RPS10	ribosomal protein S10	6204	49.25151286	-0.182038774	0.688784922	-0.264289719	0.791556681	0.999371363	Not Sig
ENSG00000172586	CHCHD1	coiled-coil-helix-coiled-coil-helix domain containing 1	118487	243.0829094	-0.181752327	0.480169965	-0.37851665	0.705046828	0.999371363	Not Sig
ENSG00000150687	PRSS23	protease, serine 23	11098	1626.185163	-0.181598229	0.49101929	-0.369839297	0.711502233	0.999371363	Not Sig
ENSG00000087448	KLHL42	kelch like family member 42	57542	875.6848444	-0.181321918	0.419019816	-0.432728743	0.665211846	0.999371363	Not Sig
ENSG00000204435	CSNK2B	casein kinase 2 beta	1460	299.2637671	-0.181317555	0.502855418	-0.36057592	0.718416493	0.999371363	Not Sig
ENSG00000255046	NA	NA	NA	12.18380128	-0.181084599	0.941798959	-0.192275217	0.847526631	0.999371363	Not Sig
ENSG00000265770	NA	NA	NA	3.500513524	-0.181003858	1.364620093	-0.132640476	0.89447772	NA	NA
ENSG00000107223	EDF1	endothelial differentiation related factor 1	8721	1774.292277	-0.180993319	0.468619561	-0.386226555	0.699328889	0.999371363	Not Sig
ENSG00000170854	RIOX2	ribosomal oxygenase 2	84864	632.608128	-0.180738004	0.497320296	-0.363423745	0.716288367	0.999371363	Not Sig
ENSG00000035403	VCL	vinculin	7414	3892.46909	-0.180737402	0.542063803	-0.333424591	0.738813804	0.999371363	Not Sig
ENSG00000183527	PSMG1	proteasome assembly chaperone 1	8624	253.0855863	-0.180551891	0.546603066	-0.330316279	0.741160994	0.999371363	Not Sig
ENSG00000130844	ZNF331	zinc finger protein 331	55422	1324.794572	-0.180428558	0.572415799	-0.315205412	0.752605697	0.999371363	Not Sig
ENSG00000179101	NA	NA	NA	4.841773979	-0.180341258	1.330723307	-0.135521229	0.892199781	NA	NA
ENSG00000083812	ZNF324	zinc finger protein 324	25799	310.1170369	-0.180327645	0.616007444	-0.292736146	0.769723839	0.999371363	Not Sig
ENSG00000259649	NA	NA	NA	6.196346189	-0.180327564	1.143637829	-0.157678908	0.874709821	NA	NA

ENSG00000272699	NA	NA	NA	3.438252835	-0.180293636	1.856437371	-0.097118081	0.922632622	NA	NA
ENSG00000214479	NA	NA	NA	11.5300795	-0.180221132	0.908477195	-0.198377167	0.842749981	0.999371363	Not Sig
ENSG00000139687	RB1	RB transcriptional corepressor 1	5925	1297.275063	-0.180213973	0.58046754	-0.31046348	0.756208527	0.999371363	Not Sig
ENSG00000133997	MED6	mediator complex subunit 6	10001	368.9298882	-0.180105188	0.557656202	-0.322968142	0.746719369	0.999371363	Not Sig
ENSG00000163666	HESX1	HESX homeobox 1	8820	11.02368955	-0.179984719	0.896307279	-0.200806936	0.840849539	0.999371363	Not Sig
ENSG00000159247	NA	NA	NA	91.98952563	-0.179978038	0.81671618	-0.220367911	0.825584635	0.999371363	Not Sig
ENSG00000239077	NA	NA	NA	0.787084193	-0.179937894	3.922592796	-0.045872183	0.963412126	NA	NA
ENSG00000244926	ALKBH3-AS1	ALKBH3 antisense RNA 1	100507300	0.787084193	-0.179937894	3.922592796	-0.045872183	0.963412126	NA	NA
ENSG00000252711	NA	NA	NA	0.787084193	-0.179937894	3.922592796	-0.045872183	0.963412126	NA	NA
ENSG00000268964	ERVV-2	endogenous retrovirus group V member 2, envelope	100271846	0.787084193	-0.179937894	3.922592796	-0.045872183	0.963412126	NA	NA
ENSG00000136930	PSMB7	proteasome subunit beta 7	5695	880.2556325	-0.179912805	0.394864359	-0.455631918	0.648654687	0.999371363	Not Sig
ENSG00000106554	CHCHD3	coiled-coil-helix-coiled-coil-helix domain containing 3	54927	701.7448314	-0.179678823	0.440714788	-0.407698647	0.683494931	0.999371363	Not Sig
ENSG00000207245	SNORD116-29	small nucleolar RNA, C/D box 116-29	100033821	5.954288062	-0.17965026	1.077006187	-0.166805225	0.867523307	NA	NA
ENSG00000117155	SSX2IP	SSX family member 2 interacting protein	117178	333.8705325	-0.179459478	0.681476818	-0.263339079	0.792289241	0.999371363	Not Sig
ENSG00000250182	NA	NA	NA	40.10086091	-0.179377727	0.668646902	-0.268269734	0.788491701	0.999371363	Not Sig
ENSG00000135686	KLHL36	kelch like family member 36	79786	1536.760983	-0.179337248	0.433842096	-0.413369864	0.67933565	0.999371363	Not Sig
ENSG00000172493	AFF1	AF4/FMR2 family member 1	4299	5113.586582	-0.179095366	0.392466748	-0.456332585	0.648150835	0.999371363	Not Sig
ENSG00000151065	DCP1B	decapping mRNA 1B	196513	285.7153533	-0.179034142	0.430686525	-0.415694785	0.677633358	0.999371363	Not Sig
ENSG00000015171	ZMYND11	zinc finger MYND-type containing 11	10771	2088.120251	-0.178933218	0.447858999	-0.399530249	0.68950254	0.999371363	Not Sig
ENSG00000178719	GRINA	glutamate ionotropic receptor NMDA type subunit associated protein 1	2907	2784.574284	-0.17892567	0.429470446	-0.416619285	0.676956901	0.999371363	Not Sig
ENSG00000130711	PRDM12	PR/SET domain 12	59335	0.943284243	-0.17890694	3.076527274	-0.058152236	0.953627366	NA	NA
ENSG00000233455	NA	NA	NA	0.943284243	-0.17890694	3.076527274	-0.058152236	0.953627366	NA	NA
ENSG00000170871	KIAA0232	KIAA0232	9778	2118.745361	-0.178879227	0.452708538	-0.39513111	0.692746131	0.999371363	Not Sig
ENSG00000126653	NSRP1	nuclear speckle splicing regulatory protein 1	84081	844.0837179	-0.178830015	0.433462756	-0.412561432	0.679927963	0.999371363	Not Sig
ENSG00000116266	STXBP3	syntaxin binding protein 3	6814	922.7614628	-0.178775677	0.580392734	-0.308025353	0.758063041	0.999371363	Not Sig
ENSG00000235423	NA	NA	NA	82.5579253	-0.178768225	0.673521591	-0.265423154	0.790683501	0.999371363	Not Sig
ENSG00000105852	PON3	paraoxonase 3	5446	548.6460188	-0.178634049	0.74946976	-0.238347241	0.811611784	0.999371363	Not Sig
ENSG00000151704	KCNJ1	potassium voltage-gated channel subfamily J member 1	3758	5.187811734	-0.178609673	1.387958803	-0.12868514	0.897606794	NA	NA
ENSG00000197324	LRP10	LDL receptor related protein 10	26020	7118.192538	-0.1785645	0.469171241	-0.380595579	0.703503362	0.999371363	Not Sig
ENSG00000250397	NA	NA	NA	14.50707609	-0.178559417	0.891509768	-0.200288795	0.841254725	0.999371363	Not Sig
ENSG00000178093	TSSK6	testis specific serine kinase 6	83983	43.47007924	-0.178525076	0.818134099	-0.218210042	0.827265462	0.999371363	Not Sig
ENSG00000226862	NA	NA	NA	9.235969602	-0.178517601	0.998165924	-0.178845618	0.858058925	0.999371363	Not Sig
ENSG00000160050	CCDC28B	coiled-coil domain containing 28B	79140	62.87620304	-0.178403424	0.504887543	-0.353352794	0.723823971	0.999371363	Not Sig
ENSG00000164733	CTSB	cathepsin B	1508	19279.77633	-0.178305618	0.427702147	-0.416892033	0.676757381	0.999371363	Not Sig
ENSG00000197885	NKIRAS1	NFKB inhibitor interacting Ras like 1	28512	200.9383554	-0.178179391	0.428952379	-0.415382686	0.677861779	0.999371363	Not Sig

ENSG00000176101	SSNA1	SS nuclear autoantigen 1	8636	525.9932121	-0.177905047	0.633116237	-0.280999027	0.778711146	0.999371363	Not Sig
ENSG00000016391	CHDH	choline dehydrogenase	55349	571.5228268	-0.17785172	0.50275238	-0.353756098	0.723521677	0.999371363	Not Sig
ENSG00000073921	PICALM	phosphatidylinositol binding clathrin assembly protein	8301	4182.621972	-0.177767759	0.567009381	-0.313518197	0.753886998	0.999371363	Not Sig
ENSG00000007384	RHBDF1	rhomboïd 5 homolog 1	64285	961.0545897	-0.177763739	0.575499939	-0.308885765	0.757408425	0.999371363	Not Sig
ENSG00000001167	NFYA	nuclear transcription factor Y subunit alpha	4800	983.5805836	-0.177747562	0.503428718	-0.353073942	0.724033007	0.999371363	Not Sig
ENSG00000144460	NYAP2	neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adaptor 2	57624	281.1054922	-0.177692611	1.056238063	-0.168231592	0.866401088	0.999371363	Not Sig
ENSG00000162869	PPP1R21	protein phosphatase 1 regulatory subunit 21	129285	724.3223473	-0.177638267	0.420840486	-0.422103559	0.67294943	0.999371363	Not Sig
ENSG00000182718	ANXA2	annexin A2	302	12926.37782	-0.177623154	0.464049924	-0.382767338	0.701892281	0.999371363	Not Sig
ENSG00000181381	DDX60L	DExD/H-box 60 like	91351	1695.258387	-0.177287605	0.470942322	-0.376452906	0.706580221	0.999371363	Not Sig
ENSG00000111653	ING4	inhibitor of growth family member 4	51147	470.029497	-0.177042868	0.486887402	-0.363621789	0.716140454	0.999371363	Not Sig
ENSG00000185418	TARSL2	threonyl-tRNA synthetase like 2	123283	475.612597	-0.176672944	0.470780911	-0.375276356	0.707454949	0.999371363	Not Sig
ENSG00000180626	ZNF594	zinc finger protein 594	84622	255.707578	-0.176653147	0.484766598	-0.364408662	0.715552868	0.999371363	Not Sig
ENSG00000102898	NUTF2	nuclear transport factor 2	10204	763.2938594	-0.176620753	0.408424973	-0.43244357	0.665419057	0.999371363	Not Sig
ENSG00000225693	NA	NA	NA	15.34713948	-0.176418656	0.815921216	-0.21622021	0.828816101	0.999371363	Not Sig
ENSG00000265462	MIR3680-1	microRNA 3680-1	100500917	17.73449512	-0.176370777	0.776852762	-0.22703243	0.820398525	0.999371363	Not Sig
ENSG00000107140	TESK1	testis-specific kinase 1	7016	710.709881	-0.176353654	0.595976286	-0.295907165	0.767300979	0.999371363	Not Sig
ENSG00000104756	KCTD9	potassium channel tetramerization domain containing 9	54793	598.6039643	-0.176336766	0.530160031	-0.33261045	0.739428354	0.999371363	Not Sig
ENSG00000235330	NA	NA	NA	9.985487271	-0.176296428	1.406281467	-0.125363543	0.900235749	0.999371363	Not Sig
ENSG00000223701	RAET1E-AS1	RAET1E antisense RNA 1	100652739	6.927048401	-0.176170993	1.102063991	-0.159855502	0.872994902	0.999371363	Not Sig
ENSG00000155545	MIER3	MIER family member 3	166968	742.7551397	-0.176147248	0.496500093	-0.354777874	0.722756006	0.999371363	Not Sig
ENSG00000168393	DTYMK	deoxythymidylate kinase	1841	298.3717503	-0.17612106	0.517665398	-0.340221814	0.733689492	0.999371363	Not Sig
ENSG00000215041	NEURL4	neuronalized E3 ubiquitin protein ligase 4	84461	605.4599777	-0.175859706	0.49055352	-0.358492395	0.719974858	0.999371363	Not Sig
ENSG00000197956	S100A6	S100 calcium binding protein A6	6277	8233.649157	-0.17585515	0.588197642	-0.298972892	0.764960729	0.999371363	Not Sig
ENSG00000216004	NA	NA	NA	3.130872868	-0.175778216	1.42558555	-0.123302467	0.901867587	NA	NA
ENSG00000172661	WASHC2C	WASH complex subunit 2C	253725	944.5158387	-0.17563563	0.545390607	-0.322036404	0.747425116	0.999371363	Not Sig
ENSG00000249635	LOC101929577	uncharacterized LOC101929577	101929577	9.765956944	-0.175478525	1.112997341	-0.157663023	0.87472234	0.999371363	Not Sig
ENSG00000259969	NA	NA	NA	7.627710175	-0.175474573	1.11248647	-0.157731871	0.874668085	0.999371363	Not Sig
ENSG00000163867	ZMYM6	zinc finger MYM-type containing 6	9204	334.9059056	-0.175430092	0.599578849	-0.292588859	0.76983643	0.999371363	Not Sig
ENSG00000248643	RBM14-RBM4	RBM14-RBM4 readthrough	100526737	5.540603344	-0.175394769	1.133031027	-0.154801383	0.876977901	NA	NA
ENSG00000111786	SRSF9	serine and arginine rich splicing factor 9	8683	1423.757587	-0.175352258	0.383820044	-0.456860607	0.64777124	0.999371363	Not Sig
ENSG00000148297	MED22	mediator complex subunit 22	6837	750.7594205	-0.175315235	0.5441983	-0.322153221	0.747336621	0.999371363	Not Sig
ENSG00000215388	NA	NA	NA	40.51227806	-0.175253811	0.594639819	-0.294722629	0.768205775	0.999371363	Not Sig
ENSG00000044446	PHKA2	phosphorylase kinase regulatory subunit alpha 2	5256	908.9168296	-0.175101942	0.426568421	-0.410489696	0.68144676	0.999371363	Not Sig
ENSG00000074266	EED	embryonic ectoderm development	8726	421.1115651	-0.174932056	0.540996816	-0.323351359	0.746429162	0.999371363	Not Sig
ENSG00000130856	ZNF236	zinc finger protein 236	7776	900.9492334	-0.17492942	0.439073058	-0.398406181	0.690330802	0.999371363	Not Sig

ENSG00000189339	SLC35E2B	solute carrier family 35 member E2B	728661	1901.435965	-0.174879696	0.525225625	-0.332961088	0.739163656	0.999371363	Not Sig
ENSG00000080815	PSEN1	presenilin 1	5663	2237.996602	-0.174865692	0.426931904	-0.409586845	0.682109048	0.999371363	Not Sig
ENSG00000106682	EIF4H	eukaryotic translation initiation factor 4H	7458	4207.642088	-0.174796422	0.433293676	-0.403413278	0.68664422	0.999371363	Not Sig
ENSG00000140374	ETF A	electron transfer flavoprotein alpha subunit	2108	1059.894272	-0.174771084	0.483380053	-0.361560398	0.717680563	0.999371363	Not Sig
ENSG00000188243	COMMD6	COMM domain containing 6	170622	486.4894863	-0.174616909	0.499151619	-0.349827392	0.726468241	0.999371363	Not Sig
ENSG00000185219	ZNF445	zinc finger protein 445	353274	1379.755586	-0.174588337	0.449845453	-0.388107373	0.697936576	0.999371363	Not Sig
ENSG00000140694	PARN	poly(A)-specific ribonuclease	5073	1350.220094	-0.174481038	0.522798668	-0.333744229	0.738572571	0.999371363	Not Sig
ENSG00000131469	RPL27	ribosomal protein L27	6155	2740.851431	-0.174198765	0.454262779	-0.383475761	0.701367039	0.999371363	Not Sig
ENSG00000176715	ACSF3	acyl-CoA synthetase family member 3	197322	798.6730185	-0.17418101	0.517038087	-0.336882359	0.736205584	0.999371363	Not Sig
ENSG00000189001	SBSN	suprabasin	374897	0.91410238	-0.174172596	3.096335609	-0.056251201	0.955141693	NA	NA
ENSG00000179943	FIZ1	FLT3 interacting zinc finger 1	84922	316.5214528	-0.174118474	0.52116795	-0.334092828	0.738309512	0.999371363	Not Sig
ENSG00000126001	CEP250	centrosomal protein 250	11190	1143.191521	-0.174101904	0.453238416	-0.384128745	0.700883028	0.999371363	Not Sig
ENSG00000174579	MSL2	MSL complex subunit 2	55167	1198.415116	-0.174073554	0.409856979	-0.424717799	0.671042407	0.999371363	Not Sig
ENSG00000196498	NCOR2	nuclear receptor corepressor 2	9612	11059.62999	-0.174011018	0.467538901	-0.372185111	0.709755031	0.999371363	Not Sig
ENSG00000215039	CD27-AS1	CD27 antisense RNA 1	678655	184.888627	-0.17369819	0.456160187	-0.380783319	0.703364038	0.999371363	Not Sig
ENSG00000229447	NA	NA	NA	20.90473734	-0.173666249	0.871212461	-0.199338573	0.841997908	0.999371363	Not Sig
ENSG00000066379	ZNRD1	zinc ribbon domain containing 1	30834	230.0477917	-0.173609685	0.517638639	-0.335387801	0.737332569	0.999371363	Not Sig
ENSG00000123374	CDK2	cyclin dependent kinase 2	1017	416.415676	-0.17354989	0.527818028	-0.328806294	0.742302105	0.999371363	Not Sig
ENSG00000166004	CEP295	centrosomal protein 295	85459	814.1625166	-0.173445135	0.624071288	-0.277925196	0.781069782	0.999371363	Not Sig
ENSG00000248027	LOC100128386	uncharacterized LOC100128386	100128386	6.567570155	-0.173416245	1.298780201	-0.133522397	0.893780253	NA	NA
ENSG00000146278	PNRC1	proline rich nuclear receptor coactivator 1	10957	6001.415801	-0.173295998	0.538764741	-0.321654304	0.747714599	0.999371363	Not Sig
ENSG00000252202	NA	NA	NA	8.220693559	-0.173273453	0.898249542	-0.192901243	0.847036312	0.999371363	Not Sig
ENSG00000238534	NA	NA	NA	5.465207294	-0.173270275	1.084315377	-0.159796936	0.873041038	NA	NA
ENSG00000179988	PSTK	phosphoseryl-tRNA kinase	118672	70.0578068	-0.173237785	0.486125257	-0.356364502	0.72156761	0.999371363	Not Sig
ENSG00000172613	RAD9A	RAD9 checkpoint clamp component A	5883	288.843307	-0.173220299	0.470411491	-0.368231436	0.712700672	0.999371363	Not Sig
ENSG00000174373	RALGAP A1	Ral GTPase activating protein catalytic alpha subunit 1	253959	2602.815636	-0.173106165	0.497456636	-0.347982421	0.727853386	0.999371363	Not Sig
ENSG00000105426	PTPRS	protein tyrosine phosphatase, receptor type S	5802	3501.994365	-0.173088115	0.73675899	-0.234931799	0.814261668	0.999371363	Not Sig
ENSG00000169093	ASMTL	acetylserotonin O-methyltransferase like	8623	594.3594585	-0.173077623	0.525076889	-0.329623388	0.741684548	0.999371363	Not Sig
ENSG00000226505	NA	NA	NA	5.47636091	-0.173076308	1.153329897	-0.15006661	0.880712063	NA	NA
ENSG00000251141	NA	NA	NA	16.9193427	-0.172858375	0.764179199	-0.226201361	0.821044812	0.999371363	Not Sig
ENSG00000125378	BMP4	bone morphogenetic protein 4	652	257.0619005	-0.172792993	0.835314018	-0.206859923	0.836119256	0.999371363	Not Sig
ENSG00000133985	TTC9	tetratricopeptide repeat domain 9	23508	508.496067	-0.172631943	0.487572909	-0.354063853	0.723291031	0.999371363	Not Sig
ENSG00000145779	TNFAIP8	TNF alpha induced protein 8	25816	636.4441279	-0.172499501	0.614450746	-0.28073772	0.778911575	0.999371363	Not Sig
ENSG00000175203	DCTN2	dynactin subunit 2	10540	1300.092641	-0.172478374	0.45984766	-0.375077202	0.707603051	0.999371363	Not Sig
ENSG00000054611	TBC1D22A	TBC1 domain family member 22A	25771	1086.245849	-0.17230255	0.505325051	-0.340973695	0.733123385	0.999371363	Not Sig

ENSG00000246560	LOC105377348	uncharacterized LOC105377348	105377348	19.53615463	-0.172093753	0.758548335	-0.226872494	0.820522891	0.999371363	Not Sig
ENSG00000103018	CYB5B	cytochrome b5 type B	80777	1155.77939	-0.171979867	0.463838766	-0.370775105	0.710805045	0.999371363	Not Sig
ENSG00000138685	FGF2	fibroblast growth factor 2	2247	241.0448137	-0.171955701	0.727920912	-0.236228549	0.813255328	0.999371363	Not Sig
ENSG00000102794	ACOD1	aconitate decarboxylase 1	730249	1.843836255	-0.171911609	2.272870234	-0.07563635	0.939708416	NA	NA
ENSG00000125834	STK35	serine/threonine kinase 35	140901	1259.641868	-0.171812995	0.41353244	-0.415476463	0.677793142	0.999371363	Not Sig
ENSG00000138079	SLC3A1	solute carrier family 3 member 1	6519	3.987734692	-0.171763854	1.321617476	-0.129964878	0.896594215	NA	NA
ENSG00000260082	NA	NA	NA	1.103658119	-0.171701567	2.562623224	-0.067002267	0.946579898	NA	NA
ENSG00000105497	ZNF175	zinc finger protein 175	7728	221.5733693	-0.171538714	0.494089922	-0.347181164	0.728455221	0.999371363	Not Sig
ENSG00000110852	CLEC2B	C-type lectin domain family 2 member B	9976	391.0165741	-0.171390771	0.573299768	-0.298954894	0.764974462	0.999371363	Not Sig
ENSG00000244005	NFS1	NFS1, cysteine desulfurase	9054	297.2709872	-0.171359018	0.413628871	-0.414282053	0.678667556	0.999371363	Not Sig
ENSG00000213742	ZNF337-AS1	ZNF337 antisense RNA 1	102724826	115.717339	-0.171301018	0.6258686	-0.27370125	0.784314217	0.999371363	Not Sig
ENSG00000135775	COG2	component of oligomeric golgi complex 2	22796	958.5836602	-0.171182468	0.535608704	-0.319603597	0.749268848	0.999371363	Not Sig
ENSG00000243094	NA	NA	NA	7.457510806	-0.171071345	0.969684536	-0.176419587	0.859964318	0.999371363	Not Sig
ENSG00000188782	CATSPER4	cation channel sperm associated 4	378807	3.585336632	-0.171030227	1.618056592	-0.105701017	0.915819574	NA	NA
ENSG00000268499	NA	NA	NA	7.118303507	-0.170912118	1.17964192	-0.144884745	0.884801871	0.999371363	Not Sig
ENSG00000225314	NA	NA	NA	4.448098841	-0.17052455	1.485074692	-0.114825571	0.90858338	NA	NA
ENSG00000214113	LYRM4	LYR motif containing 4	57128	268.3259069	-0.17048475	0.436402672	-0.390659271	0.696049108	0.999371363	Not Sig
ENSG00000185130	HIST1H2BL	histone cluster 1 H2B family member 1	8340	154.293622	-0.170456121	0.803359446	-0.212179146	0.831967276	0.999371363	Not Sig
ENSG00000115896	PLCL1	phospholipase C like 1 (inactive)	5334	247.1089395	-0.170320651	0.695138538	-0.245016845	0.806443388	0.999371363	Not Sig
ENSG00000174842	GLMN	glomulin, FKBP associated protein	11146	180.2231508	-0.170205411	0.720951932	-0.236084271	0.813367279	0.999371363	Not Sig
ENSG00000006576	PHTF2	putative homeodomain transcription factor 2	57157	756.8455832	-0.170204774	0.663577907	-0.25649554	0.797568224	0.999371363	Not Sig
ENSG00000272325	NUDT3	nudix hydrolase 3	11165	2689.556284	-0.170115373	0.475729701	-0.357588294	0.72065144	0.999371363	Not Sig
ENSG00000067445	TRO	trophinin	7216	98.1753821	-0.170020346	0.568208149	-0.299221943	0.764770708	0.999371363	Not Sig
ENSG00000109534	GAR1	GAR1 ribonucleoprotein	54433	201.2504219	-0.169978541	0.564658391	-0.301028982	0.763392394	0.999371363	Not Sig
ENSG00000171763	SPATA5L1	spermatogenesis associated 5 like 1	79029	332.7292292	-0.169837318	0.452313005	-0.375486258	0.707298865	0.999371363	Not Sig
ENSG00000143458	GABPB2	GA binding protein transcription factor beta subunit 2	126626	658.6675199	-0.169821959	0.414423241	-0.409779043	0.681968041	0.999371363	Not Sig
ENSG00000136824	SMC2	structural maintenance of chromosomes 2	10592	585.3736637	-0.169721319	0.572292382	-0.296564003	0.766799397	0.999371363	Not Sig
ENSG00000144182	LIPT1	lipoyltransferase 1	51601	93.30201397	-0.169480298	0.499588114	-0.339240052	0.734428899	0.999371363	Not Sig
ENSG00000100614	PPM1A	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1A	5494	2213.221358	-0.169422619	0.462062031	-0.366666396	0.713867875	0.999371363	Not Sig
ENSG00000174740	PABPC5	poly(A) binding protein cytoplasmic 5	140886	37.72269707	-0.169398922	0.730531733	-0.231884413	0.816627791	0.999371363	Not Sig
ENSG00000253873	PCDHGA11	protocadherin gamma subfamily A, 11	56105	110.2601939	-0.169337507	0.651662659	-0.25985455	0.794975971	0.999371363	Not Sig
ENSG00000219163	NA	NA	NA	1.246568091	-0.169165602	2.399961393	-0.070486802	0.943806205	NA	NA
ENSG00000082258	CCNT2	cyclin T2	905	1479.358992	-0.169056005	0.627050901	-0.269604915	0.787464219	0.999371363	Not Sig
ENSG00000197024	ZNF398	zinc finger protein 398	57541	694.1719295	-0.168895204	0.410054892	-0.411884379	0.680424171	0.999371363	Not Sig
ENSG00000163322	ABRAXAS1	abraxas 1, BRCA1 A complex subunit	84142	213.7887606	-0.168881287	0.617005397	-0.273711199	0.78430657	0.999371363	Not Sig

ENSG00000246705	H2AFJ	H2A histone family member J	55766	623.7216193	-0.168835188	0.588298078	-0.286989189	0.774120598	0.999371363	Not Sig
ENSG00000143434	SEMA6C	semaphorin 6C	10500	207.2558414	-0.168702135	0.749765363	-0.225006574	0.82197416	0.999371363	Not Sig
ENSG00000055118	KCNH2	potassium voltage-gated channel subfamily H member 2	3757	161.5079201	-0.168694741	1.193439357	-0.14135175	0.88759207	0.999371363	Not Sig
ENSG00000011485	PPP5C	protein phosphatase 5 catalytic subunit	5536	877.8104397	-0.168674132	0.457935349	-0.368336125	0.712622619	0.999371363	Not Sig
ENSG00000171310	CHST11	carbohydrate sulfotransferase 11	50515	904.615841	-0.16848017	0.546026036	-0.308557027	0.757658514	0.999371363	Not Sig
ENSG00000135365	PHF21A	PHD finger protein 21A	51317	1293.008072	-0.168431217	0.40678724	-0.41405236	0.678835761	0.999371363	Not Sig
ENSG00000254682	NA	NA	NA	29.93590146	-0.168283503	0.698051213	-0.241076156	0.809496092	0.999371363	Not Sig
ENSG00000051128	HOMER3	homer scaffolding protein 3	9454	186.7653391	-0.168257249	0.497728361	-0.338050354	0.735325242	0.999371363	Not Sig
ENSG00000229019	NA	NA	NA	6.086919153	-0.168178852	1.317701911	-0.127630423	0.898441454	NA	NA
ENSG00000184731	FAM110C	family with sequence similarity 110 member C	642273	327.2866475	-0.16802964	0.550870321	-0.305025764	0.76034653	0.999371363	Not Sig
ENSG00000148225	WDR31	WD repeat domain 31	114987	216.8878727	-0.168013337	0.602283158	-0.27896071	0.780274977	0.999371363	Not Sig
ENSG00000272502	NA	NA	NA	27.33918771	-0.167983036	0.679510087	-0.247211984	0.804744171	0.999371363	Not Sig
ENSG00000188611	ASAH2	N-acylsphingosine amidohydrolase 2	56624	19.90338831	-0.167966814	1.025015931	-0.163867515	0.86983544	0.999371363	Not Sig
ENSG00000231652	LOC101928489	uncharacterized LOC101928489	101928489	3.999486594	-0.167836105	1.580978666	-0.106159626	0.915455703	NA	NA
ENSG00000180861	LINC01559	long intergenic non-protein coding RNA 1559	283422	0.710116023	-0.167818283	2.926979718	-0.057334966	0.954278367	NA	NA
ENSG00000232389	NA	NA	NA	0.710116023	-0.167818283	2.926979718	-0.057334966	0.954278367	NA	NA
ENSG00000239351	NA	NA	NA	0.710116023	-0.167818283	2.926979718	-0.057334966	0.954278367	NA	NA
ENSG00000252393	NA	NA	NA	0.710116023	-0.167818283	2.926979718	-0.057334966	0.954278367	NA	NA
ENSG00000263669	NA	NA	NA	0.710116023	-0.167818283	2.926979718	-0.057334966	0.954278367	NA	NA
ENSG00000153037	SRP19	signal recognition particle 19	6728	157.8046307	-0.16777482	0.625874559	-0.268064611	0.788649586	0.999371363	Not Sig
ENSG00000214765	SEPT7P2	septin 7 pseudogene 2	641977	372.8861121	-0.167770936	0.551664957	-0.304117443	0.761038418	0.999371363	Not Sig
ENSG00000252409	NA	NA	NA	1.784592279	-0.167761542	1.961834121	-0.085512603	0.931853877	NA	NA
ENSG00000252391	NA	NA	NA	33.50905035	-0.16769384	0.934722951	-0.17940486	0.857619816	0.999371363	Not Sig
ENSG00000187837	HIST1H1C	histone cluster 1 H1 family member c	3006	4618.75857	-0.167651598	0.445276837	-0.376510934	0.706537088	0.999371363	Not Sig
ENSG00000175104	TRAF6	TNF receptor associated factor 6	7189	498.9275035	-0.167603924	0.406310433	-0.412502143	0.67997141	0.999371363	Not Sig
ENSG00000103671	TRIP4	thyroid hormone receptor interactor 4	9325	620.7217616	-0.167502883	0.447839698	-0.374024197	0.708386314	0.999371363	Not Sig
ENSG00000130811	EIF3G	eukaryotic translation initiation factor 3 subunit G	8666	1448.491434	-0.167402631	0.559906934	-0.298982957	0.76495305	0.999371363	Not Sig
ENSG00000203747	FCGR3A	Fc fragment of IgG receptor IIIa	2214	1495.041365	-0.167353794	0.950998698	-0.175976891	0.860312098	0.999371363	Not Sig
ENSG00000123737	EXOSC9	exosome component 9	5393	446.3972928	-0.167308197	0.427545425	-0.391322623	0.695558779	0.999371363	Not Sig
ENSG00000131143	COX4I1	cytochrome c oxidase subunit 4I1	1327	2616.099937	-0.167225272	0.466718483	-0.358300086	0.720118754	0.999371363	Not Sig
ENSG00000140830	TXNL4B	thioredoxin like 4B	54957	197.970285	-0.167152349	0.460471512	-0.363002584	0.716602954	0.999371363	Not Sig
ENSG00000199331	NA	NA	NA	15.9345112	-0.166999092	0.76890487	-0.217190837	0.828059625	0.999371363	Not Sig
ENSG00000200183	NA	NA	NA	3.953272407	-0.166992609	1.85030663	-0.090251317	0.928087506	NA	NA
ENSG00000207342	NA	NA	NA	10.27075269	-0.166941285	0.912878128	-0.182873573	0.854897219	0.999371363	Not Sig
ENSG00000165275	TRMT10B	tRNA methyltransferase 10B	158234	155.5689298	-0.16685617	0.473657536	-0.352271751	0.724634472	0.999371363	Not Sig

ENSG00000126775	ATG14	autophagy related 14	22863	735.5432644	-0.166793426	0.517755637	-0.322147002	0.747341332	0.999371363	Not Sig
ENSG00000114125	RNF7	ring finger protein 7	9616	581.3756405	-0.166790773	0.441700363	-0.377610677	0.705719832	0.999371363	Not Sig
ENSG00000136156	ITM2B	integral membrane protein 2B	9445	9387.480355	-0.166568954	0.578670853	-0.287847492	0.773463482	0.999371363	Not Sig
ENSG00000223361	NA	NA	NA	15.32834666	-0.166567765	0.838070957	-0.198751387	0.842457225	0.999371363	Not Sig
ENSG00000103194	USP10	ubiquitin specific peptidase 10	9100	1386.573921	-0.166483675	0.460508319	-0.361521536	0.717709609	0.999371363	Not Sig
ENSG00000108375	RNF43	ring finger protein 43	54894	815.303013	-0.166479207	0.638132923	-0.260884843	0.794181314	0.999371363	Not Sig
ENSG00000109332	UBE2D3	ubiquitin conjugating enzyme E2 D3	7323	4969.072571	-0.166471603	0.488958363	-0.340461716	0.733508849	0.999371363	Not Sig
ENSG00000173559	NABP1	nucleic acid binding protein 1	64859	1992.040012	-0.166378945	0.631161045	-0.263607752	0.792082184	0.999371363	Not Sig
ENSG00000128191	DGCR8	DGCR8, microprocessor complex subunit	54487	1054.707275	-0.166343056	0.52496431	-0.316865457	0.751345694	0.999371363	Not Sig
ENSG00000233426	NA	NA	NA	3.474752484	-0.166269121	1.346887022	-0.123446969	0.901753165	NA	NA
ENSG00000097007	ABL1	ABL proto-oncogene 1, non-receptor tyrosine kinase	25	2592.715446	-0.166175939	0.50331849	-0.330160608	0.74127861	0.999371363	Not Sig
ENSG00000196927	NA	NA	NA	14.03992012	-0.166077449	0.985310721	-0.168553376	0.866147956	0.999371363	Not Sig
ENSG00000211995	NA	NA	NA	1.026689949	-0.16606364	2.590793173	-0.064097606	0.948892508	NA	NA
ENSG00000158792	SPATA2L	spermatogenesis associated 2 like	124044	323.991292	-0.166052653	0.56184894	-0.295546794	0.767576212	0.999371363	Not Sig
ENSG00000181588	MEX3D	mex-3 RNA binding family member D	399664	853.3219741	-0.16601667	0.552094147	-0.30070355	0.763640561	0.999371363	Not Sig
ENSG00000130749	ZC3H4	zinc finger CCCH-type containing 4	23211	2015.321607	-0.165891141	0.560137667	-0.296161374	0.767106846	0.999371363	Not Sig
ENSG00000232385	NA	NA	NA	1.956684114	-0.165773474	1.634379793	-0.101428979	0.919209933	NA	NA
ENSG00000252427	NA	NA	NA	1.956684114	-0.165773474	1.634379793	-0.101428979	0.919209933	NA	NA
ENSG00000189308	LIN54	lin-54 DREAM MuvB core complex component	132660	493.708148	-0.165727041	0.533980362	-0.310361678	0.756285932	0.999371363	Not Sig
ENSG00000134255	CEPT1	choline/ethanolamine phosphotransferase 1	10390	838.6369325	-0.165718902	0.573473306	-0.288974047	0.772601238	0.999371363	Not Sig
ENSG00000157800	SLC37A3	solute carrier family 37 member 3	84255	897.631516	-0.165643495	0.476312727	-0.34776206	0.728018885	0.999371363	Not Sig
ENSG00000120314	WDR55	WD repeat domain 55	54853	895.9891521	-0.165626881	0.482054994	-0.343585032	0.731158383	0.999371363	Not Sig
ENSG00000233232	NA	NA	NA	2.809449818	-0.165475612	1.971328536	-0.083941164	0.933103211	NA	NA
ENSG00000139350	NEDD1	neural precursor cell expressed, developmentally down-regulated 1	121441	493.492128	-0.165433192	0.628270206	-0.263315354	0.792307526	0.999371363	Not Sig
ENSG00000181638	ZFP41	ZFP41 zinc finger protein	286128	278.2720797	-0.165266197	0.505304647	-0.327062492	0.74362062	0.999371363	Not Sig
ENSG00000271657	NA	NA	NA	1.879715943	-0.165238358	1.845068005	-0.089556785	0.928639427	NA	NA
ENSG00000234740	NA	NA	NA	13.52399958	-0.165182812	0.796807982	-0.207305669	0.835771147	0.999371363	Not Sig
ENSG00000101082	SLA2	Src like adaptor 2	84174	101.2697322	-0.165122164	0.715908551	-0.230647006	0.817589047	0.999371363	Not Sig
ENSG00000172594	SMPDL3A	sphingomyelin phosphodiesterase acid like 3A	10924	363.7755713	-0.165102777	0.657395693	-0.251146728	0.80170067	0.999371363	Not Sig
ENSG00000241878	PISD	phosphatidylserine decarboxylase	23761	727.9710256	-0.165058457	0.488941961	-0.337582923	0.735677513	0.999371363	Not Sig
ENSG00000107625	DDX50	DExD-box helicase 50	79009	654.7106	-0.16497227	0.421302956	-0.39157634	0.695371272	0.999371363	Not Sig
ENSG00000012048	BRCA1	BRCA1, DNA repair associated	672	352.1796029	-0.164888216	0.769260264	-0.214346462	0.830276889	0.999371363	Not Sig
ENSG00000147586	MRPS28	mitochondrial ribosomal protein S28	28957	290.1499732	-0.164800865	0.504259574	-0.326817523	0.743805905	0.999371363	Not Sig
ENSG00000223959	AFG3L1P	AFG3 like matrix AAA peptidase subunit 1, pseudogene	172	553.3463721	-0.164771989	0.484955733	-0.33976707	0.734031948	0.999371363	Not Sig
ENSG00000187961	KLHL17	kelch like family member 17	339451	229.8610023	-0.164548876	0.551362476	-0.298440469	0.765367006	0.999371363	Not Sig

ENSG00000184371	CSF1	colony stimulating factor 1	1435	1843.834728	-0.16448515	0.861927355	-0.190834122	0.848655554	0.999371363	Not Sig
ENSG00000265539	MIR3164	microRNA 3164	100422846	3.980882149	-0.164452102	1.18212602	-0.139115542	0.889358847	NA	NA
ENSG00000177340	FLJ13224	uncharacterized LOC79857	79857	5.121300207	-0.164446717	1.126310218	-0.146004817	0.883917586	NA	NA
ENSG00000184007	PTP4A2	protein tyrosine phosphatase type IVA, member 2	8073	4823.685654	-0.164333821	0.520180836	-0.315916716	0.752065724	0.999371363	Not Sig
ENSG00000257557	NA	NA	NA	16.18592891	-0.164125788	0.783362492	-0.209514483	0.834046663	0.999371363	Not Sig
ENSG00000166257	SCN3B	sodium voltage-gated channel beta subunit 3	55800	32.09564349	-0.163982344	0.81110756	-0.202170899	0.839783123	0.999371363	Not Sig
ENSG00000167702	KIFC2	kinesin family member C2	90990	743.6514499	-0.163869975	0.557424877	-0.293976789	0.76877564	0.999371363	Not Sig
ENSG00000068793	NA	NA	NA	4316.540854	-0.163847606	0.429928351	-0.381104445	0.703125749	0.999371363	Not Sig
ENSG00000229666	NA	NA	NA	9.42028464	-0.16382271	1.020280721	-0.160566309	0.872434992	0.999371363	Not Sig
ENSG00000090376	IRAK3	interleukin 1 receptor associated kinase 3	11213	733.851572	-0.16356263	0.586313179	-0.278968025	0.780269363	0.999371363	Not Sig
ENSG00000162704	ARPC5	actin related protein 2/3 complex subunit 5	10092	2700.664558	-0.163481329	0.454862287	-0.359408405	0.719289588	0.999371363	Not Sig
ENSG00000108591	DRG2	developmentally regulated GTP binding protein 2	1819	663.3358472	-0.163468327	0.415466911	-0.39345691	0.693982044	0.999371363	Not Sig
ENSG00000204256	BRD2	bromodomain containing 2	6046	6727.548971	-0.163369456	0.447150244	-0.365356965	0.714844961	0.999371363	Not Sig
ENSG00000168288	MMADHC	methylmalonic aciduria and homocystinuria, cblD type	27249	983.5331397	-0.163295532	0.461054814	-0.354178131	0.723205392	0.999371363	Not Sig
ENSG00000142252	GEMIN7	gem nuclear organelle associated protein 7	79760	138.2330933	-0.16318824	0.45616752	-0.357737527	0.720539747	0.999371363	Not Sig
ENSG00000109270	LAMTOR3	late endosomal/lysosomal adaptor, MAPK and TOR activator 3	8649	489.8507511	-0.163071204	0.601236292	-0.271226482	0.786216846	0.999371363	Not Sig
ENSG00000162604	TM2D1	TM2 domain containing 1	83941	600.0107211	-0.162952781	0.620004426	-0.26282519	0.792685319	0.999371363	Not Sig
ENSG00000128789	PSMG2	proteasome assembly chaperone 2	56984	445.3304695	-0.162761372	0.550643347	-0.295584016	0.767547782	0.999371363	Not Sig
ENSG00000107949	BCCIP	BRCA2 and CDKN1A interacting protein	56647	568.5609521	-0.162704219	0.42849981	-0.379706631	0.704163197	0.999371363	Not Sig
ENSG00000256060	TRAPPC2B	trafficking protein particle complex 2B	10597	59.17630941	-0.162673487	0.516373425	-0.315030711	0.752738336	0.999371363	Not Sig
ENSG00000164164	OTUD4	OTU deubiquitinase 4	54726	2298.619242	-0.162609042	0.432056578	-0.376360527	0.706648887	0.999371363	Not Sig
ENSG00000180370	PAK2	p21 (RAC1) activated kinase 2	5062	2753.399596	-0.162554758	0.466678462	-0.348322821	0.727597757	0.999371363	Not Sig
ENSG00000253731	PCDHGA6	protocadherin gamma subfamily A, 6	56109	147.083717	-0.162528145	0.532824829	-0.305031102	0.760342464	0.999371363	Not Sig
ENSG00000174442	ZWILCH	zwilch kinetochore protein	55055	227.7437817	-0.162422471	0.669657344	-0.242545642	0.808357395	0.999371363	Not Sig
ENSG00000204650	LINC02210	long intergenic non-protein coding RNA 2210	147081	228.7752561	-0.162390121	0.461494541	-0.351878748	0.724929198	0.999371363	Not Sig
ENSG00000144535	DIS3L2	DIS3 like 3'-5' exoribonuclease 2	129563	1010.34446	-0.162349058	0.392122212	-0.414026682	0.678854566	0.999371363	Not Sig
ENSG00000166510	CCDC68	coiled-coil domain containing 68	80323	536.6208136	-0.162287559	0.477098305	-0.340155389	0.733739512	0.999371363	Not Sig
ENSG00000201998	SNORA23	small nucleolar RNA, H/ACA box 23	677808	17.68190645	-0.162264574	0.842500094	-0.192598879	0.847273123	0.999371363	Not Sig
ENSG00000168827	GFMI	G elongation factor mitochondrial 1	85476	1129.758978	-0.162172731	0.548810551	-0.295498566	0.767613048	0.999371363	Not Sig
ENSG00000143476	DTL	denticleless E3 ubiquitin protein ligase homolog	51514	218.7764202	-0.162106664	1.025111772	-0.158135599	0.87434995	0.999371363	Not Sig
ENSG00000267412	NA	NA	NA	5.390862504	-0.161605822	1.493111465	-0.108234265	0.913809865	NA	NA
ENSG00000162438	CTRC	chymotrypsin C	11330	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA
ENSG00000174358	SLC6A19	solute carrier family 6 member 19	340024	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA
ENSG00000179695	OR6C2	olfactory receptor family 6 subfamily C member 2	341416	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA
ENSG00000233265	NA	NA	NA	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA

ENSG00000257520	SFTA3	surfactant associated 3	253970	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA
ENSG00000260266	PPIAP46	peptidylprolyl isomerase A pseudogene 46	729739	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA
ENSG00000261434	NA	NA	NA	0.633147853	-0.161493723	4.006950184	-0.040303402	0.967851242	NA	NA
ENSG00000109705	NKX3-2	NK3 homeobox 2	579	2.771073997	-0.161471637	1.662383645	-0.097132595	0.922621096	NA	NA
ENSG00000114098	ARMC8	armadillo repeat containing 8	25852	970.6573932	-0.16145556	0.473800971	-0.34076663	0.733279274	0.999371363	Not Sig
ENSG00000082146	STRADB	STE20-related kinase adaptor beta	55437	323.9591359	-0.161441876	0.441773734	-0.365440188	0.714782847	0.999371363	Not Sig
ENSG00000185158	LRRC37B	leucine rich repeat containing 37B	114659	393.7661209	-0.161402396	0.444637953	-0.362997344	0.716606869	0.999371363	Not Sig
ENSG00000130449	ZSWIM6	zinc finger SWIM-type containing 6	57688	1244.202925	-0.161397637	0.472399728	-0.341654805	0.732610688	0.999371363	Not Sig
ENSG00000229087	NA	NA	NA	6.001217164	-0.161335637	1.478867906	-0.109094015	0.913127922	NA	NA
ENSG00000163684	RPP14	ribonuclease P/MRP subunit p14	11102	440.835145	-0.161311693	0.416747541	-0.387072932	0.698702216	0.999371363	Not Sig
ENSG00000100296	THOC5	THO complex 5	8563	918.1342931	-0.161292638	0.501364972	-0.321707033	0.747674649	0.999371363	Not Sig
ENSG00000172660	NA	NA	NA	2224.59963	-0.161254774	0.531731968	-0.303263267	0.761689238	0.999371363	Not Sig
ENSG00000164104	HMGB2	high mobility group box 2	3148	785.7078219	-0.161010168	0.478772943	-0.336297552	0.736646496	0.999371363	Not Sig
ENSG00000123353	ORMDL2	ORMDL sphingolipid biosynthesis regulator 2	29095	346.6449845	-0.160965336	0.439875589	-0.365933777	0.714414491	0.999371363	Not Sig
ENSG00000127083	OMD	osteomodulin	4958	40.80195647	-0.160957176	0.568449051	-0.283151455	0.777060739	0.999371363	Not Sig
ENSG00000050130	JKAMP	JNK1/MAPK8 associated membrane protein	51528	712.4537071	-0.160898905	0.543040129	-0.296292846	0.767006449	0.999371363	Not Sig
ENSG00000230979	NA	NA	NA	5.25632805	-0.160815916	1.098224353	-0.146432663	0.883579844	NA	NA
ENSG00000180822	PSMG4	proteasome assembly chaperone 4	389362	378.5646541	-0.160348488	0.431292	-0.371786371	0.710051912	0.999371363	Not Sig
ENSG00000097033	SH3GLB1	SH3 domain containing GRB2 like, endophilin B1	51100	2441.577668	-0.160341699	0.521384207	-0.307530794	0.758439388	0.999371363	Not Sig
ENSG00000136152	COG3	component of oligomeric golgi complex 3	83548	1228.299223	-0.160327287	0.516095321	-0.310654409	0.75606336	0.999371363	Not Sig
ENSG00000111452	ADGRD1	adhesion G protein-coupled receptor D1	283383	1531.593881	-0.16012971	0.640286296	-0.250090797	0.802517133	0.999371363	Not Sig
ENSG00000234707	NA	NA	NA	0.997508086	-0.159986881	2.312890192	-0.069171845	0.944852834	NA	NA
ENSG00000159593	NAE1	NEDD8 activating enzyme E1 subunit 1	8883	569.7762576	-0.159959764	0.536930121	-0.297915422	0.765767717	0.999371363	Not Sig
ENSG00000152219	ARL14EP	ADP ribosylation factor like GTPase 14 effector protein	120534	423.6699211	-0.159940923	0.542724135	-0.294700222	0.768222894	0.999371363	Not Sig
ENSG00000204634	TBC1D8	TBC1 domain family member 8	11138	1161.373477	-0.159855147	0.450996699	-0.354448595	0.723002722	0.999371363	Not Sig
ENSG00000242607	NA	NA	NA	25.14447772	-0.159816173	1.260745965	-0.126763184	0.899127836	0.999371363	Not Sig
ENSG00000216775	LOC730101	uncharacterized LOC730101	730101	109.7322126	-0.159717838	0.499091077	-0.320017418	0.748955127	0.999371363	Not Sig
ENSG00000235863	B3GALT4	beta-1,3-galactosyltransferase 4	8705	376.2667639	-0.159690589	0.603001369	-0.264826246	0.791143317	0.999371363	Not Sig
ENSG00000123329	ARHGAP9	Rho GTPase activating protein 9	64333	455.252689	-0.159613241	0.7660213	-0.208366584	0.834942746	0.999371363	Not Sig
ENSG00000259498	NA	NA	NA	18.08179827	-0.159610916	1.083830113	-0.147265622	0.882922366	0.999371363	Not Sig
ENSG00000148356	LRSAM1	leucine rich repeat and sterile alpha motif containing 1	90678	663.792802	-0.159568217	0.486131692	-0.328240721	0.742729661	0.999371363	Not Sig
ENSG00000177058	SLC38A9	solute carrier family 38 member 9	153129	514.3965302	-0.159486012	0.650759233	-0.245076833	0.80639694	0.999371363	Not Sig
ENSG00000004478	FKBP4	FK506 binding protein 4	2288	1210.919882	-0.159439381	0.711736294	-0.224014683	0.822745878	0.999371363	Not Sig
ENSG00000139626	ITGB7	integrin subunit beta 7	3695	320.5139629	-0.159381967	0.88278148	-0.180545209	0.856724566	0.999371363	Not Sig
ENSG00000267981	NA	NA	NA	14.51202112	-0.15935324	1.096557477	-0.145321375	0.884457139	0.999371363	Not Sig

ENSG00000204406	MBD5	methyl-CpG binding domain protein 5	55777	866.3824695	-0.159316605	0.431937262	-0.368842002	0.712245495	0.999371363	Not Sig
ENSG00000207785	MIR500A	microRNA 500a	574502	1.474455889	-0.15908926	2.392355438	-0.066499007	0.946980549	NA	NA
ENSG00000099954	CECR2	CECR2, histone acetyl-lysine reader	27443	622.4892695	-0.158864371	0.573712783	-0.276905754	0.781852474	0.999371363	Not Sig
ENSG00000235262	NA	NA	NA	10.29009924	-0.158816817	0.920607929	-0.17251298	0.863034258	0.999371363	Not Sig
ENSG00000242247	ARFGAP3	ADP ribosylation factor GTPase activating protein 3	26286	1513.424739	-0.158600323	0.529761259	-0.29938075	0.764649548	0.999371363	Not Sig
ENSG00000254362	NA	NA	NA	7.221171155	-0.158586299	1.026451883	-0.154499496	0.877215908	0.999371363	Not Sig
ENSG00000172014	ANKRD20A4	ankyrin repeat domain 20 family member A4	728747	20.43035798	-0.158571055	0.750567501	-0.211268213	0.832677985	0.999371363	Not Sig
ENSG00000257607	NA	NA	NA	22.13806184	-0.158510035	0.866183949	-0.18299812	0.854799493	0.999371363	Not Sig
ENSG00000132485	ZRANB2	zinc finger RANBP2-type containing 2	9406	2444.133828	-0.158156993	0.641823838	-0.246418072	0.805358618	0.999371363	Not Sig
ENSG00000111269	CREBL2	cAMP responsive element binding protein like 2	1389	1565.758992	-0.158033739	0.435779612	-0.362646014	0.716869332	0.999371363	Not Sig
ENSG00000083817	ZNF416	zinc finger protein 416	55659	125.3017021	-0.158032936	0.510685025	-0.309452849	0.756977074	0.999371363	Not Sig
ENSG00000170653	ATF7	activating transcription factor 7	11016	1304.219892	-0.157971211	0.470219828	-0.335951828	0.736907193	0.999371363	Not Sig
ENSG00000206663	NA	NA	NA	2.97835393	-0.157915774	1.66436043	-0.094880755	0.924409543	NA	NA
ENSG00000264660	NA	NA	NA	5.584315883	-0.15777021	1.555537708	-0.10142487	0.919213195	NA	NA
ENSG00000092010	PSME1	proteasome activator subunit 1	5720	1634.986699	-0.157746055	0.626589305	-0.251753507	0.801231596	0.999371363	Not Sig
ENSG00000169242	EFNA1	ephrin A1	1942	2215.318285	-0.157728877	0.440228829	-0.358288388	0.720127507	0.999371363	Not Sig
ENSG00000110031	LPXN	leupaxin	9404	618.9262714	-0.157689174	0.674218726	-0.233884299	0.815074803	0.999371363	Not Sig
ENSG00000178567	EPM2AIP1	EPM2A interacting protein 1	9852	1252.873616	-0.157662441	0.53704364	-0.293574729	0.769082888	0.999371363	Not Sig
ENSG00000257176	LOC100506606	uncharacterized LOC100506606	100506606	44.46560907	-0.157625094	0.701912723	-0.22456509	0.822317626	0.999371363	Not Sig
ENSG00000143889	HNRNPLL	heterogeneous nuclear ribonucleoprotein L like	92906	1073.83586	-0.157528591	0.435679142	-0.361570193	0.717673242	0.999371363	Not Sig
ENSG00000014919	COX15	COX15, cytochrome c oxidase assembly homolog	1355	758.2744262	-0.15750142	0.480600201	-0.327718173	0.743124761	0.999371363	Not Sig
ENSG00000118260	CREB1	cAMP responsive element binding protein 1	1385	1745.784363	-0.157490554	0.525459382	-0.299719749	0.764390934	0.999371363	Not Sig
ENSG00000138246	DNAJC13	DnaJ heat shock protein family (Hsp40) member C13	23317	2539.909903	-0.157430742	0.486409785	-0.323658665	0.746196468	0.999371363	Not Sig
ENSG00000262766	NA	NA	NA	53.04237212	-0.157420354	0.623621081	-0.252429495	0.800709105	0.999371363	Not Sig
ENSG00000161048	NAPEPLD	N-acyl phosphatidylethanolamine phospholipase D	222236	379.1238295	-0.157399685	0.479632647	-0.328167162	0.742785275	0.999371363	Not Sig
ENSG00000105618	PRPF31	pre-mRNA processing factor 31	26121	905.4386314	-0.157393269	0.500051873	-0.314753884	0.752948529	0.999371363	Not Sig
ENSG00000167978	SRRM2	serine/arginine repetitive matrix 2	23524	23700.53333	-0.157349574	0.450502844	-0.349275428	0.726882544	0.999371363	Not Sig
ENSG00000250604	NA	NA	NA	2.856051823	-0.157237426	1.958410185	-0.080288301	0.936007963	NA	NA
ENSG00000197323	TRIM33	tripartite motif containing 33	51592	2149.507594	-0.157222342	0.591456833	-0.265822176	0.790376163	0.999371363	Not Sig
ENSG00000179361	ARID3B	AT-rich interaction domain 3B	10620	404.4575509	-0.156943666	0.522440977	-0.300404587	0.763868565	0.999371363	Not Sig
ENSG00000107815	TWNK	twinkle mtDNA helicase	56652	163.8427817	-0.156702908	0.4576879	-0.342379398	0.732065391	0.999371363	Not Sig
ENSG00000178974	FBX034	F-box protein 34	55030	1398.378388	-0.156686379	0.508753048	-0.307981209	0.758096631	0.999371363	Not Sig
ENSG00000168876	ANKRD49	ankyrin repeat domain 49	54851	255.0529975	-0.156602522	0.572052416	-0.273755547	0.784272487	0.999371363	Not Sig
ENSG00000262251	NA	NA	NA	21.17860611	-0.156601147	0.679582304	-0.230437352	0.817751939	0.999371363	Not Sig
ENSG00000205318	NA	NA	NA	2.854479703	-0.156191423	1.429130156	-0.109291251	0.912971486	NA	NA

ENSG00000169814	BTD	biotinidase		686	501.3834371	-0.155994447	0.458504824	-0.340224222	0.733687679	0.999371363	Not Sig
ENSG00000066117	SMARCD1	<small>SMARCD1 related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 1</small>		6602	983.0345558	-0.155990271	0.406060909	-0.384154858	0.700863674	0.999371363	Not Sig
ENSG00000203709	NA	NA	NA	3012	161473	-0.155954571	0.601700711	-0.259189607	0.79548895	0.999371363	Not Sig
ENSG00000131504	DIAPH1	diaphanous related formin 1		1729	5241.019031	-0.15592004	0.508898541	-0.30638728	0.759309792	0.999371363	Not Sig
ENSG00000166526	ZNF3	zinc finger protein 3		7551	742.4519434	-0.155818148	0.442042616	-0.35249576	0.724466498	0.999371363	Not Sig
ENSG00000165630	PRPF18	pre-mRNA processing factor 18		8559	220.6725623	-0.155790053	0.467624757	-0.333151851	0.739019661	0.999371363	Not Sig
ENSG00000118922	KLF12	Kruppel like factor 12		11278	577.0048667	-0.155518459	0.609275843	-0.255251314	0.798529001	0.999371363	Not Sig
ENSG00000222036	POTEM	POTE ankyrin domain family member M		641455	2.451223068	-0.155466017	1.73835185	-0.089432997	0.9287378	NA	NA
ENSG00000115598	IL1RL2	interleukin 1 receptor like 2		8808	86.52498467	-0.155396025	0.827949735	-0.187687753	0.851121431	0.999371363	Not Sig
ENSG00000135953	MFSD9	<small>major facilitator superfamily domain containing 9</small>		84804	292.0699104	-0.155328484	0.490901837	-0.316414549	0.751687875	0.999371363	Not Sig
ENSG00000206418	RAB12	RAB12, member RAS oncogene family		201475	857.1987103	-0.155312786	0.455196869	-0.341199152	0.732953661	0.999371363	Not Sig
ENSG00000137154	RPS6	ribosomal protein S6		6194	9260.086443	-0.155116865	0.524060046	-0.295990633	0.767237235	0.999371363	Not Sig
ENSG00000007080	CCDC124	coiled-coil domain containing 124		115098	594.2745284	-0.155068684	0.534312845	-0.290220768	0.771647349	0.999371363	Not Sig
ENSG00000187446	CHP1	calcineurin like EF-hand protein 1		11261	2860.504634	-0.155043564	0.49229176	-0.314942432	0.752805363	0.999371363	Not Sig
ENSG00000173145	NOC3L	NOC3 like DNA replication regulator		64318	515.7632957	-0.154848708	0.510393981	-0.303390545	0.76159225	0.999371363	Not Sig
ENSG00000075415	SLC25A3	solute carrier family 25 member 3		5250	3329.213513	-0.154782558	0.410504853	-0.377054148	0.706133365	0.999371363	Not Sig
ENSG00000068796	KIF2A	kinesin family member 2A		3796	1101.960552	-0.15475647	0.550213458	-0.281266239	0.778506203	0.999371363	Not Sig
ENSG00000141376	BCAS3	<small>BCAS3, microtubule associated cell migration factor</small>		54828	1055.758641	-0.154619602	0.388743568	-0.397741892	0.690820454	0.999371363	Not Sig
ENSG00000164117	FBX08	F-box protein 8		26269	363.1704895	-0.154559301	0.445539732	-0.346903521	0.728663802	0.999371363	Not Sig
ENSG00000198825	INPP5F	inositol polyphosphate-5-phosphatase F		22876	475.9762427	-0.154386397	0.540771074	-0.285493076	0.775266409	0.999371363	Not Sig
ENSG00000100523	DDHD1	DDHD domain containing 1		80821	747.6496458	-0.154372862	0.554073813	-0.278614254	0.780540873	0.999371363	Not Sig
ENSG00000163617	CCDC191	coiled-coil domain containing 191		57577	382.2530114	-0.154364842	0.476753729	-0.323783188	0.746102185	0.999371363	Not Sig
ENSG00000211882	NA	NA	NA	9	992654644	-0.154284967	1.177375228	-0.131041458	0.895742511	0.999371363	Not Sig
ENSG00000213197	NA	NA	NA	84	87706043	-0.154234948	0.519300512	-0.297005192	0.766462546	0.999371363	Not Sig
ENSG00000197483	ZNF628	zinc finger protein 628		89887	224.9167691	-0.154105771	0.554766569	-0.277784891	0.78117749	0.999371363	Not Sig
ENSG00000202198	RN7SK	RNA, 7SK small nuclear		125050	565362.8309	-0.154040289	0.405866288	-0.379534574	0.704290935	0.999371363	Not Sig
ENSG00000032219	ARID4A	AT-rich interaction domain 4A		5926	1454.451973	-0.153998734	0.456029507	-0.337694669	0.735593292	0.999371363	Not Sig
ENSG00000155629	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1		118788	1057.999456	-0.15386691	0.858144197	-0.179301929	0.857700632	0.999371363	Not Sig
ENSG00000254419	NA	NA	NA	34	47056173	-0.15382586	0.609187852	-0.252509729	0.800647095	0.999371363	Not Sig
ENSG00000221995	TIAF1	TGFB1-induced anti-apoptotic factor 1		9220	108.0785317	-0.153745326	0.501955149	-0.306292956	0.759381602	0.999371363	Not Sig
ENSG00000167987	VPS37C	VPS37C, ESCRT-I subunit		55048	772.5302102	-0.153600264	0.458232658	-0.335201478	0.737473107	0.999371363	Not Sig
ENSG00000177236	NA	NA	NA	44	50572778	-0.153461856	0.686126771	-0.223663996	0.823018763	0.999371363	Not Sig
ENSG00000237039	NA	NA	NA	5	929396375	-0.153458654	1.149089422	-0.133548052	0.893759964	NA	NA
ENSG00000162885	B3GALNT2	beta-1,3-N-acetylgalactosaminyltransferase 2		148789	569.9102686	-0.153335784	0.535664189	-0.286253565	0.77468392	0.999371363	Not Sig
ENSG00000118762	PKD2	<small>polycystin 2, transient receptor potential cation channel</small>		5311	1420.405126	-0.153273887	0.450065309	-0.340559212	0.73343544	0.999371363	Not Sig

ENSG00000167384	ZNF180	zinc finger protein 180	7733	252.5042129	-0.15317108	0.430847122	-0.355511438	0.722206478	0.999371363	Not Sig
ENSG00000105383	CD33	CD33 molecule	945	160.7235468	-0.153135009	0.893732483	-0.171343228	0.863953892	0.999371363	Not Sig
ENSG00000103310	ZP2	zona pellucida glycoprotein 2	7783	0.60396599	-0.15311512	3.524933395	-0.043437734	0.965352598	NA	NA
ENSG00000237584	NA	NA	NA	0.60396599	-0.15311512	3.524933395	-0.043437734	0.965352598	NA	NA
ENSG00000254680	NA	NA	NA	0.60396599	-0.15311512	3.524933395	-0.043437734	0.965352598	NA	NA
ENSG00000259883	NA	NA	NA	0.60396599	-0.15311512	3.524933395	-0.043437734	0.965352598	NA	NA
ENSG00000264583	MIR4487	microRNA 4487	100616222	0.60396599	-0.15311512	3.524933395	-0.043437734	0.965352598	NA	NA
ENSG00000105323	HNRNPUL1	heterogeneous nuclear ribonucleoprotein U like 1	11100	5218.788629	-0.153014026	0.450550638	-0.339615601	0.734146028	0.999371363	Not Sig
ENSG00000203813	NA	NA	NA	368.9576562	-0.153002123	0.592634339	-0.258172895	0.796273475	0.999371363	Not Sig
ENSG00000198954	KIF1BP	KIF1 binding protein	26128	539.5206234	-0.152972194	0.393883109	-0.388369519	0.697742598	0.999371363	Not Sig
ENSG00000141293	SKAP1	src kinase associated phosphoprotein 1	8631	161.2932029	-0.152919859	0.801872561	-0.190703444	0.84875794	0.999371363	Not Sig
ENSG00000204472	AIF1	allograft inflammatory factor 1	199	562.3293859	-0.152799595	0.97315964	-0.157013904	0.87523389	0.999371363	Not Sig
ENSG00000082512	TRAF5	TNF receptor associated factor 5	7188	588.070509	-0.152635299	0.636433515	-0.239829134	0.81046272	0.999371363	Not Sig
ENSG00000164403	SHROOM1	shroom family member 1	134549	568.0440908	-0.152424348	0.56620402	-0.269203931	0.787772756	0.999371363	Not Sig
ENSG00000120616	EPC1	enhancer of polycomb homolog 1	80314	1366.298968	-0.152331149	0.438219078	-0.347614143	0.728129983	0.999371363	Not Sig
ENSG00000134108	ARL8B	ADP ribosylation factor like GTPase 8B	55207	1872.126482	-0.152276651	0.545612022	-0.279093285	0.780173236	0.999371363	Not Sig
ENSG00000145741	BTF3	basic transcription factor 3	689	3147.674426	-0.152209037	0.427095204	-0.356381985	0.721554519	0.999371363	Not Sig
ENSG00000185019	UBOX5	U-box domain containing 5	22888	294.3353257	-0.152184002	0.538128586	-0.2828023	0.777328391	0.999371363	Not Sig
ENSG00000172273	HINFP	histone H4 transcription factor	25988	379.0651824	-0.152165449	0.423313683	-0.359462629	0.71924903	0.999371363	Not Sig
ENSG00000108264	NA	NA	NA	366.0165969	-0.152125771	0.420232412	-0.362003898	0.717349118	0.999371363	Not Sig
ENSG00000254978	NA	NA	NA	3.876320529	-0.151986592	1.556794999	-0.097627878	0.922227787	NA	NA
ENSG00000207205	RNVU1-15	RNA, variant U1 small nuclear 15	101954267	35.68153911	-0.151967882	0.821753927	-0.18493113	0.853283054	0.999371363	Not Sig
ENSG00000260081	LOC105373383	uncharacterized LOC105373383	105373383	7.379535816	-0.15181534	1.046013804	-0.145137033	0.884602679	0.999371363	Not Sig
ENSG00000162769	FLVCR1	feline leukemia virus subgroup C cellular receptor 1	28982	491.3590807	-0.151512668	0.651296265	-0.232632484	0.8160468	0.999371363	Not Sig
ENSG00000170633	RNF34	ring finger protein 34	80196	629.9746615	-0.151438089	0.424034654	-0.357136116	0.720989908	0.999371363	Not Sig
ENSG00000156990	RPUSD3	RNA pseudouridylate synthase domain containing 3	285367	339.1214539	-0.151348431	0.46494167	-0.325521331	0.744786541	0.999371363	Not Sig
ENSG00000224003	NA	NA	NA	76.82779633	-0.151341966	0.691705337	-0.218795429	0.826809408	0.999371363	Not Sig
ENSG00000104689	TNFRSF10A	TNF receptor superfamily member 10a	8797	550.2282513	-0.151123337	0.522123556	-0.289439798	0.772244843	0.999371363	Not Sig
ENSG00000146757	ZNF92	zinc finger protein 92	168374	277.3297477	-0.151048746	0.70230555	-0.215075541	0.829708423	0.999371363	Not Sig
ENSG00000215246	LOC100506688	uncharacterized LOC100506688	100506688	14.99051192	-0.150899275	1.185594073	-0.127277353	0.898720884	0.999371363	Not Sig
ENSG00000160741	CRTC2	CREB regulated transcription coactivator 2	200186	817.9206461	-0.15087746	0.466902876	-0.32314528	0.74658522	0.999371363	Not Sig
ENSG00000073614	KDM5A	lysine demethylase 5A	5927	3910.22712	-0.150851902	0.448080754	-0.336662311	0.736371478	0.999371363	Not Sig
ENSG00000177868	SVBP	small vasohibin binding protein	374969	116.5942682	-0.150786717	0.460833708	-0.327204184	0.743513457	0.999371363	Not Sig
ENSG00000107864	CPEB3	cytoplasmic polyadenylation element binding protein 3	22849	403.2730972	-0.15060317	0.52182036	-0.288611142	0.772878968	0.999371363	Not Sig
ENSG00000161558	TMEM143	transmembrane protein 143	55260	126.7690755	-0.150494863	0.497692994	-0.302384934	0.762358638	0.999371363	Not Sig

ENSG00000174928	C3orf33	chromosome 3 open reading frame 33	285315	96.66224455	-0.150164475	0.602500803	-0.249235312	0.803178766	0.999371363	Not Sig
ENSG00000270490	NA	NA	NA	3.83781746	-0.150109942	1.344766227	-0.111625306	0.911120506	NA	NA
ENSG00000186532	SMYD4	SET and MYND domain containing 4	114826	459.0328352	-0.150070157	0.421465512	-0.356067465	0.721790042	0.999371363	Not Sig
ENSG00000175906	ARL4D	ADP ribosylation factor like GTPase 4D	379	212.3734755	-0.150047366	0.632939012	-0.237064493	0.812606758	0.999371363	Not Sig
ENSG00000135776	ABCB10	ATP binding cassette subfamily B member 10	23456	621.3112356	-0.150039971	0.416352398	-0.360367737	0.71857215	0.999371363	Not Sig
ENSG00000155849	ELMO1	engulfment and cell motility 1	9844	1065.297778	-0.149959169	0.746976675	-0.200754822	0.840890291	0.999371363	Not Sig
ENSG00000151414	NEK7	NIMA related kinase 7	140609	2072.339227	-0.149888281	0.414587771	-0.361535703	0.71769902	0.999371363	Not Sig
ENSG00000122643	NT5C3A	5'-nucleotidase, cytosolic IIIA	51251	469.0703888	-0.149861843	0.598228952	-0.250509178	0.802193608	0.999371363	Not Sig
ENSG00000265683	NA	NA	NA	15.54478451	-0.149815717	1.013527666	-0.14781611	0.882487895	0.999371363	Not Sig
ENSG00000153130	SCOC	short coiled-coil protein	60592	1122.644986	-0.14978852	0.74451232	-0.201190116	0.840549919	0.999371363	Not Sig
ENSG00000244462	RBM12	RNA binding motif protein 12	10137	1793.806694	-0.149744187	0.472092857	-0.317192231	0.751097745	0.999371363	Not Sig
ENSG00000014138	POLA2	DNA polymerase alpha 2, accessory subunit	23649	343.3974547	-0.149497064	0.479966551	-0.311473921	0.755440365	0.999371363	Not Sig
ENSG00000100796	PPP4R3A	protein phosphatase 4 regulatory subunit 3A	55671	2743.377778	-0.149490813	0.444658561	-0.336192364	0.736725811	0.999371363	Not Sig
ENSG00000182162	P2RY8	P2Y receptor family member 8	286530	271.6051149	-0.149415621	0.790682713	-0.188970391	0.850116023	0.999371363	Not Sig
ENSG00000263895	NA	NA	NA	6.11009615	-0.149266204	1.102271256	-0.135416943	0.892282229	NA	NA
ENSG00000159733	ZFYVE28	zinc finger FYVE-type containing 28	57732	592.9038598	-0.149252329	0.505270565	-0.295390905	0.76769528	0.999371363	Not Sig
ENSG00000099840	IZUMO4	IZUMO family member 4	113177	45.98546396	-0.149235817	0.56863918	-0.262443782	0.792979322	0.999371363	Not Sig
ENSG00000124209	RAB22A	RAB22A, member RAS oncogene family	57403	1569.482167	-0.149202294	0.568519098	-0.262440249	0.792982045	0.999371363	Not Sig
ENSG00000105677	TMEM147	transmembrane protein 147	10430	679.1056967	-0.149121318	0.439666578	-0.3391691	0.734482345	0.999371363	Not Sig
ENSG00000063244	U2AF2	U2 small nuclear RNA auxiliary factor 2	11338	2635.603814	-0.148997479	0.465084409	-0.320366532	0.748690493	0.999371363	Not Sig
ENSG00000184517	ZFP1	ZFP1 zinc finger protein	162239	235.5987405	-0.148977802	0.424513226	-0.350937951	0.725634899	0.999371363	Not Sig
ENSG00000176624	MEX3C	mex-3 RNA binding family member C	51320	1039.656401	-0.148777514	0.412761556	-0.360444212	0.718514969	0.999371363	Not Sig
ENSG00000200913	SNORD46	small nucleolar RNA, C/D box 46	94161	15.48416661	-0.148609781	0.920526119	-0.161440048	0.871746827	0.999371363	Not Sig
ENSG00000018236	CNTN1	contactin 1	1272	258.0905171	-0.148504674	0.989604339	-0.150064696	0.880713573	0.999371363	Not Sig
ENSG00000051523	CYBA	cytochrome b-245 alpha chain	1535	3109.393102	-0.148375077	0.862518542	-0.172025376	0.863417579	0.999371363	Not Sig
ENSG00000083750	RRAGB	Ras related GTP binding B	10325	351.4857558	-0.148324177	0.417543205	-0.355230728	0.722416746	0.999371363	Not Sig
ENSG00000167747	C19orf48	chromosome 19 open reading frame 48	84798	337.5021811	-0.148077429	0.554693483	-0.266953613	0.789504877	0.999371363	Not Sig
ENSG00000115568	ZNF142	zinc finger protein 142	7701	787.363139	-0.147991505	0.487950676	-0.303291936	0.761667391	0.999371363	Not Sig
ENSG00000055147	FAM114A2	family with sequence similarity 114 member A2	10827	577.7151332	-0.14795465	0.446136245	-0.331635574	0.740164454	0.999371363	Not Sig
ENSG00000012061	ERCC1	ERCC excision repair 1, endonuclease non-catalytic subunit	2067	818.1847073	-0.147857055	0.475446665	-0.310985575	0.755811587	0.999371363	Not Sig
ENSG00000224856	NA	NA	NA	2.037073107	-0.147798772	1.84522115	-0.080098135	0.936159206	NA	NA
ENSG00000138382	METTL5	methyltransferase like 5	29081	201.4191014	-0.14769818	0.624287027	-0.236586977	0.812977225	0.999371363	Not Sig
ENSG00000167685	ZNF444	zinc finger protein 444	55311	879.597627	-0.147556991	0.562567266	-0.262292174	0.793096195	0.999371363	Not Sig
ENSG00000239396	NA	NA	NA	7.165663909	-0.147440325	1.005837513	-0.146584636	0.883459882	0.999371363	Not Sig
ENSG00000260366	NA	NA	NA	5.622121979	-0.147433691	1.205945365	-0.122255697	0.902696517	NA	NA

ENSG00000261691	NA	NA	NA	2.340356954	-0.147343759	1.768257909	-0.083327075	0.933591473	NA	NA
ENSG00000272054	NA	NA	NA	34.15331913	-0.147309095	0.761076486	-0.193553601	0.846525432	0.999371363	Not Sig
ENSG00000136536	7-Mar	membrane associated ring-CH-type finger 7	64844	2111.508367	-0.147197517	0.555514569	-0.26497508	0.791028659	0.999371363	Not Sig
ENSG00000170145	SIK2	salt inducible kinase 2	23235	2238.817365	-0.147140543	0.526206194	-0.279625259	0.779765026	0.999371363	Not Sig
ENSG00000243714	NA	NA	NA	22.46004639	-0.146807037	0.844504012	-0.173838175	0.861992642	0.999371363	Not Sig
ENSG00000149308	NPAT	nuclear protein, coactivator of histone transcription	4863	1001.925922	-0.146763071	0.622518282	-0.235757045	0.813621202	0.999371363	Not Sig
ENSG00000123349	PFDN5	prefoldin subunit 5	5204	1918.964696	-0.146730181	0.474025393	-0.309540761	0.756910211	0.999371363	Not Sig
ENSG00000154035	NA	NA	NA	506.2739978	-0.146682951	0.756862028	-0.193804082	0.84632929	0.999371363	Not Sig
ENSG00000129351	ILF3	interleukin enhancer binding factor 3	3609	4899.585568	-0.146675984	0.412871779	-0.355257955	0.722396351	0.999371363	Not Sig
ENSG00000136870	ZNF189	zinc finger protein 189	7743	657.8380977	-0.14643781	0.460846297	-0.317758461	0.750668162	0.999371363	Not Sig
ENSG00000196967	ZNF585A	zinc finger protein 585A	199704	182.3283757	-0.14643447	0.477866624	-0.306433769	0.759274401	0.999371363	Not Sig
ENSG00000109756	RAPGEF2	Rap guanine nucleotide exchange factor 2	9693	2515.328015	-0.146160473	0.397312814	-0.367872538	0.712968278	0.999371363	Not Sig
ENSG00000166226	CCT2	chaperonin containing TCP1 subunit 2	10576	1307.971193	-0.146140447	0.406557231	-0.359458486	0.719252128	0.999371363	Not Sig
ENSG00000136244	IL6	interleukin 6	3569	250.0193424	-0.145879334	0.746581827	-0.19539631	0.845082705	0.999371363	Not Sig
ENSG00000137266	SLC22A23	solute carrier family 22 member 23	63027	1779.676845	-0.145876363	0.530100212	-0.275186389	0.783173043	0.999371363	Not Sig
ENSG00000179632	MAF1	MAF1 homolog, negative regulator of RNA polymerase III	84232	1703.111757	-0.145843115	0.529800543	-0.275279286	0.783101677	0.999371363	Not Sig
ENSG00000255504	NA	NA	NA	5.734145205	-0.145829798	1.064523204	-0.136990718	0.891038132	NA	NA
ENSG00000226048	NA	NA	NA	4.714440842	-0.145674708	1.326193677	-0.109844218	0.912532922	NA	NA
ENSG00000132182	NUP210	nucleoporin 210	23225	2047.565	-0.145540803	0.504656304	-0.288395887	0.773043715	0.999371363	Not Sig
ENSG00000014824	SLC30A9	solute carrier family 30 member 9	10463	1637.927746	-0.145487287	0.589636965	-0.246740445	0.805109103	0.999371363	Not Sig
ENSG00000227908	FLJ31104	uncharacterized LOC441072	441072	14.97064753	-0.14509874	0.794290546	-0.182677158	0.855051339	0.999371363	Not Sig
ENSG00000105483	CARD8	caspase recruitment domain family member 8	22900	1126.935173	-0.145047043	0.506711215	-0.28625189	0.774685204	0.999371363	Not Sig
ENSG00000164904	ALDH7A1	aldehyde dehydrogenase 7 family member A1	501	965.3051562	-0.145013817	0.451831006	-0.320947023	0.748250538	0.999371363	Not Sig
ENSG00000263809	NA	NA	NA	10.32911199	-0.144924356	0.856024716	-0.169299266	0.865561253	0.999371363	Not Sig
ENSG00000137074	APTX	aprataxin	54840	417.0203876	-0.1448519	0.435116794	-0.332903491	0.739207134	0.999371363	Not Sig
ENSG00000229954	NA	NA	NA	27.48699647	-0.144736157	1.110638857	-0.13031793	0.896314895	0.999371363	Not Sig
ENSG00000180104	EXOC3	exocyst complex component 3	11336	1492.285896	-0.144723314	0.490131989	-0.295274166	0.76778445	0.999371363	Not Sig
ENSG00000189269	DRICH1	aspartate rich 1	51233	14.41091399	-0.144723237	0.827339845	-0.174925985	0.861137792	0.999371363	Not Sig
ENSG00000196878	LAMB3	laminin subunit beta 3	3914	5718.179009	-0.144634464	0.916221283	-0.157859751	0.874567314	0.999371363	Not Sig
ENSG00000120341	SEC16B	SEC16 homolog B, endoplasmic reticulum export factor	89866	11.84607377	-0.144592266	0.832982321	-0.173583835	0.862192537	0.999371363	Not Sig
ENSG00000135828	RNASEL	ribonuclease L	6041	673.310101	-0.144498591	0.464281414	-0.311230618	0.755625308	0.999371363	Not Sig
ENSG00000266308	NA	NA	NA	1.003945622	-0.144325508	2.101475054	-0.068678192	0.945245777	NA	NA
ENSG00000171148	TADA3	transcriptional adaptor 3	10474	1457.498572	-0.144299646	0.484514091	-0.297823424	0.765837936	0.999371363	Not Sig
ENSG00000144040	SFXN5	sideroflexin 5	94097	380.5859054	-0.144257391	0.485072408	-0.29739352	0.76616609	0.999371363	Not Sig
ENSG00000155380	SLC16A1	solute carrier family 16 member 1	6566	223.6553516	-0.144105892	0.486066192	-0.296473803	0.766868271	0.999371363	Not Sig

ENSG00000141576	RNF157	ring finger protein 157	114804	69.05523761	-0.144002877	0.655664141	-0.219629027	0.826160083	0.999371363	Not Sig
ENSG00000141741	MIEN1	migration and invasion enhancer 1	84299	434.3661719	-0.143965365	0.475187145	-0.302965614	0.761916067	0.999371363	Not Sig
ENSG00000119396	RAB14	RAB14, member RAS oncogene family	51552	2533.720729	-0.143899067	0.381007485	-0.37768042	0.705668015	0.999371363	Not Sig
ENSG00000182534	MXRA7	matrix remodeling associated 7	439921	2385.099118	-0.143888721	0.667983677	-0.215407541	0.829449591	0.999371363	Not Sig
ENSG00000207088	SNORA7B	small nucleolar RNA, H/ACA box 7B	677797	10.74958853	-0.143768401	0.897396501	-0.160206109	0.872718718	0.999371363	Not Sig
ENSG00000197603	C5orf42	chromosome 5 open reading frame 42	65250	2543.483799	-0.143719328	0.626007325	-0.229580904	0.818417447	0.999371363	Not Sig
ENSG00000165660	ABRAXAS2	abraxas 2, BRISC complex subunit	23172	365.634904	-0.143703262	0.4440056	-0.323651913	0.746201581	0.999371363	Not Sig
ENSG00000251656	NA	NA	NA	1.818075215	-0.143629623	2.215091641	-0.064841391	0.948300286	NA	NA
ENSG00000172354	GNB2	G protein subunit beta 2	2783	3664.04378	-0.143555451	0.550333115	-0.260851923	0.794206702	0.999371363	Not Sig
ENSG00000105202	FBL	fibrillarin	2091	791.6297826	-0.143554676	0.519400705	-0.276385217	0.78225221	0.999371363	Not Sig
ENSG00000138767	CNOT6L	CCR4-NOT transcription complex subunit 6 like	246175	1950.038437	-0.143551647	0.594681567	-0.241392461	0.809250955	0.999371363	Not Sig
ENSG00000108010	GLRX3	glutaredoxin 3	10539	693.7752586	-0.143511851	0.575710816	-0.24927767	0.803146003	0.999371363	Not Sig
ENSG00000186166	CCDC84	coiled-coil domain containing 84	338657	784.8069477	-0.14349061	0.476003917	-0.301448381	0.763072607	0.999371363	Not Sig
ENSG00000139719	VPS33A	VPS33A, CORVET/HOPS core subunit	65082	201.2798383	-0.143484187	0.518560734	-0.276696976	0.782012794	0.999371363	Not Sig
ENSG00000100441	KHNYN	KH and NYN domain containing	23351	2556.390292	-0.143322299	0.467091085	-0.30684015	0.758965046	0.999371363	Not Sig
ENSG00000111490	TBC1D30	TBC1 domain family member 30	23329	603.7874696	-0.143223383	0.691529156	-0.207111127	0.835923072	0.999371363	Not Sig
ENSG00000086189	DIMT1	DIM1 dimethyladenosine transferase 1 homolog	27292	255.8165785	-0.143221833	0.503787418	-0.284290215	0.776187985	0.999371363	Not Sig
ENSG00000049167	ERCC8	ERCC excision repair 8, CSA ubiquitin ligase complex subunit	1161	219.2748156	-0.143104644	0.601869936	-0.237766726	0.812062027	0.999371363	Not Sig
ENSG00000226312	CFLAR-AS1	CFLAR antisense RNA 1	65072	4.024976446	-0.142951114	1.855803554	-0.077029227	0.938600294	NA	NA
ENSG00000215154	LOC652276	potassium channel tetramerization domain containing 5 pseudogene	652276	123.1258818	-0.142899802	0.514937118	-0.277509227	0.781389122	0.999371363	Not Sig
ENSG00000110844	PRPF40B	pre-mRNA processing factor 40 homolog B	25766	437.7363307	-0.142856557	0.421564867	-0.338872065	0.734706109	0.999371363	Not Sig
ENSG00000267757	EML2-AS1	EML2 antisense RNA 1	100287177	11.18775089	-0.142820533	0.865824418	-0.164953229	0.868980796	0.999371363	Not Sig
ENSG00000115446	UNC50	unc-50 inner nuclear membrane RNA binding protein	25972	560.8547893	-0.14281197	0.457142145	-0.312401672	0.75473528	0.999371363	Not Sig
ENSG00000164808	SPIDR	scaffolding protein involved in DNA repair	23514	1643.819303	-0.142769765	0.454559618	-0.314083696	0.753457472	0.999371363	Not Sig
ENSG00000244165	P2RY11	purinergic receptor P2Y11	5032	83.38991199	-0.142754006	0.615793537	-0.231821216	0.816676878	0.999371363	Not Sig
ENSG00000237738	RNF216-IT1	RNF216 intronic transcript 1	100874342	21.522123	-0.142699524	0.760579395	-0.187619498	0.85117494	0.999371363	Not Sig
ENSG00000179818	PCBP1-AS1	PCBP1 antisense RNA 1	400960	573.0488874	-0.142653099	0.463387571	-0.30784835	0.758197729	0.999371363	Not Sig
ENSG00000104327	CALB1	calbindin 1	793	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000125998	FAM83C	family with sequence similarity 83 member C	128876	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000146809	ASB15	ankyrin repeat and SOCS box containing 15	142685	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000175514	GPR152	G protein-coupled receptor 152	390212	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199350	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000201778	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000202031	SNORD38A	small nucleolar RNA, C/D box 38A	94162	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000207218	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000207244	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000207782	MIR150	microRNA 150	406942	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213303	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213332	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213701	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214313	AZGP1P1	alpha-2-glycoprotein 1, zinc-binding pseudogene 1	646282	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000216197	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000222222	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223191	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223335	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223543	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223563	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000224059	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000224459	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225715	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226972	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229854	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230186	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232059	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232553	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233594	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236530	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236862	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237138	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238225	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238971	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000240820	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251087	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251852	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252013	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253092	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253232	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253606	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000256542	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000256757	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000259102	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263450	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263816	MIR548AW	microRNA 548aw	100846992	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264024	MIR4507	microRNA 4507	100616135	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264857	MIR5696	microRNA 5696	100847007	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266325	MIR3665	microRNA 3665	100500861	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000267360	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000269360	NA	NA	NA	0.316573926	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000102069	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000115592	PRKAG3	protein kinase AMP-activated non-catalytic subunit gamma 3	53632	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000127530	OR7C1	olfactory receptor family 7 subfamily C member 1	26664	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000130173	ANGPTL8	angiotensinogen-like 8	55908	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000134438	RAX	retina and anterior neural fold homeobox	30062	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000138892	TTL8	tubulin tyrosine ligase like 8	164714	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000139053	PDE6H	phosphodiesterase 6H	5149	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000143278	F13B	coagulation factor XIII B chain	2165	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000144227	NXPH2	neurexophilin 2	11249	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000147869	CER1	cerberus 1, DAN family BMP antagonist	9350	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000154611	PSMA8	proteasome subunit alpha 8	143471	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000159248	GJD2	gap junction protein delta 2	57369	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000162188	GNG3	G protein subunit gamma 3	2785	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000163377	FAM19A4	family with sequence similarity 19 member A1, C-C motif chemokine like	151647	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000163792	TCF23	transcription factor 23	150921	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000165805	C12orf50	chromosome 12 open reading frame 50	160419	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000165862	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000166800	LDHAL6A	lactate dehydrogenase A like 6A	160287	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000168509	HFE2	hemochromatosis type 2 (juvenile)	148738	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000169164	XAGE-4	XAGE-4 protein	139629	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000171431	KRT20	keratin 20	54474	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000172799	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000174521	TTC9B	tetratricopeptide repeat domain 9B	148014	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000175319	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000176194	CIDEA	cell death-inducing DFFA-like effector a	1149	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000176571	CNBD1	cyclic nucleotide binding domain containing 1	168975	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000177558	FAM187B	family with sequence similarity 187 member B	148109	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000178233	TMEM151B	transmembrane protein 151B	441151	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000178772	CPN2	carboxypeptidase N subunit 2	1370	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000179046	TRIML2	tripartite motif family like 2	205860	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000179577	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000180083	WFDC11	WAP four-disulfide core domain 11	259239	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000180934	OR56A1	olfactory receptor family 56 subfamily A member 1	120796	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000181017	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000181514	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000181800	CELF2-AS1	CELF2 antisense RNA 1	414196	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000182625	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000183185	GABRR3	gamma-aminobutyric acid type A receptor rho3 subunit (gene/pseudogene)	200959	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000184022	OR2T10	olfactory receptor family 2 subfamily T member 10	127069	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000184188	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000185162	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000186743	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000186895	FGF3	fibroblast growth factor 3	2248	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000187243	MAGED4B	MAGE family member D4B	81557	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000187472	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000188280	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000188451	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000188620	HMX3	H6 family homeobox 3	340784	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000188770	OPTC	opticin	26254	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000189089	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000197454	OR2L5	olfactory receptor family 2 subfamily L member 5	81466	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000197830	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000197978	GOLGA6L9	golgin A6 family-like 9	440295	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199088	MIR379	microRNA 379	494328	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199476	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199865	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199880	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199899	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000199971	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000200564	SNORD115-39	small nucleolar RNA, C/D box 115-39	100033813	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000200833	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000200941	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000202159	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000202542	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000203469	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000203593	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000203897	SPATA42	spermatogenesis associated 42 (non-protein coding)	642864	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000204518	AADACL4	arylacetamide deacetylase like 4	343066	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000204655	MOG	myelin oligodendrocyte glycoprotein	4340	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000205281	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000206695	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000206795	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000207007	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000207041	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000207177	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000207720	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000209082	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000211912	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212076	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212136	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212187	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212336	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212409	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212643	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212769	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212829	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000212952	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213130	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213333	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213642	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000213938	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214006	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214185	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214556	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214760	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214889	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000214998	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000215016	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000215029	TCP11X1	t-complex 11 family, X-linked 1	100996631	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000215029	TCP11X2	t-complex 11 family, X-linked 2	100996648	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000215156	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000215203	GRXCR1	glutaredoxin and cysteine rich domain containing 1	389207	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000215278	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000215568	GAB4	GRB2 associated binding protein family member 4	128954	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000216102	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000216624	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000217874	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000217878	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000218483	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000218698	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000219146	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000219186	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000220377	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000220937	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000221307	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000221594	MIR548F1	microRNA 548f-1	100302192	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000221747	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000222051	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000222102	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000222552	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000222631	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000222915	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223062	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223427	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223503	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223523	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223728	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000223837	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000224144	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000224272	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000224763	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000224911	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000225117	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225402	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225496	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225903	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225918	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225965	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000225984	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226081	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226543	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226557	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226576	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226621	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226631	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226661	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226706	LOC101928525	uncharacterized LOC101928525	101928525	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226767	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000226957	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000227008	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000227034	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000227154	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000227590	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000227941	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228053	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228376	GAS2L1P2	growth arrest specific 2 like 1 pseudogene 2	340508	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228481	LOC105374580	uncharacterized LOC105374580	105374580	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228523	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228656	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228700	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228703	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228868	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000228970	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229327	LOC102031319	uncharacterized LOC102031319	102031319	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229393	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229510	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229570	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000229781	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229835	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229847	EMX2OS	EMX2 opposite strand/antisense RNA	196047	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000229897	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230037	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230079	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230097	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230119	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230146	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230201	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230216	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230455	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230492	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230519	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230925	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000230948	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000231206	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000231300	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000231903	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232075	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232380	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232409	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232684	ATP11A-AS1	ATP11A antisense RNA 1	100874205	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000232692	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233111	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233153	UBE2E2-AS1	UBE2E2 antisense RNA 1 (head to head)	100505877	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233311	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233544	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233708	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233729	LOC101928185	uncharacterized LOC101928185	101928185	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233776	LINC01251	long intergenic non-protein coding RNA 1251	101929688	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000233888	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000234042	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000234256	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000234299	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000234537	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000234569	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000234972	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000234982	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000235045	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000235266	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000235267	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000235275	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000235438	LOC105370105	uncharacterized LOC105370105	105370105	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000235916	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236202	GRM7-AS1	GRM7 antisense RNA 1	100873937	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236208	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236546	LOC105378668	uncharacterized LOC105378668	105378668	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236741	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236852	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236857	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236980	C3orf84	chromosome 3 open reading frame 84	646498	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000236996	MLIP-IT1	MLIP intronic transcript 1	100874282	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237020	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237234	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237321	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237341	SYP-AS1	SYP antisense RNA 1	100873921	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237555	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237568	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237603	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000237964	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238178	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238211	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238222	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238244	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238251	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238310	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238477	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238583	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000238767	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000238951	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000239135	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000239293	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000239345	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000239473	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000239776	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000239830	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000240096	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000240135	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000240490	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000240674	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000240704	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000241134	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000241439	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000241651	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000241656	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000242083	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000242159	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000242405	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000242856	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000242991	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000243257	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000243273	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000243352	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000243429	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000243830	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000244003	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000244392	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000244456	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000244573	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000244585	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000246130	LOC286059	TNF receptor superfamily member 10d pseudogene	286059	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000248572	EGFLAM-AS2	EGFLAM antisense RNA 2	100506475	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000248821	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000249337	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000249780	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000250194	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000250332	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000250348	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000250536	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251107	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251304	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251309	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251453	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251493	FOXD1	forkhead box D1	2297	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251596	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251627	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000251865	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252000	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252211	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252254	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252519	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252521	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252644	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252814	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252883	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000252940	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253188	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253332	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253393	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253721	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253831	ETV3L	ETS variant 3 like	440695	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253912	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253971	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000253993	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254037	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254129	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254151	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254157	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254244	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000254289	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254483	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254553	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254574	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254592	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254768	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254814	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000254846	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255010	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255058	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255092	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255114	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255126	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255245	FXVD6-FXVD2	FXVD6-FXVD2 readthrough	100533181	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255274	SMIM35	small integral membrane protein 35	100526771	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255311	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255340	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255438	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255641	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255725	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255734	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255800	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000255916	LOC101928416	uncharacterized LOC101928416	101928416	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000256049	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000256282	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000256835	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000257275	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000257376	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000257675	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000257852	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000257918	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000258401	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000258509	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000258597	SERPINA2	serpin family A member 2 (gene/pseudogene)	390502	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000258730	ITPK1-AS1	ITPK1 antisense RNA 1	319085	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000258778	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000258895	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259019	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259046	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259270	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259397	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259421	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259446	LOC101928134	uncharacterized LOC101928134	101928134	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259464	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259595	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259657	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259707	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259752	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259873	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259890	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259904	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000259910	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000260051	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000260675	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000261375	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000261514	LINC01976	long intergenic non-protein coding RNA 1976	107546764	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000261570	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000261606	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000261647	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000261915	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000262791	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000262899	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263196	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263218	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263499	LOC101927539	uncharacterized LOC101927539	101927539	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263542	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263643	MIR4515	microRNA 4515	100616404	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263810	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263846	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263877	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000263885	MIR3920	microRNA 3920	100500823	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263928	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000263995	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264408	MIR4470	microRNA 4470	100616484	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264474	MIR4656	microRNA 4656	100616465	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264541	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264914	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000264946	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000265009	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000265372	MIR4675	microRNA 4675	100616383	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000265597	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266043	MIR3649	microRNA 3649	100500816	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266597	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266633	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266696	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266728	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266963	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000266973	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000267142	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000267241	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000267580	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000267713	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000267906	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000268056	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000268173	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000268335	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000268723	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000269053	NA	NA	NA	0.351474265	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000269139	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000269446	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000269763	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270258	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270352	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270521	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270655	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA

ENSG00000270664	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270666	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270729	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270846	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270896	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270906	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000270993	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271199	NA	NA	NA	0.393542096	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271207	NA	NA	NA	0.352204222	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271257	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271353	NA	NA	NA	0.335167473	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271379	NA	NA	NA	0.300267135	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271385	NA	NA	NA	0.310136391	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271477	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271612	NA	NA	NA	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000271723	MROH7-TTC4	MROH7-TTC4 readthrough (NMD candidate)	100527960	0.293829599	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000272448	NA	NA	NA	0.358641758	-0.142651885	4.080472857	-0.034959646	0.972111919	NA	NA
ENSG00000106346	USP42	ubiquitin specific peptidase 42	84132	782.7446724	-0.142557823	0.444135953	-0.320977895	0.748227143	0.999371363	Not Sig
ENSG00000088727	KIF9	kinesin family member 9	64147	177.9753097	-0.14249569	0.45575771	-0.312656675	0.754541515	0.999371363	Not Sig
ENSG00000238713	NA	NA	NA	13.02908591	-0.142448487	0.885497461	-0.160868318	0.872197115	0.999371363	Not Sig
ENSG00000101546	RBFA	ribosome binding factor A	79863	233.5321623	-0.142299924	0.525198804	-0.270944874	0.786433431	0.999371363	Not Sig
ENSG00000261438	NA	NA	NA	33.95231526	-0.142208583	0.688532866	-0.206538555	0.836370252	0.999371363	Not Sig
ENSG00000267222	NA	NA	NA	6.533933459	-0.142138445	1.287976504	-0.110357949	0.912125501	NA	NA
ENSG00000169946	ZFPM2	zinc finger protein, FOG family member 2	23414	292.5211587	-0.142055496	0.460078438	-0.308763646	0.757501325	0.999371363	Not Sig
ENSG00000242689	CNTF	ciliary neurotrophic factor	1270	11.94362705	-0.141843055	0.953139135	-0.148816736	0.881698244	0.999371363	Not Sig
ENSG00000206727	SNORD116-9	small nucleolar RNA, C/D box 116-9	100033421	5.170603974	-0.141740282	1.787154805	-0.079310579	0.936785592	NA	NA
ENSG00000125484	GTF3C4	general transcription factor IIIC subunit 4	9329	1123.431876	-0.141715581	0.480611569	-0.294865106	0.768096929	0.999371363	Not Sig
ENSG00000167765	NA	NA	NA	11.96139029	-0.141688371	0.802747989	-0.176504175	0.859897869	0.999371363	Not Sig
ENSG00000263790	MIR4473	microRNA 4473	100616229	8.452030327	-0.141676698	1.320003802	-0.107330523	0.914526771	0.999371363	Not Sig
ENSG00000215032	NA	NA	NA	5.526118064	-0.141565904	1.109363795	-0.127609991	0.898457624	NA	NA
ENSG00000223478	LOC100506100	uncharacterized LOC100506100	100506100	19.98488447	-0.141423024	0.67991826	-0.208000038	0.835228938	0.999371363	Not Sig
ENSG00000166451	CENPN	centromere protein N	55839	139.411975	-0.141298335	0.518992359	-0.272255136	0.78542585	0.999371363	Not Sig
ENSG00000254936	NA	NA	NA	26.48895843	-0.141288733	0.890340627	-0.15869065	0.873912605	0.999371363	Not Sig
ENSG00000116882	HAO2	hydroxyacid oxidase 2	51179	2.378689013	-0.141018102	1.554330205	-0.090725961	0.927710341	NA	NA
ENSG00000267306	NA	NA	NA	7.772204415	-0.141016772	1.359780672	-0.103705527	0.91740304	0.999371363	Not Sig

ENSG00000271976	NA	NA	NA	64.34116091	-0.140975646	0.823349992	-0.171222016	0.864049197	0.999371363	Not Sig
ENSG00000162923	WDR26	WD repeat domain 26	80232	4247.866162	-0.140832393	0.463751921	-0.303680451	0.761371353	0.999371363	Not Sig
ENSG00000267698	NA	NA	NA	9.864607961	-0.140552379	0.902169198	-0.155793813	0.876195548	0.999371363	Not Sig
ENSG00000089063	TMEM230	transmembrane protein 230	29058	1203.737733	-0.140422853	0.526014649	-0.266956165	0.789502912	0.999371363	Not Sig
ENSG00000202107	NA	NA	NA	29.38901426	-0.140418806	0.785424639	-0.17878075	0.858109861	0.999371363	Not Sig
ENSG00000109189	USP46	ubiquitin specific peptidase 46	64854	429.845143	-0.140338483	0.462082822	-0.303708505	0.761349978	0.999371363	Not Sig
ENSG00000175416	CLTB	clathrin light chain B	1212	944.242098	-0.140229535	0.596545403	-0.235069342	0.814154914	0.999371363	Not Sig
ENSG00000213057	Clorf220	chromosome 1 open reading frame 220 (putative)	400798	8.231948602	-0.140124959	1.084629437	-0.129191551	0.897206082	0.999371363	Not Sig
ENSG00000080608	PUM3	pumilio RNA binding family member 3	9933	651.5131201	-0.139978802	0.459227825	-0.304813417	0.760508263	0.999371363	Not Sig
ENSG00000226986	NA	NA	NA	1.214369515	-0.139946362	2.408677156	-0.058100921	0.953668241	NA	NA
ENSG00000159322	ADPGK	ADP dependent glucokinase	83440	1822.955536	-0.13986061	0.390763241	-0.357916496	0.720405805	0.999371363	Not Sig
ENSG00000005100	DHX33	DEAH-box helicase 33	56919	535.7961687	-0.139828351	0.451247274	-0.309870794	0.756659213	0.999371363	Not Sig
ENSG00000168116	KIAA1586	KIAA1586	57691	217.1952079	-0.13980427	0.700309078	-0.19963224	0.841768211	0.999371363	Not Sig
ENSG00000033178	UBA6	ubiquitin like modifier activating enzyme 6	55236	1813.582072	-0.139796011	0.709981658	-0.196900877	0.843905107	0.999371363	Not Sig
ENSG00000039650	PNKP	polynucleotide kinase 3'-phosphatase	11284	646.6757944	-0.139751755	0.503750513	-0.277422557	0.781455663	0.999371363	Not Sig
ENSG00000166225	FRS2	fibroblast growth factor receptor substrate 2	10818	855.302784	-0.139751064	0.551599359	-0.253356102	0.799993046	0.999371363	Not Sig
ENSG00000236699	ARHGEF38	Rho guanine nucleotide exchange factor 38	54848	1218.529664	-0.139664047	0.666373155	-0.209588345	0.833988977	0.999371363	Not Sig
ENSG00000255559	ZNF252P-AS1	ZNF252P antisense RNA 1	286103	21.91648421	-0.139501203	0.713356992	-0.195555949	0.844957742	0.999371363	Not Sig
ENSG00000125089	SH3TC1	SH3 domain and tetratricopeptide repeats 1	54436	1278.187167	-0.139437061	0.473316423	-0.294595866	0.768302621	0.999371363	Not Sig
ENSG00000114023	FAM162A	family with sequence similarity 162 member A	26355	328.1766536	-0.13942636	0.447003425	-0.311913405	0.755106335	0.999371363	Not Sig
ENSG00000263857	MIR4729	microRNA 4729	100616204	13.95920732	-0.13931086	0.754615411	-0.184611734	0.853533582	0.999371363	Not Sig
ENSG00000015475	BID	BH3 interacting domain death agonist	637	413.0840157	-0.139289182	0.559419888	-0.248988612	0.80336959	0.999371363	Not Sig
ENSG00000151748	SAV1	salvador family WW domain containing protein 1	60485	800.3227191	-0.139251563	0.45629262	-0.305180397	0.760228761	0.999371363	Not Sig
ENSG00000153006	SREK1IP1	SREK1 interacting protein 1	285672	715.2082491	-0.139035638	0.562748048	-0.247065518	0.80485752	0.999371363	Not Sig
ENSG00000107874	CUEDC2	CUE domain containing 2	79004	404.5937501	-0.138881196	0.584633694	-0.237552502	0.812228194	0.999371363	Not Sig
ENSG00000119318	RAD23B	RAD23 homolog B, nucleotide excision repair protein	5887	3090.557867	-0.138744641	0.40472872	-0.342808984	0.731742167	0.999371363	Not Sig
ENSG00000188234	AGAP4	ArFGAP with GTPase domain, ankyrin repeat and PH domain 4	119016	74.23554128	-0.138740961	0.652107392	-0.212757841	0.831515848	0.999371363	Not Sig
ENSG00000161036	LRWD1	leucine rich repeats and WD repeat domain containing 1	222229	387.4691985	-0.13870336	0.681213701	-0.203612111	0.838656628	0.999371363	Not Sig
ENSG00000230896	NA	NA	NA	33.99011425	-0.138680326	0.621086398	-0.22328669	0.823312386	0.999371363	Not Sig
ENSG00000267080	ASB16-AS1	ASB16 antisense RNA 1	339201	201.942592	-0.138598571	0.463119574	-0.299271676	0.764732764	0.999371363	Not Sig
ENSG00000252311	NA	NA	NA	5.161193488	-0.138575022	1.254684542	-0.110446106	0.912055589	NA	NA
ENSG00000154144	TBRG1	transforming growth factor beta regulator 1	84897	1004.443779	-0.138426615	0.44861684	-0.308563128	0.757653872	0.999371363	Not Sig
ENSG00000237493	NA	NA	NA	0.926977452	-0.138413946	2.634727017	-0.052534454	0.958102843	NA	NA
ENSG00000251075	NA	NA	NA	0.926977452	-0.138413946	2.634727017	-0.052534454	0.958102843	NA	NA
ENSG00000254501	NA	NA	NA	0.926977452	-0.138413946	2.634727017	-0.052534454	0.958102843	NA	NA

ENSG00000187514	PTMA	prothymosin, alpha	5757	12492.70642	-0.138186806	0.375732458	-0.367779793	0.713037437	0.999371363	Not Sig
ENSG00000187514	LOC728026	prothymosin alpha-like	728026	12492.70642	-0.138186806	0.375732458	-0.367779793	0.713037437	0.999371363	Not Sig
ENSG00000201229	SNORA63D	small nucleolar RNA, H/ACA box 63D	109616971	0.687371696	-0.138127994	2.946420868	-0.046879926	0.962608927	NA	NA
ENSG00000213376	NA	NA	NA	0.687371696	-0.138127994	2.946420868	-0.046879926	0.962608927	NA	NA
ENSG00000229758	NA	NA	NA	0.687371696	-0.138127994	2.946420868	-0.046879926	0.962608927	NA	NA
ENSG00000249245	NA	NA	NA	0.687371696	-0.138127994	2.946420868	-0.046879926	0.962608927	NA	NA
ENSG00000254707	NA	NA	NA	0.687371696	-0.138127994	2.946420868	-0.046879926	0.962608927	NA	NA
ENSG00000255549	NA	NA	NA	0.687371696	-0.138127994	2.946420868	-0.046879926	0.962608927	NA	NA
ENSG00000183386	FHL3	four and a half LIM domains 3	2275	365.0239403	-0.138016801	0.522806295	-0.263992232	0.791785905	0.999371363	Not Sig
ENSG00000114956	DGUOK	deoxyguanosine kinase	1716	449.4591266	-0.13801164	0.422343512	-0.326775802	0.743837463	0.999371363	Not Sig
ENSG00000124357	NAGK	N-acetylglucosamine kinase	55577	1067.573007	-0.137949154	0.509972781	-0.270502975	0.786773329	0.999371363	Not Sig
ENSG00000145002	FAM86B2	family with sequence similarity 86 member B2	653333	10.89488974	-0.137906243	0.964941419	-0.1429167	0.886355969	0.999371363	Not Sig
ENSG00000157837	SPPL3	signal peptide peptidase like 3	121665	1205.882993	-0.137786648	0.413881069	-0.332913628	0.739199482	0.999371363	Not Sig
ENSG00000138722	MMRN1	multimerin 1	22915	348.0397221	-0.137771818	0.820164669	-0.167980679	0.866598479	0.999371363	Not Sig
ENSG00000095261	PSMD5	proteasome 26S subunit, non-ATPase 5	5711	901.0031673	-0.137716358	0.429224388	-0.320849331	0.748324573	0.999371363	Not Sig
ENSG00000152518	ZFP36L2	ZFP36 ring finger protein like 2	678	5681.76639	-0.137698183	0.633711732	-0.217288359	0.827983628	0.999371363	Not Sig
ENSG00000089775	ZBTB25	zinc finger and BTB domain containing 25	7597	767.9826269	-0.137610334	0.623689229	-0.220639266	0.825373325	0.999371363	Not Sig
ENSG00000179240	GVQW3	GVQW motif containing 3	100506127	65.93212728	-0.137543285	0.482850467	-0.284856894	0.775753782	0.999371363	Not Sig
ENSG00000186448	ZNF197	zinc finger protein 197	10168	642.5290444	-0.137305273	0.433784711	-0.316528614	0.75160131	0.999371363	Not Sig
ENSG00000186448	ZNF660-ZNF197	ZNF660-ZNF197 readthrough	110354863	642.5290444	-0.137305273	0.433784711	-0.316528614	0.75160131	0.999371363	Not Sig
ENSG00000092978	GPATCH2	G-patch domain containing 2	55105	775.7957761	-0.137282796	0.626490139	-0.219130019	0.826548767	0.999371363	Not Sig
ENSG00000144136	SLC20A1	solute carrier family 20 member 1	6574	1644.716169	-0.137274959	0.517589902	-0.265219547	0.790840338	0.999371363	Not Sig
ENSG00000175137	SH3BP5L	SH3 binding domain protein 5 like	80851	845.1208073	-0.137247663	0.555006164	-0.24729034	0.804683535	0.999371363	Not Sig
ENSG00000119487	MAPKAP1	mitogen-activated protein kinase associated protein 1	79109	1432.255452	-0.137124713	0.421657269	-0.325204195	0.745026534	0.999371363	Not Sig
ENSG00000160062	ZBTB8A	zinc finger and BTB domain containing 8A	653121	159.5870811	-0.136999052	0.573336589	-0.238950477	0.811143984	0.999371363	Not Sig
ENSG00000171530	TBCA	tubulin folding cofactor A	6902	658.3927806	-0.136945602	0.500521839	-0.273605648	0.784387693	0.999371363	Not Sig
ENSG00000186469	GNG2	G protein subunit gamma 2	54331	512.1416439	-0.136913076	0.701213662	-0.19525158	0.845196001	0.999371363	Not Sig
ENSG00000155640	NA	NA	NA	656.401242	-0.136892348	0.467469284	-0.292837098	0.769646671	0.999371363	Not Sig
ENSG00000229473	NA	NA	NA	46.50443322	-0.136843269	0.697498818	-0.1961914	0.844460359	0.999371363	Not Sig
ENSG00000204524	ZNF805	zinc finger protein 805	390980	395.4412727	-0.136787153	0.435823675	-0.313858933	0.753628182	0.999371363	Not Sig
ENSG00000237886	NA	NA	NA	16.73578299	-0.136782625	0.961558664	-0.142250942	0.886881795	0.999371363	Not Sig
ENSG00000101782	RIOK3	RIO kinase 3	8780	1537.578797	-0.136644072	0.484888729	-0.281805007	0.778093031	0.999371363	Not Sig
ENSG00000075856	SART3	squamous cell carcinoma antigen recognized by T-cells 3	9733	1206.666571	-0.136545319	0.379923749	-0.359401904	0.71929445	0.999371363	Not Sig
ENSG00000267667	NA	NA	NA	12.00318018	-0.136522833	1.304723054	-0.104637404	0.916663533	0.999371363	Not Sig
ENSG00000173320	STOX2	storkhead box 2	56977	610.908771	-0.136349657	0.530090121	-0.257219767	0.797009125	0.999371363	Not Sig

ENSG00000100150	DEPDC5	DEP domain containing 5	9681	607.8935188	-0.135936877	0.484464029	-0.280592301	0.779023122	0.999371363	Not Sig
ENSG00000034533	ASTE1	asteroid homolog 1	28990	168.3960289	-0.135882135	0.532072477	-0.255382755	0.798427489	0.999371363	Not Sig
ENSG00000200354	SNORA71D	small nucleolar RNA, H/ACA box 71D	677840	8.365144036	-0.135856938	0.997121731	-0.136249099	0.891624362	0.999371363	Not Sig
ENSG00000155636	RBM45	RNA binding motif protein 45	129831	210.8879253	-0.135809896	0.471825325	-0.287839353	0.773469712	0.999371363	Not Sig
ENSG00000178904	DPY19L3	dpy-19 like C-mannosyltransferase 3	147991	859.0375536	-0.135790007	0.588809945	-0.230617721	0.8176118	0.999371363	Not Sig
ENSG00000183323	CCDC125	coiled-coil domain containing 125	202243	634.5957466	-0.135683438	0.609525424	-0.22260505	0.823842905	0.999371363	Not Sig
ENSG00000267127	NA	NA	NA	12.06697059	-0.135671476	0.992430607	-0.136706259	0.891262982	0.999371363	Not Sig
ENSG00000112159	MDN1	midasin AAA ATPase 1	23195	4877.18857	-0.135668744	0.549968962	-0.246684365	0.805152508	0.999371363	Not Sig
ENSG00000113141	IK	IK cytokine	3550	1607.131876	-0.135641804	0.488199027	-0.2778412	0.781134263	0.999371363	Not Sig
ENSG00000181350	LRRC75A	leucine rich repeat containing 75A	388341	121.0129696	-0.135626577	0.662696106	-0.20465878	0.837838727	0.999371363	Not Sig
ENSG00000213719	CLIC1	chloride intracellular channel 1	1192	3809.110782	-0.135616972	0.439037658	-0.308895991	0.757400647	0.999371363	Not Sig
ENSG00000104823	ECH1	enoyl-CoA hydratase 1	1891	840.8008465	-0.135570689	0.520211678	-0.260606777	0.794395763	0.999371363	Not Sig
ENSG00000266118	NA	NA	NA	2.224752673	-0.135507848	1.547017995	-0.087592936	0.930200217	NA	NA
ENSG00000086619	ERO1B	endoplasmic reticulum oxidoreductase 1 beta	56605	444.4709944	-0.13540012	0.58017028	-0.233379966	0.815466369	0.999371363	Not Sig
ENSG00000121897	LIAS	lipoic acid synthetase	11019	160.9429282	-0.135396762	0.48507673	-0.279124421	0.780149342	0.999371363	Not Sig
ENSG00000101654	RNMT	RNA guanine-7 methyltransferase	8731	1231.915422	-0.135318575	0.440714092	-0.307043905	0.758809954	0.999371363	Not Sig
ENSG00000115956	PLEK	pleckstrin	5341	1081.672656	-0.135285788	0.784711331	-0.17240198	0.863121515	0.999371363	Not Sig
ENSG00000151239	TWF1	twinfilin actin binding protein 1	5756	1229.250365	-0.135266119	0.713292979	-0.189636128	0.849594275	0.999371363	Not Sig
ENSG00000155090	KLF10	Kruppel like factor 10	7071	1752.707752	-0.135206897	0.522756235	-0.258642342	0.79591121	0.999371363	Not Sig
ENSG00000130159	ECSIT	ECSIT signalling integrator	51295	328.8462443	-0.135098789	0.674098482	-0.200414023	0.841156793	0.999371363	Not Sig
ENSG00000235613	NA	NA	NA	41.54151747	-0.135001647	0.760035577	-0.177625431	0.859017151	0.999371363	Not Sig
ENSG00000158417	EIF5B	eukaryotic translation initiation factor 5B	9669	2200.510898	-0.134998781	0.424793045	-0.317798943	0.750637453	0.999371363	Not Sig
ENSG00000213972	NA	NA	NA	5.301966998	-0.134880379	1.236824244	-0.109053796	0.913159822	NA	NA
ENSG00000119335	SET	SET nuclear proto-oncogene	6418	5709.560768	-0.134638779	0.428230651	-0.314407152	0.753211825	0.999371363	Not Sig
ENSG00000114416	FXR1	FMR1 autosomal homolog 1	8087	2104.888027	-0.134522479	0.408318989	-0.329454379	0.741812271	0.999371363	Not Sig
ENSG00000259628	NA	NA	NA	7.52357571	-0.134485804	0.987413046	-0.136200149	0.891663057	0.999371363	Not Sig
ENSG00000200488	NA	NA	NA	299.5294672	-0.134430153	0.554195659	-0.242568037	0.808340045	0.999371363	Not Sig
ENSG00000147437	GNRH1	gonadotropin releasing hormone 1	2796	31.38714517	-0.134401943	0.617062064	-0.217809441	0.827577588	0.999371363	Not Sig
ENSG00000250802	NA	NA	NA	106.5911094	-0.134342721	0.536635215	-0.250342724	0.802322319	0.999371363	Not Sig
ENSG00000089289	IGBP1	immunoglobulin binding protein 1	3476	701.4226528	-0.134254245	0.443424662	-0.302766754	0.762067622	0.999371363	Not Sig
ENSG00000244274	DBNDD2	dysbindin domain containing 2	55861	48.08300135	-0.134001959	0.832855194	-0.160894667	0.872176363	0.999371363	Not Sig
ENSG00000107560	RAB11FIP2	RAB11 family interacting protein 2	22841	756.8872878	-0.133837159	0.476384649	-0.280943476	0.778753754	0.999371363	Not Sig
ENSG00000273343	NA	NA	NA	11.79542655	-0.133807791	0.974535687	-0.137304146	0.890790393	0.999371363	Not Sig
ENSG00000272582	NA	NA	NA	4.004341111	-0.133690736	1.612370847	-0.082915625	0.93391863	NA	NA
ENSG00000253020	NA	NA	NA	3.379617922	-0.133562977	1.306663125	-0.102216841	0.918584561	NA	NA

ENSG00000231150	NA	NA	NA	1.681863069	-0.133509899	1.982654753	-0.067338955	0.946311866	NA	NA
ENSG00000104164	BLOC1S6	biogenesis of lysosomal organelles complex 1 subunit 6	26258	1023.733031	-0.133500798	0.555012068	-0.240536747	0.809914179	0.999371363	Not Sig
ENSG00000119402	FBXW2	F-box and WD repeat domain containing 2	26190	2172.886792	-0.133491382	0.405328885	-0.329340904	0.74189803	0.999371363	Not Sig
ENSG00000099204	ABLIM1	actin binding LIM protein 1	3983	3826.484441	-0.133389468	0.508423143	-0.262359159	0.793044556	0.999371363	Not Sig
ENSG00000241030	NA	NA	NA	10.70892181	-0.133186413	0.85284102	-0.156167925	0.875900658	0.999371363	Not Sig
ENSG00000198546	ZNF511	zinc finger protein 511	118472	344.5830389	-0.133149251	0.529432253	-0.251494409	0.801431884	0.999371363	Not Sig
ENSG00000162368	CMPK1	cytidine/uridine monophosphate kinase 1	51727	3187.555941	-0.133071619	0.515582346	-0.258099642	0.796330008	0.999371363	Not Sig
ENSG00000118777	ABCG2	ATP binding cassette subfamily G member 2 (Junior blood group)	9429	166.0671024	-0.132913356	0.875411083	-0.151829648	0.879321298	0.999371363	Not Sig
ENSG00000021574	SPAST	spastin	6683	648.5756435	-0.132821684	0.527284398	-0.251897618	0.801120201	0.999371363	Not Sig
ENSG00000138593	SECISBP2L	SECIS binding protein 2 like	9728	2990.887617	-0.132735339	0.405110063	-0.327652534	0.743174396	0.999371363	Not Sig
ENSG00000161860	SYCE2	synaptonemal complex central element protein 2	256126	4.39000108	-0.132527735	1.177253583	-0.112573652	0.910368575	NA	NA
ENSG00000092470	WDR76	WD repeat domain 76	79968	234.6269005	-0.132513965	0.784231059	-0.168973116	0.865817788	0.999371363	Not Sig
ENSG00000153250	RBMS1	RNA binding motif single stranded interacting protein 1	5937	2311.199866	-0.132472816	0.46429375	-0.285321127	0.775398129	0.999371363	Not Sig
ENSG00000111481	COPZ1	coatamer protein complex subunit zeta 1	22818	1644.816621	-0.132439267	0.444639846	-0.297857397	0.765812005	0.999371363	Not Sig
ENSG00000128340	RAC2	Rac family small GTPase 2	5880	594.1390526	-0.132247968	0.82174168	-0.160936181	0.872143666	0.999371363	Not Sig
ENSG00000124444	ZNF576	zinc finger protein 576	79177	141.6465436	-0.132090914	0.508836866	-0.259593835	0.795177092	0.999371363	Not Sig
ENSG00000108021	FAM208B	family with sequence similarity 208 member B	54906	2613.278092	-0.13200239	0.473050941	-0.279044768	0.780210469	0.999371363	Not Sig
ENSG00000229091	NA	NA	NA	4.345076767	-0.131852011	1.471086335	-0.089629009	0.928582031	NA	NA
ENSG00000250101	NA	NA	NA	1.908178746	-0.131689491	1.634094009	-0.080588687	0.935769063	NA	NA
ENSG00000253459	NA	NA	NA	10.86785082	-0.131557859	0.844402905	-0.155799866	0.876190777	0.999371363	Not Sig
ENSG00000237628	NA	NA	NA	11.3699956	-0.131466412	1.533522297	-0.0857284	0.931682326	0.999371363	Not Sig
ENSG00000224861	NA	NA	NA	10.61235328	-0.131459262	0.841119133	-0.156290896	0.875803732	0.999371363	Not Sig
ENSG00000120697	ALG5	ALG5, dolichyl-phosphate beta-glucosyltransferase	29880	510.1176621	-0.131162925	0.572265861	-0.229199283	0.81871403	0.999371363	Not Sig
ENSG00000137500	CCDC90B	coiled-coil domain containing 90B	60492	466.9998908	-0.131120954	0.449131754	-0.291943184	0.770330065	0.999371363	Not Sig
ENSG00000163913	IFT122	intraflagellar transport 122	55764	655.4665842	-0.131069061	0.498567405	-0.262891355	0.792634319	0.999371363	Not Sig
ENSG00000089472	HEPH	hephaestin	9843	429.7280497	-0.130946044	0.491633131	-0.266349105	0.789970358	0.999371363	Not Sig
ENSG00000111276	CDKN1B	cyclin dependent kinase inhibitor 1B	1027	1717.532776	-0.130942441	0.53335537	-0.245506932	0.806063941	0.999371363	Not Sig
ENSG00000175567	UCP2	uncoupling protein 2	7351	1705.969194	-0.130823702	0.581665226	-0.224912365	0.82204745	0.999371363	Not Sig
ENSG00000164463	CREBRF	CREB3 regulatory factor	153222	1730.256494	-0.130822505	0.472546458	-0.276845807	0.781898507	0.999371363	Not Sig
ENSG00000112964	GHR	growth hormone receptor	2690	135.8914089	-0.130819826	0.75494629	-0.173283619	0.862428499	0.999371363	Not Sig
ENSG00000250722	SELENOP	selenoprotein P	6414	5161.382964	-0.130759691	0.666401057	-0.196217713	0.844439765	0.999371363	Not Sig
ENSG00000005955	NA	NA	NA	1517.740171	-0.130659538	0.455526523	-0.286831899	0.774241037	0.999371363	Not Sig
ENSG00000073605	GSDMB	gasdermin B	55876	521.2357512	-0.130511339	0.559312389	-0.233342478	0.815495476	0.999371363	Not Sig
ENSG00000166272	WBP1L	WW domain binding protein 1 like	54838	1599.373693	-0.130361222	0.473073741	-0.27556216	0.782884377	0.999371363	Not Sig
ENSG00000151148	UBE3B	ubiquitin protein ligase E3B	89910	1570.298745	-0.130317597	0.3971393	-0.328140774	0.742805226	0.999371363	Not Sig

ENSG00000152240	HAUS1	HAUS augmin like complex subunit 1	115106	164.6940476	-0.130219597	0.510213071	-0.255225914	0.798548617	0.999371363	Not Sig
ENSG00000166716	ZNF592	zinc finger protein 592	9640	1900.30629	-0.130121682	0.479177597	-0.271552098	0.785966436	0.999371363	Not Sig
ENSG00000087470	DNM1L	dynamins 1 like	10059	1115.450469	-0.130091376	0.546999927	-0.237827044	0.812015242	0.999371363	Not Sig
ENSG00000258057	BCDIN3D-AS1	BCDIN3D antisense RNA 1	100286844	9.611850563	-0.129759619	1.000265459	-0.129725183	0.896783858	0.999371363	Not Sig
ENSG00000226982	NA	NA	NA	1.010383157	-0.129759376	2.309179526	-0.056192849	0.955188178	NA	NA
ENSG00000136819	C9orf78	chromosome 9 open reading frame 78	51759	730.5931857	-0.129754351	0.46010805	-0.282008434	0.777937043	0.999371363	Not Sig
ENSG00000175105	ZNF654	zinc finger protein 654	55279	549.3638408	-0.129732012	0.67266844	-0.192861749	0.847067242	0.999371363	Not Sig
ENSG00000251868	NA	NA	NA	7.342029627	-0.129646651	1.266910151	-0.102332948	0.918492404	0.999371363	Not Sig
ENSG00000146457	WTAP	WT1 associated protein	9589	1968.898044	-0.129621842	0.440052721	-0.294559802	0.768330174	0.999371363	Not Sig
ENSG00000214922	HLA-F-AS1	HLA-F antisense RNA 1	285830	69.67795447	-0.129491543	0.684179739	-0.189265386	0.849884823	0.999371363	Not Sig
ENSG00000170275	CRTAP	cartilage associated protein	10491	2547.787996	-0.129485847	0.527056769	-0.245677229	0.805932101	0.999371363	Not Sig
ENSG00000166479	TMX3	thioredoxin related transmembrane protein 3	54495	1273.689389	-0.129415612	0.635271622	-0.203716973	0.838574678	0.999371363	Not Sig
ENSG00000234322	NA	NA	NA	1.620786683	-0.129328444	1.761206425	-0.073431735	0.941462565	NA	NA
ENSG00000169609	C15orf40	chromosome 15 open reading frame 40	123207	219.4475149	-0.129320105	0.454520301	-0.284519976	0.776011928	0.999371363	Not Sig
ENSG00000236144	TMEM147-AS1	TMEM147 antisense RNA 1	100506469	176.5980616	-0.129256676	0.518137599	-0.249463996	0.803001888	0.999371363	Not Sig
ENSG00000134758	RNF138	ring finger protein 138	51444	474.0030524	-0.129110448	0.534872006	-0.241385689	0.809256203	0.999371363	Not Sig
ENSG00000258748	NA	NA	NA	3.368591553	-0.129093401	1.816770971	-0.071056508	0.943352782	NA	NA
ENSG00000134900	TPP2	tripeptidyl peptidase 2	7174	1843.61087	-0.128888749	0.525156877	-0.245429042	0.806124244	0.999371363	Not Sig
ENSG00000101290	CDS2	CDP-diaclyglycerol synthase 2	8760	2293.178214	-0.12884757	0.524170984	-0.245812099	0.805827691	0.999371363	Not Sig
ENSG00000139354	GAS2L3	growth arrest specific 2 like 3	283431	255.8864476	-0.128830944	0.613149755	-0.210113343	0.833579212	0.999371363	Not Sig
ENSG00000011332	DPF1	double PHD fingers 1	8193	7.125660631	-0.128816236	1.524348416	-0.08450577	0.932654316	0.999371363	Not Sig
ENSG00000099800	TIMM13	translocase of inner mitochondrial membrane 13	26517	425.4733923	-0.128741361	0.56769043	-0.226780925	0.820594097	0.999371363	Not Sig
ENSG00000137504	CREBZF	CREB/ATF bZIP transcription factor	58487	2151.742936	-0.12868844	0.412535709	-0.311944972	0.755082344	0.999371363	Not Sig
ENSG00000075290	WNT8B	Wnt family member 8B	7479	2.78536647	-0.128601583	1.637248848	-0.078547365	0.937392655	NA	NA
ENSG00000181215	C4orf50	chromosome 4 open reading frame 50	389197	8.17891984	-0.12859553	1.060819048	-0.12122287	0.90351451	0.999371363	Not Sig
ENSG00000268995	NA	NA	NA	18.82760203	-0.128326357	0.922632871	-0.139087129	0.889381299	0.999371363	Not Sig
ENSG00000148843	PDCD11	programmed cell death 11	22984	1270.995941	-0.128322392	0.409614606	-0.313275917	0.754071045	0.999371363	Not Sig
ENSG00000111361	EIF2B1	eukaryotic translation initiation factor 2B subunit alpha	1967	690.2084706	-0.128271517	0.406679579	-0.315411749	0.752449047	0.999371363	Not Sig
ENSG00000201861	NA	NA	NA	1.975692668	-0.1281075	1.685010796	-0.076027703	0.939397059	NA	NA
ENSG00000198301	SDAD1	SDA1 domain containing 1	55153	913.305046	-0.128098244	0.417949981	-0.306491806	0.759230218	0.999371363	Not Sig
ENSG00000055208	TAB2	TGF-beta activated kinase 1/MAP3K7 binding protein 2	23118	2079.141356	-0.128077638	0.604824132	-0.211760132	0.832294173	0.999371363	Not Sig
ENSG00000169714	CNBP	CCNC-type zinc finger nucleic acid binding protein	7555	4441.378426	-0.128037319	0.421375172	-0.303855868	0.761237701	0.999371363	Not Sig
ENSG00000204619	PPP1R11	protein phosphatase 1 regulatory inhibitor subunit 11	6992	1362.555967	-0.128025402	0.421121021	-0.30401095	0.761119549	0.999371363	Not Sig
ENSG00000213486	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000215093	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA

ENSG00000228038	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000228548	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000231622	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000239510	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000250257	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000254756	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000256581	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000257023	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000272917	NA	NA	NA	0.610403525	-0.127922938	3.02229102	-0.042326479	0.966238437	NA	NA
ENSG00000133112	TPT1	tumor protein, translationally-controlled 1	7178	27377.05213	-0.127824058	0.493497696	-0.259016525	0.79562249	0.999371363	Not Sig
ENSG00000204560	DHX16	DEAH-box helicase 16	8449	1195.619999	-0.127750913	0.45255981	-0.282285149	0.777724872	0.999371363	Not Sig
ENSG00000172765	TMCC1	transmembrane and coiled-coil domain family 1	23023	1173.003219	-0.12773517	0.467490825	-0.273235673	0.784672059	0.999371363	Not Sig
ENSG00000141644	MBD1	methyl-CpG binding domain protein 1	4152	1373.547722	-0.127719077	0.451361446	-0.282964082	0.77720437	0.999371363	Not Sig
ENSG00000237136	C4orf51	chromosome 4 open reading frame 51	646603	1.781160559	-0.127704903	2.19295853	-0.058234071	0.953562182	NA	NA
ENSG00000256928	NA	NA	NA	1.781160559	-0.127704903	2.19295853	-0.058234071	0.953562182	NA	NA
ENSG00000134014	ELP3	elongator acetyltransferase complex subunit 3	55140	655.4034482	-0.127703236	0.530639033	-0.240659334	0.809819159	0.999371363	Not Sig
ENSG00000172530	BANP	BTG3 associated nuclear protein	54971	532.5152223	-0.127657002	0.484982538	-0.26321979	0.792381178	0.999371363	Not Sig
ENSG00000197536	C5orf56	chromosome 5 open reading frame 56	441108	524.0439081	-0.127535544	0.688491999	-0.185238963	0.85304161	0.999371363	Not Sig
ENSG00000117501	MROH9	maestro heat like repeat family member 9	80133	25.9163885	-0.127423403	1.186549399	-0.107389885	0.914479679	0.999371363	Not Sig
ENSG00000143977	SNRPG	small nuclear ribonucleoprotein polypeptide G	6637	437.2779492	-0.127292801	0.627399001	-0.202889709	0.839221238	0.999371363	Not Sig
ENSG00000255946	NA	NA	NA	1.220807051	-0.127143307	2.366202716	-0.053733058	0.957147845	NA	NA
ENSG00000267673	FDX1L	ferredoxin 1 like	112812	1.220807051	-0.127143307	2.366202716	-0.053733058	0.957147845	NA	NA
ENSG00000168538	TRAPPC11	trafficking protein particle complex 11	60684	1259.554961	-0.1270374	0.450955023	-0.281707473	0.778167824	0.999371363	Not Sig
ENSG00000143164	DCAF6	DDB1 and CUL4 associated factor 6	55827	1799.828218	-0.126973341	0.520328939	-0.244025138	0.807211351	0.999371363	Not Sig
ENSG00000099622	CIRBP	cold inducible RNA binding protein	1153	3947.009589	-0.126955177	0.635981048	-0.199621007	0.841776997	0.999371363	Not Sig
ENSG00000029993	HMGB3	high mobility group box 3	3149	1846.755131	-0.12671887	0.946105419	-0.133937369	0.893452101	0.999371363	Not Sig
ENSG00000026559	KCNQ1	potassium voltage-gated channel modifier subfamily G member 1	3755	5.430291632	-0.126204056	1.155148921	-0.109253494	0.913001432	NA	NA
ENSG00000120805	ARL1	ADP ribosylation factor like GTPase 1	400	1410.589195	-0.12610844	0.61138156	-0.206267981	0.836581589	0.999371363	Not Sig
ENSG00000100393	EP300	E1A binding protein p300	2033	5687.791727	-0.125934741	0.40339562	-0.312186684	0.754898651	0.999371363	Not Sig
ENSG00000225215	NA	NA	NA	27.73371603	-0.125860711	0.731487076	-0.172061428	0.863389236	0.999371363	Not Sig
ENSG00000007944	MYLIP	myosin regulatory light chain interacting protein	29116	1356.638645	-0.125851068	0.602354368	-0.208931943	0.834501368	0.999371363	Not Sig
ENSG00000112561	TFEB	transcription factor EB	7942	619.8563742	-0.125684451	0.739436407	-0.169973307	0.865031129	0.999371363	Not Sig
ENSG00000153767	GTF2E1	general transcription factor IIE subunit 1	2960	248.2106679	-0.125564199	0.449588079	-0.279287208	0.780024422	0.999371363	Not Sig
ENSG00000132604	TERF2	telomeric repeat binding factor 2	7014	762.7794179	-0.125515482	0.431170624	-0.291103975	0.7709718	0.999371363	Not Sig
ENSG00000139826	ABHD13	abhydrolase domain containing 13	84945	579.7509856	-0.125507867	0.551355337	-0.227635173	0.819929874	0.999371363	Not Sig

ENSG00000100368	CSF2RB	colony stimulating factor 2 receptor beta common subunit		1439	1056.369783	-0.125488224	0.854255684	-0.146897734	0.883212741	0.999371363	Not Sig
ENSG00000211768	NA	NA	NA		2.796520087	-0.125472134	1.696599329	-0.073955077	0.941046131	NA	NA
ENSG00000100207	TCF20	transcription factor 20		6942	2547.306352	-0.125353765	0.444034888	-0.282306118	0.777708795	0.999371363	Not Sig
ENSG00000131773	KHDRBS3	KH RNA binding domain containing, signal transduction associated 3		10656	194.0991039	-0.12513469	0.663395518	-0.188627578	0.850384717	0.999371363	Not Sig
ENSG00000078618	NRDC	nardilysin convertase		4898	3223.757444	-0.12493004	0.491688343	-0.254083794	0.799430823	0.999371363	Not Sig
ENSG00000235354	NA	NA	NA		9.855437048	-0.124858972	0.992429156	-0.125811471	0.899881162	0.999371363	Not Sig
ENSG00000132507	EIF5A	eukaryotic translation initiation factor 5A		1984	3878.869945	-0.124778447	0.39543489	-0.31554739	0.752346075	0.999371363	Not Sig
ENSG00000167526	RPL13	ribosomal protein L13		6137	13418.61673	-0.124730867	0.410207308	-0.304067882	0.761076176	0.999371363	Not Sig
ENSG00000111696	NT5DC3	5'-nucleotidase domain containing 3		51559	355.205451	-0.12471717	0.465169861	-0.268111029	0.788613857	0.999371363	Not Sig
ENSG00000106479	ZNF862	zinc finger protein 862		643641	686.7074321	-0.124623377	0.509827079	-0.244442443	0.806888174	0.999371363	Not Sig
ENSG00000100890	KIAA0391	KIAA0391		9692	16.01673453	-0.124589902	0.799260815	-0.155881409	0.8761265	0.999371363	Not Sig
ENSG00000205808	PLPP6	phospholipid phosphatase 6		403313	161.226805	-0.124578714	0.688995506	-0.180812084	0.856515078	0.999371363	Not Sig
ENSG00000116030	SUMO1	small ubiquitin-like modifier 1		7341	1335.198947	-0.124521962	0.444297213	-0.28026726	0.779272467	0.999371363	Not Sig
ENSG00000113716	HMGXB3	HMG-box containing 3		22993	1496.20307	-0.12445768	0.487472569	-0.255312172	0.798482	0.999371363	Not Sig
ENSG00000107960	STN1	STN1, CST complex subunit		79991	586.8070244	-0.124286971	0.489731969	-0.253785702	0.79966112	0.999371363	Not Sig
ENSG00000088876	ZNF343	zinc finger protein 343		79175	209.3017795	-0.124199705	0.46182861	-0.268930296	0.787983323	0.999371363	Not Sig
ENSG00000164934	DCAF13	DDB1 and CUL4 associated factor 13		25879	605.4554514	-0.124177086	0.605667791	-0.205025078	0.837552532	0.999371363	Not Sig
ENSG00000218014	NA	NA	NA		0.981201295	-0.124070245	2.609355855	-0.047548227	0.962076294	NA	NA
ENSG00000173660	UQCRH	ubiquinol-cytochrome c reductase hinge protein		7388	688.3320614	-0.124018011	0.530921304	-0.233590196	0.81530314	0.999371363	Not Sig
ENSG00000238349	NA	NA	NA		2.739877816	-0.123881591	1.970448861	-0.062869731	0.949870238	NA	NA
ENSG00000146243	IRAK1BP1	interleukin 1 receptor associated kinase 1 binding protein 1		134728	215.3939789	-0.123822519	0.531155295	-0.23311924	0.815668815	0.999371363	Not Sig
ENSG00000201901	NA	NA	NA		46.11370119	-0.123627745	0.56409437	-0.219161458	0.826524278	0.999371363	Not Sig
ENSG00000204231	RXRβ	retinoid X receptor beta		6257	1328.898491	-0.123615459	0.455640114	-0.271300651	0.786159806	0.999371363	Not Sig
ENSG00000101161	PRPF6	pre-mRNA processing factor 6		24148	2412.713609	-0.123497486	0.458571739	-0.269308976	0.787691925	0.999371363	Not Sig
ENSG00000117597	DIEXF	digestive organ expansion factor homolog (zebrafish)		27042	833.607812	-0.123327274	0.547948416	-0.225070957	0.821924074	0.999371363	Not Sig
ENSG00000259062	ACTN1-AS1	ACTN1 antisense RNA 1		161159	6.485273374	-0.12329472	1.213576577	-0.10159616	0.919077228	NA	NA
ENSG00000207940	MIR567	microRNA 567		693152	3.10624147	-0.123074072	1.438796395	-0.085539603	0.931832412	NA	NA
ENSG00000168556	ING2	inhibitor of growth family member 2		3622	173.6639728	-0.123058823	0.475103139	-0.259014965	0.795623694	0.999371363	Not Sig
ENSG00000232466	NA	NA	NA		15.52059627	-0.122936582	0.770135921	-0.15962972	0.873172766	0.999371363	Not Sig
ENSG00000114388	NPRL2	NPRL2 like, GATOR1 complex subunit		10641	296.8082825	-0.122848614	0.446538934	-0.275112883	0.783229514	0.999371363	Not Sig
ENSG00000231856	NA	NA	NA		31.03047908	-0.122842682	0.818127029	-0.15015111	0.880645397	0.999371363	Not Sig
ENSG00000118292	C1orf54	chromosome 1 open reading frame 54		79630	99.25765555	-0.122663354	0.740527761	-0.165643154	0.868437785	0.999371363	Not Sig
ENSG00000139726	DENR	density regulated re-initiation and release factor		8562	867.0666808	-0.122524358	0.592474927	-0.206800916	0.836165341	0.999371363	Not Sig
ENSG00000115183	TANC1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1		85461	3150.192268	-0.122445268	0.553628418	-0.221168683	0.824961092	0.999371363	Not Sig
ENSG00000150753	CCT5	chaperonin containing TCP1 subunit 5		22948	2506.469593	-0.122337438	0.424423138	-0.288244036	0.773159943	0.999371363	Not Sig

ENSG00000170340	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	10678	836.9441498	-0.122202162	0.57156496	-0.213802754	0.830700877	0.999371363	Not Sig
ENSG00000198814	GK	glycerol kinase	2710	1015.865484	-0.122199757	0.715135103	-0.170876463	0.864320904	0.999371363	Not Sig
ENSG00000143815	LBR	lamin B receptor	3930	1417.216433	-0.122176904	0.513267697	-0.238037391	0.811852093	0.999371363	Not Sig
ENSG00000113812	ACTR8	ARP8 actin related protein 8 homolog	93973	546.3959013	-0.122120182	0.461357769	-0.264697357	0.791242614	0.999371363	Not Sig
ENSG00000201121	NA	NA	NA	4.784827536	-0.121963948	1.262285907	-0.096621492	0.923026988	NA	NA
ENSG00000054654	SYNE2	spectrin repeat containing nuclear envelope protein 2	23224	13612.74075	-0.121857178	0.47291924	-0.257670163	0.796661475	0.999371363	Not Sig
ENSG00000157450	RNF111	ring finger protein 111	54778	1187.804271	-0.121635755	0.452783963	-0.268639717	0.788206946	0.999371363	Not Sig
ENSG00000205302	SNX2	sorting nexin 2	6643	1176.355671	-0.121613371	0.566840004	-0.214546203	0.830121141	0.999371363	Not Sig
ENSG00000103066	PLA2G15	phospholipase A2 group XV	23659	570.966277	-0.121448155	0.742972073	-0.163462612	0.870154209	0.999371363	Not Sig
ENSG00000221157	NA	NA	NA	4.749208138	-0.121430719	1.335353035	-0.090935293	0.927544007	NA	NA
ENSG00000218891	ZNF579	zinc finger protein 579	163033	434.7281768	-0.121327228	0.571194849	-0.212409527	0.831787554	0.999371363	Not Sig
ENSG00000163104	SMARCAD1	<small>SMARCAD1 related, matrix-associated actin-dependent regulator of chromatin, subfamily 1, containing RHD-1 box 1</small>	56916	1054.855844	-0.121224666	0.602866782	-0.201080344	0.840635751	0.999371363	Not Sig
ENSG00000154845	PPP4R1	protein phosphatase 4 regulatory subunit 1	9989	3636.792425	-0.121078504	0.472992512	-0.255983976	0.79796321	0.999371363	Not Sig
ENSG00000124496	TRERF1	transcriptional regulating factor 1	55809	504.8523267	-0.121052807	0.473782368	-0.255502981	0.798334642	0.999371363	Not Sig
ENSG00000166886	NAB2	NGFI-A binding protein 2	4665	768.8854815	-0.121041402	0.617798803	-0.195923659	0.844669919	0.999371363	Not Sig
ENSG00000180263	FGD6	FYVE, RhoGEF and PH domain containing 6	55785	3125.840217	-0.120893472	0.784839602	-0.154035897	0.877581432	0.999371363	Not Sig
ENSG00000186566	GPATCH8	G-patch domain containing 8	23131	2009.430895	-0.120842368	0.439372473	-0.275033999	0.783290118	0.999371363	Not Sig
ENSG00000103061	SLC7A6OS	<small>solute carrier family 7 member 6 opposite strand</small>	84138	527.4720908	-0.120733109	0.460028197	-0.262447192	0.792976693	0.999371363	Not Sig
ENSG00000184277	TM2D3	TM2 domain containing 3	80213	575.6697573	-0.120731423	0.406948993	-0.296674583	0.766714964	0.999371363	Not Sig
ENSG00000222162	NA	NA	NA	12.2491318	-0.120724623	0.856513095	-0.140948952	0.88791027	0.999371363	Not Sig
ENSG00000196954	CASP4	caspase 4	837	1471.172098	-0.120595208	0.489482083	-0.246373079	0.805393444	0.999371363	Not Sig
ENSG00000157764	BRAF	B-Raf proto-oncogene, serine/threonine kinase	673	1907.969957	-0.120590708	0.486530276	-0.24785859	0.804243821	0.999371363	Not Sig
ENSG00000162398	LEXM	lymphocyte expansion molecule	163747	8.660983528	-0.120568033	1.173582782	-0.102735005	0.918173291	0.999371363	Not Sig
ENSG00000110955	ATP5B	<small>ATP synthase, B₀ transporting, mitochondrial F1 complex, beta polypeptide</small>	506	4645.945305	-0.120506576	0.425223078	-0.283396133	0.776873192	0.999371363	Not Sig
ENSG00000228570	NA	NA	NA	14.62128861	-0.120482352	0.900606559	-0.133779119	0.893577239	0.999371363	Not Sig
ENSG00000229808	NA	NA	NA	50.3637611	-0.120377897	0.549475677	-0.219077753	0.82658948	0.999371363	Not Sig
ENSG00000023318	ERP44	endoplasmic reticulum protein 44	23071	1232.593383	-0.120362772	0.472412219	-0.254783359	0.798890428	0.999371363	Not Sig
ENSG00000166439	RNF169	ring finger protein 169	254225	1489.041066	-0.120333266	0.40229248	-0.299118856	0.764849359	0.999371363	Not Sig
ENSG00000100225	FBX07	F-box protein 7	25793	2024.639698	-0.12026022	0.448987587	-0.267847538	0.788816677	0.999371363	Not Sig
ENSG00000009954	BAZ1B	bromodomain adjacent to zinc finger domain 1B	9031	3484.160574	-0.120191543	0.467344389	-0.257179814	0.797039967	0.999371363	Not Sig
ENSG00000177640	CASC2	cancer susceptibility 2 (non-protein coding)	255082	104.5232394	-0.120133054	0.608718415	-0.197354065	0.843550473	0.999371363	Not Sig
ENSG00000222276	NA	NA	NA	1.448694848	-0.120084633	2.359639993	-0.050891082	0.959412312	NA	NA
ENSG00000119787	ATL2	atlastin GTPase 2	64225	2040.971532	-0.119707948	0.718081261	-0.166705295	0.867601939	0.999371363	Not Sig
ENSG00000110958	PTGES3	prostaglandin E synthase 3	10728	3474.247823	-0.119628313	0.467546769	-0.255863842	0.798055975	0.999371363	Not Sig
ENSG00000165055	METTL2B	methyltransferase like 2B	55798	457.3255231	-0.119460708	0.477606866	-0.250123515	0.802491832	0.999371363	Not Sig

ENSG00000177112	MRVI1-AS1	MRVI1 antisense RNA 1	100129827	8.420464948	-0.119439451	1.267449656	-0.094236051	0.924921647	0.999371363	Not Sig
ENSG00000261270	NA	NA	NA	37.73877818	-0.119382798	0.816073891	-0.146289201	0.88369309	0.999371363	Not Sig
ENSG00000110315	RNF141	ring finger protein 141	50862	1235.756924	-0.119365487	0.555586817	-0.214845787	0.829887554	0.999371363	Not Sig
ENSG00000105993	DNAJB6	DnaJ heat shock protein family (Hsp40) member B6	10049	2917.188557	-0.119284424	0.546735626	-0.218175693	0.827292223	0.999371363	Not Sig
ENSG00000089009	RPL6	ribosomal protein L6	6128	7659.490892	-0.11901988	0.461403069	-0.257952077	0.796443893	0.999371363	Not Sig
ENSG00000166262	FAM227B	family with sequence similarity 227 member B	196951	76.59637109	-0.118974812	0.589207206	-0.201923552	0.839976489	0.999371363	Not Sig
ENSG00000235027	NA	NA	NA	14.7840711	-0.118924006	0.817451757	-0.145481376	0.884330819	0.999371363	Not Sig
ENSG00000261488	NA	NA	NA	115.780777	-0.118827236	0.706785297	-0.168123526	0.866486102	0.999371363	Not Sig
ENSG00000035681	NSMAF	neutral sphingomyelinase activation associated factor	8439	788.2757256	-0.118778648	0.444217934	-0.267388232	0.789170259	0.999371363	Not Sig
ENSG00000246250	NA	NA	NA	4.476135738	-0.118770577	1.462305864	-0.081221432	0.935265855	NA	NA
ENSG00000187735	TCEA1	transcription elongation factor A1	6917	2863.334071	-0.11873242	0.555836462	-0.213610347	0.83085093	0.999371363	Not Sig
ENSG00000163703	CRELD1	cysteine rich with EGF like domains 1	78987	916.776746	-0.118642526	0.478933075	-0.247722558	0.804349077	0.999371363	Not Sig
ENSG00000138777	PPA2	pyrophosphatase (inorganic) 2	27068	1023.616819	-0.118553796	0.550001534	-0.215551755	0.829337165	0.999371363	Not Sig
ENSG00000235978	NA	NA	NA	40.22881978	-0.118427903	0.668398411	-0.177181605	0.859365744	0.999371363	Not Sig
ENSG00000140521	POLG	DNA polymerase gamma, catalytic subunit	5428	1664.317806	-0.118358469	0.493806921	-0.239685723	0.810573904	0.999371363	Not Sig
ENSG00000231615	NA	NA	NA	12.93063705	-0.118311476	0.923168517	-0.128158049	0.898023899	0.999371363	Not Sig
ENSG00000198168	SVIP	small VCP interacting protein	258010	590.2167397	-0.11822024	0.588565756	-0.200861567	0.84080682	0.999371363	Not Sig
ENSG00000177302	TOP3A	DNA topoisomerase III alpha	7156	760.5528282	-0.118144113	0.47227078	-0.25016181	0.802462218	0.999371363	Not Sig
ENSG00000242259	C22orf39	chromosome 22 open reading frame 39	128977	389.482983	-0.118051216	0.494604089	-0.238678204	0.811355119	0.999371363	Not Sig
ENSG00000172336	POP7	POP7 homolog, ribonuclease P/MRP subunit	10248	227.8727833	-0.117984483	0.504542376	-0.233844546	0.815105665	0.999371363	Not Sig
ENSG00000111252	SH2B3	SH2B adaptor protein 3	10019	1472.425613	-0.117976309	0.691249411	-0.170671117	0.864482374	0.999371363	Not Sig
ENSG00000132640	BTBD3	BTB domain containing 3	22903	803.5303389	-0.117897211	0.451465898	-0.261143114	0.793982144	0.999371363	Not Sig
ENSG00000224543	NA	NA	NA	1.77170631	-0.117822659	2.194162029	-0.053698249	0.957175578	NA	NA
ENSG00000122574	WIPF3	WAS/WASL interacting protein family member 3	644150	92.1300426	-0.117817558	0.813513779	-0.144825523	0.88484863	0.999371363	Not Sig
ENSG00000100650	SRSF5	serine and arginine rich splicing factor 5	6430	4433.272873	-0.117795545	0.426494727	-0.27619461	0.782398597	0.999371363	Not Sig
ENSG00000249572	NA	NA	NA	25.07408474	-0.117758929	0.839350605	-0.140297663	0.88842481	0.999371363	Not Sig
ENSG00000242615	NA	NA	NA	17.50771403	-0.117710599	0.739692744	-0.159134451	0.873562946	0.999371363	Not Sig
ENSG00000170619	COMMD5	COMM domain containing 5	28991	299.4605687	-0.11767882	0.563329537	-0.208898722	0.834527302	0.999371363	Not Sig
ENSG00000160305	DIP2A	disco interacting protein 2 homolog A	23181	1798.406098	-0.117403049	0.44863143	-0.261691538	0.793559265	0.999371363	Not Sig
ENSG00000212588	SNORA26	small nucleolar RNA, H/ACA box 26	677810	8.876084456	-0.117340882	0.95968616	-0.122270057	0.902685145	0.999371363	Not Sig
ENSG00000270781	NA	NA	NA	1.598042356	-0.117326491	1.76181312	-0.066594175	0.946904783	NA	NA
ENSG00000156886	ITGAD	integrin subunit alpha D	3681	20.8632704	-0.117171086	0.959651862	-0.122097492	0.902821808	0.999371363	Not Sig
ENSG00000272056	NA	NA	NA	8.934653134	-0.116806509	0.884118621	-0.132116332	0.894892278	0.999371363	Not Sig
ENSG00000112210	RAB23	RAB23, member RAS oncogene family	51715	441.1433035	-0.116796839	0.422381441	-0.276519818	0.782148841	0.999371363	Not Sig
ENSG00000187607	ZNF286A	zinc finger protein 286A	57335	107.8689699	-0.116716677	0.597384268	-0.195379563	0.845095814	0.999371363	Not Sig

ENSG00000168298	HIST1H1E	histone cluster 1 H1 family member e	3008	3880.774124	-0.116672326	0.418940231	-0.278493966	0.780633196	0.999371363	Not Sig
ENSG00000037749	MFAP3	microfibril associated protein 3	4238	844.3046682	-0.116544725	0.483969252	-0.240810184	0.809702236	0.999371363	Not Sig
ENSG00000155974	GRIP1	glutamate receptor interacting protein 1	23426	86.69146863	-0.116424167	0.965566218	-0.120576056	0.904026835	0.999371363	Not Sig
ENSG00000055609	KMT2C	lysine methyltransferase 2C	58508	10430.12135	-0.116344771	0.540357525	-0.215310725	0.829525068	0.999371363	Not Sig
ENSG00000230735	NA	NA	NA	16.81556001	-0.116262757	1.021372395	-0.113829939	0.909372605	0.999371363	Not Sig
ENSG00000265341	NA	NA	NA	1.742524448	-0.116245978	1.926915915	-0.060327478	0.951894818	NA	NA
ENSG00000224387	NA	NA	NA	0.904233124	-0.116226045	2.646049849	-0.04392436	0.964964698	NA	NA
ENSG00000235310	NA	NA	NA	0.904233124	-0.116226045	2.646049849	-0.04392436	0.964964698	NA	NA
ENSG00000249193	NA	NA	NA	0.904233124	-0.116226045	2.646049849	-0.04392436	0.964964698	NA	NA
ENSG00000257454	NA	NA	NA	0.904233124	-0.116226045	2.646049849	-0.04392436	0.964964698	NA	NA
ENSG00000265638	NA	NA	NA	0.904233124	-0.116226045	2.646049849	-0.04392436	0.964964698	NA	NA
ENSG00000214562	NUTM2D	NUT family member 2D	728130	67.84736585	-0.116120296	0.721683544	-0.160901959	0.872170619	0.999371363	Not Sig
ENSG00000197321	SVIL	supervillin	6840	4164.855584	-0.115961353	0.516468628	-0.224527389	0.822346957	0.999371363	Not Sig
ENSG00000162337	LRP5	LDL receptor related protein 5	4041	4502.273291	-0.115959273	0.495602438	-0.233976397	0.815003302	0.999371363	Not Sig
ENSG00000139679	LPAR6	lysophosphatidic acid receptor 6	10161	495.9172561	-0.115950143	0.604634993	-0.191768827	0.84792329	0.999371363	Not Sig
ENSG00000141013	GAS8	growth arrest specific 8	2622	694.6201126	-0.115923431	0.508841625	-0.227818293	0.819787505	0.999371363	Not Sig
ENSG00000266978	NA	NA	NA	6.141521005	-0.115868463	1.120641859	-0.10339473	0.917649694	NA	NA
ENSG00000120279	MYCT1	MYC target 1	80177	284.4706882	-0.115481827	0.740766084	-0.155895133	0.876115682	0.999371363	Not Sig
ENSG00000227986	NA	NA	NA	51.7214103	-0.115330649	0.809183689	-0.142527155	0.886663632	0.999371363	Not Sig
ENSG00000135900	MRPL44	mitochondrial ribosomal protein L44	65080	351.8899093	-0.115281028	0.418545658	-0.275432383	0.782984067	0.999371363	Not Sig
ENSG00000230273	NA	NA	NA	0.693809231	-0.115279775	2.940923778	-0.039198491	0.968732136	NA	NA
ENSG00000239011	NA	NA	NA	0.693809231	-0.115279775	2.940923778	-0.039198491	0.968732136	NA	NA
ENSG00000270837	NA	NA	NA	0.693809231	-0.115279775	2.940923778	-0.039198491	0.968732136	NA	NA
ENSG00000124588	NQO2	N-ribosylidihydrocnicotinamide:quinone reductase 2	4835	333.3772665	-0.115115086	0.505147903	-0.227883923	0.819736482	0.999371363	Not Sig
ENSG00000119411	BSPRY	B-box and SPRY domain containing	54836	493.3892869	-0.115070454	0.596577327	-0.19288439	0.847049511	0.999371363	Not Sig
ENSG00000249006	NA	NA	NA	2.958311365	-0.115068869	1.949650648	-0.05902025	0.952935979	NA	NA
ENSG00000082701	GSK3B	glycogen synthase kinase 3 beta	2932	2340.822877	-0.114986967	0.44961817	-0.255743595	0.798148831	0.999371363	Not Sig
ENSG00000196455	PIK3R4	phosphoinositide-3-kinase regulatory subunit 4	30849	940.5818348	-0.114891743	0.456154543	-0.251870215	0.801141382	0.999371363	Not Sig
ENSG00000164830	OXR1	oxidation resistance 1	55074	1746.029465	-0.114828301	0.585306772	-0.196184816	0.844465512	0.999371363	Not Sig
ENSG00000149292	TTC12	tetratricopeptide repeat domain 12	54970	579.8168315	-0.114818683	0.440978363	-0.2603726	0.794576377	0.999371363	Not Sig
ENSG00000171155	C1GALT1C1	C1GALT1 specific chaperone 1	29071	435.7686109	-0.114662215	0.602588154	-0.190282889	0.849087461	0.999371363	Not Sig
ENSG00000249709	ZNF564	zinc finger protein 564	163050	41.10680426	-0.114562313	0.570400262	-0.200845478	0.840819401	0.999371363	Not Sig
ENSG00000163374	YY1AP1	YY1 associated protein 1	55249	1413.474392	-0.114401918	0.427258165	-0.267758295	0.788885375	0.999371363	Not Sig
ENSG00000159111	MRPL10	mitochondrial ribosomal protein L10	124995	374.8213742	-0.114263501	0.398654054	-0.2866232	0.774400849	0.999371363	Not Sig
ENSG00000112406	HECA	hdc homolog, cell cycle regulator	51696	1702.683121	-0.114163916	0.425154229	-0.268523534	0.788296362	0.999371363	Not Sig

ENSG00000228551	NA	NA	NA	4.699003403	-0.114051431	1.218549972	-0.093596023	0.925430069	NA	NA
ENSG00000183625	CCR3	C-C motif chemokine receptor 3	1232	18.40152435	-0.113894067	1.452917202	-0.078389922	0.93751789	0.999371363	Not Sig
ENSG00000163807	KIAA1143	KIAA1143	57456	882.3635232	-0.113886632	0.513084638	-0.22196461	0.824341433	0.999371363	Not Sig
ENSG00000156475	PPP2R2B	protein phosphatase 2 regulatory subunit Bbeta	5521	45.63345667	-0.113884746	0.788258519	-0.144476391	0.885124298	0.999371363	Not Sig
ENSG00000173039	RELA	RELA proto-oncogene, NF-kB subunit	5970	1816.139341	-0.113829027	0.449931745	-0.252991768	0.800274575	0.999371363	Not Sig
ENSG00000079785	DDX1	DEAD-box helicase 1	1653	1656.213052	-0.113822493	0.443855626	-0.256440351	0.797610833	0.999371363	Not Sig
ENSG00000131378	RFTN1	raftlin, lipid raft linker 1	23180	1716.091521	-0.113793794	0.644050664	-0.176684538	0.859756187	0.999371363	Not Sig
ENSG00000188266	HYKK	hydroxylysine kinase	123688	66.05842979	-0.113558674	0.655343291	-0.173281204	0.862430397	0.999371363	Not Sig
ENSG00000107186	MPDZ	multiple PDZ domain crumbs cell polarity complex component	8777	1179.424758	-0.113484697	0.586580745	-0.193468159	0.846592341	0.999371363	Not Sig
ENSG00000229727	LOC100506274	uncharacterized LOC100506274	100506274	1.891871955	-0.113389103	1.683798278	-0.067341263	0.946310028	NA	NA
ENSG00000226314	ZNF192P1	zinc finger protein 192 pseudogene 1	651302	32.79926487	-0.113356882	0.645492401	-0.175613038	0.860597959	0.999371363	Not Sig
ENSG00000090447	TFAP4	transcription factor AP-4	7023	325.1462065	-0.113225369	0.454016235	-0.249386167	0.803062084	0.999371363	Not Sig
ENSG00000153291	SLC25A27	solute carrier family 25 member 27	9481	229.6198272	-0.113187428	0.468022764	-0.241841716	0.808902813	0.999371363	Not Sig
ENSG00000011021	CLCN6	chloride voltage-gated channel 6	1185	967.7415487	-0.1131792	0.453201554	-0.249732594	0.80279415	0.999371363	Not Sig
ENSG00000152359	POC5	POC5 centriolar protein	134359	197.7655452	-0.113036889	0.556470577	-0.203131834	0.839031991	0.999371363	Not Sig
ENSG00000168038	ULK4	unc-51 like kinase 4	54986	387.7700662	-0.112939822	0.442828046	-0.255042161	0.798690536	0.999371363	Not Sig
ENSG00000183011	NAA38	N(alpha)-acetyltransferase 38, NatC auxiliary subunit	84316	604.4674537	-0.112861897	0.490900542	-0.229907867	0.818163363	0.999371363	Not Sig
ENSG00000151304	SRFBP1	serum response factor binding protein 1	153443	406.241911	-0.112847501	0.494956602	-0.227994737	0.819650332	0.999371363	Not Sig
ENSG00000117523	PRRC2C	proline rich coiled-coil 2C	23215	10940.27019	-0.112724785	0.587579201	-0.191846112	0.847862749	0.999371363	Not Sig
ENSG00000188459	NA	NA	NA	3.537700618	-0.112669775	1.635884309	-0.068873926	0.945089973	NA	NA
ENSG00000250461	NA	NA	NA	116.3084821	-0.112623055	0.795583325	-0.141560351	0.887427286	0.999371363	Not Sig
ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4	11006	486.9392707	-0.112610896	0.778363305	-0.144676522	0.884966277	0.999371363	Not Sig
ENSG00000231672	NA	NA	NA	43.89027179	-0.112543212	0.595232578	-0.189074348	0.850034546	0.999371363	Not Sig
ENSG00000101126	ADNP	activity dependent neuroprotector homeobox	23394	2912.540145	-0.112400068	0.476756312	-0.23576	0.813618909	0.999371363	Not Sig
ENSG00000249471	ZNF324B	zinc finger protein 324B	388569	168.7046372	-0.112363916	0.582484342	-0.192904612	0.847033673	0.999371363	Not Sig
ENSG00000166946	CCNDBP1	cyclin D1 binding protein 1	23582	959.3171607	-0.112222652	0.428188235	-0.262087191	0.793254222	0.999371363	Not Sig
ENSG00000177106	EPS8L2	EPS8 like 2	64787	2975.447458	-0.112062651	0.535895042	-0.209113057	0.834359982	0.999371363	Not Sig
ENSG00000007392	LUC7L	LUC7 like	55692	1331.429935	-0.111986975	0.441980773	-0.253375218	0.799978277	0.999371363	Not Sig
ENSG00000129465	RIPK3	receptor interacting serine/threonine kinase 3	11035	228.6134308	-0.111929523	0.59505398	-0.188099781	0.850798433	0.999371363	Not Sig
ENSG00000151458	ANKRD50	ankyrin repeat domain 50	57182	2060.745389	-0.1119203	0.470518077	-0.2378661	0.81198495	0.999371363	Not Sig
ENSG00000149554	CHEK1	checkpoint kinase 1	1111	178.479474	-0.111905038	0.979419171	-0.114256532	0.909034439	0.999371363	Not Sig
ENSG00000112855	HARS2	histidyl-tRNA synthetase 2, mitochondrial	23438	574.6770133	-0.111746417	0.480536491	-0.232545123	0.816114645	0.999371363	Not Sig
ENSG00000116497	S100BPB	S100P binding protein	64766	964.9572189	-0.111735997	0.554627545	-0.20146132	0.840337871	0.999371363	Not Sig
ENSG00000175741	NA	NA	NA	42.6674833	-0.111693785	0.647626935	-0.172466244	0.863070997	0.999371363	Not Sig
ENSG00000135912	TTL4	tubulin tyrosine ligase like 4	9654	671.5013041	-0.111619765	0.430132099	-0.259501127	0.795248613	0.999371363	Not Sig

ENSG00000225933	NA	NA	NA	3.202522247	-0.111504149	1.348743988	-0.082672583	0.934111886	NA	NA
ENSG00000166171	DPCD	deleted in primary ciliary dyskinesia homolog (mouse)	25911	143.4370172	-0.111466158	0.45826118	-0.243237182	0.807821665	0.999371363	Not Sig
ENSG00000164944	VIRMA	vir like m6A methyltransferase associated	25962	1713.37932	-0.111457693	0.463879488	-0.24027295	0.810118664	0.999371363	Not Sig
ENSG00000069667	RORA	RAR related orphan receptor A	6095	1674.189885	-0.111388776	0.703447386	-0.15834699	0.874183382	0.999371363	Not Sig
ENSG00000178691	SUZ12	SUZ12 polycomb repressive complex 2 subunit	23512	1214.830109	-0.111368761	0.652994259	-0.170550903	0.864576906	0.999371363	Not Sig
ENSG00000256436	TAS2R31	taste 2 receptor member 31	259290	82.41663852	-0.11136622	0.732434219	-0.15204945	0.879147934	0.999371363	Not Sig
ENSG00000230521	NA	NA	NA	86.11013335	-0.111205012	0.766042268	-0.145168245	0.884578037	0.999371363	Not Sig
ENSG00000144810	COL8A1	collagen type VIII alpha 1 chain	1295	3931.905681	-0.111166737	0.393950417	-0.282184592	0.777801973	0.999371363	Not Sig
ENSG00000260213	NA	NA	NA	1.959385876	-0.110845787	1.635178743	-0.067788177	0.945954255	NA	NA
ENSG00000200312	NA	NA	NA	287.036804	-0.110787667	0.525446753	-0.210844707	0.833008451	0.999371363	Not Sig
ENSG00000085871	MGST2	microsomal glutathione S-transferase 2	4258	394.5492248	-0.110665428	0.481318917	-0.22992121	0.818152994	0.999371363	Not Sig
ENSG00000185946	RNPC3	RNA binding region (RNPI, RRM) containing 3	55599	732.7333981	-0.110455396	0.473788629	-0.233132221	0.815658735	0.999371363	Not Sig
ENSG00000213963	LOC100130691	uncharacterized LOC100130691	100130691	87.65774419	-0.110349775	0.726496704	-0.151893016	0.879271317	0.999371363	Not Sig
ENSG00000175768	TOMM5	translocase of outer mitochondrial membrane 5	401505	38.09310241	-0.110317438	0.563214072	-0.195871239	0.844710949	0.999371363	Not Sig
ENSG00000239930	LOC101930094	uncharacterized LOC101930094	101930094	2.741620947	-0.110283203	1.937042948	-0.056933793	0.954597935	NA	NA
ENSG00000118454	ANKRD13C	ankyrin repeat domain 13C	81573	807.7446892	-0.110250236	0.486636535	-0.226555607	0.820769315	0.999371363	Not Sig
ENSG00000109390	NDUFC1	NADH:ubiquinone oxidoreductase subunit C1	4717	283.2020926	-0.110240359	0.451198357	-0.244327927	0.806976856	0.999371363	Not Sig
ENSG00000204947	ZNF425	zinc finger protein 425	155054	51.05940991	-0.110140731	0.651270526	-0.169116713	0.865704839	0.999371363	Not Sig
ENSG00000131381	RBSN	rabenosyn, RAB effector	64145	1257.612051	-0.110101351	0.415989097	-0.264673645	0.791260882	0.999371363	Not Sig
ENSG00000139908	TSSK4	testis specific serine kinase 4	283629	5.573434704	-0.110049922	1.220205305	-0.090189677	0.928136487	NA	NA
ENSG00000263069	LOC100294362	uncharacterized LOC100294362	100294362	70.43052153	-0.109906296	0.6989002	-0.157256066	0.875043044	0.999371363	Not Sig
ENSG00000154025	SLC5A10	solute carrier family 5 member 10	125206	0.98763883	-0.10965782	2.316183354	-0.047344188	0.962238911	NA	NA
ENSG00000201129	SNORA58B	small nucleolar RNA, H/ACA box 58B	109617023	0.98763883	-0.10965782	2.316183354	-0.047344188	0.962238911	NA	NA
ENSG00000187048	CYP4A11	cytochrome P450 family 4 subfamily A member 11	1579	1.198062724	-0.10955659	2.453011678	-0.044662074	0.964376664	NA	NA
ENSG00000205871	NA	NA	NA	9.679929785	-0.109544259	0.837010702	-0.130875577	0.895873735	0.999371363	Not Sig
ENSG00000183161	FANCF	Fanconi anemia complementation group F	2188	331.8871904	-0.109460481	0.474913339	-0.23048517	0.817714786	0.999371363	Not Sig
ENSG00000255343	NA	NA	NA	2.298289122	-0.109439045	1.582193932	-0.069169173	0.944854961	NA	NA
ENSG00000264916	NA	NA	NA	9.086298294	-0.109385679	1.116474163	-0.097974214	0.921952769	0.999371363	Not Sig
ENSG00000266934	NA	NA	NA	31.41007029	-0.109099617	0.840573359	-0.129791905	0.896731068	0.999371363	Not Sig
ENSG00000133704	IP08	importin 8	10526	1490.627743	-0.109085316	0.43650241	-0.249907707	0.802658723	0.999371363	Not Sig
ENSG00000113966	ARL6	ADP ribosylation factor like GTPase 6	84100	100.0283713	-0.109084414	0.51568629	-0.211532506	0.83247177	0.999371363	Not Sig
ENSG00000131653	TRAF7	TNF receptor associated factor 7	84231	1695.192837	-0.108957105	0.423245202	-0.257432581	0.796844854	0.999371363	Not Sig
ENSG00000115825	PRKD3	protein kinase D3	23683	1325.925357	-0.108897453	0.570136314	-0.191002485	0.848523646	0.999371363	Not Sig
ENSG00000101049	SGK2	SGK2, serine/threonine kinase 2	10110	85.78433895	-0.108833168	0.819385501	-0.132822912	0.894333434	0.999371363	Not Sig
ENSG00000123600	METTL8	methyltransferase like 8	79828	325.777688	-0.108790315	0.479008818	-0.227115474	0.820333952	0.999371363	Not Sig

ENSG00000109689	STIM2	stromal interaction molecule 2	57620	1065.421418	-0.108588735	0.481088436	-0.225714707	0.821423319	0.999371363	Not Sig
ENSG00000149273	RPS3	ribosomal protein S3	6188	8592.743182	-0.108504538	0.440745031	-0.246184371	0.805539514	0.999371363	Not Sig
ENSG00000131023	LATS1	large tumor suppressor kinase 1	9113	1763.146229	-0.108318105	0.514501092	-0.210530371	0.833253751	0.999371363	Not Sig
ENSG00000154059	IMPACT	impact RWD domain protein	55364	598.0129018	-0.108308281	0.515905285	-0.209938305	0.833715826	0.999371363	Not Sig
ENSG00000226435	ANKRD18DP	ankyrin repeat domain 18D, pseudogene	348840	2.253215476	-0.108210917	1.564504055	-0.069166275	0.944857268	NA	NA
ENSG00000075426	FOSL2	FOS like 2, AP-1 transcription factor subunit	2355	5748.642302	-0.108164207	0.486837732	-0.222177124	0.824176001	0.999371363	Not Sig
ENSG00000199218	NA	NA	NA	6.442607257	-0.10809987	1.399776367	-0.077226529	0.938443338	NA	NA
ENSG00000169122	FAM110B	family with sequence similarity 110 member B	90362	142.5770368	-0.107942478	0.833800783	-0.129458356	0.896994975	0.999371363	Not Sig
ENSG00000234287	NA	NA	NA	5.120388341	-0.107931753	1.426729316	-0.075649776	0.939697734	NA	NA
ENSG00000188529	SRSF10	serine and arginine rich splicing factor 10	10772	367.0720727	-0.107922228	0.660758032	-0.163330936	0.870257877	0.999371363	Not Sig
ENSG00000123739	PLA2G12A	phospholipase A2 group XIIA	81579	830.3166144	-0.107813663	0.520521842	-0.207126108	0.835911373	0.999371363	Not Sig
ENSG00000100823	APEX1	apurinic/apryrimidinic endodeoxyribonuclease 1	328	1266.08269	-0.107581872	0.472622117	-0.22762767	0.819935707	0.999371363	Not Sig
ENSG00000027001	MIPEP	mitochondrial intermediate peptidase	4285	350.1220461	-0.107556759	0.495434913	-0.217095639	0.828133813	0.999371363	Not Sig
ENSG00000167220	HDHD2	haloacid dehalogenase like hydrolase domain containing 2	84064	571.6223473	-0.107524908	0.484236162	-0.222050553	0.82427453	0.999371363	Not Sig
ENSG00000104432	IL7	interleukin 7	3574	137.891253	-0.107465912	0.661065952	-0.162564585	0.870861273	0.999371363	Not Sig
ENSG00000215788	TNFRSF25	TNF receptor superfamily member 25	8718	200.3241914	-0.107224994	0.474087248	-0.226171437	0.821068085	0.999371363	Not Sig
ENSG00000226942	NA	NA	NA	27.81756519	-0.107217033	0.717025393	-0.149530315	0.881135191	0.999371363	Not Sig
ENSG00000132694	ARHGEF11	Rho guanine nucleotide exchange factor 11	9826	2701.19205	-0.107156861	0.507936176	-0.210965207	0.832914421	0.999371363	Not Sig
ENSG00000183114	FAM43B	family with sequence similarity 43 member B	163933	10.91173573	-0.107076661	0.902570373	-0.11863525	0.905564337	0.999371363	Not Sig
ENSG00000125744	RTN2	reticulon 2	6253	160.6686531	-0.107075733	0.593260204	-0.180486964	0.856770287	0.999371363	Not Sig
ENSG00000261072	NA	NA	NA	34.25502602	-0.107039786	0.785152758	-0.136329886	0.891560499	0.999371363	Not Sig
ENSG00000166974	MAPRE2	microtubule associated protein RP/EB family member 2	10982	1097.821202	-0.106917172	0.596284384	-0.179305671	0.857697694	0.999371363	Not Sig
ENSG00000179978	NA	NA	NA	90.58222525	-0.106703872	0.524842669	-0.203306398	0.838895555	0.999371363	Not Sig
ENSG00000231113	NA	NA	NA	71.90364256	-0.106582314	0.488572574	-0.218150423	0.827311912	0.999371363	Not Sig
ENSG00000046889	PREX2	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 2	80243	1072.998902	-0.106568783	0.717642867	-0.148498352	0.881949486	0.999371363	Not Sig
ENSG00000164053	ATRIP	ATR interacting protein	84126	169.8457637	-0.106467162	0.487826331	-0.218248084	0.827235822	0.999371363	Not Sig
ENSG00000198920	KIAA0753	KIAA0753	9851	750.4296903	-0.106411534	0.558311635	-0.190595229	0.848842728	0.999371363	Not Sig
ENSG00000147874	HAUS6	HAUS augmin like complex subunit 6	54801	511.1204561	-0.106356965	0.512112962	-0.207682627	0.835476784	0.999371363	Not Sig
ENSG00000163930	BAP1	BRCA1 associated protein 1	8314	1447.427879	-0.106059556	0.464896605	-0.228135793	0.819540675	0.999371363	Not Sig
ENSG00000022840	RNF10	ring finger protein 10	9921	3250.621367	-0.106025268	0.432172873	-0.245330688	0.806200392	0.999371363	Not Sig
ENSG00000151576	QTRT2	queuine tRNA-ribosyltransferase accessory subunit 2	79691	543.2479287	-0.105969182	0.428499972	-0.247302659	0.804674001	0.999371363	Not Sig
ENSG00000174227	PIGG	phosphatidylinositol glycan anchor biosynthesis class G	54872	1303.172391	-0.105951343	0.400253196	-0.264710799	0.791232258	0.999371363	Not Sig
ENSG00000254887	LOC100505622	uncharacterized LOC100505622	100505622	3.324260012	-0.105879863	1.317386855	-0.080371124	0.935942092	NA	NA
ENSG00000188163	FAM166A	family with sequence similarity 166 member A	401565	5.189086566	-0.105816508	1.139935048	-0.092826787	0.92604117	NA	NA
ENSG00000176102	CSTF3	cleavage stimulation factor subunit 3	1479	571.9113948	-0.105811319	0.562627436	-0.188066405	0.850824596	0.999371363	Not Sig

ENSG00000186395	KRT10	keratin 10	3858	159.0601882	-0.105801545	0.66368337	-0.159415694	0.873341375	0.999371363	Not Sig
ENSG00000204344	STK19	serine/threonine kinase 19	8859	324.8024269	-0.105794267	0.530470203	-0.199434891	0.84192257	0.999371363	Not Sig
ENSG00000151694	ADAM17	ADAM metallopeptidase domain 17	6868	1537.551471	-0.105775811	0.560923254	-0.188574481	0.850426335	0.999371363	Not Sig
ENSG00000240849	TMEM189	transmembrane protein 189	387521	410.6619453	-0.105651445	0.573519443	-0.184215977	0.853844026	0.999371363	Not Sig
ENSG00000251795	NA	NA	NA	24.52561028	-0.105604255	0.681677122	-0.154918291	0.876885734	0.999371363	Not Sig
ENSG00000249002	NA	NA	NA	1.281468429	-0.105489163	2.129786146	-0.049530402	0.96049661	NA	NA
ENSG00000238227	TMEM250	transmembrane protein 250	90120	703.3434582	-0.105400059	0.559178037	-0.188491057	0.850491725	0.999371363	Not Sig
ENSG00000110274	CEP164	centrosomal protein 164	22897	945.299644	-0.105311176	0.540914087	-0.194691132	0.845634755	0.999371363	Not Sig
ENSG00000133030	MPRIP	myosin phosphatase Rho interacting protein	23164	9466.594932	-0.105309881	0.536416274	-0.196321189	0.844358778	0.999371363	Not Sig
ENSG00000154917	RAB6B	RAB6B, member RAS oncogene family	51560	187.4043999	-0.105027468	0.913974859	-0.114912863	0.90851419	0.999371363	Not Sig
ENSG00000214988	NA	NA	NA	4.211029232	-0.104814499	1.776339225	-0.059005902	0.952947407	NA	NA
ENSG00000226801	NA	NA	NA	15.70682171	-0.104677284	0.876672968	-0.119402888	0.904956174	0.999371363	Not Sig
ENSG00000122497	NA	NA	NA	804.5673934	-0.104665173	0.439196298	-0.23831069	0.811640131	0.999371363	Not Sig
ENSG00000230928	NA	NA	NA	13.71516979	-0.104603213	1.145156848	-0.091344005	0.927219253	0.999371363	Not Sig
ENSG00000010327	STAB1	stabilin 1	23166	3146.964958	-0.10451018	0.553579156	-0.188789947	0.850257451	0.999371363	Not Sig
ENSG00000100836	PABPN1	poly(A) binding protein nuclear 1	8106	1436.529973	-0.104372017	0.462026081	-0.225900704	0.82127865	0.999371363	Not Sig
ENSG00000103126	AXIN1	axin 1	8312	1206.957698	-0.104239043	0.552684602	-0.188604935	0.850402465	0.999371363	Not Sig
ENSG00000109920	FNBP4	formin binding protein 4	23360	2606.898438	-0.10418788	0.487192439	-0.213853647	0.830661189	0.999371363	Not Sig
ENSG00000104894	CD37	CD37 molecule	951	784.1667023	-0.104113913	0.900741757	-0.115586862	0.907979976	0.999371363	Not Sig
ENSG00000086589	RBM22	RNA binding motif protein 22	55696	823.2999584	-0.104073514	0.45800145	-0.227234029	0.820241769	0.999371363	Not Sig
ENSG00000015413	DPEP1	dipeptidase 1	1800	59.40014479	-0.104071442	1.116285293	-0.093230147	0.925720725	0.999371363	Not Sig
ENSG00000257218	GATC	glutamyl-tRNA amidotransferase subunit C	283459	270.4658271	-0.10403643	0.470556416	-0.221092363	0.825020516	0.999371363	Not Sig
ENSG00000140105	WARS	tryptophanyl-tRNA synthetase	7453	4191.950412	-0.103938722	0.836698354	-0.124224844	0.901137252	0.999371363	Not Sig
ENSG00000231925	TAPBP	TAP binding protein	6892	8943.396053	-0.10383257	0.591207665	-0.175627915	0.86058627	0.999371363	Not Sig
ENSG00000163239	TDRD10	tudor domain containing 10	126668	157.0478424	-0.103777262	0.927866708	-0.111845011	0.910946298	0.999371363	Not Sig
ENSG00000267361	NA	NA	NA	39.19548127	-0.103777082	0.700130252	-0.148225394	0.882164892	0.999371363	Not Sig
ENSG00000003393	ALS2	ALS2, alsin Rho guanine nucleotide exchange factor	57679	878.4156922	-0.103748541	0.381802323	-0.271733657	0.78582682	0.999371363	Not Sig
ENSG00000161681	SHANK1	SH3 and multiple ankyrin repeat domains 1	50944	27.14298104	-0.103600466	0.683648537	-0.151540536	0.879549337	0.999371363	Not Sig
ENSG00000074054	CLASP1	cytoplasmic linker associated protein 1	23332	2721.082559	-0.10355302	0.417979045	-0.247746918	0.804330228	0.999371363	Not Sig
ENSG00000257446	ZNF878	zinc finger protein 878	729747	5.435129858	-0.103546058	1.076391139	-0.096197427	0.923363774	NA	NA
ENSG00000111554	MDM1	Mdm1 nuclear protein	56890	235.8436687	-0.103467234	0.480927492	-0.215141026	0.829657369	0.999371363	Not Sig
ENSG00000108963	DPH1	diphthamide biosynthesis 1	1801	451.8979623	-0.103355093	0.422004048	-0.244914932	0.806522299	0.999371363	Not Sig
ENSG00000122299	ZC3H7A	zinc finger CCCH-type containing 7A	29066	1586.877277	-0.103338735	0.440538446	-0.234573704	0.814539622	0.999371363	Not Sig
ENSG00000181472	ZBTB2	zinc finger and BTB domain containing 2	57621	399.2295877	-0.103311172	0.416257484	-0.248190546	0.803986981	0.999371363	Not Sig
ENSG00000145425	RPS3A	ribosomal protein S3A	6189	9889.603668	-0.103278673	0.426876127	-0.241940616	0.808826177	0.999371363	Not Sig

ENSG00000197355	UAP1L1	UDP-N-acetylglucosamine pyrophosphorylase 1 like 1	91373	456.3950152	-0.103236359	0.68117679	-0.151555896	0.879537221	0.999371363	Not Sig
ENSG00000181004	BBS12	Bardet-Biedl syndrome 12	166379	87.16389988	-0.10313645	0.507870618	-0.20307623	0.839075451	0.999371363	Not Sig
ENSG00000267749	NA	NA	NA	10.95285679	-0.103038124	1.357140213	-0.075922976	0.939480377	0.999371363	Not Sig
ENSG00000165688	PMPCA	peptidase, mitochondrial processing alpha subunit	23203	720.5976904	-0.102998468	0.434798093	-0.23688804	0.812743649	0.999371363	Not Sig
ENSG00000272910	NA	NA	NA	4.182278949	-0.102906011	1.367370024	-0.075258349	0.94000916	NA	NA
ENSG00000255142	NA	NA	NA	32.78277728	-0.102722238	0.701596601	-0.146412109	0.883596069	0.999371363	Not Sig
ENSG00000066827	ZFAT	zinc finger and AT-hook domain containing	57623	526.355425	-0.102676494	0.449872845	-0.228234479	0.819463959	0.999371363	Not Sig
ENSG00000004700	RECQL	RecQ like helicase	5965	851.0434461	-0.102598382	0.502504914	-0.204173888	0.838217616	0.999371363	Not Sig
ENSG00000265967	NA	NA	NA	12.97625325	-0.102555976	0.881497721	-0.116342871	0.90738081	0.999371363	Not Sig
ENSG00000177082	WDR73	WD repeat domain 73	84942	602.2570612	-0.102505944	0.443497782	-0.23113068	0.817213281	0.999371363	Not Sig
ENSG00000115129	TP53I3	tumor protein p53 inducible protein 3	9540	456.6017966	-0.102493975	0.436638893	-0.234733957	0.81441523	0.999371363	Not Sig
ENSG00000230068	NA	NA	NA	42.82734538	-0.102315924	0.682004916	-0.150022267	0.880747048	0.999371363	Not Sig
ENSG00000145649	GZMA	granzyme A	3001	118.9448218	-0.102313668	0.891964031	-0.114706047	0.908678121	0.999371363	Not Sig
ENSG00000007168	PAFAH1B1	platelet activating factor acetylhydrolase 1b regulatory subunit 1	5048	3974.00121	-0.102200661	0.422364805	-0.241972484	0.808801484	0.999371363	Not Sig
ENSG00000263006	ROCK1P1	Rho associated coiled-coil containing protein kinase 1 pseudogene 1	727758	27.75525386	-0.101990478	0.741942233	-0.137464176	0.890663908	0.999371363	Not Sig
ENSG00000171428	NAT1	N-acetyltransferase 1	9	108.4987014	-0.101989736	0.491725934	-0.20741175	0.835688307	0.999371363	Not Sig
ENSG00000172466	ZNF24	zinc finger protein 24	7572	2708.554981	-0.101921726	0.470003422	-0.216853158	0.828322784	0.999371363	Not Sig
ENSG00000175792	RUVBL1	RuvB like AAA ATPase 1	8607	608.4539833	-0.101536755	0.398839755	-0.254580326	0.799047256	0.999371363	Not Sig
ENSG00000140988	RPS2	ribosomal protein S2	6187	10749.15304	-0.101386719	0.409507317	-0.247582192	0.804457691	0.999371363	Not Sig
ENSG00000198026	ZNF335	zinc finger protein 335	63925	811.2287663	-0.101385399	0.507537471	-0.199759436	0.841668728	0.999371363	Not Sig
ENSG00000198331	HYLS1	HYLS1, centriolar and ciliogenesis associated	219844	69.88309772	-0.101166936	0.551178309	-0.183546656	0.854369114	0.999371363	Not Sig
ENSG00000101311	FERMT1	fermitin family member 1	55612	464.3615407	-0.101165216	0.860540527	-0.117560083	0.906416235	0.999371363	Not Sig
ENSG00000163319	MRPS18C	mitochondrial ribosomal protein S18C	51023	205.4952447	-0.101126944	0.57847591	-0.174816172	0.861224081	0.999371363	Not Sig
ENSG00000233223	LOC100996842	uncharacterized LOC100996842	100996842	61.6235475	-0.100987818	0.619250842	-0.163080631	0.87045495	0.999371363	Not Sig
ENSG00000084733	RAB10	RAB10, member RAS oncogene family	10890	2535.802911	-0.100895484	0.504339483	-0.2000547	0.841437802	0.999371363	Not Sig
ENSG00000258791	NA	NA	NA	1.055152752	-0.100869556	2.580233222	-0.039093193	0.968816088	NA	NA
ENSG00000265768	MIR4506	microRNA 4506	100616140	1.055152752	-0.100869556	2.580233222	-0.039093193	0.968816088	NA	NA
ENSG00000206922	NA	NA	NA	0.616841061	-0.100864174	3.507266779	-0.028758626	0.977057099	NA	NA
ENSG00000224407	NA	NA	NA	0.616841061	-0.100864174	3.507266779	-0.028758626	0.977057099	NA	NA
ENSG00000230495	NA	NA	NA	0.616841061	-0.100864174	3.507266779	-0.028758626	0.977057099	NA	NA
ENSG00000234513	NA	NA	NA	0.616841061	-0.100864174	3.507266779	-0.028758626	0.977057099	NA	NA
ENSG00000253618	GRPEL2-AS1	GRPEL2 antisense RNA 1	106144529	0.616841061	-0.100864174	3.507266779	-0.028758626	0.977057099	NA	NA
ENSG00000132825	PPP1R3D	protein phosphatase 1 regulatory subunit 3D	5509	281.9476304	-0.100784959	0.455126922	-0.221443633	0.824747022	0.999371363	Not Sig
ENSG00000116586	LAMTOR2	late endosomal/lysosomal adaptor, MAPK and mTOR activator 2	28956	442.0710801	-0.100666231	0.443375657	-0.227045011	0.820388742	0.999371363	Not Sig
ENSG00000198374	NA	NA	NA	214.6649321	-0.100624627	0.802334403	-0.125414823	0.900195154	0.999371363	Not Sig

ENSG00000245322	LOC256880	uncharacterized LOC256880	256880	3.507638505	-0.100600798	1.320949624	-0.076157937	0.939293447	NA	NA
ENSG00000114993	RTKN	rhotekin	6242	636.1939008	-0.100563431	0.588097923	-0.170997765	0.864225523	0.999371363	Not Sig
ENSG00000132510	KDM6B	lysine demethylase 6B	23135	2809.126872	-0.100545523	0.463617734	-0.216871607	0.828308405	0.999371363	Not Sig
ENSG00000076984	MAP2K7	mitogen-activated protein kinase kinase 7	5609	993.0701419	-0.10044368	0.552743948	-0.181718281	0.855803819	0.999371363	Not Sig
ENSG00000197183	NOL4L	nucleolar protein 4 like	140688	1119.053195	-0.100377805	0.398283255	-0.252026173	0.801020834	0.999371363	Not Sig
ENSG00000246448	NA	NA	NA	9.376252606	-0.100237061	1.085132361	-0.09237312	0.926401596	0.999371363	Not Sig
ENSG00000260735	LOC100505915	uncharacterized LOC100505915	100505915	3.150596057	-0.100225133	1.647506305	-0.060834446	0.951491057	NA	NA
ENSG00000138398	PPIG	peptidylprolyl isomerase G	9360	2052.516545	-0.100089656	0.458866217	-0.218123828	0.827332632	0.999371363	Not Sig
ENSG00000226928	NA	NA	NA	25.11838485	-0.100052007	0.923343518	-0.108358379	0.913711415	0.999371363	Not Sig
ENSG00000144736	SHQ1	SHQ1, H/ACA ribonucleoprotein assembly factor	55164	392.3944648	-0.100012976	0.472053256	-0.211867992	0.832210022	0.999371363	Not Sig
ENSG00000200241	NA	NA	NA	2.843011136	-0.09978485	1.479990471	-0.06742263	0.946245254	NA	NA
ENSG00000213080	NA	NA	NA	2.049229118	-0.099774616	1.603625865	-0.062218138	0.950389118	NA	NA
ENSG00000211881	NA	NA	NA	4.792837192	-0.099682678	1.908346645	-0.0522351	0.958341365	NA	NA
ENSG00000272982	NA	NA	NA	6.81973699	-0.099542731	1.553910633	-0.064059496	0.948922853	0.999371363	Not Sig
ENSG00000152558	TMEM123	transmembrane protein 123	114908	5704.755739	-0.099533083	0.590755931	-0.168484272	0.866202316	0.999371363	Not Sig
ENSG00000115318	LOXL3	lysyl oxidase like 3	84695	155.8778155	-0.099531236	0.579959665	-0.171617514	0.863738238	0.999371363	Not Sig
ENSG00000170322	NFRKB	nuclear factor related to kappaB binding protein	4798	910.7438312	-0.099472531	0.42457448	-0.234287589	0.81476172	0.999371363	Not Sig
ENSG00000172000	ZNF556	zinc finger protein 556	80032	0.91067066	-0.09947243	2.642925366	-0.037637245	0.969976912	NA	NA
ENSG00000169084	DHRXS	dehydrogenase/reductase X-linked	207063	546.9417465	-0.099331245	0.530495183	-0.187242502	0.851470502	0.999371363	Not Sig
ENSG00000258451	NA	NA	NA	1.64281195	-0.099234723	1.930737787	-0.051397307	0.959008931	NA	NA
ENSG00000077380	DYNC1I2	dynein cytoplasmic 1 intermediate chain 2	1781	1926.494185	-0.099200657	0.457556152	-0.216805427	0.828359983	0.999371363	Not Sig
ENSG00000134109	EDEM1	ER degradation enhancing alpha-mannosidase like protein 1	9695	4338.939005	-0.099125361	0.520919025	-0.190289385	0.849082371	0.999371363	Not Sig
ENSG00000241014	LOC653160	uncharacterized LOC653160	653160	128.5609175	-0.099084375	0.47420962	-0.208946362	0.834490111	0.999371363	Not Sig
ENSG00000168495	POLR3D	RNA polymerase III subunit D	661	600.9256715	-0.099032601	0.489354695	-0.202373866	0.839624458	0.999371363	Not Sig
ENSG00000242986	NA	NA	NA	3.737114715	-0.098733606	1.344759064	-0.073421038	0.941471077	NA	NA
ENSG00000178229	ZNF543	zinc finger protein 543	125919	315.4117729	-0.098722676	0.408231877	-0.241829904	0.808911966	0.999371363	Not Sig
ENSG00000171045	TSNARE1	t-SNARE domain containing 1	203062	465.4385179	-0.098716396	0.564262364	-0.174947689	0.861120738	0.999371363	Not Sig
ENSG00000160201	U2AF1	U2 small nuclear RNA auxiliary factor 1	7307	2023.261335	-0.098620746	0.441408266	-0.223422971	0.823206328	0.999371363	Not Sig
ENSG00000110921	MVK	mevalonate kinase	4598	362.0690859	-0.098599435	0.541729095	-0.182008749	0.85557586	0.999371363	Not Sig
ENSG00000270130	NA	NA	NA	33.35577603	-0.098574986	0.715106283	-0.137846622	0.890361637	0.999371363	Not Sig
ENSG00000266075	NA	NA	NA	5.235444573	-0.09849779	1.109801107	-0.088752651	0.929278488	NA	NA
ENSG00000205220	PSMB10	proteasome subunit beta 10	5699	290.6092475	-0.098381489	0.738218765	-0.133268746	0.893980844	0.999371363	Not Sig
ENSG00000118816	CCNI	cyclin I	10983	8178.799834	-0.098242767	0.418410585	-0.234799909	0.814364038	0.999371363	Not Sig
ENSG00000143437	ARNT	aryl hydrocarbon receptor nuclear translocator	405	1960.826975	-0.09817131	0.39252006	-0.250105204	0.802505991	0.999371363	Not Sig
ENSG00000151135	TMEM263	transmembrane protein 263	90488	1409.759029	-0.097936894	0.712063762	-0.137539501	0.890604372	0.999371363	Not Sig

ENSG00000247498	GPRC5D-AS1	GPRC5D and HEBP1 antisense RNA 1	100506314	152.9748189	-0.097851556	0.890967168	-0.10982622	0.912547196	0.999371363	Not Sig
ENSG00000142875	PRKACB	protein kinase cAMP-activated catalytic subunit beta	5567	1149.775316	-0.097676531	0.553541859	-0.176457353	0.859934651	0.999371363	Not Sig
ENSG00000163635	ATXN7	ataxin 7	6314	2115.755898	-0.097669563	0.475428724	-0.205434712	0.837232503	0.999371363	Not Sig
ENSG00000254999	BRK1	BRICK1, SCAR/WAVE actin nucleating complex subunit	55845	1326.460948	-0.09760432	0.388386311	-0.251307312	0.801576522	0.999371363	Not Sig
ENSG00000171490	RSL1D1	ribosomal L1 domain containing 1	26156	2070.80002	-0.097350123	0.45712202	-0.212963102	0.831355743	0.999371363	Not Sig
ENSG00000181544	FANCB	Fanconi anemia complementation group B	2187	48.18700381	-0.097341866	0.725957873	-0.134087486	0.893333395	0.999371363	Not Sig
ENSG00000199883	NA	NA	NA	118.4706196	-0.097316875	0.575894622	-0.168983823	0.865809366	0.999371363	Not Sig
ENSG00000064763	FAR2	fatty acyl-CoA reductase 2	55711	241.5522916	-0.0972625	0.793117044	-0.122633224	0.902397544	0.999371363	Not Sig
ENSG00000114030	KPNA1	karyopherin subunit alpha 1	3836	1461.061409	-0.097156056	0.475709116	-0.204234168	0.838170512	0.999371363	Not Sig
ENSG00000254208	NA	NA	NA	1.904747026	-0.097110252	1.73315411	-0.056030939	0.95531716	NA	NA
ENSG00000224707	NA	NA	NA	26.65262391	-0.097037529	1.020088895	-0.095126542	0.924214316	0.999371363	Not Sig
ENSG00000205981	DNAJC19	DnaJ heat shock protein family (Hsp40) member C19	131118	306.35236	-0.096928569	0.520154299	-0.186345799	0.852173594	0.999371363	Not Sig
ENSG00000207627	MIR581	microRNA 581	693166	10.07246534	-0.096890442	1.086203837	-0.089200976	0.92892219	0.999371363	Not Sig
ENSG00000271081	NA	NA	NA	1.204500259	-0.096874616	2.411513704	-0.040171705	0.967956236	NA	NA
ENSG00000244716	NA	NA	NA	13.45807832	-0.096619582	0.746135403	-0.129493363	0.896967277	0.999371363	Not Sig
ENSG00000121864	ZNF639	zinc finger protein 639	51193	481.3319814	-0.096501282	0.511058763	-0.188826196	0.850229039	0.999371363	Not Sig
ENSG00000005175	RPAP3	RNA polymerase II associated protein 3	79657	462.4179253	-0.096482215	0.573709961	-0.168172459	0.866447607	0.999371363	Not Sig
ENSG00000108557	RAI1	retinoic acid induced 1	10743	2949.297961	-0.09646033	0.439450722	-0.21950204	0.826258991	0.999371363	Not Sig
ENSG00000238961	SNORA47	small nucleolar RNA, H/ACA box 47	677828	9.899492977	-0.096307253	0.833269639	-0.115577538	0.907987366	0.999371363	Not Sig
ENSG00000134853	PDGFRA	platelet derived growth factor receptor alpha	5156	1802.744984	-0.096274778	0.501172598	-0.192099046	0.847664622	0.999371363	Not Sig
ENSG00000165494	PCF11	PCF11 cleavage and polyadenylation factor subunit	51585	1944.554784	-0.096230242	0.392670553	-0.245066102	0.80640525	0.999371363	Not Sig
ENSG00000198774	RASSF9	Ras association domain family member 9	9182	251.4825043	-0.096195127	0.626702054	-0.153494194	0.878008569	0.999371363	Not Sig
ENSG00000147536	GINS4	GINS complex subunit 4	84296	58.620017	-0.096119004	0.666014458	-0.144319696	0.885248026	0.999371363	Not Sig
ENSG00000140285	FGF7	fibroblast growth factor 7	2252	454.2243102	-0.096103926	0.576192649	-0.166791308	0.867534258	0.999371363	Not Sig
ENSG00000269968	NA	NA	NA	25.14680157	-0.096020359	0.671109382	-0.143077062	0.88622932	0.999371363	Not Sig
ENSG00000205730	ITPR1L2	ITPRIP like 2	162073	3545.81245	-0.095887523	0.435361163	-0.220248224	0.825677842	0.999371363	Not Sig
ENSG00000256515	NA	NA	NA	11.26496941	-0.095874149	1.369875276	-0.069987502	0.944203607	0.999371363	Not Sig
ENSG00000174720	LARP7	La ribonucleoprotein domain family member 7	51574	805.6809307	-0.095679113	0.438523521	-0.218184678	0.827285223	0.999371363	Not Sig
ENSG00000094880	CDC23	cell division cycle 23	8697	552.5879396	-0.09545809	0.425918247	-0.224123035	0.822661569	0.999371363	Not Sig
ENSG00000183506	PI4KAP2	phosphatidylinositol 4-kinase alpha pseudogene 2	375133	368.8598307	-0.095351359	0.526026089	-0.181267357	0.856157727	0.999371363	Not Sig
ENSG00000168175	MAPK1IP1L	mitogen-activated protein kinase 1 interacting protein 1 like	93487	2384.7569	-0.095137741	0.576723327	-0.164962533	0.868973472	0.999371363	Not Sig
ENSG00000213272	NA	NA	NA	2.410572639	-0.094998523	1.58808787	-0.059819437	0.952299445	NA	NA
ENSG00000161021	MAML1	mastermind like transcriptional coactivator 1	9794	2001.47644	-0.094631616	0.472152281	-0.200426049	0.841147388	0.999371363	Not Sig
ENSG00000071051	NCK2	NCK adaptor protein 2	8440	1041.969472	-0.094624551	0.527549487	-0.179366207	0.857650164	0.999371363	Not Sig
ENSG00000189060	H1FO	H1 histone family member 0	3005	4805.29102	-0.094606936	0.590938668	-0.160096032	0.872805427	0.999371363	Not Sig

ENSG00000143631	FLG	filaggrin	2312	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000166917	MIR202HG	MIR202 host gene	101927671	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000184459	BPIFC	BPI fold containing family C	254240	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000189030	VHLL	VHL like	391104	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000205449	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000215838	LOC440700	carbonic anhydrase 14 pseudogene	440700	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000224963	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000230749	MEIS1-AS2	MEIS1 antisense RNA 2	100873998	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000237897	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000244137	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000250982	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000259335	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000264775	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000266192	MIR1260B	microRNA 1260b	100422991	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000267324	NA	NA	NA	0.587659198	-0.094566281	4.023283583	-0.023504751	0.981247648	NA	NA
ENSG00000166233	ARIH1	ariadne RBR E3 ubiquitin protein ligase 1	25820	2932.89015	-0.094497113	0.440417372	-0.214562638	0.830108326	0.999371363	Not Sig
ENSG00000118946	PCDH17	protocadherin 17	27253	1857.151625	-0.094469847	0.688751758	-0.137160953	0.890903574	0.999371363	Not Sig
ENSG00000144524	COPS7B	COP9 signalosome subunit 7B	64708	566.1761614	-0.094319695	0.394297917	-0.239209215	0.810943357	0.999371363	Not Sig
ENSG00000227383	NA	NA	NA	54.33196898	-0.094312903	0.707428468	-0.133317936	0.893941944	0.999371363	Not Sig
ENSG00000130717	UCK1	uridine-cytidine kinase 1	83549	572.4114346	-0.094300226	0.616733765	-0.152902648	0.878475048	0.999371363	Not Sig
ENSG00000258725	PRC1-AS1	PRC1 antisense RNA 1	100507118	11.90720231	-0.094093382	0.860167233	-0.109389638	0.912893452	0.999371363	Not Sig
ENSG00000153936	HS2ST1	heparan sulfate 2-O-sulfotransferase 1	9653	821.452908	-0.093990938	0.597142869	-0.157401089	0.874928755	0.999371363	Not Sig
ENSG00000268744	NA	NA	NA	1.56584378	-0.093884986	1.973948153	-0.047562032	0.962065292	NA	NA
ENSG00000169288	MRPL1	mitochondrial ribosomal protein L1	65008	265.2028798	-0.093853361	0.484287968	-0.193796599	0.84633515	0.999371363	Not Sig
ENSG00000075420	FNDC3B	fibronectin type III domain containing 3B	64778	6913.461992	-0.093840278	0.632391032	-0.148389641	0.882035275	0.999371363	Not Sig
ENSG00000138385	SSB	Sjogren syndrome antigen B	6741	1134.961716	-0.093834129	0.469786025	-0.199738016	0.84168548	0.999371363	Not Sig
ENSG00000146918	NCAPG2	non-SMC condensin II complex subunit G2	54892	657.0402506	-0.093760912	0.878468059	-0.106732295	0.915001361	0.999371363	Not Sig
ENSG00000100726	TELO2	telomere maintenance 2	9894	728.3533482	-0.093713215	0.529772195	-0.176893418	0.859592109	0.999371363	Not Sig
ENSG00000225449	RAB6C-AS1	RAB6C antisense RNA 1	100131320	1.287905965	-0.093673697	2.128923143	-0.044000507	0.964904	NA	NA
ENSG00000132967	NA	NA	NA	38.97531219	-0.09365447	0.582783051	-0.160702117	0.872328022	0.999371363	Not Sig
ENSG00000167528	ZNF641	zinc finger protein 641	121274	687.4434917	-0.093596691	0.396775291	-0.235893446	0.813515354	0.999371363	Not Sig
ENSG00000100578	KIAA0586	KIAA0586	9786	667.0318577	-0.09350477	0.516642433	-0.180985462	0.856378987	0.999371363	Not Sig
ENSG00000146001	PCDHB18P	protocadherin beta 18 pseudogene	54660	36.39919997	-0.093226806	0.705577457	-0.13212838	0.894882749	0.999371363	Not Sig
ENSG00000095951	HIVEP1	human immunodeficiency virus type 1 enhancer binding protein 1	3096	1768.517667	-0.093211309	0.502968636	-0.185322309	0.852976241	0.999371363	Not Sig
ENSG00000143499	SMYD2	SET and MYND domain containing 2	56950	734.6555849	-0.093208297	0.457499061	-0.2037344	0.838561059	0.999371363	Not Sig

ENSG00000111203	ITFG2	integrin alpha FG-GAP repeat containing 2	55846	747.2399101	-0.093122802	0.425660662	-0.218772393	0.826827353	0.999371363	Not Sig
ENSG00000203914	NA	NA	NA	1.355419887	-0.093055231	1.896492187	-0.049067026	0.960865881	NA	NA
ENSG00000248925	NA	NA	NA	1.355419887	-0.093055231	1.896492187	-0.049067026	0.960865881	NA	NA
ENSG00000183337	BCOR	BCL6 corepressor	54880	2025.886842	-0.09300031	0.399009706	-0.233077813	0.815700984	0.999371363	Not Sig
ENSG00000266341	NA	NA	NA	1.581735564	-0.092977124	1.988326562	-0.046761496	0.962703317	NA	NA
ENSG00000118412	CASP8AP2	caspase 8 associated protein 2	9994	1163.548075	-0.092799228	0.578887442	-0.16030617	0.872639899	0.999371363	Not Sig
ENSG00000182179	UBA7	ubiquitin like modifier activating enzyme 7	7318	1670.914131	-0.092743244	0.854120208	-0.108583363	0.913532957	0.999371363	Not Sig
ENSG00000157833	GAREM2	GRB2 associated regulator of MAPK1 subtype 2	150946	81.26104118	-0.092738026	0.658335583	-0.140867406	0.887974692	0.999371363	Not Sig
ENSG00000135845	PIGC	phosphatidylinositol glycan anchor biosynthesis class C	5279	349.4359416	-0.092720974	0.469373159	-0.197542132	0.843403315	0.999371363	Not Sig
ENSG00000152223	EPG5	ectopic P-granules autophagy protein 5 homolog	57724	2479.333586	-0.092628343	0.436994817	-0.211966686	0.832133025	0.999371363	Not Sig
ENSG00000019991	HGF	hepatocyte growth factor	3082	710.1054007	-0.092585057	0.588583114	-0.157301586	0.87500717	0.999371363	Not Sig
ENSG00000139624	CERS5	ceramide synthase 5	91012	497.2643984	-0.092420565	0.475818804	-0.194234789	0.845992044	0.999371363	Not Sig
ENSG00000105197	TIMM50	translocase of inner mitochondrial membrane 50	92609	541.3861899	-0.092418682	0.453651735	-0.203721653	0.83857102	0.999371363	Not Sig
ENSG00000214975	NA	NA	NA	20.92022433	-0.092187377	0.676995113	-0.136171407	0.891685778	0.999371363	Not Sig
ENSG00000177873	ZNF619	zinc finger protein 619	285267	250.1259568	-0.092175036	0.509291842	-0.180986672	0.856378038	0.999371363	Not Sig
ENSG00000122435	TRMT13	tRNA methyltransferase 13 homolog	54482	455.0040055	-0.092127438	0.659180957	-0.139760466	0.88884925	0.999371363	Not Sig
ENSG00000127870	RNF6	ring finger protein 6	6049	846.5880046	-0.09201639	0.49582831	-0.185581155	0.852773233	0.999371363	Not Sig
ENSG00000202474	NA	NA	NA	17.13990471	-0.092007834	1.07284527	-0.085760582	0.931656742	0.999371363	Not Sig
ENSG00000070061	ELP1	elongator complex protein 1	8518	1225.588316	-0.091831578	0.403979036	-0.227317683	0.820176724	0.999371363	Not Sig
ENSG00000138433	CIR1	corepressor interacting with RBPJ, 1	9541	623.3449499	-0.0914318	0.413488454	-0.221122982	0.824996676	0.999371363	Not Sig
ENSG00000260083	MIR762HG	MIR762 host gene	101928736	33.10349947	-0.091264703	0.590061403	-0.15466984	0.877081608	0.999371363	Not Sig
ENSG00000136999	NOV	nephroblastoma overexpressed	4856	68.15776497	-0.091119811	0.791597269	-0.115108798	0.908358886	0.999371363	Not Sig
ENSG00000265661	NA	NA	NA	3.520209523	-0.090968821	1.638392714	-0.055523209	0.95572164	NA	NA
ENSG00000134744	ZCCHC11	zinc finger CCHC-type containing 11	23318	1886.924173	-0.090904924	0.673208134	-0.135032421	0.892586241	0.999371363	Not Sig
ENSG00000128791	TWSG1	twisted gastrulation BMP signaling modulator 1	57045	820.1664155	-0.090859706	0.424005243	-0.214289111	0.830321609	0.999371363	Not Sig
ENSG00000272123	NA	NA	NA	2.820266809	-0.090643931	1.454187452	-0.062333045	0.950297614	NA	NA
ENSG00000089692	LAG3	lymphocyte activating 3	3902	165.2697792	-0.090637912	1.058331045	-0.085642307	0.931750766	0.999371363	Not Sig
ENSG00000177575	CD163	CD163 molecule	9332	2722.544388	-0.090636027	0.798036586	-0.113573774	0.909575678	0.999371363	Not Sig
ENSG00000135094	SDS	serine dehydratase	10993	162.9798393	-0.090590194	0.905391864	-0.100056338	0.920299599	0.999371363	Not Sig
ENSG00000070159	PTPN3	protein tyrosine phosphatase, non-receptor type 3	5774	1673.033819	-0.09054317	0.746606997	-0.121272866	0.903474911	0.999371363	Not Sig
ENSG00000075413	MARK3	microtubule affinity regulating kinase 3	4140	2214.028601	-0.0905244	0.417089435	-0.217038344	0.828178463	0.999371363	Not Sig
ENSG00000115944	COX7A2L	cytochrome c oxidase subunit 7A2 like	9167	948.5563029	-0.09028504	0.424445471	-0.212712931	0.83155088	0.999371363	Not Sig
ENSG00000100084	HIRA	histone cell cycle regulator	7290	179.255644	-0.090284791	0.486066756	-0.185745662	0.852644218	0.999371363	Not Sig
ENSG00000168517	HEXIM2	hexamethylene bisacetamide inducible 2	124790	81.2763324	-0.090142819	0.512971008	-0.175726926	0.86050848	0.999371363	Not Sig
ENSG00000133106	EPSTI1	epithelial stromal interaction 1	94240	736.8213041	-0.089930265	0.673538677	-0.13351908	0.893782876	0.999371363	Not Sig

ENSG00000152061	RABGAP1L	RAB GTPase activating protein 1 like	9910	2566.474279	-0.089673453	0.583095184	-0.153788705	0.87777634	0.999371363	Not Sig
ENSG00000160445	ZER1	zyg-11 related cell cycle regulator	10444	1305.954035	-0.089632258	0.543200338	-0.165007735	0.868937894	0.999371363	Not Sig
ENSG00000134882	UBAC2	UBA domain containing 2	337867	1219.587238	-0.089393725	0.403235221	-0.221691262	0.824554232	0.999371363	Not Sig
ENSG00000198155	ZNF876P	zinc finger protein 876, pseudogene	642280	58.47952035	-0.089215995	0.588485006	-0.151602835	0.879500198	0.999371363	Not Sig
ENSG00000007237	GAS7	growth arrest specific 7	8522	1384.412129	-0.089215182	0.611406276	-0.145918002	0.88398612	0.999371363	Not Sig
ENSG00000164933	SLC25A32	solute carrier family 25 member 32	81034	570.7852446	-0.089162	0.531908362	-0.167626619	0.866877028	0.999371363	Not Sig
ENSG00000040633	PHF23	PHD finger protein 23	79142	718.4863948	-0.089158784	0.427260535	-0.208675448	0.834701608	0.999371363	Not Sig
ENSG00000264623	MIR4796	microRNA 4796	100616166	5.946673946	-0.089154501	1.126469743	-0.079145047	0.936917253	NA	NA
ENSG00000204681	GABBR1	gamma-aminobutyric acid type B receptor subunit 1	2550	724.2917499	-0.089032097	0.652311277	-0.136487134	0.891436195	0.999371363	Not Sig
ENSG00000106211	HSPB1	heat shock protein family B (small) member 1	3315	4046.461242	-0.088887712	0.484361125	-0.183515372	0.854393659	0.999371363	Not Sig
ENSG00000111640	GAPDH	glyceraldehyde-3-phosphate dehydrogenase	2597	16142.57243	-0.088870118	0.502374279	-0.176900215	0.85958677	0.999371363	Not Sig
ENSG00000076382	SPAG5	sperm associated antigen 5	10615	251.4903067	-0.088797163	0.806134189	-0.110151838	0.912288957	0.999371363	Not Sig
ENSG00000201428	NA	NA	NA	443.4799397	-0.088661451	0.590370828	-0.150179256	0.880623192	0.999371363	Not Sig
ENSG00000141499	WRAP53	WD repeat containing antisense to TP53	55135	148.5287093	-0.088585587	0.534121716	-0.165852809	0.868272786	0.999371363	Not Sig
ENSG00000143742	SRP9	signal recognition particle 9	6726	2326.344345	-0.088440334	0.639485125	-0.138299282	0.890003893	0.999371363	Not Sig
ENSG00000170540	ARL6IP1	ADP ribosylation factor like GTPase 6 interacting protein 1	23204	1705.616781	-0.088398475	0.579010406	-0.152671651	0.878657218	0.999371363	Not Sig
ENSG00000148814	LRRC27	leucine rich repeat containing 27	80313	290.3335694	-0.088376532	0.474529217	-0.186240443	0.85225621	0.999371363	Not Sig
ENSG00000207357	RNU6-2	RNA, U6 small nuclear 2	103625684	2.272528082	-0.088286646	1.565803177	-0.056384255	0.955035699	NA	NA
ENSG00000259488	NA	NA	NA	12.81021209	-0.08788234	0.784439174	-0.112032064	0.910797983	0.999371363	Not Sig
ENSG00000117242	PINK1-AS	PINK1 antisense RNA	100861548	214.4551535	-0.087789564	0.472497646	-0.185798944	0.852602433	0.999371363	Not Sig
ENSG00000128590	DNAJB9	DnaJ heat shock protein family (Hsp40) member B9	4189	841.6756276	-0.087741093	0.577907416	-0.151825519	0.879324554	0.999371363	Not Sig
ENSG00000204356	NELFE	negative elongation factor complex member E	7936	1032.568684	-0.087588202	0.481989619	-0.181722176	0.855800762	0.999371363	Not Sig
ENSG00000147274	RBMX	RNA binding motif protein, X-linked	27316	3430.836838	-0.087584157	0.479209232	-0.182768093	0.854979985	0.999371363	Not Sig
ENSG00000188690	UROS	uroporphyrinogen III synthase	7390	475.3309267	-0.087552354	0.432540718	-0.202414133	0.83959298	0.999371363	Not Sig
ENSG00000177200	CHD9	chromodomain helicase DNA binding protein 9	80205	4126.228205	-0.08734489	0.462629641	-0.188800894	0.850248871	0.999371363	Not Sig
ENSG00000165868	HSPA12A	heat shock protein family A (Hsp70) member 12A	259217	137.8362344	-0.087326375	0.520510007	-0.16777079	0.866763603	0.999371363	Not Sig
ENSG00000084463	WBP11	WW domain binding protein 11	51729	1331.126557	-0.087323029	0.444944982	-0.196255791	0.844409962	0.999371363	Not Sig
ENSG00000150764	DIXDC1	DIX domain containing 1	85458	550.7131967	-0.087309455	0.553495935	-0.157741818	0.874660247	0.999371363	Not Sig
ENSG00000146842	TMEM209	transmembrane protein 209	84928	573.175015	-0.087281777	0.612303941	-0.142546488	0.886648362	0.999371363	Not Sig
ENSG00000160446	ZDHHC12	zinc finger DHHC-type containing 12	84885	400.6719869	-0.08721522	0.521766517	-0.167153731	0.867249089	0.999371363	Not Sig
ENSG00000136811	ODF2	outer dense fiber of sperm tails 2	4957	934.2686117	-0.087188569	0.470560779	-0.18528652	0.85300431	0.999371363	Not Sig
ENSG00000145348	TBCK	TBC1 domain containing kinase	93627	1161.923485	-0.087102093	0.590652489	-0.14746758	0.882762967	0.999371363	Not Sig
ENSG00000175390	EIF3F	eukaryotic translation initiation factor 3 subunit F	8665	2029.913601	-0.086999984	0.392203178	-0.221823762	0.824451081	0.999371363	Not Sig
ENSG00000254512	NA	NA	NA	38.53146859	-0.086991509	0.587127487	-0.148164599	0.882212869	0.999371363	Not Sig
ENSG00000147383	NSDHL	NAD(P) dependent steroid dehydrogenase-like	50814	278.2128208	-0.08687327	0.475941751	-0.182529205	0.855167437	0.999371363	Not Sig

ENSG00000136869	TLR4	toll like receptor 4	7099	889.3418577	-0.086596182	0.738015028	-0.11733661	0.906593314	0.999371363	Not Sig
ENSG00000253653	NA	NA	NA	1.94951662	-0.086418162	1.600823671	-0.053983561	0.956948262	NA	NA
ENSG00000232561	NA	NA	NA	41.46288218	-0.086390077	0.76802535	-0.112483366	0.910440158	0.999371363	Not Sig
ENSG00000134262	AP4B1	adaptor related protein complex 4 beta 1 subunit	10717	452.7813654	-0.086336839	0.528985959	-0.163211967	0.870351544	0.999371363	Not Sig
ENSG00000254667	NA	NA	NA	45.78417585	-0.086280345	0.550409498	-0.156756644	0.875436644	0.999371363	Not Sig
ENSG00000135801	TAF5L	TATA-box binding protein associated factor 5 like	27097	655.1255035	-0.086264035	0.421896925	-0.204467086	0.83798851	0.999371363	Not Sig
ENSG00000152056	AP1S3	adaptor related protein complex 1 sigma 3 subunit	130340	241.9814676	-0.086209841	0.596295821	-0.144575624	0.885045944	0.999371363	Not Sig
ENSG00000252071	NA	NA	NA	10.45940429	-0.08613987	0.95271986	-0.090414689	0.927957684	0.999371363	Not Sig
ENSG00000198113	TOR4A	torsin family 4 member A	54863	1248.734198	-0.086069758	0.646965991	-0.133035986	0.894164921	0.999371363	Not Sig
ENSG00000023572	GLRX2	glutaredoxin 2	51022	83.42014943	-0.086049862	0.535580463	-0.160666543	0.872356041	0.999371363	Not Sig
ENSG00000171953	ATPAF2	ATP synthase mitochondrial F1 complex assembly factor 2	91647	342.0777497	-0.08597134	0.415145659	-0.207087172	0.83594178	0.999371363	Not Sig
ENSG00000180530	NRIP1	nuclear receptor interacting protein 1	8204	2157.610091	-0.085884046	0.52129662	-0.16475082	0.869140115	0.999371363	Not Sig
ENSG00000242808	SOX2-OT	SOX2 overlapping transcript	347689	18.33959789	-0.085874273	0.877531354	-0.097858922	0.922044319	0.999371363	Not Sig
ENSG00000129951	PLPPR3	phospholipid phosphatase related 3	79948	106.0781783	-0.085831662	1.152730247	-0.074459452	0.940644804	0.999371363	Not Sig
ENSG00000145414	NAF1	nuclear assembly factor 1 ribonucleoprotein	92345	457.7620399	-0.08581153	0.440174652	-0.194948822	0.845433013	0.999371363	Not Sig
ENSG00000197928	ZNF677	zinc finger protein 677	342926	260.883655	-0.085737905	0.715461564	-0.119835795	0.904613226	0.999371363	Not Sig
ENSG00000225300	NA	NA	NA	42.85415491	-0.085713576	0.529101701	-0.1619983	0.871307193	0.999371363	Not Sig
ENSG00000066422	ZBTB11	zinc finger and BTB domain containing 11	27107	1036.990481	-0.085647693	0.511404998	-0.167475275	0.8669961	0.999371363	Not Sig
ENSG00000271303	SRXN1	sulfiredoxin 1	140809	125.1052244	-0.085635064	0.898544378	-0.095304212	0.924073197	0.999371363	Not Sig
ENSG00000124207	CSE1L	chromosome segregation 1 like	1434	1126.973473	-0.085581187	0.527265624	-0.162311335	0.871060689	0.999371363	Not Sig
ENSG00000248554	NA	NA	NA	7.562041781	-0.085579721	1.150534246	-0.074382594	0.940705959	0.999371363	Not Sig
ENSG00000164691	TAGAP	T-cell activation RhoGTPase activating protein	117289	764.5254878	-0.08548186	0.837542113	-0.10206276	0.91870686	0.999371363	Not Sig
ENSG00000269463	NA	NA	NA	11.28280622	-0.085451867	1.122361001	-0.076135813	0.939311048	0.999371363	Not Sig
ENSG00000231063	NA	NA	NA	1.061590288	-0.085431493	2.578022017	-0.033138388	0.973564231	NA	NA
ENSG00000152620	NADK2	NAD kinase 2, mitochondrial	133686	629.250702	-0.085311189	0.50951774	-0.167435169	0.867027655	0.999371363	Not Sig
ENSG00000175575	PAAF1	proteasomal ATPase associated factor 1	80227	380.9848401	-0.084976114	0.44195987	-0.192271108	0.847529849	0.999371363	Not Sig
ENSG00000131115	ZNF227	zinc finger protein 227	7770	324.4347835	-0.084876389	0.454833514	-0.186609795	0.851966587	0.999371363	Not Sig
ENSG00000144320	LNPK	lunapark, ER junction formation factor	80856	1099.112299	-0.084840663	0.498650869	-0.17014041	0.864899714	0.999371363	Not Sig
ENSG00000110042	DTX4	deltex E3 ubiquitin ligase 4	23220	2205.894156	-0.08481008	0.490943933	-0.172749013	0.862848716	0.999371363	Not Sig
ENSG00000235574	NA	NA	NA	2.826704345	-0.08480739	1.445344613	-0.058676242	0.953209983	NA	NA
ENSG00000257342	NA	NA	NA	1.655687021	-0.084797057	1.726473338	-0.049115764	0.960827041	NA	NA
ENSG00000111412	C12orf49	chromosome 12 open reading frame 49	79794	1462.40245	-0.084735915	0.580300736	-0.146020692	0.883905053	0.999371363	Not Sig
ENSG00000174749	FAM241A	family with sequence similarity 241 member A	132720	244.1018099	-0.084717736	0.571288302	-0.148292439	0.882111982	0.999371363	Not Sig
ENSG00000104824	HNRNPL	heterogeneous nuclear ribonucleoprotein L	3191	2782.78022	-0.084695499	0.382535223	-0.221405751	0.824776515	0.999371363	Not Sig
ENSG00000158796	DEDD	death effector domain containing	9191	588.8711312	-0.084601132	0.435170324	-0.19440924	0.845855456	0.999371363	Not Sig

ENSG00000124459	ZNF45	zinc finger protein 45	7596	331.5636846	-0.084499757	0.435722116	-0.193930384	0.846230392	0.999371363	Not Sig
ENSG00000166164	BRD7	bromodomain containing 7	29117	1605.475052	-0.084435987	0.406434885	-0.207747882	0.835425829	0.999371363	Not Sig
ENSG00000203827	NA	NA	NA	44.16580936	-0.084386802	0.636387205	-0.132602921	0.894507423	0.999371363	Not Sig
ENSG00000243960	NA	NA	NA	18.2340529	-0.084340044	1.023261777	-0.082422745	0.93431055	0.999371363	Not Sig
ENSG00000183137	CEP57L1	centrosomal protein 57 like 1	285753	250.714653	-0.08428569	0.589539834	-0.142968609	0.886314973	0.999371363	Not Sig
ENSG00000260940	NA	NA	NA	2.453509823	-0.084261645	1.838820016	-0.045823759	0.963450722	NA	NA
ENSG00000176076	KCNE5	potassium voltage-gated channel subfamily E regulatory subunit 5	23630	5.377635485	-0.084259515	1.265843864	-0.066563908	0.946928879	NA	NA
ENSG00000113211	PCDHB6	protocadherin beta 6	56130	31.11809228	-0.084170797	0.759072881	-0.110886318	0.911706495	0.999371363	Not Sig
ENSG00000273045	C2orf15	chromosome 2 open reading frame 15	150590	45.06955258	-0.084153571	0.77760156	-0.108221968	0.913819619	0.999371363	Not Sig
ENSG00000163386	NA	NA	NA	1109.549385	-0.0840485	0.491401578	-0.17103832	0.864193634	0.999371363	Not Sig
ENSG00000070610	GBA2	glucosylceramidase beta 2	57704	1369.85853	-0.083140045	0.583673479	-0.142442731	0.886730312	0.999371363	Not Sig
ENSG00000243943	ZNF512	zinc finger protein 512	84450	434.1727786	-0.083121392	0.445586177	-0.186543921	0.85201824	0.999371363	Not Sig
ENSG00000163520	FBLN2	fibulin 2	2199	1313.300158	-0.083066251	0.618553983	-0.13429103	0.893172446	0.999371363	Not Sig
ENSG00000062582	MRPS24	mitochondrial ribosomal protein S24	64951	5.370317699	-0.083061531	1.070045256	-0.077624316	0.938126899	NA	NA
ENSG00000182149	IST1	IST1, ESCRT-III associated factor	9798	2612.970307	-0.083057251	0.414796165	-0.200236303	0.841295776	0.999371363	Not Sig
ENSG00000240230	COX19	COX19, cytochrome c oxidase assembly factor	90639	480.4080739	-0.082996592	0.531679983	-0.156102533	0.875952202	0.999371363	Not Sig
ENSG00000137776	SLTM	SAFB like transcription modulator	79811	2748.365318	-0.082903849	0.432740424	-0.191578704	0.848072226	0.999371363	Not Sig
ENSG00000269106	NA	NA	NA	9.626000055	-0.082870137	0.958517878	-0.086456538	0.931103504	0.999371363	Not Sig
ENSG00000273259	NA	NA	NA	6.138509687	-0.082867554	1.482190001	-0.05590886	0.955414412	NA	NA
ENSG00000168259	DNAJC7	DnaJ heat shock protein family (Hsp40) member C7	7266	1350.141774	-0.082773905	0.393189207	-0.210519271	0.833262412	0.999371363	Not Sig
ENSG00000232142	NA	NA	NA	3.842545688	-0.082295026	1.404543332	-0.058592016	0.95327707	NA	NA
ENSG00000137106	GRHPR	glyoxylate and hydroxypyruvate reductase	9380	924.7488638	-0.082225149	0.630318868	-0.130450084	0.896210344	0.999371363	Not Sig
ENSG00000238390	NA	NA	NA	10.95150716	-0.082215752	0.915539407	-0.089800342	0.928445876	0.999371363	Not Sig
ENSG00000011523	CEP68	centrosomal protein 68	23177	787.6908097	-0.082081461	0.509978471	-0.160950836	0.872132123	0.999371363	Not Sig
ENSG00000115514	TXNDC9	thioredoxin domain containing 9	10190	427.2902721	-0.081949763	0.509186027	-0.160942679	0.872138547	0.999371363	Not Sig
ENSG00000169057	MECP2	methyl-CpG binding protein 2	4204	2209.566758	-0.081938217	0.552073768	-0.148418965	0.882012134	0.999371363	Not Sig
ENSG00000248275	TRIM52-AS1	TRIM52 antisense RNA 1 (head to head)	100507602	105.5717548	-0.081880809	0.750682787	-0.109075112	0.913142915	0.999371363	Not Sig
ENSG00000259810	NA	NA	NA	4.520723425	-0.081701713	1.1686285	-0.069912477	0.944263322	NA	NA
ENSG00000125351	UPF3B	UPF3B, regulator of nonsense mediated mRNA decay	65109	307.0551262	-0.081665025	0.549622455	-0.148583858	0.881882011	0.999371363	Not Sig
ENSG00000230753	ZNF341-AS1	ZNF341 antisense RNA 1	101929746	3.481462457	-0.08144531	1.533747741	-0.053102155	0.957650515	NA	NA
ENSG00000140612	SEC11A	SEC11 homolog A, signal peptidase complex subunit	23478	1277.197034	-0.08141658	0.457603583	-0.177919455	0.858786232	0.999371363	Not Sig
ENSG00000164880	INTS1	integrator complex subunit 1	26173	5342.496808	-0.081343657	0.632919721	-0.128521287	0.897736453	0.999371363	Not Sig
ENSG00000134198	TSPAN2	tetraspanin 2	10100	135.3773476	-0.081315506	0.52036087	-0.156267526	0.875822153	0.999371363	Not Sig
ENSG00000138231	DBR1	debranching RNA lariats 1	51163	288.3608988	-0.081253801	0.453312928	-0.179244393	0.857745808	0.999371363	Not Sig
ENSG00000139131	YARS2	tyrosyl-tRNA synthetase 2	51067	260.3606084	-0.081202552	0.430030901	-0.188829575	0.850226391	0.999371363	Not Sig

ENSG00000227695	NA	NA	NA	11.25459791	-0.081188143	0.844455765	-0.096142565	0.923407346	0.999371363	Not Sig
ENSG00000188820	CALHM6	calcium homeostasis modulator family member 6	441168	70.06988712	-0.081141624	0.885922639	-0.091589966	0.927023824	0.999371363	Not Sig
ENSG00000234062	NA	NA	NA	73.03506039	-0.080988841	0.589544325	-0.137375322	0.890734137	0.999371363	Not Sig
ENSG00000239468	NA	NA	NA	3.210377185	-0.0809484	1.4048333	-0.057621356	0.954050238	NA	NA
ENSG00000135341	MAP3K7	mitogen-activated protein kinase kinase kinase 7	6885	1468.101876	-0.080830746	0.575198528	-0.140526692	0.888243864	0.999371363	Not Sig
ENSG00000184988	TMEM106A	transmembrane protein 106A	113277	449.3070725	-0.080799414	0.435811849	-0.185399763	0.852915494	0.999371363	Not Sig
ENSG00000247081	BAALC-AS1	BAALC antisense RNA 1	100499183	75.51350629	-0.080734498	0.659241077	-0.122465818	0.902530116	0.999371363	Not Sig
ENSG00000119844	AFTPH	aftiphilin	54812	1517.915416	-0.080726894	0.46256095	-0.174521637	0.861455528	0.999371363	Not Sig
ENSG00000010310	GIPR	gastric inhibitory polypeptide receptor	2696	177.1524226	-0.080725017	0.556352543	-0.145096878	0.884634383	0.999371363	Not Sig
ENSG00000205085	FAM71F2	family with sequence similarity 71 member F2	346653	31.59921084	-0.080590311	0.744888605	-0.108191091	0.913844112	0.999371363	Not Sig
ENSG00000121621	KIF18A	kinesin family member 18A	81930	127.5422882	-0.080585413	0.835707641	-0.096427757	0.923180848	0.999371363	Not Sig
ENSG00000251411	NA	NA	NA	11.60725648	-0.080507377	0.828622555	-0.097158081	0.922600857	0.999371363	Not Sig
ENSG00000173088	NA	NA	NA	13.04147695	-0.080393281	0.786253825	-0.102248509	0.918559425	0.999371363	Not Sig
ENSG00000136560	TANK	TRAF family member associated NFKB activator	10010	1100.473929	-0.080273331	0.580961629	-0.138173207	0.89010353	0.999371363	Not Sig
ENSG00000131153	GINS2	GINS complex subunit 2	51659	74.52497528	-0.080106945	0.877361729	-0.091304353	0.927250759	0.999371363	Not Sig
ENSG00000076662	ICAM3	intercellular adhesion molecule 3	3385	443.8491765	-0.080102372	0.767933756	-0.10430896	0.916924167	0.999371363	Not Sig
ENSG00000197746	PSAP	prosaposin	5660	30164.07707	-0.080005961	0.595351505	-0.13438441	0.893098609	0.999371363	Not Sig
ENSG00000176055	MBLAC2	metallo-beta-lactamase domain containing 2	153364	172.4249703	-0.079927889	0.504268972	-0.158502493	0.874060857	0.999371363	Not Sig
ENSG00000177352	CCDC71	coiled-coil domain containing 71	64925	409.1754625	-0.079914268	0.465310598	-0.171743924	0.863638852	0.999371363	Not Sig
ENSG00000133872	SARAF	store-operated calcium entry associated regulatory factor	51669	4700.738838	-0.079786737	0.615516375	-0.129625693	0.896862574	0.999371363	Not Sig
ENSG00000147166	ITGB1BP2	integrin subunit beta 1 binding protein 2	26548	27.81929629	-0.079404638	0.751043534	-0.105725746	0.915799953	0.999371363	Not Sig
ENSG00000115687	PASK	PAS domain containing serine/threonine kinase	23178	492.6688771	-0.079337642	0.423168299	-0.187484844	0.851280506	0.999371363	Not Sig
ENSG00000172262	ZNF131	zinc finger protein 131	7690	827.751363	-0.079268513	0.457957515	-0.173091413	0.862579575	0.999371363	Not Sig
ENSG00000134049	IER3IP1	immediate early response 3 interacting protein 1	51124	401.3813932	-0.079155847	0.750724377	-0.105439292	0.916027239	0.999371363	Not Sig
ENSG00000008405	CRY1	cryptochrome circadian regulator 1	1407	630.8300084	-0.079112529	0.411321422	-0.192337488	0.847477856	0.999371363	Not Sig
ENSG00000250942	NA	NA	NA	6.11576536	-0.079075053	1.473055278	-0.053680981	0.957189336	NA	NA
ENSG00000225241	NA	NA	NA	885.1080243	-0.079062815	0.451605578	-0.175070501	0.861024237	0.999371363	Not Sig
ENSG00000172638	EFEMP2	EGF containing fibulin extracellular matrix protein 2	30008	761.1394662	-0.078994821	0.630615276	-0.125266266	0.900312757	0.999371363	Not Sig
ENSG00000168264	IRF2BP2	interferon regulatory factor 2 binding protein 2	359948	7407.341946	-0.078866656	0.478674452	-0.164760529	0.869132472	0.999371363	Not Sig
ENSG00000109606	DHX15	DEAH-box helicase 15	1665	3067.946429	-0.078848351	0.501411168	-0.157252881	0.875045553	0.999371363	Not Sig
ENSG00000265339	NA	NA	NA	2.771501152	-0.078821278	1.487003812	-0.053006776	0.957726509	NA	NA
ENSG00000106012	IQCE	IQ motif containing E	23288	1172.072206	-0.078427547	0.497542142	-0.157629959	0.874748395	0.999371363	Not Sig
ENSG00000176531	PHLDB3	pleckstrin homology like domain family B member 3	653583	263.0495965	-0.078415553	0.491542631	-0.159529505	0.873251714	0.999371363	Not Sig
ENSG00000140961	OSGIN1	oxidative stress induced growth inhibitor 1	29948	290.8702269	-0.078399002	0.82561284	-0.094958555	0.924347747	0.999371363	Not Sig
ENSG00000178761	FAM219B	family with sequence similarity 219 member B	57184	1015.934079	-0.078372254	0.526970339	-0.148722325	0.881772744	0.999371363	Not Sig

ENSG00000221465	NA	NA	NA	1.361857422	-0.078267514	2.081707646	-0.037597745	0.970008406	NA	NA
ENSG00000067113	PLPP1	phospholipid phosphatase 1	8611	523.6393697	-0.07822067	0.525276287	-0.148913386	0.881621978	0.999371363	Not Sig
ENSG00000114648	KLHL18	kelch like family member 18	23276	628.1892966	-0.078143437	0.465415941	-0.167900215	0.866661781	0.999371363	Not Sig
ENSG00000148730	EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2	1979	3868.804226	-0.077968189	0.43958209	-0.177368894	0.859218639	0.999371363	Not Sig
ENSG00000189184	PCDH18	protocadherin 18	54510	380.3572995	-0.077728152	0.545737231	-0.142427798	0.886742106	0.999371363	Not Sig
ENSG00000166881	NEMP1	nuclear envelope integral membrane protein 1	23306	518.8046631	-0.077715491	0.557973939	-0.139281578	0.889227646	0.999371363	Not Sig
ENSG00000134825	TMEM258	transmembrane protein 258	746	436.1859126	-0.077591127	0.55732665	-0.139220199	0.889276147	0.999371363	Not Sig
ENSG00000160213	CSTB	cystatin B	1476	2034.316959	-0.077589689	0.529432121	-0.146552667	0.883485117	0.999371363	Not Sig
ENSG00000242071	NA	NA	NA	30.50671479	-0.07755194	0.612091791	-0.126699854	0.899177962	0.999371363	Not Sig
ENSG00000125633	CCDC93	coiled-coil domain containing 93	54520	1440.25774	-0.077526727	0.449822879	-0.172349454	0.863162808	0.999371363	Not Sig
ENSG00000126453	BCL2L12	BCL2 like 12	83596	178.0029637	-0.077467051	0.525220898	-0.147494227	0.882741936	0.999371363	Not Sig
ENSG00000243806	NA	NA	NA	7.106393713	-0.077415633	0.947651511	-0.081692091	0.934891568	0.999371363	Not Sig
ENSG00000124788	ATXN1	ataxin 1	6310	3088.912047	-0.07726303	0.453129888	-0.170509675	0.864609326	0.999371363	Not Sig
ENSG00000129675	ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor 6	9459	1169.436753	-0.076960256	0.787925603	-0.097674521	0.922190748	0.999371363	Not Sig
ENSG00000130779	CLIP1	CAP-Gly domain containing linker protein 1	6249	3726.415585	-0.0769168	0.45613455	-0.168627436	0.866089699	0.999371363	Not Sig
ENSG00000106541	AGR2	anterior gradient 2, protein disulphide isomerase family member	10551	5241.362376	-0.076831908	1.007684525	-0.076245994	0.939223392	0.999371363	Not Sig
ENSG00000034152	MAP2K3	mitogen-activated protein kinase kinase 3	5606	1637.725424	-0.076812721	0.419764672	-0.18298996	0.854805896	0.999371363	Not Sig
ENSG00000196371	FUT4	fucosyltransferase 4	2526	305.5981356	-0.076730436	0.461703052	-0.166190012	0.868007419	0.999371363	Not Sig
ENSG00000162613	FUBP1	far upstream element binding protein 1	8880	3111.258674	-0.076700772	0.613063367	-0.125110675	0.900435932	0.999371363	Not Sig
ENSG00000265201	MIR4677	microRNA 4677	100616343	9.514808214	-0.076271209	0.927729437	-0.082212772	0.934477517	0.999371363	Not Sig
ENSG00000198551	ZNF627	zinc finger protein 627	199692	353.6090765	-0.075842073	0.460266468	-0.164778618	0.869118234	0.999371363	Not Sig
ENSG00000165733	BMS1	BMS1, ribosome biogenesis factor	9790	1452.895857	-0.075637422	0.416458029	-0.181620757	0.855880358	0.999371363	Not Sig
ENSG00000087245	MMP2	matrix metalloproteinase 2	4313	6361.385885	-0.075619624	0.455810064	-0.165901611	0.86823438	0.999371363	Not Sig
ENSG00000177370	TIMM22	translocase of inner mitochondrial membrane 22	29928	253.4107007	-0.075583903	0.566355827	-0.133456565	0.893832313	0.999371363	Not Sig
ENSG00000196632	WNK3	WNK lysine deficient protein kinase 3	65267	27.50046886	-0.075576008	0.605498673	-0.124816142	0.900669108	0.999371363	Not Sig
ENSG00000069943	PIGB	phosphatidylinositol glycan anchor biosynthesis class B	9488	272.3189789	-0.075461155	0.537686411	-0.140344173	0.888388065	0.999371363	Not Sig
ENSG00000071537	SEL1L	SEL1L ERAD E3 ligase adaptor subunit	6400	4411.097039	-0.075212703	0.617853449	-0.121732271	0.903111055	0.999371363	Not Sig
ENSG00000218052	NA	NA	NA	10.04286268	-0.075189237	1.157223424	-0.064973829	0.948194838	0.999371363	Not Sig
ENSG00000137198	GMPR	guanosine monophosphate reductase	2766	189.3585988	-0.075177283	0.978626831	-0.076819152	0.938767415	0.999371363	Not Sig
ENSG00000186660	ZFP91	ZFP91 zinc finger protein	80829	1432.949055	-0.075095483	0.477514162	-0.157263362	0.875037294	0.999371363	Not Sig
ENSG00000244346	NA	NA	NA	22.89616361	-0.075080343	0.735285929	-0.102110404	0.918669043	0.999371363	Not Sig
ENSG00000165678	GHITM	growth hormone inducible transmembrane protein	27069	2183.073096	-0.075014248	0.527103834	-0.142313987	0.886831999	0.999371363	Not Sig
ENSG00000111341	MGP	matrix Gla protein	4256	4420.895154	-0.074965279	0.72903476	-0.102828128	0.918099381	0.999371363	Not Sig
ENSG00000221051	NA	NA	NA	6.741170599	-0.074799995	1.125964	-0.066431959	0.947033927	0.999371363	Not Sig
ENSG00000196139	AKR1C3	aldo-keto reductase family 1 member C3	8644	1098.381373	-0.074744573	0.625825854	-0.119433502	0.904931921	0.999371363	Not Sig

ENSG00000064102	INTS13	integrator complex subunit 13	55726	356.0639783	-0.07471015	0.484247263	-0.154280996	0.877388181	0.999371363	Not Sig
ENSG00000122515	ZMIZ2	zinc finger MIZ-type containing 2	83637	3266.889799	-0.074664455	0.516623054	-0.144524049	0.885086668	0.999371363	Not Sig
ENSG00000196923	PDLIM7	PDZ and LIM domain 7	9260	1170.72927	-0.074528639	0.546072978	-0.136481097	0.891440967	0.999371363	Not Sig
ENSG00000268162	NA	NA	NA	3.950544423	-0.074527773	1.537676486	-0.048467785	0.961343438	NA	NA
ENSG00000166558	SLC38A8	solute carrier family 38 member 8	146167	1.578718851	-0.074525706	1.973366186	-0.037765776	0.969874431	NA	NA
ENSG00000177706	FAM20C	FAM20C, golgi associated secretory pathway kinase	56975	1361.207718	-0.074395486	0.568216137	-0.130928147	0.895832148	0.999371363	Not Sig
ENSG00000140718	FTO	FTO, alpha-ketoglutarate dependent dioxygenase	79068	1007.874344	-0.074352238	0.425467831	-0.174754076	0.861272875	0.999371363	Not Sig
ENSG00000115750	TAF1B	TAF1-box binding protein associated factor, RNA polymerase I subunit B	9014	470.9923946	-0.074183165	0.606174159	-0.122379293	0.902598637	0.999371363	Not Sig
ENSG00000137185	ZSCAN9	zinc finger and SCAN domain containing 9	7746	327.7934779	-0.074135562	0.449411475	-0.164961436	0.868974336	0.999371363	Not Sig
ENSG00000124356	STAMBP	STAM binding protein	10617	787.4585017	-0.07410029	0.410458558	-0.180530503	0.85673611	0.999371363	Not Sig
ENSG00000228938	NA	NA	NA	1.249269854	-0.074041131	2.40023122	-0.030847499	0.975391159	NA	NA
ENSG00000242661	NA	NA	NA	1.249269854	-0.074041131	2.40023122	-0.030847499	0.975391159	NA	NA
ENSG00000198939	ZFP2	ZFP2 zinc finger protein	80108	34.3411412	-0.07395343	0.686256896	-0.107763479	0.914183314	0.999371363	Not Sig
ENSG00000155827	RNF20	ring finger protein 20	56254	1235.503969	-0.073506064	0.435472587	-0.168796075	0.865957045	0.999371363	Not Sig
ENSG00000153310	FAM49B	family with sequence similarity 49 member B	51571	1769.701624	-0.073478735	0.556701019	-0.131989582	0.894992532	0.999371363	Not Sig
ENSG00000138794	CASP6	caspase 6	839	291.6832253	-0.073466116	0.572816357	-0.128254222	0.897947791	0.999371363	Not Sig
ENSG00000160179	ABCG1	ATP binding cassette subfamily G member 1	9619	1419.700186	-0.073447711	0.686116588	-0.107048441	0.91475055	0.999371363	Not Sig
ENSG00000138134	STAMBPL1	STAM binding protein like 1	57559	258.7069849	-0.073437865	0.535587871	-0.13711637	0.890938813	0.999371363	Not Sig
ENSG00000150459	SAP18	Sin3A associated protein 18	10284	1249.136326	-0.073284789	0.523152044	-0.140083156	0.888594289	0.999371363	Not Sig
ENSG00000106034	CPED1	cadherin like and PC-esterase domain containing 1	79974	842.0875012	-0.073172159	0.754994405	-0.096917484	0.922791924	0.999371363	Not Sig
ENSG00000201793	NA	NA	NA	137.5170337	-0.073128705	0.656142222	-0.111452522	0.911257513	0.999371363	Not Sig
ENSG00000178921	PFAS	phosphoribosylformylglycinamide synthase	5198	637.8129203	-0.072756157	0.41905883	-0.173618002	0.862165684	0.999371363	Not Sig
ENSG00000100387	RBX1	ring-box 1	9978	242.2525106	-0.072613755	0.51990075	-0.139668494	0.88892192	0.999371363	Not Sig
ENSG00000160563	MED27	mediator complex subunit 27	9442	183.7214856	-0.072478845	0.452176192	-0.160288945	0.872653467	0.999371363	Not Sig
ENSG00000137491	SLC02B1	solute carrier organic anion transporter family member 2B1	11309	3190.766863	-0.072438411	0.78709979	-0.092032055	0.926672572	0.999371363	Not Sig
ENSG00000180488	MIGA1	mitoguardin 1	374986	740.5044655	-0.072397696	0.582381958	-0.124313082	0.901067389	0.999371363	Not Sig
ENSG00000175155	YPEL2	yippee like 2	388403	1042.777881	-0.072360185	0.436035418	-0.165950246	0.868196105	0.999371363	Not Sig
ENSG00000159592	GPBP1L1	GC-rich promoter binding protein 1 like 1	60313	3441.990213	-0.072125757	0.502173257	-0.143627236	0.885794832	0.999371363	Not Sig
ENSG00000257267	ZNF271P	zinc finger protein 271, pseudogene	10778	469.361659	-0.071894332	0.42405528	-0.169539999	0.865371913	0.999371363	Not Sig
ENSG00000162618	ADGRL4	adhesion G protein-coupled receptor L4	64123	288.5970745	-0.071845668	0.594839878	-0.120781525	0.903864084	0.999371363	Not Sig
ENSG00000185787	MORF4L1	mortality factor 4 like 1	10933	4459.376104	-0.071740163	0.4177119	-0.171745557	0.863637569	0.999371363	Not Sig
ENSG00000263873	NA	NA	NA	0.887926333	-0.071728548	3.115731862	-0.023021412	0.981633193	NA	NA
ENSG00000089902	RCOR1	REST corepressor 1	23186	1688.189113	-0.071639943	0.429430301	-0.166825542	0.86750732	0.999371363	Not Sig
ENSG00000146872	TLK2	tousled like kinase 2	11011	1353.498084	-0.071348537	0.445887539	-0.160014647	0.872869537	0.999371363	Not Sig
ENSG00000250472	NA	NA	NA	1.883574819	-0.071001199	2.606999651	-0.027234833	0.978272434	NA	NA

ENSG00000170502	NUDT9	nudix hydrolase 9	53343	528.6034223	-0.070773676	0.418057793	-0.169291607	0.865567277	0.999371363	Not Sig
ENSG00000087086	FTL	ferritin light chain	2512	43793.28065	-0.070667026	0.743409872	-0.09505796	0.92426879	0.999371363	Not Sig
ENSG00000108786	HSD17B1	hydroxysteroid 17-beta dehydrogenase 1	3292	32.31153012	-0.070610411	0.602237034	-0.117246877	0.906664421	0.999371363	Not Sig
ENSG00000230191	NA	NA	NA	0.955440255	-0.070415588	2.621558821	-0.026860198	0.97857124	NA	NA
ENSG00000187391	MAGI2	membrane associated guanylate kinase, WW and PDZ domain containing 2	9863	288.7582262	-0.070401889	0.590440513	-0.11923621	0.90508822	0.999371363	Not Sig
ENSG00000173137	ADCK5	aarF domain containing kinase 5	203054	278.9446222	-0.070277388	0.632579708	-0.111096495	0.911539828	0.999371363	Not Sig
ENSG00000071082	RPL31	ribosomal protein L31	6160	3832.580524	-0.070235138	0.439461011	-0.15982109	0.87302201	0.999371363	Not Sig
ENSG00000264567	NA	NA	NA	2.323735212	-0.070210236	1.568644397	-0.044758542	0.964299771	NA	NA
ENSG00000183648	NDUFB1	NADH:ubiquinone oxidoreductase subunit B1	4707	399.1543899	-0.070110267	0.451508332	-0.155280117	0.87660049	0.999371363	Not Sig
ENSG00000160959	LRRC14	leucine rich repeat containing 14	9684	747.3495014	-0.070091499	0.568878641	-0.123209932	0.901940861	0.999371363	Not Sig
ENSG00000167258	CDK12	cyclin dependent kinase 12	51755	2986.822246	-0.06996949	0.444545651	-0.157395512	0.87493315	0.999371363	Not Sig
ENSG00000164270	HTR4	5-hydroxytryptamine receptor 4	3360	9.478457488	-0.069860243	1.230113734	-0.056791694	0.95471113	0.999371363	Not Sig
ENSG00000103184	SEC14L5	SEC14 like lipid binding 5	9717	17.54078389	-0.069832215	1.036841666	-0.067350896	0.94630236	0.999371363	Not Sig
ENSG00000110422	HIPK3	homeodomain interacting protein kinase 3	10114	5859.726387	-0.069789826	0.43382538	-0.160870776	0.87219518	0.999371363	Not Sig
ENSG00000164040	PGRMC2	progesterone receptor membrane component 2	10424	1254.516313	-0.069720596	0.433361106	-0.160883372	0.872185259	0.999371363	Not Sig
ENSG00000213809	KLRK1	killer cell lectin like receptor K1	22914	15.31470133	-0.069706609	1.100486321	-0.063341641	0.949494458	0.999371363	Not Sig
ENSG00000213809	KLRC4-KLRK1	KLRC4-KLRK1 readthrough	100528032	15.31470133	-0.069706609	1.100486321	-0.063341641	0.949494458	0.999371363	Not Sig
ENSG00000233930	KRTAP5-AS1	KRTAP5-1/KRTAP5-2 antisense RNA 1	338651	105.3931322	-0.06956487	0.524753516	-0.132566753	0.894536028	0.999371363	Not Sig
ENSG00000165283	STOML2	stomatin like 2	30968	702.3128242	-0.069351544	0.494810042	-0.140157916	0.888535222	0.999371363	Not Sig
ENSG00000260954	NA	NA	NA	8.488272982	-0.069288494	0.939837222	-0.07372393	0.941230057	0.999371363	Not Sig
ENSG00000254561	LOC105369520	uncharacterized LOC105369520	105369520	3.022409859	-0.069106401	1.971013915	-0.035061346	0.972030824	NA	NA
ENSG00000272604	NA	NA	NA	13.49265281	-0.069068368	0.794113497	-0.086975437	0.930691037	0.999371363	Not Sig
ENSG00000182902	SLC25A18	solute carrier family 25 member 18	83733	21.67407122	-0.069066419	1.240059474	-0.055696054	0.955583943	0.999371363	Not Sig
ENSG00000013375	PGM3	phosphoglucomutase 3	5238	1469.827448	-0.069025968	0.660370613	-0.104526106	0.916751852	0.999371363	Not Sig
ENSG00000198358	LOC101928372	uncharacterized LOC101928372	101928372	0.594096734	-0.068797877	3.542046439	-0.0194232	0.984503503	NA	NA
ENSG00000239722	NA	NA	NA	0.594096734	-0.068797877	3.542046439	-0.0194232	0.984503503	NA	NA
ENSG00000259368	NA	NA	NA	0.594096734	-0.068797877	3.542046439	-0.0194232	0.984503503	NA	NA
ENSG00000011600	TYROBP	TYRO protein tyrosine kinase binding protein	7305	981.8733652	-0.068733752	0.947197466	-0.072565388	0.94215197	0.999371363	Not Sig
ENSG00000181104	F2R	coagulation factor II thrombin receptor	2149	1452.151413	-0.068729729	0.496623843	-0.138393937	0.889929089	0.999371363	Not Sig
ENSG00000120159	CAAP1	caspase activity and apoptosis inhibitor 1	79886	349.7402551	-0.068563633	0.562333088	-0.121927082	0.902956767	0.999371363	Not Sig
ENSG00000181929	PRKAG1	protein kinase AMP-activated non-catalytic subunit gamma 1	5571	618.8945159	-0.068556323	0.413255082	-0.165893478	0.86824078	0.999371363	Not Sig
ENSG00000164134	NAA15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	80155	1467.602434	-0.068493738	0.531518286	-0.128864311	0.897465017	0.999371363	Not Sig
ENSG00000122034	GTF3A	general transcription factor IIIA	2971	1146.154619	-0.068458465	0.538756121	-0.127067633	0.898886869	0.999371363	Not Sig
ENSG00000124831	LRRFIP1	LRR binding FLII interacting protein 1	9208	5015.392979	-0.068360555	0.528699097	-0.12929955	0.897120627	0.999371363	Not Sig
ENSG00000222455	NA	NA	NA	12.45199181	-0.068347017	0.973759799	-0.070188785	0.944043401	0.999371363	Not Sig

ENSG00000159210	SNF8	SNF8, ESCRT-II complex subunit	11267	621.691707	-0.068300005	0.405931323	-0.168255074	0.866382615	0.999371363	Not Sig
ENSG00000141627	DYM	dymeclin	54808	911.0667338	-0.068285488	0.432085006	-0.158037161	0.874427516	0.999371363	Not Sig
ENSG00000112851	ERBIN	erbb2 interacting protein	55914	4874.637055	-0.068237884	0.580078621	-0.117635578	0.906356413	0.999371363	Not Sig
ENSG00000139291	TMEM19	transmembrane protein 19	55266	411.6593688	-0.06822542	0.448017171	-0.152283047	0.878963695	0.999371363	Not Sig
ENSG00000214534	ZNF705E	zinc finger protein 705E	100131539	7.34999649	-0.068190974	1.118245776	-0.06098031	0.951374891	0.999371363	Not Sig
ENSG00000211665	NA	NA	NA	3.48959936	-0.068132663	1.504751779	-0.04527834	0.963885452	NA	NA
ENSG00000094914	AAAS	aladin WD repeat nucleoporin	8086	509.3370095	-0.068076499	0.426001161	-0.159803554	0.873035824	0.999371363	Not Sig
ENSG00000226396	NA	NA	NA	28.2192766	-0.067922154	0.582660448	-0.116572447	0.907198873	0.999371363	Not Sig
ENSG00000100249	C22orf31	chromosome 22 open reading frame 31	25770	2.766912319	-0.067895372	1.663302927	-0.040819607	0.967439708	NA	NA
ENSG00000185909	KLHDC8B	kelch domain containing 8B	200942	500.0980719	-0.067893317	0.508316048	-0.133565166	0.893746431	0.999371363	Not Sig
ENSG00000217128	FNIP1	folliculin interacting protein 1	96459	1377.710852	-0.067888454	0.557089387	-0.121862767	0.903007703	0.999371363	Not Sig
ENSG00000231169	NA	NA	NA	1.816321187	-0.067888232	1.931861928	-0.035141348	0.971967031	NA	NA
ENSG00000223547	ZNF844	zinc finger protein 844	284391	409.249096	-0.067884819	0.554257923	-0.122478752	0.902519873	0.999371363	Not Sig
ENSG00000154188	ANGPT1	angiopoietin 1	284	649.9185825	-0.06777557	0.725392008	-0.093433026	0.925559555	0.999371363	Not Sig
ENSG00000167716	WDR81	WD repeat domain 81	124997	1398.110294	-0.067721377	0.619653471	-0.109289111	0.912973183	0.999371363	Not Sig
ENSG00000207136	NA	NA	NA	4.573087668	-0.06770711	1.842959188	-0.036738258	0.970693704	NA	NA
ENSG00000133612	AGAP3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	116988	2173.803332	-0.067565852	0.620907327	-0.108817933	0.9133469	0.999371363	Not Sig
ENSG00000258634	NA	NA	NA	215.1515858	-0.06750665	0.560345874	-0.120473182	0.904108323	0.999371363	Not Sig
ENSG00000142528	ZNF473	zinc finger protein 473	25888	235.7812118	-0.067457636	0.466178348	-0.144703494	0.884944498	0.999371363	Not Sig
ENSG00000101452	DHX35	DEAH-box helicase 35	60625	356.0669337	-0.067338676	0.413506491	-0.16284793	0.870638169	0.999371363	Not Sig
ENSG00000125675	GRIA3	glutamate ionotropic receptor AMPA type subunit 3	2892	11.82322676	-0.067331062	0.896477616	-0.075106239	0.940130184	0.999371363	Not Sig
ENSG00000122862	SRGN	serglycin	5552	2603.062414	-0.067320067	0.588234004	-0.114444364	0.908885548	0.999371363	Not Sig
ENSG00000255284	LOC171391	uncharacterized LOC171391	171391	74.63326752	-0.067267339	0.550646777	-0.122160596	0.902771832	0.999371363	Not Sig
ENSG00000183624	HMCES	5-hydroxymethylcytosine (hmC) binding, ES cell-specific	56941	611.8840598	-0.067191718	0.43773664	-0.153498043	0.878005533	0.999371363	Not Sig
ENSG00000174915	PTDSS2	phosphatidylserine synthase 2	81490	514.5238925	-0.067188119	0.588733441	-0.114123157	0.909140166	0.999371363	Not Sig
ENSG00000179295	PTPN11	protein tyrosine phosphatase, non-receptor type 11	5781	3586.904087	-0.067125585	0.413163206	-0.162467482	0.870937734	0.999371363	Not Sig
ENSG00000151893	CACUL1	CDK2 associated cullin domain 1	143384	1877.570197	-0.067106838	0.537450892	-0.124861339	0.900633326	0.999371363	Not Sig
ENSG00000198836	OPA1	OPA1, mitochondrial dynamin like GTPase	4976	2030.633248	-0.06709514	0.515643788	-0.130119167	0.896472146	0.999371363	Not Sig
ENSG00000100439	ABHD4	abhydrolase domain containing 4	63874	686.5673085	-0.067086989	0.491730403	-0.136430428	0.891481021	0.999371363	Not Sig
ENSG00000099917	MED15	mediator complex subunit 15	51586	2351.195329	-0.066927732	0.493231415	-0.135692354	0.892064492	0.999371363	Not Sig
ENSG00000260630	SNAI3-AS1	SNAI3 antisense RNA 1	197187	70.80039783	-0.066921958	0.693488044	-0.096500522	0.923123059	0.999371363	Not Sig
ENSG00000103187	COTL1	coactosin like F-actin binding protein 1	23406	2178.82609	-0.066920118	0.805702449	-0.083058104	0.933805339	0.999371363	Not Sig
ENSG00000172716	SLFN11	schlafen family member 11	91607	1500.568077	-0.066755622	0.578807956	-0.115332937	0.908181233	0.999371363	Not Sig
ENSG00000132718	SYT11	synaptotagmin 11	23208	477.4339826	-0.066719761	0.716123289	-0.093167981	0.925770111	0.999371363	Not Sig
ENSG00000173011	TADA2B	transcriptional adaptor 2B	93624	888.8601078	-0.066635793	0.486785352	-0.136889479	0.891118155	0.999371363	Not Sig

ENSG00000168781	PPIP5K1	diphosphoinositol pentakisphosphate kinase 1	9677	280.0416353	-0.066587219	0.510917461	-0.13032872	0.896306359	0.999371363	Not Sig
ENSG00000265727	NA	NA	NA	185.7040091	-0.066566311	0.634248317	-0.104953074	0.916413044	0.999371363	Not Sig
ENSG00000212719	C17orf51	chromosome 17 open reading frame 51	339263	114.4077416	-0.066390621	0.71209844	-0.093232364	0.925718964	0.999371363	Not Sig
ENSG00000176444	CLK2	CDC like kinase 2	1196	1084.815077	-0.066379795	0.477666748	-0.138966748	0.889476425	0.999371363	Not Sig
ENSG00000263693	MIR3161	microRNA 3161	100423000	12.05800105	-0.066350888	0.836584624	-0.079311628	0.936784758	0.999371363	Not Sig
ENSG00000182168	UNC5C	unc-5 netrin receptor C	8633	358.8789135	-0.066276881	0.487572472	-0.135932369	0.891874746	0.999371363	Not Sig
ENSG00000072864	NDE1	nudE neurodevelopment protein 1	54820	837.4888151	-0.06622329	0.483736965	-0.136899378	0.891110331	0.999371363	Not Sig
ENSG00000188599	NA	NA	NA	46.02414336	-0.066145732	0.627125628	-0.105474453	0.915999341	0.999371363	Not Sig
ENSG00000219902	NA	NA	NA	12.43304427	-0.066143897	0.796117289	-0.083083105	0.933785459	0.999371363	Not Sig
ENSG00000152092	ASTN1	astrotactin 1	460	11.74755385	-0.066043853	1.038198731	-0.063613884	0.949277677	0.999371363	Not Sig
ENSG00000146350	TBC1D32	TBC1 domain family member 32	221322	327.6469309	-0.065980762	0.797135074	-0.082772374	0.934032536	0.999371363	Not Sig
ENSG00000186010	NDUFA13	NADH:ubiquinone oxidoreductase subunit A13	51079	56.04770034	-0.065904597	0.673835384	-0.097805189	0.922086987	0.999371363	Not Sig
ENSG00000229384	NA	NA	NA	2.47308272	-0.065838026	1.723476497	-0.03820071	0.969527655	NA	NA
ENSG00000204717	NA	NA	NA	1.284889252	-0.065732877	2.431386657	-0.027035139	0.978431707	NA	NA
ENSG00000213465	ARL2	ADP ribosylation factor like GTPase 2	402	278.9333565	-0.065720805	0.68917916	-0.095360987	0.924028102	0.999371363	Not Sig
ENSG00000130414	NDUFA10	NADH:ubiquinone oxidoreductase subunit A10	4705	1527.352044	-0.065669525	0.41987735	-0.156401684	0.87571641	0.999371363	Not Sig
ENSG00000170779	CDCA4	cell division cycle associated 4	55038	268.0733728	-0.065488391	0.66824274	-0.098000902	0.921931577	0.999371363	Not Sig
ENSG00000047315	POLR2B	RNA polymerase II subunit B	5431	2340.246703	-0.065344163	0.493511385	-0.132406596	0.894662698	0.999371363	Not Sig
ENSG00000173653	RCE1	Ras converting CAAX endopeptidase 1	9986	272.58856	-0.06532951	0.587403741	-0.111217388	0.911443963	0.999371363	Not Sig
ENSG00000050327	ARHGEF5	Rho guanine nucleotide exchange factor 5	7984	979.9703735	-0.065295266	0.611959216	-0.106698722	0.915027997	0.999371363	Not Sig
ENSG00000050327	LOC102725117	rho guanine nucleotide exchange factor 5-like	102725117	979.9703735	-0.065295266	0.611959216	-0.106698722	0.915027997	0.999371363	Not Sig
ENSG00000118939	UCHL3	ubiquitin C-terminal hydrolase L3	7347	57.42415231	-0.065127254	0.953786721	-0.068282828	0.945560494	0.999371363	Not Sig
ENSG00000071127	WDR1	WD repeat domain 1	9948	5293.164207	-0.064981467	0.477555415	-0.136071051	0.891765113	0.999371363	Not Sig
ENSG00000260766	NA	NA	NA	68.46469427	-0.0649225	0.683774745	-0.094947204	0.924356763	0.999371363	Not Sig
ENSG00000079691	CARMIL1	capping protein regulator and myosin 1 linker 1	55604	1140.704584	-0.064685045	0.493057758	-0.131191617	0.895623727	0.999371363	Not Sig
ENSG00000136816	TOR1B	torsin family 1 member B	27348	516.9071491	-0.064577144	0.516570108	-0.125011384	0.900514538	0.999371363	Not Sig
ENSG00000136933	RABEPK	Rab9 effector protein with kelch motifs	10244	225.3083446	-0.064516469	0.496625712	-0.129909643	0.896637915	0.999371363	Not Sig
ENSG00000116809	ZBTB17	zinc finger and BTB domain containing 17	7709	681.6731166	-0.064159547	0.550717359	-0.11650177	0.907254883	0.999371363	Not Sig
ENSG00000118181	RPS25	ribosomal protein S25	6230	3851.839947	-0.064042101	0.525405065	-0.121890909	0.902985415	0.999371363	Not Sig
ENSG00000188290	HES4	hes family bHLH transcription factor 4	57801	462.4574029	-0.064022709	0.611720111	-0.104660135	0.916645496	0.999371363	Not Sig
ENSG00000250220	NA	NA	NA	33.59290069	-0.064006246	0.666488686	-0.096035007	0.923492769	0.999371363	Not Sig
ENSG00000134698	AGO4	argonaute 4, RISC catalytic component	192670	1531.077524	-0.063963487	0.428444144	-0.149292476	0.881322852	0.999371363	Not Sig
ENSG00000110756	HPS5	HPS5, biogenesis of lysosomal organelles complex 2 subunit 2	11234	1126.993469	-0.06382897	0.510562051	-0.125017067	0.900510039	0.999371363	Not Sig
ENSG00000184056	VPS33B	VPS33B, late endosome and lysosome associated	26276	304.8100002	-0.063824263	0.438666774	-0.145496004	0.88431927	0.999371363	Not Sig
ENSG00000262172	NA	NA	NA	22.98827733	-0.063818831	0.797910143	-0.079982479	0.936251191	0.999371363	Not Sig

ENSG00000198815	FOXJ3	forkhead box J3	22887	1725.360314	-0.063732628	0.543627092	-0.11723593	0.906673096	0.999371363	Not Sig
ENSG00000083067	TRPM3	transient receptor potential cation channel subfamily M member 3	80036	11.19535933	-0.063729719	1.03184075	-0.061763134	0.950751462	0.999371363	Not Sig
ENSG00000168564	CDKN2AIP	CDKN2A interacting protein	55602	376.8367235	-0.063632449	0.437255782	-0.145526832	0.884294932	0.999371363	Not Sig
ENSG00000207719	MIR623	microRNA 623	693208	10.81568931	-0.063536735	0.859253252	-0.073944131	0.94105484	0.999371363	Not Sig
ENSG00000130956	HABP4	hyaluronan binding protein 4	22927	335.712646	-0.063460468	0.561565741	-0.113006302	0.910025559	0.999371363	Not Sig
ENSG00000233170	NA	NA	NA	8.245517471	-0.063459644	0.959326278	-0.066150219	0.947258229	0.999371363	Not Sig
ENSG00000235257	ITGA9-AS1	ITGA9 antisense RNA 1	101928153	70.36247689	-0.063306877	0.592723201	-0.106806814	0.914942242	0.999371363	Not Sig
ENSG00000164197	RNF180	ring finger protein 180	285671	293.9994355	-0.06324898	0.445877336	-0.14185287	0.887196222	0.999371363	Not Sig
ENSG00000137522	RNF121	ring finger protein 121	55298	486.8597632	-0.063033464	0.421816143	-0.149433502	0.881211577	0.999371363	Not Sig
ENSG00000134780	DAGLA	diacylglycerol lipase alpha	747	343.3283778	-0.063028046	0.687671805	-0.091654253	0.926972745	0.999371363	Not Sig
ENSG00000237301	NA	NA	NA	9.415499826	-0.062995	0.907340049	-0.069428215	0.944648771	0.999371363	Not Sig
ENSG00000114982	KANSL3	KAT8 regulatory NSL complex subunit 3	55683	2072.823541	-0.062975073	0.42635313	-0.147706369	0.882574505	0.999371363	Not Sig
ENSG00000263072	NA	NA	NA	179.522928	-0.062786686	0.456723969	-0.137471844	0.890657847	0.999371363	Not Sig
ENSG00000125835	SNRPB	small nuclear ribonucleoprotein polypeptides B and B1	6628	995.1004021	-0.062742423	0.479349182	-0.130890853	0.89586165	0.999371363	Not Sig
ENSG00000272269	LOC105374952	uncharacterized LOC105374952	105374952	16.21852688	-0.06252271	0.750951234	-0.083258016	0.933646383	0.999371363	Not Sig
ENSG00000137273	FOXF2	forkhead box F2	2295	380.1129297	-0.062377949	0.774103451	-0.080580895	0.935775261	0.999371363	Not Sig
ENSG00000244398	NA	NA	NA	16.11520518	-0.062323159	0.749603102	-0.083141544	0.933738993	0.999371363	Not Sig
ENSG00000131724	IL13RA1	interleukin 13 receptor subunit alpha 1	3597	2952.541699	-0.062231357	0.560400521	-0.111047999	0.911578284	0.999371363	Not Sig
ENSG00000100991	TRPC4AP	transient receptor potential cation channel subfamily C member 4 associated protein	26133	2113.711328	-0.062226413	0.420537117	-0.147968896	0.882367315	0.999371363	Not Sig
ENSG00000143933	CALM2	calmodulin 2	805	6027.820515	-0.062210854	0.523887597	-0.118748477	0.905474629	0.999371363	Not Sig
ENSG00000241230	NA	NA	NA	12.07531023	-0.06216887	0.868643379	-0.071570073	0.942944058	0.999371363	Not Sig
ENSG00000059573	ALDH18A1	aldehyde dehydrogenase 18 family member A1	5832	1591.118442	-0.062066611	0.660346758	-0.093990938	0.925116355	0.999371363	Not Sig
ENSG00000048649	RSF1	remodeling and spacing factor 1	51773	2886.638154	-0.062024809	0.435059717	-0.142566196	0.886632796	0.999371363	Not Sig
ENSG00000170234	PWWP2A	PWWP domain containing 2A	114825	814.3403712	-0.061942461	0.436400638	-0.141939437	0.887127844	0.999371363	Not Sig
ENSG00000144802	NFKBIZ	NFKB inhibitor zeta	64332	3125.496794	-0.061824155	0.48360089	-0.127841277	0.898274584	0.999371363	Not Sig
ENSG00000095585	BLNK	B-cell linker	29760	253.8913444	-0.061804415	0.747753435	-0.082653469	0.934127085	0.999371363	Not Sig
ENSG00000055130	CUL1	cullin 1	8454	1560.884855	-0.061766017	0.436646967	-0.141455275	0.88751029	0.999371363	Not Sig
ENSG00000138834	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	23162	2252.410084	-0.061733544	0.455240438	-0.13560646	0.892132398	0.999371363	Not Sig
ENSG00000135441	BLOC1S1	biogenesis of lysosomal organelles complex 1 subunit 1	2647	202.133608	-0.061393568	0.541652941	-0.113344845	0.909757165	0.999371363	Not Sig
ENSG00000269904	MAP2K4P1	mitogen-activated protein kinase kinase 4 pseudogene 1	139201	4.494547377	-0.061305675	1.14296533	-0.053637388	0.957224068	NA	NA
ENSG00000114395	CYB561D2	cytochrome b561 family member D2	11068	188.0214623	-0.061210344	0.516252011	-0.118566791	0.905618577	0.999371363	Not Sig
ENSG00000204604	ZNF468	zinc finger protein 468	90333	536.6559349	-0.061159977	0.636274013	-0.096122073	0.92342362	0.999371363	Not Sig
ENSG00000228293	NA	NA	NA	0.96187779	-0.061016313	2.325443511	-0.02623857	0.979067052	NA	NA
ENSG00000258016	NA	NA	NA	0.96187779	-0.061016313	2.325443511	-0.02623857	0.979067052	NA	NA
ENSG00000108352	RAPGEFL1	Rap guanine nucleotide exchange factor like 1	51195	212.1938235	-0.060907466	0.64792714	-0.094003573	0.925106318	0.999371363	Not Sig

ENSG00000198771	RCS D1	RCS D domain containing 1	92241	659.498513	-0.060873908	0.83837755	-0.072609182	0.94211712	0.999371363	Not Sig
ENSG00000121274	PAPD5	poly(A) RNA polymerase D5, non-canonical	64282	645.5533702	-0.06077907	0.50586111	-0.120149719	0.904364548	0.999371363	Not Sig
ENSG00000013523	ANGEL1	angel homolog 1	23357	823.1134013	-0.060771256	0.487102841	-0.124760628	0.900713058	0.999371363	Not Sig
ENSG00000154723	ATP5J	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit F6	522	501.7685003	-0.060710449	0.469727759	-0.129246032	0.897162973	0.999371363	Not Sig
ENSG00000162076	FLYWCH2	FLYWCH family member 2	114984	374.2227148	-0.060656903	0.629690678	-0.096328094	0.923259999	0.999371363	Not Sig
ENSG00000167721	TSR1	TSR1, ribosome maturation factor	55720	955.3558543	-0.060539721	0.445431745	-0.135912452	0.891890491	0.999371363	Not Sig
ENSG00000178988	MRFAP1L1	Morf4 family associated protein 1 like 1	114932	1094.656417	-0.060444145	0.443594683	-0.13625985	0.891615863	0.999371363	Not Sig
ENSG00000200783	NA	NA	NA	14.37212191	-0.060416726	0.81362719	-0.074256032	0.940806662	0.999371363	Not Sig
ENSG00000160593	JAML	junction adhesion molecule like	120425	809.0559583	-0.060365652	0.904048682	-0.066772568	0.946762763	0.999371363	Not Sig
ENSG00000155876	RRAGA	Ras related GTP binding A	10670	789.5783035	-0.060364288	0.582001751	-0.103718396	0.917392827	0.999371363	Not Sig
ENSG00000151287	TEX30	testis expressed 30	93081	49.57707976	-0.060157014	0.549537701	-0.109468403	0.912830982	0.999371363	Not Sig
ENSG00000165819	METTL3	methyltransferase like 3	56339	864.6976522	-0.059964113	0.422910115	-0.141789262	0.887246466	0.999371363	Not Sig
ENSG00000224967	NA	NA	NA	17.68564427	-0.059873495	0.685858729	-0.087297124	0.93043534	0.999371363	Not Sig
ENSG00000161057	PSMC2	proteasome 26S subunit, ATPase 2	5701	1018.756091	-0.059646604	0.39958379	-0.149271832	0.881339141	0.999371363	Not Sig
ENSG00000205089	CCNI2	cyclin I family member 2	645121	23.90396946	-0.059464369	0.791164513	-0.075160561	0.940086963	0.999371363	Not Sig
ENSG00000256615	NA	NA	NA	24.17916949	-0.059361226	1.192288768	-0.049787625	0.960291629	0.999371363	Not Sig
ENSG00000226803	NA	NA	NA	7.601780344	-0.059358505	1.004147448	-0.059113335	0.952861837	0.999371363	Not Sig
ENSG00000167977	KCTD5	potassium channel tetramerization domain containing 5	54442	614.7403583	-0.059331215	0.490797623	-0.120887332	0.903780277	0.999371363	Not Sig
ENSG00000165782	PIP4P1	phosphatidylinositol-4,5-bisphosphate 4-phosphatase 1	90809	466.4413645	-0.059313635	0.455387511	-0.130248709	0.896369659	0.999371363	Not Sig
ENSG00000104497	SNX16	sorting nexin 16	64089	176.4568206	-0.058957831	0.549859291	-0.107223489	0.914611682	0.999371363	Not Sig
ENSG00000196914	ARHGEF12	Rho guanine nucleotide exchange factor 12	23365	8322.885313	-0.058932031	0.392157897	-0.150276282	0.880546645	0.999371363	Not Sig
ENSG00000183955	KMT5A	lysine methyltransferase 5A	387893	796.3006821	-0.058799291	0.407000997	-0.144469648	0.885129623	0.999371363	Not Sig
ENSG00000003436	TFPI	tissue factor pathway inhibitor	7035	6290.047545	-0.058681029	0.595209909	-0.098588797	0.921464765	0.999371363	Not Sig
ENSG00000006695	COX10	COX10, heme A:farnesyltransferase cytochrome c oxidase assembly factor	1352	292.2165617	-0.058548662	0.459655166	-0.127375185	0.898643455	0.999371363	Not Sig
ENSG00000140265	ZSCAN29	zinc finger and SCAN domain containing 29	146050	768.3769453	-0.058491463	0.409558934	-0.142815742	0.886435704	0.999371363	Not Sig
ENSG00000101138	CSTF1	cleavage stimulation factor subunit 1	1477	401.4458438	-0.058377406	0.449232814	-0.129949113	0.896606687	0.999371363	Not Sig
ENSG00000260992	NA	NA	NA	23.85542409	-0.058177297	0.684730123	-0.084963835	0.932290142	0.999371363	Not Sig
ENSG00000233266	NA	NA	NA	17.20668078	-0.058117165	0.806562365	-0.072055388	0.942557829	0.999371363	Not Sig
ENSG00000270015	NA	NA	NA	140.5499461	-0.058061423	0.451647988	-0.128554592	0.897710098	0.999371363	Not Sig
ENSG00000166887	VPS39	VPS39, HOPS complex subunit	23339	2093.735389	-0.057888472	0.398414746	-0.145297011	0.884476374	0.999371363	Not Sig
ENSG00000164111	ANXA5	annexin A5	308	5051.963645	-0.057823671	0.443317146	-0.130434095	0.896222993	0.999371363	Not Sig
ENSG00000130653	PNPLA7	patatin like phospholipase domain containing 7	375775	339.4984238	-0.057761857	0.753395896	-0.076668664	0.938887133	0.999371363	Not Sig
ENSG00000100678	SLC8A3	solute carrier family 8 member A3	6547	55.35577475	-0.057673971	0.93474121	-0.061700469	0.950801366	0.999371363	Not Sig
ENSG00000135108	FBXO21	F-box protein 21	23014	1521.745653	-0.057660805	0.436690318	-0.132040492	0.894952264	0.999371363	Not Sig
ENSG00000051009	FAM160A2	family with sequence similarity 160 member A2	84067	1118.454637	-0.057255201	0.446677236	-0.128180252	0.898006328	0.999371363	Not Sig

ENSG00000174780	SRP72	signal recognition particle 72	6731	2031.374216	-0.057221006	0.504053549	-0.11352168	0.909616976	0.999371363	Not Sig
ENSG00000115970	THADA	THADA, armadillo repeat containing	63892	1701.659185	-0.057081721	0.443117483	-0.128818481	0.897501281	0.999371363	Not Sig
ENSG00000134709	HOOK1	hook microtubule tethering protein 1	51361	996.590136	-0.057028486	0.785458918	-0.072605307	0.942120204	0.999371363	Not Sig
ENSG00000130714	POMT1	protein O-mannosyltransferase 1	10585	669.9958633	-0.056947854	0.510049043	-0.111651723	0.911099559	0.999371363	Not Sig
ENSG00000228643	NA	NA	NA	6.116048695	-0.056894227	1.257852419	-0.045231242	0.963922992	NA	NA
ENSG00000130208	APOC1	apolipoprotein C1	341	1505.703424	-0.056754546	0.94775498	-0.059883142	0.952248707	0.999371363	Not Sig
ENSG00000250195	LOC105377448	uncharacterized LOC105377448	105377448	5.265728888	-0.056725381	1.174891713	-0.04828137	0.961492002	NA	NA
ENSG00000108669	CYTH1	cytohesin 1	9267	3125.47936	-0.056714621	0.492006702	-0.115272051	0.908229491	0.999371363	Not Sig
ENSG00000146083	RNF44	ring finger protein 44	22838	1824.086118	-0.056695982	0.45938939	-0.123415958	0.901777721	0.999371363	Not Sig
ENSG00000163823	CCR1	C-C motif chemokine receptor 1	1230	695.3154166	-0.056691716	0.858464784	-0.066038488	0.947347184	0.999371363	Not Sig
ENSG00000132912	DCTN4	dynactin subunit 4	51164	1511.699135	-0.056475936	0.466187373	-0.121144286	0.903576752	0.999371363	Not Sig
ENSG00000136738	STAM	signal transducing adaptor molecule	8027	679.3759864	-0.056088945	0.542701484	-0.103351376	0.917684102	0.999371363	Not Sig
ENSG00000155561	NUP205	nucleoporin 205	23165	1821.48171	-0.05588553	0.488439377	-0.114416512	0.908907625	0.999371363	Not Sig
ENSG00000254612	NA	NA	NA	11.47547403	-0.055851902	0.928055228	-0.060181658	0.952010954	0.999371363	Not Sig
ENSG00000123636	BAZ2B	bromodomain adjacent to zinc finger domain 2B	29994	3517.587612	-0.055804845	0.538971851	-0.103539442	0.917534848	0.999371363	Not Sig
ENSG00000202169	NA	NA	NA	0.661610655	-0.055800099	3.447243966	-0.016186873	0.987085308	NA	NA
ENSG00000211674	NA	NA	NA	0.661610655	-0.055800099	3.447243966	-0.016186873	0.987085308	NA	NA
ENSG00000225146	NA	NA	NA	0.661610655	-0.055800099	3.447243966	-0.016186873	0.987085308	NA	NA
ENSG00000244124	NA	NA	NA	0.661610655	-0.055800099	3.447243966	-0.016186873	0.987085308	NA	NA
ENSG00000147099	HDAC8	histone deacetylase 8	55869	494.8064835	-0.055717691	0.665668577	-0.083701849	0.933293487	0.999371363	Not Sig
ENSG00000197921	HES5	hes family bHLH transcription factor 5	388585	11.24758623	-0.055659057	1.000179012	-0.055649095	0.955621353	0.999371363	Not Sig
ENSG00000117472	TSPAN1	tetraspanin 1	10103	991.7139998	-0.055632531	0.66717388	-0.083385355	0.933545133	0.999371363	Not Sig
ENSG00000101464	PIGU	phosphatidylinositol glycan anchor biosynthesis class U	128869	357.264118	-0.055518248	0.489555642	-0.113405389	0.909709167	0.999371363	Not Sig
ENSG00000232713	NA	NA	NA	9.807924147	-0.055475582	1.02979147	-0.053870695	0.957038185	0.999371363	Not Sig
ENSG00000267990	NA	NA	NA	4.552113661	-0.055416283	1.873494447	-0.029579102	0.976402733	NA	NA
ENSG00000265465	MIR4768	microRNA 4768	100616249	6.227866968	-0.055308347	1.138989876	-0.048559121	0.961270648	NA	NA
ENSG00000130723	PRRC2B	proline rich coiled-coil 2B	84726	8839.603504	-0.055164965	0.495525653	-0.111326153	0.911357717	0.999371363	Not Sig
ENSG00000050405	LIMA1	LIM domain and actin binding 1	51474	2029.040298	-0.054719406	0.456226801	-0.119939043	0.904531436	0.999371363	Not Sig
ENSG00000256590	NA	NA	NA	1.045283496	-0.054532706	2.299451597	-0.023715527	0.981079521	NA	NA
ENSG00000265826	NA	NA	NA	1.045283496	-0.054532706	2.299451597	-0.023715527	0.981079521	NA	NA
ENSG00000269082	NA	NA	NA	1.045283496	-0.054532706	2.299451597	-0.023715527	0.981079521	NA	NA
ENSG00000170260	ZNF212	zinc finger protein 212	7988	315.0003805	-0.054434371	0.49212995	-0.11060975	0.911925816	0.999371363	Not Sig
ENSG00000106819	ASPN	asporin	54829	515.5543142	-0.054394959	0.656922695	-0.082802679	0.934008439	0.999371363	Not Sig
ENSG00000267340	NA	NA	NA	12.36409223	-0.054371507	0.786429696	-0.069137149	0.944880451	0.999371363	Not Sig
ENSG00000119760	SUPT7L	SPT7 like, STAGA complex gamma subunit	9913	927.9719998	-0.054344548	0.416787752	-0.130389023	0.896258651	0.999371363	Not Sig

ENSG00000170899	GSTA4	glutathione S-transferase alpha 4	2941	256.6752149	-0.054318204	0.578927547	-0.093825565	0.925247723	0.999371363	Not Sig
ENSG00000163682	RPL9	ribosomal protein L9	6133	6616.78931	-0.054227931	0.426053606	-0.127279595	0.898719109	0.999371363	Not Sig
ENSG00000137815	RTF1	RTF1 homolog, Paf1/RNA polymerase II complex component	23168	1780.221181	-0.053962999	0.402804098	-0.133968347	0.893427604	0.999371363	Not Sig
ENSG00000168158	OR2C1	olfactory receptor family 2 subfamily C member 1	4993	0.894363868	-0.053792612	3.111114732	-0.017290462	0.986204894	NA	NA
ENSG00000239246	NA	NA	NA	0.894363868	-0.053792612	3.111114732	-0.017290462	0.986204894	NA	NA
ENSG00000239840	NA	NA	NA	0.894363868	-0.053792612	3.111114732	-0.017290462	0.986204894	NA	NA
ENSG00000197601	FAR1	fatty acyl-CoA reductase 1	84188	1599.162312	-0.053691018	0.656441292	-0.081791043	0.934812879	0.999371363	Not Sig
ENSG00000117152	RGS4	regulator of G protein signaling 4	5999	81.38193904	-0.053564564	0.579795346	-0.092385294	0.926391923	0.999371363	Not Sig
ENSG00000012124	CD22	CD22 molecule	933	142.2973909	-0.053530945	0.827627625	-0.064679988	0.948428797	0.999371363	Not Sig
ENSG00000139211	AMIGO2	adhesion molecule with Ig like domain 2	347902	762.5229599	-0.053490249	0.514597078	-0.103945886	0.917212293	0.999371363	Not Sig
ENSG00000211862	NA	NA	NA	8.390707725	-0.053452799	1.112355653	-0.048053694	0.96167345	0.999371363	Not Sig
ENSG00000225973	PIGBOS1	PIGB opposite strand 1	101928527	76.12928415	-0.053295371	0.49296811	-0.108111193	0.913907489	0.999371363	Not Sig
ENSG00000239332	LINC01119	long intergenic non-protein coding RNA 1119	100134259	5.274879084	-0.053243827	1.212268475	-0.043920821	0.964967519	NA	NA
ENSG00000100568	VTI1B	vesicle transport through interaction with t-SNAREs 1B	10490	1265.581648	-0.053221967	0.454401005	-0.117125549	0.906760564	0.999371363	Not Sig
ENSG00000107968	MAP3K8	mitogen-activated protein kinase kinase kinase 8	1326	899.5216502	-0.0531216	0.531268352	-0.099990145	0.920352149	0.999371363	Not Sig
ENSG00000167182	SP2	Sp2 transcription factor	6668	602.688321	-0.053053255	0.459749478	-0.115396009	0.908131242	0.999371363	Not Sig
ENSG00000222348	NA	NA	NA	5.398338304	-0.052787926	1.475678371	-0.035771972	0.971464182	NA	NA
ENSG00000254017	NA	NA	NA	25.5276883	-0.05266761	0.753832457	-0.069866467	0.944299944	0.999371363	Not Sig
ENSG00000030304	MUSK	muscle associated receptor tyrosine kinase	4593	62.38193255	-0.052613416	1.124956382	-0.046769294	0.962697102	0.999371363	Not Sig
ENSG00000123064	DDX54	DEAD-box helicase 54	79039	1402.585218	-0.052554857	0.489608876	-0.10734049	0.914518864	0.999371363	Not Sig
ENSG00000139946	PELI2	pellino E3 ubiquitin protein ligase family member 2	57161	637.77852	-0.052468788	0.715027389	-0.073380109	0.941503645	0.999371363	Not Sig
ENSG00000150403	TMCO3	transmembrane and coiled-coil domains 3	55002	1446.499598	-0.052304401	0.464754316	-0.112542046	0.910393634	0.999371363	Not Sig
ENSG00000217241	NA	NA	NA	3.597892328	-0.052045023	1.7346123	-0.030003836	0.976063994	NA	NA
ENSG00000264957	NA	NA	NA	2.951447924	-0.051899073	1.464536515	-0.0354372	0.971731122	NA	NA
ENSG00000136542	GALNT5	polypeptide N-acetylgalactosaminyltransferase 5	11227	1820.826706	-0.05186075	0.88644382	-0.058504272	0.95334696	0.999371363	Not Sig
ENSG00000257829	NA	NA	NA	64.37263075	-0.051846374	0.937192556	-0.055320941	0.95588278	0.999371363	Not Sig
ENSG00000148358	GPR107	G protein-coupled receptor 107	57720	3087.322322	-0.051749025	0.446138621	-0.115993153	0.907657968	0.999371363	Not Sig
ENSG00000163874	ZC3H12A	zinc finger CCCH-type containing 12A	80149	966.4571673	-0.051511043	0.462244642	-0.111436755	0.911270015	0.999371363	Not Sig
ENSG00000134569	LRP4	LDL receptor related protein 4	4038	764.725201	-0.051466246	0.72850159	-0.070646718	0.943678928	0.999371363	Not Sig
ENSG00000155530	LRGUK	leucine rich repeats and guanylate kinase domain containing	136332	53.58789535	-0.05138903	0.605858689	-0.084820158	0.932404368	0.999371363	Not Sig
ENSG00000071994	PDCD2	programmed cell death 2	5134	820.2150903	-0.051387526	0.419281351	-0.122560963	0.902454768	0.999371363	Not Sig
ENSG00000151413	NUBPL	nucleotide binding protein like	80224	326.8001823	-0.051356005	0.58298953	-0.088090785	0.929804521	0.999371363	Not Sig
ENSG00000196684	HSH2D	hematopoietic SH2 domain containing	84941	382.8103044	-0.051017724	0.511900522	-0.099663357	0.920611593	0.999371363	Not Sig
ENSG00000100077	GRK3	G protein-coupled receptor kinase 3	157	1412.42715	-0.051013382	0.604884278	-0.084335771	0.932789472	0.999371363	Not Sig
ENSG00000130255	RPL36	ribosomal protein L36	25873	2371.486088	-0.050865261	0.507275469	-0.100271478	0.920128801	0.999371363	Not Sig

ENSG00000133265	HSPBP1	HSPA (Hsp70) binding protein 1	23640	420.8846321	-0.050786445	0.591991141	-0.085789198	0.931633994	0.999371363	Not Sig
ENSG00000265137	MIR3192	microRNA 3192	100422875	4.70153955	-0.050641504	1.13065899	-0.04478937	0.964275198	NA	NA
ENSG00000117475	BLZF1	basic leucine zipper nuclear factor 1	8548	695.6949077	-0.050637046	0.620080984	-0.081661988	0.934915507	0.999371363	Not Sig
ENSG00000249661	NA	NA	NA	98.44599033	-0.050284138	0.571954219	-0.087916368	0.929943147	0.999371363	Not Sig
ENSG00000008277	ADAM22	ADAM metalloproteinase domain 22	53616	169.5853883	-0.050210806	0.610483886	-0.082247553	0.934449859	0.999371363	Not Sig
ENSG00000171311	EXOSC1	exosome component 1	51013	306.2563067	-0.050063007	0.409981625	-0.122110367	0.902811611	0.999371363	Not Sig
ENSG00000150433	TMEM218	transmembrane protein 218	219854	277.6229963	-0.050022933	0.412707194	-0.121206834	0.903527211	0.999371363	Not Sig
ENSG00000110318	CEP126	centrosomal protein 126	57562	387.340804	-0.050021316	0.545398473	-0.091715175	0.92692434	0.999371363	Not Sig
ENSG00000272084	NA	NA	NA	32.11334806	-0.049998252	0.8061483	-0.062021159	0.950545982	0.999371363	Not Sig
ENSG00000160218	TRAPPC10	trafficking protein particle complex 10	7109	1842.695192	-0.049915882	0.428623307	-0.116456295	0.907290922	0.999371363	Not Sig
ENSG00000227992	NA	NA	NA	11.84093024	-0.049749707	0.834118969	-0.059643419	0.952439636	0.999371363	Not Sig
ENSG00000137822	TUBGCP4	tubulin gamma complex associated protein 4	27229	557.041927	-0.049568189	0.467335139	-0.106065616	0.915530292	0.999371363	Not Sig
ENSG00000122378	FAM213A	family with sequence similarity 213 member A	84293	745.6807425	-0.049403537	0.528957237	-0.09339798	0.925587395	0.999371363	Not Sig
ENSG00000196418	ZNF124	zinc finger protein 124	7678	489.2762412	-0.049375896	0.430138176	-0.114790779	0.908610958	0.999371363	Not Sig
ENSG00000187713	TMEM203	transmembrane protein 203	94107	410.9606526	-0.049370019	0.582457972	-0.084761513	0.932450991	0.999371363	Not Sig
ENSG00000188859	FAM78B	family with sequence similarity 78 member B	149297	24.49057122	-0.049351416	0.60374986	-0.081741494	0.934852281	0.999371363	Not Sig
ENSG00000166130	IKBIP	IKKKB interacting protein	121457	389.1295272	-0.04933326	0.550267506	-0.089653232	0.928562782	0.999371363	Not Sig
ENSG00000140948	ZCCHC14	zinc finger CCHC-type containing 14	23174	1442.226865	-0.049187712	0.428187458	-0.114874247	0.908544798	0.999371363	Not Sig
ENSG00000197162	ZNF785	zinc finger protein 785	146540	352.6892594	-0.048990439	0.43795637	-0.111861459	0.910933256	0.999371363	Not Sig
ENSG00000240231	NA	NA	NA	2.946294749	-0.048932347	1.402445645	-0.034890726	0.972166876	NA	NA
ENSG00000270956	NA	NA	NA	21.13916575	-0.048726279	0.681868549	-0.07145993	0.943031714	0.999371363	Not Sig
ENSG00000138592	USP8	ubiquitin specific peptidase 8	9101	2011.387227	-0.048695083	0.448104896	-0.108668937	0.913465081	0.999371363	Not Sig
ENSG00000087152	ATXN7L3	ataxin 7 like 3	56970	1467.348061	-0.048644761	0.45272149	-0.10744964	0.914432275	0.999371363	Not Sig
ENSG00000101384	JAG1	jagged 1	182	1436.06641	-0.048631469	0.573743608	-0.084761675	0.932450863	0.999371363	Not Sig
ENSG00000165417	GTF2A1	general transcription factor IIA subunit 1	2957	1201.108955	-0.048614594	0.61850789	-0.078599796	0.93735095	0.999371363	Not Sig
ENSG00000258206	NA	NA	NA	0.745016361	-0.048543912	3.351943257	-0.014482319	0.988445185	NA	NA
ENSG00000139133	ALG10	ALG10, alpha-1,2-glucosyltransferase	84920	189.6353986	-0.048524904	0.758386861	-0.063984368	0.948982674	0.999371363	Not Sig
ENSG00000149532	CPSF7	cleavage and polyadenylation specific factor 7	79869	1894.321715	-0.048134812	0.438069214	-0.109879467	0.912504967	0.999371363	Not Sig
ENSG00000119977	TCTN3	tectonic family member 3	26123	817.3460826	-0.048116214	0.41367564	-0.116313869	0.907403795	0.999371363	Not Sig
ENSG00000103569	AQP9	aquaporin 9	366	315.646106	-0.047804755	0.899737021	-0.053131919	0.957626799	0.999371363	Not Sig
ENSG00000064270	ATP2C2	ATPase secretory pathway Ca ²⁺ transporting 2	9914	1279.019003	-0.047712052	0.495567395	-0.096277626	0.92330008	0.999371363	Not Sig
ENSG00000167634	NLRP7	NLR family pyrin domain containing 7	199713	6.125757719	-0.047572743	1.137139857	-0.041835438	0.966629885	NA	NA
ENSG00000272009	LOC102724889	uncharacterized LOC102724889	102724889	14.08243315	-0.047480974	0.740878976	-0.064087355	0.948900671	0.999371363	Not Sig
ENSG00000166902	MRPL16	mitochondrial ribosomal protein L16	54948	379.0518947	-0.04746986	0.417895456	-0.113592669	0.909560699	0.999371363	Not Sig
ENSG00000232645	LINC01431	long intergenic non-protein coding RNA 1431	100505683	6.719987495	-0.047428438	0.98842316	-0.04798394	0.961729042	0.999371363	Not Sig

ENSG00000056050	HPF1	histone PARylation factor 1	54969	201.6328938	-0.047426403	0.462440376	-0.102556795	0.918314735	0.999371363	Not Sig
ENSG00000082269	FAM135A	family with sequence similarity 135 member A	57579	1027.021095	-0.047306457	0.624201104	-0.075787204	0.939588396	0.999371363	Not Sig
ENSG00000162779	AXDND1	axonemal dynein light chain domain containing 1	126859	16.98959505	-0.047296752	0.879612709	-0.053769974	0.957118432	0.999371363	Not Sig
ENSG00000213047	DENND1B	DENN domain containing 1B	163486	1346.426727	-0.047295926	0.639671067	-0.073937885	0.94105981	0.999371363	Not Sig
ENSG00000181885	CLDN7	claudin 7	1366	1566.473378	-0.047217682	0.551585259	-0.085603597	0.931781539	0.999371363	Not Sig
ENSG00000173557	C2orf70	chromosome 2 open reading frame 70	339778	8.993307224	-0.047213574	1.449870478	-0.032563995	0.974022283	0.999371363	Not Sig
ENSG00000007341	ST7L	suppression of tumorigenicity 7 like	54879	402.0736884	-0.047202088	0.542640905	-0.086985864	0.930682748	0.999371363	Not Sig
ENSG00000107829	FBXW4	F-box and WD repeat domain containing 4	6468	1276.964174	-0.047089746	0.562614834	-0.083698018	0.933296533	0.999371363	Not Sig
ENSG00000251389	NA	NA	NA	2.161357916	-0.046754385	1.666766764	-0.028050946	0.977621518	NA	NA
ENSG00000169398	PTK2	protein tyrosine kinase 2	5747	4149.797565	-0.046662373	0.531371168	-0.087815026	0.930023695	0.999371363	Not Sig
ENSG00000161929	SCIMP	SLP adaptor and CSK interacting membrane protein	388325	241.0303844	-0.046605535	0.940916994	-0.049532037	0.960495307	0.999371363	Not Sig
ENSG00000154608	NA	NA	NA	18.9363271	-0.046505539	0.769872057	-0.060406841	0.95183161	0.999371363	Not Sig
ENSG00000214114	MYCBP	MYC binding protein	26292	233.1162346	-0.046304019	0.611407263	-0.075733511	0.939631114	0.999371363	Not Sig
ENSG00000196387	ZNF140	zinc finger protein 140	7699	297.2853947	-0.046161811	0.523613122	-0.08816015	0.92974939	0.999371363	Not Sig
ENSG00000135324	MRAP2	melanocortin 2 receptor accessory protein 2	112609	19.49010934	-0.046051127	1.237802692	-0.037203932	0.970322404	0.999371363	Not Sig
ENSG00000187098	MITF	melanogenesis associated transcription factor	4286	626.3488285	-0.045946907	0.56753752	-0.080958361	0.935475067	0.999371363	Not Sig
ENSG00000186654	PRR5	proline rich 5	55615	257.6187717	-0.045726016	0.604437811	-0.075650489	0.939697167	0.999371363	Not Sig
ENSG00000251963	NA	NA	NA	7.378581437	-0.045655457	1.009938946	-0.045206156	0.963942988	0.999371363	Not Sig
ENSG00000164032	H2AFZ	H2A histone family member Z	3015	1117.317833	-0.045594012	0.383381357	-0.118926001	0.905333982	0.999371363	Not Sig
ENSG00000261971	NA	NA	NA	197.8516901	-0.045529296	0.481644305	-0.094528879	0.924689043	0.999371363	Not Sig
ENSG00000223255	NA	NA	NA	33.74273609	-0.045405174	0.622499312	-0.072940119	0.941853769	0.999371363	Not Sig
ENSG00000130921	C12orf65	chromosome 12 open reading frame 65	91574	297.3589309	-0.045159073	0.432267677	-0.10447016	0.916796248	0.999371363	Not Sig
ENSG00000115760	BIRC6	baculoviral IAP repeat containing 6	57448	7767.272573	-0.045133985	0.513792553	-0.087844764	0.930000059	0.999371363	Not Sig
ENSG00000117614	SYF2	SYF2 pre-mRNA splicing factor	25949	676.7273213	-0.045126369	0.476569541	-0.094689998	0.924561062	0.999371363	Not Sig
ENSG00000176953	NFATC2IP	nuclear factor of activated T-cells 2 interacting protein	84901	1288.280981	-0.045089839	0.435220184	-0.103602361	0.917484914	0.999371363	Not Sig
ENSG00000166455	C16orf46	chromosome 16 open reading frame 46	123775	56.43999777	-0.045044466	0.523249515	-0.086086017	0.931398039	0.999371363	Not Sig
ENSG00000065970	FOXJ2	forkhead box J2	55810	955.6387798	-0.045015142	0.449857126	-0.10006542	0.920292388	0.999371363	Not Sig
ENSG00000092853	CLSPN	claspin	63967	225.0534353	-0.045014819	1.036462979	-0.043431189	0.965357816	0.999371363	Not Sig
ENSG00000104805	NUCB1	nucleobindin 1	4924	5099.071045	-0.04498379	0.562031089	-0.080037904	0.93620711	0.999371363	Not Sig
ENSG00000162144	CYB561A3	cytochrome b561 family member A3	220002	789.6899021	-0.044979285	0.567129978	-0.079310365	0.936785763	0.999371363	Not Sig
ENSG00000144848	ATG3	autophagy related 3	64422	758.627894	-0.044936157	0.492392467	-0.091260855	0.927285322	0.999371363	Not Sig
ENSG00000240024	LINC00888	long intergenic non-protein coding RNA 888	100505687	63.22561823	-0.044899093	0.612743284	-0.073275536	0.941586859	0.999371363	Not Sig
ENSG00000119943	PYROXD2	pyridine nucleotide-disulphide oxidoreductase domain 2	84795	421.6057373	-0.044885065	0.478201774	-0.093862188	0.925218631	0.999371363	Not Sig
ENSG00000270055	NA	NA	NA	80.76867753	-0.044825336	0.515177462	-0.087009504	0.930663957	0.999371363	Not Sig
ENSG00000166529	ZSCAN21	zinc finger and SCAN domain containing 21	7589	148.0800435	-0.044822601	0.542031354	-0.082693742	0.934095061	0.999371363	Not Sig

ENSG00000213160	KLHL23	kelch like family member 23	151230	517.8887469	-0.044734558	0.585736531	-0.076373173	0.939122212	0.999371363	Not Sig
ENSG00000213160	PHOSPHO2-KLHL23	PHOSPHO2-KLHL23 readthrough	100526832	517.8887469	-0.044734558	0.585736531	-0.076373173	0.939122212	0.999371363	Not Sig
ENSG00000102243	VGLL1	vestigial like family member 1	51442	13.94551217	-0.044731656	1.163306943	-0.038452153	0.96932718	0.999371363	Not Sig
ENSG00000198042	MAK16	MAK16 homolog	84549	445.5121018	-0.044698411	0.556590555	-0.080307527	0.935992672	0.999371363	Not Sig
ENSG00000125149	C16orf70	chromosome 16 open reading frame 70	80262	418.400243	-0.044578143	0.417721253	-0.10671744	0.915013147	0.999371363	Not Sig
ENSG00000176871	WSB2	WD repeat and SOCS box containing 2	55884	1366.342267	-0.044510476	0.447024006	-0.099570662	0.920685186	0.999371363	Not Sig
ENSG00000141424	SLC39A6	solute carrier family 39 member 6	25800	1194.818113	-0.04438664	0.477566709	-0.092943331	0.925948582	0.999371363	Not Sig
ENSG00000237181	NA	NA	NA	25.94819741	-0.044338737	1.00586848	-0.044080054	0.964840592	0.999371363	Not Sig
ENSG00000145220	LYAR	Lyl antibody reactive	55646	213.5324142	-0.044174591	0.498346061	-0.088642401	0.92936611	0.999371363	Not Sig
ENSG00000213693	SEC14L1P1	SEC14 like 1 pseudogene 1	729799	83.76877876	-0.044041782	0.554770235	-0.079387427	0.936724469	0.999371363	Not Sig
ENSG00000105983	LMBR1	limb development membrane protein 1	64327	1603.72924	-0.043894512	0.591795647	-0.074171739	0.940873733	0.999371363	Not Sig
ENSG00000084693	AGBL5	ATP/GTP binding protein like 5	60509	490.9047267	-0.043839149	0.44485623	-0.098546781	0.921498127	0.999371363	Not Sig
ENSG00000130475	FCH01	FCH domain only 1	23149	192.6288621	-0.04367678	0.582070154	-0.075036969	0.940185298	0.999371363	Not Sig
ENSG00000165672	PRDX3	peroxiredoxin 3	10935	1267.188459	-0.04349854	0.515438239	-0.084391372	0.932745267	0.999371363	Not Sig
ENSG00000171469	ZNF561	zinc finger protein 561	93134	623.627942	-0.043416764	0.561119657	-0.077375232	0.938325044	0.999371363	Not Sig
ENSG00000126264	HCST	hematopoietic cell signal transducer	10870	162.8752782	-0.043397337	0.929116489	-0.046708176	0.962745814	0.999371363	Not Sig
ENSG00000237004	NA	NA	NA	109.5417979	-0.043270473	0.69423775	-0.062328033	0.950301605	0.999371363	Not Sig
ENSG00000100379	KCTD17	potassium channel tetramerization domain containing 17	79734	221.5136218	-0.043123714	0.614067182	-0.070226378	0.94401348	0.999371363	Not Sig
ENSG00000104635	SLC39A14	solute carrier family 39 member 14	23516	776.7258849	-0.04311218	0.584709925	-0.073732595	0.941223162	0.999371363	Not Sig
ENSG00000130305	NSUN5	NOP2/Sun RNA methyltransferase family member 5	55695	348.4605058	-0.042991537	0.621644149	-0.069157792	0.944864019	0.999371363	Not Sig
ENSG00000110429	FBX03	F-box protein 3	26273	983.1292121	-0.042908161	0.449814489	-0.095390793	0.924004429	0.999371363	Not Sig
ENSG00000187097	ENTPD5	ectonucleoside triphosphate diphosphohydrolase 5	957	611.2558922	-0.042864708	0.556426201	-0.077035748	0.938595107	0.999371363	Not Sig
ENSG00000117592	PRDX6	peroxiredoxin 6	9588	2331.353629	-0.042774692	0.437763395	-0.097711898	0.922161068	0.999371363	Not Sig
ENSG00000111775	COX6A1	cytochrome c oxidase subunit 6A1	1337	438.702754	-0.042479171	0.564310991	-0.075276172	0.939994979	0.999371363	Not Sig
ENSG00000172197	MBOAT1	membrane bound O-acyltransferase domain containing 1	154141	579.1596294	-0.042358744	0.530100764	-0.079906967	0.936311249	0.999371363	Not Sig
ENSG00000128833	MYO5C	myosin VC	55930	3795.535008	-0.042349028	0.565077248	-0.074943786	0.940259438	0.999371363	Not Sig
ENSG00000011304	PTBP1	polypyrimidine tract binding protein 1	5725	4462.632212	-0.041998093	0.452423046	-0.092829252	0.926039212	0.999371363	Not Sig
ENSG00000111364	DDX55	DEAD-box helicase 55	57696	544.4081946	-0.041885095	0.430445442	-0.097306397	0.922483076	0.999371363	Not Sig
ENSG00000225514	NA	NA	NA	1.928189696	-0.04177428	2.206645301	-0.018931126	0.984896049	NA	NA
ENSG00000253923	NA	NA	NA	1.928189696	-0.04177428	2.206645301	-0.018931126	0.984896049	NA	NA
ENSG00000138686	BBS7	Bardet-Biedl syndrome 7	55212	277.0748555	-0.041551863	0.457630557	-0.090797832	0.927653232	0.999371363	Not Sig
ENSG00000174175	SELP	selectin P	6403	240.3931148	-0.041512122	0.94051538	-0.044137632	0.964794696	0.999371363	Not Sig
ENSG00000211771	NA	NA	NA	12.99086356	-0.041451915	0.936756837	-0.044250454	0.964704765	0.999371363	Not Sig
ENSG00000179833	SERTAD2	SERTA domain containing 2	9792	1031.221716	-0.041360682	0.411251396	-0.100572746	0.919889632	0.999371363	Not Sig
ENSG00000151611	MMAA	methylmalonic aciduria (cobalamin deficiency) cblA type	166785	273.0282052	-0.041355753	0.52200367	-0.079225024	0.936853641	0.999371363	Not Sig

ENSG00000196705	ZNF431	zinc finger protein 431	170959	491.7054584	-0.041340716	0.620631676	-0.06661071	0.94689162	0.999371363	Not Sig
ENSG00000150768	DLAT	dihydrolipoamide S-acetyltransferase	1737	906.6362166	-0.041263529	0.518607834	-0.079565958	0.936582471	0.999371363	Not Sig
ENSG00000117602	RCAN3	RCAN family member 3	11123	1099.528157	-0.041253205	0.509911181	-0.080902728	0.935519311	0.999371363	Not Sig
ENSG00000212664	NA	NA	NA	5.804467712	-0.041186742	1.018994312	-0.040419011	0.967759074	NA	NA
ENSG00000184182	UBE2F	ubiquitin conjugating enzyme E2 F (putative)	140739	198.9093884	-0.041137232	0.477827532	-0.086092218	0.93139311	0.999371363	Not Sig
ENSG00000187079	TEAD1	TEA domain transcription factor 1	7003	2689.237039	-0.041049532	0.407884091	-0.100640189	0.919836092	0.999371363	Not Sig
ENSG00000171847	FAM90A1	family with sequence similarity 90 member A1	55138	7.00562553	-0.041046751	1.163854236	-0.035267948	0.971866081	0.999371363	Not Sig
ENSG00000075945	KIFAP3	kinesin associated protein 3	22920	775.2488302	-0.040912359	0.451138458	-0.090686925	0.92774136	0.999371363	Not Sig
ENSG00000153012	LGI2	leucine rich repeat LGI family member 2	55203	161.4890024	-0.040796448	0.771478547	-0.052880859	0.957826835	0.999371363	Not Sig
ENSG00000132323	ILKAP	ILK associated serine/threonine phosphatase	80895	612.7621633	-0.040764109	0.395620935	-0.103038302	0.917932572	0.999371363	Not Sig
ENSG00000197857	ZNF44	zinc finger protein 44	51710	463.5816507	-0.040739047	0.38889124	-0.104756916	0.916568698	0.999371363	Not Sig
ENSG00000170089	LOC728554	THO complex 3 pseudogene	728554	113.1719601	-0.040703926	0.702140875	-0.057971168	0.953771595	0.999371363	Not Sig
ENSG00000115239	ASB3	ankyrin repeat and SOCS box containing 3	51130	77.62021351	-0.040635794	0.514158062	-0.079033661	0.93700585	0.999371363	Not Sig
ENSG00000116990	MYCL	MYCL proto-oncogene, bHLH transcription factor	4610	221.0976772	-0.040515151	0.443450346	-0.091363444	0.927203808	0.999371363	Not Sig
ENSG00000139722	VPS37B	VPS37B, ESCRT-I subunit	79720	1652.733609	-0.040513919	0.430196942	-0.094175283	0.924969919	0.999371363	Not Sig
ENSG00000078668	VDAC3	voltage dependent anion channel 3	7419	861.3445352	-0.040398843	0.554418841	-0.07286701	0.941911946	0.999371363	Not Sig
ENSG00000090905	TNRC6A	trinucleotide repeat containing 6A	27327	2607.526054	-0.040397088	0.455242581	-0.0887375	0.929290529	0.999371363	Not Sig
ENSG00000152475	ZNF837	zinc finger protein 837	116412	58.24694458	-0.040391299	0.632231453	-0.063886887	0.949060294	0.999371363	Not Sig
ENSG00000155893	PXYLP1	2-phosphoxylose phosphatase 1	92370	239.7910938	-0.04034578	0.468938921	-0.086036322	0.931437543	0.999371363	Not Sig
ENSG00000141569	TRIM65	tripartite motif containing 65	201292	679.8116312	-0.040275352	0.61514997	-0.065472412	0.947797871	0.999371363	Not Sig
ENSG00000212283	SNORD89	small nucleolar RNA, C/D box 89	692205	11.35190953	-0.040245041	0.960647699	-0.041893653	0.966583476	0.999371363	Not Sig
ENSG00000177406	LOC100049716	uncharacterized LOC100049716	100049716	325.5524522	-0.040089927	0.623357401	-0.064312908	0.948721076	0.999371363	Not Sig
ENSG00000114650	SCAP	SREBF chaperone	22937	1732.647814	-0.040061459	0.540301902	-0.074146433	0.940893869	0.999371363	Not Sig
ENSG00000155097	ATP6V1C1	ATPase H+ transporting V1 subunit C1	528	1468.130374	-0.039927775	0.472849911	-0.084440695	0.932706053	0.999371363	Not Sig
ENSG00000172250	SERHL	serine hydrolase-like (pseudogene)	94009	6.721421189	-0.039911447	1.110693574	-0.035933806	0.97133514	0.999371363	Not Sig
ENSG00000164007	CLDN19	claudin 19	149461	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000184879	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000234055	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000234393	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000235349	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000243020	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000260447	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000264355	NA	NA	NA	0.600534269	-0.039706088	0.418009012	-0.009882031	0.992115409	NA	NA
ENSG00000167005	NUDT21	nudix hydrolase 21	11051	1692.667218	-0.039547606	0.516941912	-0.076502999	0.939018928	0.999371363	Not Sig
ENSG00000204427	ABHD16A	abhydrolase domain containing 16A	7920	83.54275389	-0.039289421	0.470654818	-0.083478207	0.933471305	0.999371363	Not Sig

ENSG00000255541	NA	NA	NA	5.25555558	-0.03926579	1.265496989	-0.03102796	0.975247241	NA	NA
ENSG00000236297	NA	NA	NA	2.291121629	-0.039159563	1.567014569	-0.024989916	0.980063007	NA	NA
ENSG00000171466	ZNF562	zinc finger protein 562	54811	867.0640323	-0.038816511	0.449734001	-0.086309931	0.931220044	0.999371363	Not Sig
ENSG00000119537	KDSR	3-ketodihydroshingosine reductase	2531	1198.4735	-0.038783201	0.443500928	-0.087447846	0.930315539	0.999371363	Not Sig
ENSG00000170265	ZNF282	zinc finger protein 282	8427	1044.363171	-0.038729451	0.511185953	-0.07576392	0.939606922	0.999371363	Not Sig
ENSG00000085832	EPS15	epidermal growth factor receptor pathway substrate 15	2060	2949.933412	-0.038575874	0.435800967	-0.088517184	0.929465627	0.999371363	Not Sig
ENSG00000143155	TIPRL	TOR signaling pathway regulator	261726	551.6433422	-0.038349867	0.497945465	-0.077016199	0.938610658	0.999371363	Not Sig
ENSG00000207379	NA	NA	NA	0.968315326	-0.038256658	2.616091731	-0.014623592	0.988332478	NA	NA
ENSG00000269737	NA	NA	NA	0.968315326	-0.038256658	2.616091731	-0.014623592	0.988332478	NA	NA
ENSG00000251254	NA	NA	NA	11.08975968	-0.038194534	0.932018793	-0.040980433	0.967311495	0.999371363	Not Sig
ENSG00000143379	SETDB1	SET domain bifurcated 1	9869	1309.727954	-0.038166972	0.469154716	-0.081352633	0.935161517	0.999371363	Not Sig
ENSG00000163754	GYG1	glycogenin 1	2992	492.4891574	-0.038084549	0.456758706	-0.083380018	0.933549376	0.999371363	Not Sig
ENSG00000160679	CHTOP	chromatin target of PRMT1	26097	1617.574352	-0.038031263	0.439588177	-0.086515664	0.931056505	0.999371363	Not Sig
ENSG00000164253	WDR41	WD repeat domain 41	55255	640.1806088	-0.037959871	0.392111709	-0.096808817	0.922878222	0.999371363	Not Sig
ENSG00000236184	NA	NA	NA	23.11680304	-0.037732999	0.691069487	-0.054600876	0.956456441	0.999371363	Not Sig
ENSG00000169375	SIN3A	SIN3 transcription regulator family member A	25942	2548.672248	-0.037728091	0.405700076	-0.092995032	0.925907508	0.999371363	Not Sig
ENSG00000176182	MYPOP	Myb related transcription factor, partner of profilin	339344	193.0348266	-0.037591796	0.600715824	-0.062578335	0.950102282	0.999371363	Not Sig
ENSG00000144589	STK11IP	serine/threonine kinase 11 interacting protein	114790	464.2825596	-0.037518951	0.562284745	-0.066725891	0.946799922	0.999371363	Not Sig
ENSG00000112658	SRF	serum response factor	6722	1285.687643	-0.037471068	0.616107182	-0.060819074	0.9515033	0.999371363	Not Sig
ENSG00000165526	RPUSD4	RNA pseudouridylate synthase domain containing 4	84881	363.224595	-0.037220043	0.474784151	-0.078393608	0.937514958	0.999371363	Not Sig
ENSG00000164144	ARFIP1	ADP ribosylation factor interacting protein 1	27236	950.8242705	-0.037113601	0.474222459	-0.078262006	0.937619639	0.999371363	Not Sig
ENSG00000077348	EXOSC5	exosome component 5	56915	142.3566654	-0.037025084	0.497966807	-0.074352513	0.940729893	0.999371363	Not Sig
ENSG00000146833	TRIM4	tripartite motif containing 4	89122	987.821567	-0.036640084	0.432737668	-0.084670428	0.932523406	0.999371363	Not Sig
ENSG00000182866	LCK	LCK proto-oncogene, Src family tyrosine kinase	3932	234.2090435	-0.036573598	0.708768544	-0.05160161	0.958846136	0.999371363	Not Sig
ENSG00000264798	NA	NA	NA	7.817762481	-0.036533598	0.959601353	-0.038071641	0.969630562	0.999371363	Not Sig
ENSG00000061918	GUCY1B3	guanylate cyclase 1 soluble subunit beta	2983	347.1751866	-0.036427183	0.502832613	-0.072443955	0.942248605	0.999371363	Not Sig
ENSG00000170085	SIMC1	SUMO interacting motifs containing 1	375484	354.503577	-0.036423417	0.466467901	-0.078083436	0.937761683	0.999371363	Not Sig
ENSG00000258442	NA	NA	NA	1.607181654	-0.036359004	1.933458433	-0.018805165	0.984996534	NA	NA
ENSG00000165689	SDCCAG3	serologically defined colon cancer antigen 3	10807	575.5088966	-0.036218697	0.509851676	-0.071037712	0.943367741	0.999371363	Not Sig
ENSG00000103121	CMC2	C-X9-C motif containing 2	56942	280.0082009	-0.036038137	0.564889768	-0.06379676	0.949132058	0.999371363	Not Sig
ENSG00000228903	NA	NA	NA	150.8863076	-0.035983149	0.466320244	-0.07716403	0.938493056	0.999371363	Not Sig
ENSG00000158711	ELK4	ELK4, ETS transcription factor	2005	3044.244655	-0.035944909	0.47645064	-0.075443091	0.939862175	0.999371363	Not Sig
ENSG00000147996	CBWD5	COBW domain containing 5	220869	99.32726231	-0.035934128	0.625785366	-0.057422448	0.954208682	0.999371363	Not Sig
ENSG00000147996	CBWD3	COBW domain containing 3	445571	99.32726231	-0.035934128	0.625785366	-0.057422448	0.954208682	0.999371363	Not Sig
ENSG00000147996	CBWD6	COBW domain containing 6	644019	99.32726231	-0.035934128	0.625785366	-0.057422448	0.954208682	0.999371363	Not Sig

ENSG00000162714	ZNF496	zinc finger protein 496	84838	950.2238019	-0.03592946	0.500866457	-0.071734611	0.942813112	0.999371363	Not Sig
ENSG00000181827	RFX7	regulatory factor X7	64864	901.0604408	-0.035926078	0.542212537	-0.066258294	0.947172187	0.999371363	Not Sig
ENSG00000227232	WASH7P	WAS protein family homolog 7 pseudogene	653635	239.2947344	-0.035898504	0.497788003	-0.072116049	0.942509554	0.999371363	Not Sig
ENSG00000166971	AKTIP	AKT interacting protein	64400	536.9394156	-0.035893098	0.467250415	-0.076817691	0.938768577	0.999371363	Not Sig
ENSG00000174444	RPL4	ribosomal protein L4	6124	12744.20335	-0.035829772	0.450129577	-0.079598795	0.936556354	0.999371363	Not Sig
ENSG00000118961	LDAH	lipid droplet associated hydrolase	60526	357.4697465	-0.035803244	0.514826762	-0.069544255	0.944556408	0.999371363	Not Sig
ENSG00000118217	ATF6	activating transcription factor 6	22926	2531.880666	-0.035651163	0.439133044	-0.081185335	0.935294562	0.999371363	Not Sig
ENSG00000163607	GTPBP8	GTP binding protein 8 (putative)	29083	191.4589467	-0.03558725	0.470827433	-0.075584488	0.939749678	0.999371363	Not Sig
ENSG00000127080	IPPK	inositol-pentakisphosphate 2-kinase	64768	271.5193981	-0.03557919	0.465345306	-0.076457611	0.939055037	0.999371363	Not Sig
ENSG00000106617	PRKAG2	protein kinase AMP-activated non-catalytic subunit gamma 2	51422	666.6081936	-0.035539871	0.466371122	-0.076205127	0.939255904	0.999371363	Not Sig
ENSG00000114316	USP4	ubiquitin specific peptidase 4	7375	1653.950238	-0.035507049	0.434196873	-0.081776381	0.934824538	0.999371363	Not Sig
ENSG00000179454	KLHL28	kelch like family member 28	54813	708.3159174	-0.035477787	0.516579755	-0.068678237	0.945245742	0.999371363	Not Sig
ENSG00000264743	DPRXP4	divergent-paired related homeobox pseudogene 4	503645	27.57760276	-0.035341948	0.647948225	-0.054544401	0.956501434	0.999371363	Not Sig
ENSG00000263818	LOC100131347	RAD52 motif containing 1 pseudogene	100131347	12.80229597	-0.034979992	1.13128326	-0.030920631	0.975332837	0.999371363	Not Sig
ENSG00000129534	MIS18BP1	MIS18 binding protein 1	55320	860.0878461	-0.034897321	0.583316374	-0.059825719	0.952294442	0.999371363	Not Sig
ENSG00000257390	NA	NA	NA	12.878675	-0.034792326	0.837333949	-0.041551314	0.966856386	0.999371363	Not Sig
ENSG00000172803	SNX32	sorting nexin 32	254122	6.413011637	-0.034769544	1.132852209	-0.030692039	0.97551514	NA	NA
ENSG00000158623	COPG2	coatamer protein complex subunit gamma 2	26958	221.6712499	-0.034725121	0.600824866	-0.057795746	0.953911327	0.999371363	Not Sig
ENSG00000173905	GOLIM4	golgi integral membrane protein 4	27333	1790.208084	-0.034672144	0.417844388	-0.082978605	0.933868552	0.999371363	Not Sig
ENSG00000182307	C8orf33	chromosome 8 open reading frame 33	65265	752.3825593	-0.034632055	0.524512125	-0.066027177	0.947356189	0.999371363	Not Sig
ENSG00000175606	TMEM70	transmembrane protein 70	54968	315.1526884	-0.034517148	0.569010053	-0.060661754	0.951628591	0.999371363	Not Sig
ENSG00000120438	TCP1	t-complex 1	6950	2007.371321	-0.034338812	0.437366985	-0.078512583	0.937420322	0.999371363	Not Sig
ENSG00000139514	SLC7A1	solute carrier family 7 member 1	6541	1193.375506	-0.034035885	0.527562494	-0.064515362	0.948559876	0.999371363	Not Sig
ENSG00000109103	UNC119	unc-119 lipid binding chaperone	9094	378.3837068	-0.033643079	0.470266299	-0.071540485	0.942967605	0.999371363	Not Sig
ENSG00000142444	TIMM29	translocase of inner mitochondrial membrane 29	90580	225.3631975	-0.033638464	0.606882844	-0.055428266	0.955797278	0.999371363	Not Sig
ENSG00000167658	EEF2	eukaryotic translation elongation factor 2	1938	31781.41225	-0.033454378	0.572249853	-0.058461139	0.953381316	0.999371363	Not Sig
ENSG00000119682	AREL1	apoptosis resistant E3 ubiquitin protein ligase 1	9870	1154.765583	-0.033407857	0.384720623	-0.086836667	0.930801341	0.999371363	Not Sig
ENSG00000167081	PBX3	PBX homeobox 3	5090	534.0817812	-0.033320673	0.389278404	-0.085595996	0.931787581	0.999371363	Not Sig
ENSG00000110700	RPS13	ribosomal protein S13	6207	2861.368538	-0.033129715	0.536055393	-0.061802784	0.950719887	0.999371363	Not Sig
ENSG00000122779	TRIM24	tripartite motif containing 24	8805	1376.201437	-0.033110784	0.608275508	-0.05443386	0.956589502	0.999371363	Not Sig
ENSG00000101938	CHRDL1	chordin like 1	91851	924.6206399	-0.033073493	1.019256094	-0.032448659	0.974114259	0.999371363	Not Sig
ENSG00000133398	MED10	mediator complex subunit 10	84246	336.5667248	-0.032970842	0.423135645	-0.077920267	0.937891478	0.999371363	Not Sig
ENSG00000256525	POLG2	DNA polymerase gamma 2, accessory subunit	11232	333.7410499	-0.032964002	0.494772147	-0.066624611	0.946880553	0.999371363	Not Sig
ENSG00000179165	PXT1	peroxisomal, testis specific 1	222659	2.925686884	-0.032963152	1.437739865	-0.022927063	0.981708453	NA	NA
ENSG00000115207	GTF3C2	general transcription factor IIIC subunit 2	2976	1283.994779	-0.032944929	0.398981014	-0.082572673	0.934191331	0.999371363	Not Sig

ENSG00000036549	ZZZ3	zinc finger ZZ-type containing 3	26009	1363.547517	-0.032730364	0.601933309	-0.054375399	0.956636079	0.999371363	Not Sig
ENSG00000059377	TBXAS1	thromboxane A synthase 1	6916	681.7853742	-0.032730062	0.7530152	-0.04346534	0.965330593	0.999371363	Not Sig
ENSG00000186615	KTN1-AS1	KTN1 antisense RNA 1	100129075	32.7503831	-0.032603614	0.714520043	-0.04563009	0.963605086	0.999371363	Not Sig
ENSG00000198794	SCAMP5	secretory carrier membrane protein 5	192683	150.2883551	-0.032568955	0.646724368	-0.05035987	0.959835615	0.999371363	Not Sig
ENSG00000267481	NA	NA	NA	80.09705255	-0.032422322	0.495873778	-0.065384224	0.947868085	0.999371363	Not Sig
ENSG00000186260	MKL2	MKL1/myocardin like 2	57496	2395.470996	-0.03241568	0.475766866	-0.068133539	0.945679332	0.999371363	Not Sig
ENSG00000137955	RABGGTB	Rab geranylgeranyltransferase beta subunit	5876	1010.837409	-0.032315236	0.562210992	-0.05747884	0.954163762	0.999371363	Not Sig
ENSG00000168014	C2CD3	C2 calcium dependent domain containing 3	26005	1236.565655	-0.031904452	0.422299745	-0.075549305	0.93977767	0.999371363	Not Sig
ENSG00000248794	NA	NA	NA	9.352974422	-0.031877278	0.857345375	-0.037181372	0.970340391	0.999371363	Not Sig
ENSG00000068784	SRBD1	S1 RNA binding domain 1	55133	619.0080888	-0.031791073	0.456161485	-0.069692585	0.944438344	0.999371363	Not Sig
ENSG00000250687	NA	NA	NA	4.641747524	-0.031726204	1.422936015	-0.022296297	0.982211603	NA	NA
ENSG00000185305	ARL15	ADP ribosylation factor like GTPase 15	54622	321.2986186	-0.031666264	0.63652327	-0.049748792	0.960322574	0.999371363	Not Sig
ENSG00000163608	NEPRO	nucleolus and neural progenitor protein	25871	594.9224699	-0.03161654	0.496195255	-0.063717942	0.949194818	0.999371363	Not Sig
ENSG00000226664	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000231822	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000244060	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000244528	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000244738	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000251548	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000253174	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000267491	NA	NA	NA	0.668048191	-0.031528082	3.439327481	-0.009166932	0.992685949	NA	NA
ENSG00000211828	NA	NA	NA	0.939133463	-0.031466744	2.629303441	-0.011967711	0.990451376	NA	NA
ENSG00000248452	NA	NA	NA	0.939133463	-0.031466744	2.629303441	-0.011967711	0.990451376	NA	NA
ENSG00000259299	NA	NA	NA	0.939133463	-0.031466744	2.629303441	-0.011967711	0.990451376	NA	NA
ENSG00000228989	NA	NA	NA	52.85967753	-0.031331058	0.535401133	-0.058518848	0.953335349	0.999371363	Not Sig
ENSG00000172292	CERS6	ceramide synthase 6	253782	1431.779317	-0.031306811	0.547703294	-0.057160165	0.95441761	0.999371363	Not Sig
ENSG00000018699	TTC27	tetratricopeptide repeat domain 27	55622	438.2082055	-0.031283992	0.465072461	-0.06726692	0.946369211	0.999371363	Not Sig
ENSG00000140943	MBTPS1	membrane bound transcription factor peptidase, site 1	8720	3472.411309	-0.031147329	0.402874565	-0.07731272	0.938374772	0.999371363	Not Sig
ENSG00000099783	HNRNPM	heterogeneous nuclear ribonucleoprotein M	4670	3237.898205	-0.030931663	0.413794669	-0.074751236	0.940412641	0.999371363	Not Sig
ENSG00000244080	NA	NA	NA	2.636158358	-0.030430657	1.468984064	-0.020715444	0.983472649	NA	NA
ENSG00000175309	PHYKPL	5-phosphohydroxy-L-lysine phospho-lyase	85007	1777.97493	-0.030360169	0.463887215	-0.065447307	0.947817859	0.999371363	Not Sig
ENSG00000184489	PTP4A3	protein tyrosine phosphatase type IVA, member 3	11156	856.8901598	-0.030327939	0.538004827	-0.056371128	0.955046157	0.999371363	Not Sig
ENSG00000234709	NA	NA	NA	43.60741261	-0.030245295	0.567441875	-0.053301134	0.957491977	0.999371363	Not Sig
ENSG00000076513	ANKRD13A	ankyrin repeat domain 13A	88455	1717.439919	-0.030182207	0.469338848	-0.064307924	0.948725044	0.999371363	Not Sig
ENSG00000125779	PANK2	pantothenate kinase 2	80025	951.8196094	-0.029987372	0.437371862	-0.068562645	0.945337754	0.999371363	Not Sig

ENSG00000164663	USP49	ubiquitin specific peptidase 49	25862	388.0675559	-0.029927474	0.57867505	-0.051717235	0.958754004	0.999371363	Not Sig
ENSG00000126107	HECTD3	HECT domain E3 ubiquitin protein ligase 3	79654	1026.817931	-0.029505464	0.545325337	-0.054106167	0.956850579	0.999371363	Not Sig
ENSG00000203666	EFCAB2	EF-hand calcium binding domain 2	84288	435.377587	-0.029377985	0.517526037	-0.056766196	0.954731442	0.999371363	Not Sig
ENSG00000224415	NA	NA	NA	13.16545357	-0.029294304	0.806444783	-0.036325244	0.971023021	0.999371363	Not Sig
ENSG00000137656	BUD13	BUD13 homolog	84811	442.3397974	-0.02897269	0.458206491	-0.063230641	0.949582846	0.999371363	Not Sig
ENSG00000180902	D2HGDH	D-2-hydroxyglutarate dehydrogenase	728294	840.2886371	-0.028578588	0.570938054	-0.050055498	0.960078163	0.999371363	Not Sig
ENSG00000204618	RNF39	ring finger protein 39	80352	129.8002246	-0.028521029	0.608536278	-0.046868248	0.962618235	0.999371363	Not Sig
ENSG00000062485	CS	citrate synthase	1431	1911.905227	-0.028520536	0.395061621	-0.072192626	0.942448613	0.999371363	Not Sig
ENSG00000133316	WDR74	WD repeat domain 74	54663	457.1798811	-0.028425002	0.448284268	-0.063408432	0.949441273	0.999371363	Not Sig
ENSG00000163673	DCLK3	doublecortin like kinase 3	85443	7.081525071	-0.028380748	1.149430653	-0.024691136	0.980301326	0.999371363	Not Sig
ENSG00000067066	SP100	SP100 nuclear antigen	6672	2439.989841	-0.02832777	0.538259294	-0.052628482	0.958027923	0.999371363	Not Sig
ENSG00000066739	ATG2B	autophagy related 2B	55102	1979.391238	-0.028290075	0.486940252	-0.05809763	0.953670862	0.999371363	Not Sig
ENSG00000136167	LCP1	lymphocyte cytosolic protein 1	3936	5287.833521	-0.028125163	0.887876209	-0.031676897	0.974729719	0.999371363	Not Sig
ENSG00000137073	UBAP2	ubiquitin associated protein 2	55833	1173.296727	-0.028090089	0.430306304	-0.065279287	0.947951634	0.999371363	Not Sig
ENSG00000138029	HADHB	hydroxacyl-CoA dehydrogenase trifunctional multienzyme complex subunit beta	3032	1766.433618	-0.02802171	0.416172932	-0.06733189	0.94631749	0.999371363	Not Sig
ENSG00000117616	RSRP1	arginine and serine rich protein 1	57035	1835.063847	-0.028013374	0.39364864	-0.071163396	0.943267713	0.999371363	Not Sig
ENSG00000269999	NA	NA	NA	4.936994526	-0.028009191	1.141561617	-0.024535856	0.980425184	NA	NA
ENSG00000262979	NA	NA	NA	89.0664464	-0.027680259	0.814194828	-0.033997095	0.972879467	0.999371363	Not Sig
ENSG00000171566	PLRG1	pleiotropic regulator 1	5356	746.6479324	-0.027656146	0.440533062	-0.062778821	0.949942631	0.999371363	Not Sig
ENSG00000174013	FBX045	F-box protein 45	200933	366.2221657	-0.027424871	0.450237721	-0.060911979	0.951429309	0.999371363	Not Sig
ENSG00000130311	DDA1	DET1 and DDB1 associated 1	79016	611.4662181	-0.027332851	0.504458518	-0.054182554	0.95678972	0.999371363	Not Sig
ENSG00000117620	SLC35A3	solute carrier family 35 member A3	23443	990.2361925	-0.027280932	0.574249256	-0.047507126	0.962109051	0.999371363	Not Sig
ENSG00000176274	NA	NA	NA	123.5831233	-0.027258415	0.473739045	-0.057538883	0.954115933	0.999371363	Not Sig
ENSG00000077238	IL4R	interleukin 4 receptor	3566	2769.223458	-0.027172639	0.525398269	-0.051718173	0.958753256	0.999371363	Not Sig
ENSG00000174917	C19orf70	chromosome 19 open reading frame 70	125988	334.740063	-0.027089169	0.561947199	-0.048205897	0.96155215	0.999371363	Not Sig
ENSG00000175764	TLL11	tubulin tyrosine ligase like 11	158135	160.313315	-0.026811253	0.643966044	-0.041634576	0.96679001	0.999371363	Not Sig
ENSG00000181798	LINC00471	long intergenic non-protein coding RNA 471	151477	14.66499145	-0.026748943	0.936083305	-0.028575387	0.977203242	0.999371363	Not Sig
ENSG00000213399	NA	NA	NA	1.245838133	-0.026733884	2.136689679	-0.012511823	0.99001727	NA	NA
ENSG00000228981	NA	NA	NA	1.245838133	-0.026733884	2.136689679	-0.012511823	0.99001727	NA	NA
ENSG00000257210	NA	NA	NA	1.022539169	-0.02670157	2.592908907	-0.010297921	0.991783593	NA	NA
ENSG00000171853	TRAPPC12	trafficking protein particle complex 12	51112	1627.961137	-0.02661826	0.441983317	-0.060224581	0.951976768	0.999371363	Not Sig
ENSG00000132341	RAN	RAN, member RAS oncogene family	5901	2132.924001	-0.026533766	0.424978249	-0.062435586	0.950215957	0.999371363	Not Sig
ENSG00000198612	COPS8	COP9 signalosome subunit 8	10920	568.6008976	-0.026479956	0.553062463	-0.047878779	0.961812851	0.999371363	Not Sig
ENSG00000205744	DENND1C	DENN domain containing 1C	79958	258.3054155	-0.026211558	0.758382236	-0.034562463	0.972428634	0.999371363	Not Sig
ENSG00000167554	ZNF610	zinc finger protein 610	162963	82.66959103	-0.026166986	0.774640021	-0.033779543	0.973052949	0.999371363	Not Sig

ENSG00000243069	ARHGEF26-AS1	ARHGEF26 antisense RNA 1	100507524	89.98562096	-0.026155872	0.681766918	-0.038364831	0.969396801	0.999371363	Not Sig
ENSG00000258092	NA	NA	NA	8.602677638	-0.026151146	0.917069409	-0.028515995	0.977250611	0.999371363	Not Sig
ENSG00000163900	TMEM41A	transmembrane protein 41A	90407	762.115539	-0.026127371	0.491630114	-0.053144366	0.957616883	0.999371363	Not Sig
ENSG00000056277	ZNF280C	zinc finger protein 280C	55609	229.9128021	-0.025914654	0.700454655	-0.036996904	0.970487474	0.999371363	Not Sig
ENSG00000204052	LRRC73	leucine rich repeat containing 73	221424	37.45644469	-0.025806912	0.959540716	-0.026895068	0.978543428	0.999371363	Not Sig
ENSG00000099364	FBXL19	F-box and leucine rich repeat protein 19	54620	817.1907781	-0.025772432	0.511312603	-0.050404452	0.959800088	0.999371363	Not Sig
ENSG00000198718	TOGARAM1	TOG array regulator of axonemal microtubules 1	23116	988.0413677	-0.025675924	0.446717816	-0.05747683	0.954165362	0.999371363	Not Sig
ENSG00000221676	RNU6ATAC	RNA, U6atac small nuclear (U12-dependent splicing)	100151684	2.234894366	-0.025347307	1.761697254	-0.014388004	0.98852043	NA	NA
ENSG00000119596	YLPM1	YLP motif containing 1	56252	3085.229796	-0.024910023	0.429166044	-0.058042857	0.953714491	0.999371363	Not Sig
ENSG00000135469	COQ10A	coenzyme Q10A	93058	142.9673141	-0.024802092	0.485721007	-0.051062424	0.959275778	0.999371363	Not Sig
ENSG00000249858	NA	NA	NA	0.945570999	-0.024772551	2.331298514	-0.010626074	0.991521779	NA	NA
ENSG00000104267	CA2	carbonic anhydrase 2	760	437.117885	-0.024700834	0.894166762	-0.027624416	0.977961708	0.999371363	Not Sig
ENSG00000239213	NA	NA	NA	68.19859065	-0.024397356	0.504203649	-0.048387901	0.961407101	0.999371363	Not Sig
ENSG00000130363	RSPH3	radial spoke head 3 homolog	83861	755.1841271	-0.024263529	0.396357544	-0.061216265	0.951186976	0.999371363	Not Sig
ENSG00000175806	MSRA	methionine sulfoxide reductase A	4482	309.7159445	-0.023882339	0.524657411	-0.045519874	0.963692934	0.999371363	Not Sig
ENSG00000231534	NA	NA	NA	9.161708418	-0.023871492	0.992247982	-0.02405799	0.980806352	0.999371363	Not Sig
ENSG00000141391	PRELID3A	PRELI domain containing 3A	10650	44.89437857	-0.023837791	0.554446844	-0.042993826	0.965706456	0.999371363	Not Sig
ENSG00000102743	SLC25A15	solute carrier family 25 member 15	10166	128.8985433	-0.023761955	0.582787584	-0.040772926	0.967476923	0.999371363	Not Sig
ENSG00000139233	LLPH	LLP homolog, long-term synaptic facilitation	84298	128.6270912	-0.023236723	0.530870485	-0.043770982	0.965086958	0.999371363	Not Sig
ENSG00000143258	USP21	ubiquitin specific peptidase 21	27005	616.0508071	-0.023221898	0.479217125	-0.048457989	0.961351245	0.999371363	Not Sig
ENSG00000136925	TSTD2	thiosulfate sulfurtransferase like domain containing 2	158427	653.3776121	-0.023149459	0.420978827	-0.054989604	0.956146746	0.999371363	Not Sig
ENSG00000095015	MAP3K1	mitogen-activated protein kinase kinase kinase 1	4214	2295.765044	-0.022980495	0.38548498	-0.059614501	0.952462669	0.999371363	Not Sig
ENSG00000141428	C18orf21	chromosome 18 open reading frame 21	83608	149.8463865	-0.022962067	0.50380474	-0.045577314	0.963647151	0.999371363	Not Sig
ENSG00000165264	NDUFB6	NADH:ubiquinone oxidoreductase subunit B6	4712	239.9037052	-0.022851193	0.553247206	-0.041303767	0.96705373	0.999371363	Not Sig
ENSG00000115484	CCT4	chaperonin containing TCP1 subunit 4	10575	1982.660508	-0.022846543	0.437595946	-0.052209219	0.958361987	0.999371363	Not Sig
ENSG00000135966	TGFBRAP1	transforming growth factor beta receptor associated protein 1	9392	868.1572738	-0.022799672	0.423099343	-0.053887279	0.957024972	0.999371363	Not Sig
ENSG00000008517	IL32	interleukin 32	9235	1239.907511	-0.022769958	0.794246739	-0.02866862	0.977128884	0.999371363	Not Sig
ENSG00000172469	MANEA	mannosidase endo-alpha	79694	470.5923687	-0.022650926	0.756384698	-0.029946303	0.976109878	0.999371363	Not Sig
ENSG00000162736	NCSTN	nicastrin	23385	2600.01287	-0.022634767	0.400340245	-0.056538825	0.954912567	0.999371363	Not Sig
ENSG00000143971	ETAA1	ETAA1, ATR kinase activator	54465	465.5800096	-0.022592611	0.493782575	-0.045754169	0.963506188	0.999371363	Not Sig
ENSG00000141698	NT5C3B	5'-nucleotidase, cytosolic IIIB	115024	511.4314394	-0.022399157	0.492646782	-0.045466972	0.963735101	0.999371363	Not Sig
ENSG00000113648	H2AFY	H2A histone family member Y	9555	4219.446608	-0.022326937	0.388276855	-0.05750262	0.954144819	0.999371363	Not Sig
ENSG00000239466	NA	NA	NA	6.746302937	-0.022323277	0.981412182	-0.022746077	0.981852821	0.999371363	Not Sig
ENSG00000146776	ATXN7L1	ataxin 7 like 1	222255	402.2348576	-0.022229278	0.400505674	-0.055503028	0.955737717	0.999371363	Not Sig
ENSG00000178105	DDX10	DEAD-box helicase 10	1662	591.8508254	-0.022213666	0.467928619	-0.047472338	0.962136776	0.999371363	Not Sig

ENSG00000071242	RPS6KA2	ribosomal protein S6 kinase A2	6196	4332.782239	-0.022174094	0.608494464	-0.036440914	0.970930792	0.999371363	Not Sig
ENSG00000149262	INTS4	integrator complex subunit 4	92105	732.1153643	-0.022142351	0.45570369	-0.04858936	0.961246549	0.999371363	Not Sig
ENSG00000185862	EVI2B	ecotropic viral integration site 2B	2124	463.4566234	-0.02207344	0.84248241	-0.026200475	0.979097437	0.999371363	Not Sig
ENSG00000169504	CLIC4	chloride intracellular channel 4	25932	3768.361479	-0.022027509	0.461925616	-0.047686268	0.961966278	0.999371363	Not Sig
ENSG00000118482	PHF3	PHD finger protein 3	23469	4326.7789	-0.022023366	0.50834041	-0.043324051	0.965443219	0.999371363	Not Sig
ENSG00000145388	METTL14	methyltransferase like 14	57721	665.6257164	-0.021913119	0.422470654	-0.051868974	0.958633096	0.999371363	Not Sig
ENSG00000213064	SFT2D2	SFT2 domain containing 2	375035	4189.949422	-0.021835296	0.495855838	-0.044035573	0.964876048	0.999371363	Not Sig
ENSG00000169992	NLGN2	neuroligin 2	57555	527.5878134	-0.021824512	0.487076666	-0.04480714	0.964261034	0.999371363	Not Sig
ENSG00000228172	NA	NA	NA	16.70450052	-0.021789679	0.784509278	-0.027774916	0.977841673	0.999371363	Not Sig
ENSG00000156345	CDK20	cyclin dependent kinase 20	23552	127.8019872	-0.021558643	0.749604047	-0.028760041	0.97705597	0.999371363	Not Sig
ENSG00000204348	DXO	decapping exoribonuclease	1797	298.0221418	-0.021540842	0.534273314	-0.04031802	0.967839587	0.999371363	Not Sig
ENSG00000237441	RGL2	ral guanine nucleotide dissociation stimulator like 2	5863	2491.082147	-0.021427152	0.505991716	-0.042346843	0.966222203	0.999371363	Not Sig
ENSG00000263439	MIR4753	microRNA 4753	100616224	6.909073566	-0.021305528	1.032909933	-0.020626705	0.983543438	0.999371363	Not Sig
ENSG00000124766	SOX4	SRY-box 4	6659	6253.785977	-0.021191115	0.639411231	-0.033141607	0.973561664	0.999371363	Not Sig
ENSG00000075336	TIMM21	translocase of inner mitochondrial membrane 21	29090	217.4089259	-0.021010417	0.453875572	-0.046291139	0.963078202	0.999371363	Not Sig
ENSG00000155304	HSPA13	heat shock protein family A (Hsp70) member 13	6782	865.290827	-0.020914414	0.558669251	-0.037436129	0.970137266	0.999371363	Not Sig
ENSG00000109618	SEPSECS	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase	51091	389.7354778	-0.020907789	0.523707899	-0.039922615	0.968154821	0.999371363	Not Sig
ENSG00000118898	PPL	periplakin	5493	4002.360412	-0.020771183	0.634205133	-0.032751522	0.973872738	0.999371363	Not Sig
ENSG00000104884	ERCC2	ERCC excision repair 2, TFIIH core complex helicase subunit	2068	425.8648778	-0.020646395	0.428836575	-0.048145135	0.961600575	0.999371363	Not Sig
ENSG00000101266	CSNK2A1	casein kinase 2 alpha 1	1457	1989.383496	-0.020632485	0.459035177	-0.044947503	0.964149154	0.999371363	Not Sig
ENSG00000168476	REEP4	receptor accessory protein 4	80346	357.6130008	-0.020554365	0.600980082	-0.034201407	0.972716544	0.999371363	Not Sig
ENSG00000269553	NA	NA	NA	3.859667172	-0.020464168	1.490420871	-0.013730463	0.98904502	NA	NA
ENSG00000239791	NA	NA	NA	3.097059659	-0.020448118	1.335923849	-0.01530635	0.987787777	NA	NA
ENSG00000273002	LOC107985209	uncharacterized LOC107985209	107985209	27.22632047	-0.020444486	0.97974591	-0.020867131	0.983351647	0.999371363	Not Sig
ENSG00000114450	GNB4	G protein subunit beta 4	59345	774.8346057	-0.020328979	0.579414828	-0.035085363	0.972011673	0.999371363	Not Sig
ENSG00000188404	SELL	selectin L	6402	353.2832027	-0.020323956	0.8187703	-0.024822537	0.980196515	0.999371363	Not Sig
ENSG00000187147	RNF220	ring finger protein 220	55182	1233.815617	-0.020281724	0.482984247	-0.041992517	0.966504663	0.999371363	Not Sig
ENSG00000255232	NA	NA	NA	3.519064558	-0.02025201	1.361216988	-0.01487787	0.988129615	NA	NA
ENSG00000201882	NA	NA	NA	8.768171705	-0.020069327	0.972010124	-0.020647241	0.983527056	0.999371363	Not Sig
ENSG00000072682	P4HA2	prolyl 4-hydroxylase subunit alpha 2	8974	1218.622497	-0.020031323	0.646882337	-0.030965945	0.975296699	0.999371363	Not Sig
ENSG00000173068	BNC2	basonuclin 2	54796	489.1516507	-0.019904988	0.449693113	-0.044263493	0.964694371	0.999371363	Not Sig
ENSG00000066933	MYO9A	myosin IXA	4649	3086.893969	-0.019770346	0.394956316	-0.050057045	0.96007693	0.999371363	Not Sig
ENSG00000116151	MORN1	MORN repeat containing 1	79906	380.892194	-0.01970972	0.497716993	-0.039600255	0.968411824	0.999371363	Not Sig
ENSG00000135847	NA	NA	NA	558.2254422	-0.019625396	0.442943463	-0.044306774	0.964659872	0.999371363	Not Sig
ENSG00000229769	NA	NA	NA	1.396757761	-0.019587151	2.114567975	-0.009262956	0.992609336	NA	NA

ENSG00000237988	NA	NA	NA	1.396757761	-0.019587151	2.114567975	-0.009262956	0.992609336	NA	NA
ENSG00000164347	GFM2	G elongation factor mitochondrial 2	84340	525.8817011	-0.019048132	0.47557614	-0.040052749	0.968051072	0.999371363	Not Sig
ENSG00000174374	NA	NA	NA	419.3353865	-0.018874411	0.554228787	-0.034055269	0.972833078	0.999371363	Not Sig
ENSG00000124214	STAU1	staufen double-stranded RNA binding protein 1	6780	2395.28591	-0.018774505	0.454776968	-0.041282883	0.967070378	0.999371363	Not Sig
ENSG00000196405	EVL	Enah/Vasp-like	51466	2037.233354	-0.018753642	0.600509332	-0.031229559	0.975086467	0.999371363	Not Sig
ENSG00000249863	NA	NA	NA	28.46550287	-0.018737309	0.607382527	-0.030849272	0.975389746	0.999371363	Not Sig
ENSG00000123297	TSMF	Ts translation elongation factor, mitochondrial	10102	192.9949306	-0.018716412	0.483684616	-0.038695487	0.969133172	0.999371363	Not Sig
ENSG00000184304	PRKD1	protein kinase D1	5587	354.3656092	-0.018614436	0.546570513	-0.034056788	0.972831866	0.999371363	Not Sig
ENSG00000115170	ACVR1	activin A receptor type 1	90	1072.454723	-0.018234281	0.417116755	-0.043715054	0.965131539	0.999371363	Not Sig
ENSG00000123473	STIL	STIL, centriolar assembly protein	6491	238.782446	-0.018233709	0.927204044	-0.019665261	0.984310403	0.999371363	Not Sig
ENSG00000161996	WDR90	WD repeat domain 90	197335	817.6876052	-0.018140298	0.475897167	-0.038118104	0.969593517	0.999371363	Not Sig
ENSG00000118513	MYB	MYB proto-oncogene, transcription factor	4602	186.5785294	-0.017908292	0.481404729	-0.037200075	0.970325478	0.999371363	Not Sig
ENSG00000174456	C12orf76	chromosome 12 open reading frame 76	400073	237.9787305	-0.017877662	0.531603696	-0.03362968	0.973172455	0.999371363	Not Sig
ENSG00000056097	ZFR	zinc finger RNA binding protein	51663	2245.133373	-0.01776539	0.450020952	-0.039476806	0.968510246	0.999371363	Not Sig
ENSG00000116117	PARD3B	par-3 family cell polarity regulator beta	117583	1180.516317	-0.01766303	0.552835656	-0.031949875	0.974512024	0.999371363	Not Sig
ENSG00000253341	NA	NA	NA	11.70670619	-0.017577178	0.869002125	-0.020226852	0.983862407	0.999371363	Not Sig
ENSG00000186871	ERCC6L	ERCC excision repair 6 like, spindle assembly checkpoint helicase	54821	41.42840291	-0.017454261	1.115880575	-0.015641692	0.987520244	0.999371363	Not Sig
ENSG00000153774	CFDP1	craniofacial development protein 1	10428	608.8601564	-0.017121316	0.406640979	-0.042104255	0.966415588	0.999371363	Not Sig
ENSG00000110324	IL10RA	interleukin 10 receptor subunit alpha	3587	1421.549111	-0.017119936	0.784223734	-0.021830423	0.982583226	0.999371363	Not Sig
ENSG00000085978	ATG16L1	autophagy related 16 like 1	55054	781.7887783	-0.017019468	0.415978536	-0.040914295	0.967364221	0.999371363	Not Sig
ENSG00000187244	BCAM	basal cell adhesion molecule (Lutheran blood group)	4059	6270.962331	-0.016959341	0.535973213	-0.031642143	0.974757435	0.999371363	Not Sig
ENSG00000248592	TMEM110-MUSTN1	TMEM110-MUSTN1 readthrough	100526772	16.72158308	-0.016905896	0.849767517	-0.01989473	0.984127349	0.999371363	Not Sig
ENSG00000205138	SDHAF1	succinate dehydrogenase complex assembly factor 1	644096	209.9966864	-0.016887439	0.672895345	-0.02509668	0.979977849	0.999371363	Not Sig
ENSG00000010671	BTK	Bruton tyrosine kinase	695	393.6649264	-0.016742017	0.879519967	-0.019035403	0.984812863	0.999371363	Not Sig
ENSG00000181450	ZNF678	zinc finger protein 678	339500	731.5494438	-0.016735262	0.661350507	-0.025304679	0.979811942	0.999371363	Not Sig
ENSG00000261744	NA	NA	NA	14.44633048	-0.01673178	0.93136215	-0.017964849	0.985666896	0.999371363	Not Sig
ENSG00000197045	GMFB	glia maturation factor beta	2764	1141.453193	-0.016553601	0.620087949	-0.026695569	0.978702547	0.999371363	Not Sig
ENSG00000202601	MIR582	microRNA 582	693167	1.674695576	-0.016536136	2.643497642	-0.0062554	0.995008945	NA	NA
ENSG00000103855	CD276	CD276 molecule	80381	1483.438531	-0.016522808	0.485831305	-0.034009353	0.972869693	0.999371363	Not Sig
ENSG00000049883	PTCD2	pentatricopeptide repeat domain 2	79810	162.3237879	-0.01643156	0.475158931	-0.034581187	0.972413703	0.999371363	Not Sig
ENSG00000183207	RUVBL2	RuvB like AAA ATPase 2	10856	780.8340926	-0.016409525	0.495249234	-0.033133872	0.973567832	0.999371363	Not Sig
ENSG00000253542	SDR16C6P	short chain dehydrogenase/reductase family 16C member 6, pseudogene	442388	1.674280568	-0.016376754	1.794374565	-0.00912672	0.992718032	NA	NA
ENSG00000266146	MIR5190	microRNA 5190	100847080	12.87633454	-0.016144116	0.955703404	-0.016892392	0.986522463	0.999371363	Not Sig
ENSG00000165030	NFIL3	nuclear factor, interleukin 3 regulated	4783	586.1877951	-0.015823213	0.463148034	-0.034164482	0.972745989	0.999371363	Not Sig
ENSG00000147118	ZNF182	zinc finger protein 182	7569	268.4808554	-0.015822615	0.499731639	-0.031662223	0.974741421	0.999371363	Not Sig

ENSG00000240669	NA	NA	NA	1.329243839	-0.015761566	2.382323979	-0.006616047	0.994721197	NA	NA
ENSG00000257752	NA	NA	NA	8.560870096	-0.015743195	0.959562083	-0.016406646	0.986909978	0.999371363	Not Sig
ENSG00000204209	DAXX	death domain associated protein	1616	943.025756	-0.015679857	0.511292361	-0.030667105	0.975535025	0.999371363	Not Sig
ENSG00000187008	NA	NA	NA	15.30693442	-0.01559188	0.825128049	-0.018896316	0.984923818	0.999371363	Not Sig
ENSG00000119185	ITGB1BP1	integrin subunit beta 1 binding protein 1	9270	525.6573289	-0.015518239	0.43608422	-0.035585417	0.971612937	0.999371363	Not Sig
ENSG00000262879	NA	NA	NA	276.5187707	-0.015487288	0.462282343	-0.033501794	0.973274435	0.999371363	Not Sig
ENSG00000108465	CDK5RAP3	CDK5 regulatory subunit associated protein 3	80279	1947.420473	-0.015208213	0.451148244	-0.033710013	0.973108394	0.999371363	Not Sig
ENSG00000218283	NA	NA	NA	257.3287779	-0.015188397	0.490140423	-0.030987847	0.975279231	0.999371363	Not Sig
ENSG00000228205	NA	NA	NA	4.405562591	-0.015054479	1.428956969	-0.010535292	0.991594208	NA	NA
ENSG00000088298	EDEM2	ER degradation enhancing alpha-mannosidase like protein 2	55741	853.0129564	-0.015015648	0.483531022	-0.031054157	0.975226349	0.999371363	Not Sig
ENSG00000250011	NA	NA	NA	9.658843563	-0.014891428	0.95819212	-0.015541171	0.987600439	0.999371363	Not Sig
ENSG00000240682	ISY1	ISY1 splicing factor homolog	57461	214.2837353	-0.014834181	0.565912366	-0.026212859	0.97908756	0.999371363	Not Sig
ENSG00000212607	SNORA3B	small nucleolar RNA, H/ACA box 3B	677826	11.76704184	-0.014783964	0.934831861	-0.01581457	0.987382325	0.999371363	Not Sig
ENSG00000198841	KTI12	KTI12 chromatin associated homolog	112970	138.9547525	-0.014719843	0.528324368	-0.027861375	0.977772715	0.999371363	Not Sig
ENSG00000198818	SFT2D1	SFT2 domain containing 1	113402	590.0283307	-0.014680399	0.478033973	-0.030709949	0.975500857	0.999371363	Not Sig
ENSG00000168434	COG7	component of oligomeric golgi complex 7	91949	797.3805723	-0.014538229	0.426543407	-0.034083821	0.97281031	0.999371363	Not Sig
ENSG00000197062	ZSCAN26	zinc finger and SCAN domain containing 26	7741	320.8247875	-0.014477323	0.489631312	-0.029567804	0.976411743	0.999371363	Not Sig
ENSG00000198429	ZNF69	zinc finger protein 69	7620	256.942836	-0.014310612	0.489268252	-0.02924901	0.976665994	0.999371363	Not Sig
ENSG00000112033	PPARD	peroxisome proliferator activated receptor delta	5467	1355.104148	-0.014286392	0.47145175	-0.030302978	0.975825422	0.999371363	Not Sig
ENSG00000172578	KLHL6	kelch like family member 6	89857	730.0801595	-0.014149751	0.800925452	-0.017666752	0.985904705	0.999371363	Not Sig
ENSG00000198824	CHAMP1	chromosome alignment maintaining phosphoprotein 1	283489	561.4949539	-0.014005659	0.424058676	-0.033027644	0.973652543	0.999371363	Not Sig
ENSG00000218426	NA	NA	NA	45.47538159	-0.01400188	0.611117936	-0.022911911	0.98172054	0.999371363	Not Sig
ENSG00000174775	HRAS	HRas proto-oncogene, GTPase	3265	380.696236	-0.013887053	0.618526964	-0.022451815	0.982087548	0.999371363	Not Sig
ENSG00000072818	ACAP1	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	9744	350.1956901	-0.013836622	0.69901008	-0.019794596	0.984207229	0.999371363	Not Sig
ENSG00000249055	NA	NA	NA	4.134306309	-0.013675249	1.481166939	-0.009232754	0.992633433	NA	NA
ENSG00000174132	FAM174A	family with sequence similarity 174 member A	345757	374.242933	-0.013665479	0.606931188	-0.022515698	0.98203659	0.999371363	Not Sig
ENSG00000151612	ZNF827	zinc finger protein 827	152485	943.5194634	-0.013663047	0.509940957	-0.026793339	0.978624526	0.999371363	Not Sig
ENSG00000177045	SIX5	SIX homeobox 5	147912	451.1893222	-0.013294618	0.612040238	-0.021721803	0.982669871	0.999371363	Not Sig
ENSG00000151640	DPYSL4	dihydropyrimidinase like 4	10570	19.73001734	-0.013256277	0.741394569	-0.017880191	0.985734431	0.999371363	Not Sig
ENSG00000105750	ZNF85	zinc finger protein 85	7639	117.213556	-0.013014253	0.651341651	-0.019980685	0.98405878	0.999371363	Not Sig
ENSG00000092199	HNRNPC	heterogeneous nuclear ribonucleoprotein C (C1/C2)	3183	7181.162168	-0.012801703	0.450032654	-0.028446165	0.977306305	0.999371363	Not Sig
ENSG00000173085	COQ2	coenzyme Q2, polyprenyltransferase	27235	297.0346445	-0.012701623	0.487304305	-0.026065075	0.979205434	0.999371363	Not Sig
ENSG00000171608	PIK3CD	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta	5293	883.9327574	-0.012603094	0.766020884	-0.016452677	0.986873256	0.999371363	Not Sig
ENSG00000188958	UTS2B	urotensin 2B	257313	7.364688648	-0.012466289	1.272300781	-0.009798225	0.992182273	0.999371363	Not Sig
ENSG00000104177	MYEF2	myelin expression factor 2	50804	849.9869307	-0.012457734	0.631337945	-0.019732274	0.984256945	0.999371363	Not Sig

ENSG00000174197	MGA	MGA, MAX dimerization protein	23269	3229.503611	-0.012412108	0.496554566	-0.024996463	0.980057785	0.999371363	Not Sig
ENSG00000173812	EIF1	eukaryotic translation initiation factor 1	10209	5315.277329	-0.012408727	0.427250953	-0.029043181	0.976830152	0.999371363	Not Sig
ENSG00000142937	RPS8	ribosomal protein S8	6202	8887.530822	-0.012387859	0.479123697	-0.025855242	0.979372799	0.999371363	Not Sig
ENSG00000124383	MPHOSPH10	M-phase phosphoprotein 10	10199	706.2687191	-0.012116341	0.423008944	-0.028643226	0.977149137	0.999371363	Not Sig
ENSG00000140987	ZSCAN32	zinc finger and SCAN domain containing 32	54925	322.8628873	-0.012058747	0.44196663	-0.027284312	0.978232969	0.999371363	Not Sig
ENSG00000159256	MORC3	MORC family CW-type zinc finger 3	23515	1380.987265	-0.011932854	0.433268628	-0.027541468	0.978027866	0.999371363	Not Sig
ENSG00000122692	SMU1	SMU1, DNA replication regulator and spliceosomal factor	55234	1193.657715	-0.011906784	0.481740428	-0.024716182	0.980281347	0.999371363	Not Sig
ENSG00000239159	NA	NA	NA	12.43230574	-0.011747828	0.902319478	-0.013019589	0.989612165	0.999371363	Not Sig
ENSG00000224699	NA	NA	NA	27.48093705	-0.011713026	0.63102715	-0.018561841	0.985190644	0.999371363	Not Sig
ENSG00000154719	MRPL39	mitochondrial ribosomal protein L39	54148	176.1617167	-0.011624103	0.552233711	-0.021049246	0.983206371	0.999371363	Not Sig
ENSG00000106511	MEOX2	mesenchyme homeobox 2	4223	195.060907	-0.011622703	0.732820647	-0.015860228	0.987345899	0.999371363	Not Sig
ENSG00000163041	H3F3A	H3 histone family member 3A	3020	3323.206943	-0.011536352	0.420194017	-0.027454821	0.978096974	0.999371363	Not Sig
ENSG00000119715	ESRRB	estrogen related receptor beta	2103	4.511408571	-0.011516096	1.416288617	-0.008131179	0.993512329	NA	NA
ENSG00000100316	RPL3	ribosomal protein L3	6122	18362.64481	-0.01148594	0.514113892	-0.022341237	0.982175755	0.999371363	Not Sig
ENSG00000256323	NA	NA	NA	48.08196512	-0.011435838	0.951872541	-0.012014043	0.990414411	0.999371363	Not Sig
ENSG00000065526	SPEN	spen family transcriptional repressor	23013	5291.013773	-0.011394718	0.431770338	-0.026390693	0.978945717	0.999371363	Not Sig
ENSG00000164609	SLU7	SLU7 homolog, splicing factor	10569	1115.89821	-0.011389469	0.468714581	-0.024299371	0.980613815	0.999371363	Not Sig
ENSG00000124172	ATP5E	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit	514	1302.972636	-0.011345279	0.485138107	-0.023385669	0.981342636	0.999371363	Not Sig
ENSG00000259424	NA	NA	NA	1.028976704	-0.011264624	2.590545118	-0.00434836	0.996530521	NA	NA
ENSG00000268677	NA	NA	NA	2.798380937	-0.011246281	1.731985577	-0.006493288	0.994819142	NA	NA
ENSG00000122882	ECD	ecdysoneless cell cycle regulator	11319	606.9989768	-0.011210143	0.448869829	-0.024974152	0.980075581	0.999371363	Not Sig
ENSG00000159618	ADGRG5	adhesion G protein-coupled receptor G5	221188	121.7944943	-0.011185527	0.760393601	-0.014710181	0.988263397	0.999371363	Not Sig
ENSG00000197363	ZNF517	zinc finger protein 517	340385	215.3174778	-0.011139872	0.553506447	-0.020126003	0.983942857	0.999371363	Not Sig
ENSG00000220472	NA	NA	NA	1.92032386	-0.011102121	2.107110874	-0.005268883	0.995796059	NA	NA
ENSG00000223336	NA	NA	NA	46.53999331	-0.011041075	0.554366496	-0.019916563	0.984109932	0.999371363	Not Sig
ENSG00000149633	KIAA1755	KIAA1755	85449	178.7862241	-0.010946256	0.574695665	-0.019047049	0.984803573	0.999371363	Not Sig
ENSG00000140983	RHOT2	ras homolog family member T2	89941	1543.742594	-0.010915013	0.504155729	-0.021650082	0.982727084	0.999371363	Not Sig
ENSG00000257513	NA	NA	NA	1.764538817	-0.01078483	2.301657819	-0.004685679	0.996261383	NA	NA
ENSG00000087502	ERGIC2	ERGIC and golgi 2	51290	1084.697011	-0.010689292	0.671380991	-0.01592135	0.987297138	0.999371363	Not Sig
ENSG00000163466	ARPC2	actin related protein 2/3 complex subunit 2	10109	3927.73382	-0.010555179	0.443147993	-0.023818632	0.980997278	0.999371363	Not Sig
ENSG00000035928	RFC1	replication factor C subunit 1	5981	1740.577023	-0.010468008	0.416063625	-0.025159633	0.979927635	0.999371363	Not Sig
ENSG00000133665	DYDC2	DPY30 domain containing 2	84332	17.34990792	-0.010307858	1.241618815	-0.008301951	0.993376078	0.999371363	Not Sig
ENSG00000145050	MANF	mesencephalic astrocyte derived neurotrophic factor	7873	1082.685609	-0.010252384	0.63092174	-0.01624985	0.987035066	0.999371363	Not Sig
ENSG00000163683	SMIM14	small integral membrane protein 14	201895	2663.953382	-0.010025162	0.549234427	-0.018252974	0.985437043	0.999371363	Not Sig
ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2	5819	2334.674978	-0.009792075	0.442073613	-0.022150327	0.982328041	0.999371363	Not Sig

ENSG00000259736	CRTC3-AS1	CRTC3 antisense RNA 1	101926895	10.83679828	-0.009586134	0.942213803	-0.010174054	0.99188242	0.999371363	Not Sig
ENSG00000266305	MIR4518	microRNA 4518	100616405	2.197846667	-0.009522702	1.791947314	-0.005314164	0.99575993	NA	NA
ENSG00000066084	DIP2B	disco interacting protein 2 homolog B	57609	2020.328688	-0.009491326	0.432282814	-0.021956289	0.982482823	0.999371363	Not Sig
ENSG00000197448	GSTK1	glutathione S-transferase kappa 1	373156	1548.732349	-0.009464029	0.543280254	-0.01742016	0.986101426	0.999371363	Not Sig
ENSG00000151617	EDNRA	endothelin receptor type A	1909	696.5675534	-0.009429418	0.477331729	-0.019754433	0.984239268	0.999371363	Not Sig
ENSG00000106624	AEBP1	AE binding protein 1	165	7386.034257	-0.009391259	0.499172937	-0.018813639	0.984989773	0.999371363	Not Sig
ENSG00000139644	TMBIM6	transmembrane BAX inhibitor motif containing 6	7009	13386.63208	-0.009156179	0.395344222	-0.023160016	0.981522633	0.999371363	Not Sig
ENSG00000260475	NA	NA	NA	6.065933119	-0.009129553	1.098518611	-0.008310786	0.993369028	NA	NA
ENSG00000100376	FAM118A	family with sequence similarity 118 member A	55007	461.379448	-0.009058777	0.395991539	-0.022876171	0.981749048	0.999371363	Not Sig
ENSG00000015568	RGPD5	RANBP2-like and GRIP domain containing 5	84220	6.578661511	-0.008950389	1.101232501	-0.008127611	0.993515176	0.999371363	Not Sig
ENSG00000161179	YDJC	YdjC chitoooligosaccharide deacetylase homolog	150223	292.6902162	-0.008689947	0.502956883	-0.017277718	0.986215062	0.999371363	Not Sig
ENSG00000165169	DYNLT3	dynein light chain Tctex-type 3	6990	444.048761	-0.008628232	0.700046926	-0.012325219	0.990166147	0.999371363	Not Sig
ENSG00000120333	MRPS14	mitochondrial ribosomal protein S14	63931	429.229535	-0.008532639	0.488583305	-0.017464042	0.986066419	0.999371363	Not Sig
ENSG00000235088	NA	NA	NA	28.21206642	-0.008444774	0.666977825	-0.012661251	0.989898053	0.999371363	Not Sig
ENSG00000087008	ACOX3	acyl-CoA oxidase 3, pristanoyl	8310	557.5257725	-0.008427643	0.478825521	-0.017600656	0.985957433	0.999371363	Not Sig
ENSG00000267848	NA	NA	NA	12.77490639	-0.008344377	0.809352319	-0.010309944	0.991774001	0.999371363	Not Sig
ENSG00000181284	TMEM102	transmembrane protein 102	284114	163.9660582	-0.008301259	0.603101125	-0.01376429	0.989018032	0.999371363	Not Sig
ENSG00000092094	OSGEP	O-sialoglycoprotein endopeptidase	55644	529.6930023	-0.008261356	0.398841894	-0.020713362	0.98347431	0.999371363	Not Sig
ENSG00000269560	NA	NA	NA	20.94427714	-0.008038656	0.691078404	-0.011632047	0.990719179	0.999371363	Not Sig
ENSG00000047932	GOPC	golgi associated PDZ and coiled-coil motif containing	57120	1157.151915	-0.007993958	0.516220432	-0.015485551	0.987644812	0.999371363	Not Sig
ENSG00000187239	FNBP1	formin binding protein 1	23048	1835.991995	-0.007956984	0.493293853	-0.016130312	0.987130431	0.999371363	Not Sig
ENSG00000230212	LOC100133286	uncharacterized LOC100133286	100133286	7.419880943	-0.007876468	1.440793128	-0.005466759	0.995638179	0.999371363	Not Sig
ENSG00000254685	FPGT	fucose-1-phosphate guanylyltransferase	8790	268.9126623	-0.007873313	0.676277922	-0.011642127	0.990711137	0.999371363	Not Sig
ENSG00000225200	NA	NA	NA	6.614652154	-0.007839924	1.130554665	-0.006934582	0.994467048	0.999371363	Not Sig
ENSG00000264810	MIR4441	microRNA 4441	100616493	1.557391926	-0.007809378	2.055395642	-0.003799452	0.996968483	NA	NA
ENSG00000196646	ZNF136	zinc finger protein 136	7695	313.5628186	-0.007804028	0.492118029	-0.015858041	0.987347644	0.999371363	Not Sig
ENSG00000200871	NA	NA	NA	0.645303864	-0.007793218	2.986680675	-0.002609324	0.997918063	NA	NA
ENSG00000213994	NA	NA	NA	0.645303864	-0.007793218	2.986680675	-0.002609324	0.997918063	NA	NA
ENSG00000242276	NA	NA	NA	0.645303864	-0.007793218	2.986680675	-0.002609324	0.997918063	NA	NA
ENSG00000259516	ANP32AP1	acidic nuclear phosphoprotein 32 family member A pseudogene 1	723972	0.645303864	-0.007793218	2.986680675	-0.002609324	0.997918063	NA	NA
ENSG00000259986	NA	NA	NA	0.645303864	-0.007793218	2.986680675	-0.002609324	0.997918063	NA	NA
ENSG00000179168	GGN	gametogenetin	199720	9.733626125	-0.007689948	0.914415039	-0.008409691	0.993290117	0.999371363	Not Sig
ENSG00000261697	LOC101928682	uncharacterized LOC101928682	101928682	4.438874517	-0.00765057	1.186766452	-0.006446567	0.994856419	NA	NA
ENSG00000105520	PLPPR2	phospholipid phosphatase related 2	64748	415.5699774	-0.007590169	0.625365408	-0.012137174	0.990316174	0.999371363	Not Sig
ENSG00000164713	BRI3	brain protein I3	25798	1907.252156	-0.007484593	0.569306316	-0.013146864	0.989510623	0.999371363	Not Sig

ENSG00000204977	TRIM13	tripartite motif containing 13	10206	737.7074051	-0.007458447	0.467468994	-0.015954956	0.987270327	0.999371363	Not Sig
ENSG00000153207	AHCTF1	AT-hook containing transcription factor 1	25909	2672.119338	-0.007443907	0.510354659	-0.014585754	0.988362665	0.999371363	Not Sig
ENSG00000182362	YBEY	ybeY metalloproteinase (putative)	54059	219.2992788	-0.007262109	0.5306594	-0.013685067	0.989081237	0.999371363	Not Sig
ENSG00000100461	RBM23	RNA binding motif protein 23	55147	1513.112729	-0.00726108	0.436342342	-0.016640787	0.986723186	0.999371363	Not Sig
ENSG00000185187	SIGIRR	single Ig and TIR domain containing	59307	902.5463191	-0.007126902	0.621516232	-0.01146696	0.99085089	0.999371363	Not Sig
ENSG00000213062	NA	NA	NA	37.64342116	-0.006866526	0.874257394	-0.007854124	0.99373338	0.999371363	Not Sig
ENSG00000198924	DCLRE1A	DNA cross-link repair 1A	9937	280.0981559	-0.006854804	0.538684839	-0.012725072	0.989847135	0.999371363	Not Sig
ENSG00000107438	PDLIM1	PDZ and LIM domain 1	9124	2041.914127	-0.006821388	0.691526773	-0.009864243	0.9921296	0.999371363	Not Sig
ENSG00000119004	CYP20A1	cytochrome P450 family 20 subfamily A member 1	57404	546.9977652	-0.006729001	0.404919631	-0.016618115	0.986741273	0.999371363	Not Sig
ENSG00000164022	AIMP1	aminoacyl tRNA synthetase complex interacting multifunctional protein 1	9255	736.094643	-0.006711811	0.449837326	-0.01492053	0.988095581	0.999371363	Not Sig
ENSG00000143376	SNX27	sorting nexin family member 27	81609	1907.362938	-0.006684619	0.385262538	-0.017350815	0.986156747	0.999371363	Not Sig
ENSG00000143970	ASXL2	additional sex combs like 2, transcriptional regulator	55252	2369.984339	-0.00654119	0.420056521	-0.015572167	0.987575711	0.999371363	Not Sig
ENSG00000132406	TMEM128	transmembrane protein 128	85013	344.0575214	-0.006303199	0.488564734	-0.012901461	0.989706409	0.999371363	Not Sig
ENSG00000134440	NARS	asparaginyl-tRNA synthetase	4677	2328.203772	-0.006281432	0.430746672	-0.014582658	0.988365134	0.999371363	Not Sig
ENSG00000259151	NA	NA	NA	51.12527795	-0.006265387	0.577639695	-0.010846532	0.99134589	0.999371363	Not Sig
ENSG00000229917	NA	NA	NA	23.98602265	-0.006259067	0.691945959	-0.009045601	0.992782753	0.999371363	Not Sig
ENSG00000212418	NA	NA	NA	4.04378777	-0.006254085	1.37470722	-0.004549394	0.996370121	NA	NA
ENSG00000160392	C19orf47	chromosome 19 open reading frame 47	126526	270.0141788	-0.006182163	0.554102113	-0.011157082	0.991098121	0.999371363	Not Sig
ENSG00000185236	RAB11B	RAB11B, member RAS oncogene family	9230	1888.010386	-0.005928249	0.522278398	-0.011350745	0.99094361	0.999371363	Not Sig
ENSG00000102125	TAZ	tafazzin	6901	521.7182878	-0.005687109	0.5797357	-0.00980983	0.992173013	0.999371363	Not Sig
ENSG00000157782	CABP1	calcium binding protein 1	9478	9.423793787	-0.005667935	1.070834338	-0.005293008	0.99577681	0.999371363	Not Sig
ENSG00000118680	MYL12B	myosin light chain 12B	103910	3807.687672	-0.005651113	0.444389736	-0.012716569	0.98985392	0.999371363	Not Sig
ENSG00000237238	NA	NA	NA	172.9028604	-0.005502161	0.550476673	-0.009995267	0.992025064	0.999371363	Not Sig
ENSG00000164442	CITED2	Cbp/p80 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2	10370	3126.421284	-0.005414893	0.559195167	-0.009683368	0.992273911	0.999371363	Not Sig
ENSG00000256731	NA	NA	NA	41.84046889	-0.005035642	1.049687376	-0.004797277	0.996172341	0.999371363	Not Sig
ENSG00000174177	CTU2	cytosolic thiouridylase subunit 2	348180	228.901827	-0.004752438	0.586437313	-0.008103915	0.993534082	0.999371363	Not Sig
ENSG00000110619	CARS	cysteinyl-tRNA synthetase	833	1010.551658	-0.004633552	0.432687973	-0.010708761	0.991455808	0.999371363	Not Sig
ENSG00000162851	TFB2M	transcription factor B2, mitochondrial	64216	282.5590356	-0.004574431	0.615830608	-0.007428067	0.994073315	0.999371363	Not Sig
ENSG00000259470	NA	NA	NA	1.534647599	-0.004472633	2.356421816	-0.001898061	0.998485567	NA	NA
ENSG00000248278	LOC105371814	uncharacterized LOC105371814	105371814	4.278500641	-0.004343788	1.271974384	-0.003414997	0.997275232	NA	NA
ENSG00000225611	LINC02158	long intergenic non-protein coding RNA 2158	729083	2.542883397	-0.004163386	1.644766523	-0.002531293	0.997980323	NA	NA
ENSG00000162642	C1orf52	chromosome 1 open reading frame 52	148423	421.0580366	-0.003987546	0.565340878	-0.007053348	0.994372289	0.999371363	Not Sig
ENSG00000188554	NBR1	NBR1, autophagy cargo receptor	4077	3674.384778	-0.003780175	0.431416892	-0.008762232	0.99300884	0.999371363	Not Sig
ENSG00000147576	ADHFE1	alcohol dehydrogenase, iron containing 1	137872	199.3642488	-0.003736647	0.799063373	-0.004676282	0.99626888	0.999371363	Not Sig
ENSG00000002549	LAP3	leucine aminopeptidase 3	51056	2137.206258	-0.003732531	0.724374703	-0.005152763	0.995888708	0.999371363	Not Sig

ENSG00000111231	GPN3	GPN-loop GTPase 3	51184	256.414202	-0.003641035	0.46581463	-0.00781649	0.993763407	0.999371363	Not Sig
ENSG00000178458	NA	NA	NA	7.852757494	-0.003603	0.985088644	-0.003657539	0.997081713	0.999371363	Not Sig
ENSG00000184575	XPOT	exportin for tRNA	11260	1660.843004	-0.00332032	0.586822973	-0.005658129	0.99548549	0.999371363	Not Sig
ENSG00000261597	NA	NA	NA	35.72244411	-0.003267459	0.624918914	-0.005228613	0.99582819	0.999371363	Not Sig
ENSG00000166261	ZNF202	zinc finger protein 202	7753	347.8156835	-0.00316327	0.494726364	-0.00639398	0.994898377	0.999371363	Not Sig
ENSG00000154642	C21orf91	chromosome 21 open reading frame 91	54149	462.3541693	-0.003146202	0.527503422	-0.005964326	0.995241184	0.999371363	Not Sig
ENSG00000270571	NA	NA	NA	24.90368025	-0.003021485	0.722527914	-0.004181824	0.996663397	0.999371363	Not Sig
ENSG00000117758	STX12	syntaxin 12	23673	1286.438083	-0.00291883	0.447237935	-0.006526348	0.994792765	0.999371363	Not Sig
ENSG00000092148	HECTD1	HECT domain E3 ubiquitin protein ligase 1	25831	6842.679966	-0.002893352	0.43365943	-0.006671945	0.994676597	0.999371363	Not Sig
ENSG00000235078	NA	NA	NA	11.18641267	-0.002808733	1.037038964	-0.002708416	0.997838999	0.999371363	Not Sig
ENSG00000258732	NA	NA	NA	16.05279641	-0.002796468	1.191658015	-0.002346704	0.998127603	0.999371363	Not Sig
ENSG00000240954	NA	NA	NA	2.800213347	-0.002782354	1.453763584	-0.001913898	0.998472932	NA	NA
ENSG00000088247	KHSRP	KH-type splicing regulatory protein	8570	2751.151569	-0.002738335	0.523027011	-0.005235552	0.995822653	0.999371363	Not Sig
ENSG00000144580	CNOT9	CCR4-NOT transcription complex subunit 9	9125	1028.009084	-0.002627047	0.481443641	-0.005456603	0.995646282	0.999371363	Not Sig
ENSG00000169813	HNRNPF	heterogeneous nuclear ribonucleoprotein F	3185	3650.322937	-0.002499379	0.397901234	-0.006281406	0.994988196	0.999371363	Not Sig
ENSG00000259494	MRPL46	mitochondrial ribosomal protein L46	26589	179.7037784	-0.002428708	0.440693689	-0.005511102	0.995602799	0.999371363	Not Sig
ENSG00000166033	HTRA1	HtrA serine peptidase 1	5654	1176.013853	-0.002360681	0.475426672	-0.004965394	0.996038205	0.999371363	Not Sig
ENSG00000140937	CDH11	cadherin 11	1009	2773.805055	-0.002356811	0.397623189	-0.005927246	0.995270769	0.999371363	Not Sig
ENSG00000075234	TTC38	tetratricopeptide repeat domain 38	55020	608.4483116	-0.002324704	0.566765839	-0.004101701	0.996727325	0.999371363	Not Sig
ENSG00000180354	MTURN	maturin, neural progenitor differentiation regulator homolog	222166	1259.969037	-0.00224867	0.620796141	-0.003622236	0.99710988	0.999371363	Not Sig
ENSG00000163918	RFC4	replication factor C subunit 4	5984	160.0502169	-0.00214682	0.653571614	-0.003284751	0.997379153	0.999371363	Not Sig
ENSG00000260643	NA	NA	NA	2.967024758	-0.002000828	1.489909604	-0.001342919	0.998928506	NA	NA
ENSG00000141252	VPS53	VPS53, GARP complex subunit	55275	1910.547042	-0.00195618	0.395018873	-0.004952118	0.996048797	0.999371363	Not Sig
ENSG00000182541	LIMK2	LIM domain kinase 2	3985	1611.373027	-0.001878273	0.599700764	-0.003132017	0.997501016	0.999371363	Not Sig
ENSG00000251609	NA	NA	NA	12.60251051	-0.001818567	0.759080129	-0.002395751	0.998088469	0.999371363	Not Sig
ENSG00000126391	FRMD8	FERM domain containing 8	83786	1059.651457	-0.001781112	0.570496795	-0.003122038	0.997508978	0.999371363	Not Sig
ENSG00000174292	TNK1	tyrosine kinase non receptor 1	8711	224.1067275	-0.001733426	0.44320225	-0.00391114	0.99687937	0.999371363	Not Sig
ENSG00000129071	MBD4	methyl-CpG binding domain 4, DNA glycosylase	8930	686.1247349	-0.001524302	0.473536629	-0.003218973	0.997431635	0.999371363	Not Sig
ENSG00000182646	NA	NA	NA	11.12208675	-0.001490917	0.799204408	-0.001865501	0.998511547	0.999371363	Not Sig
ENSG00000176978	DPP7	dipeptidyl peptidase 7	29952	1961.995454	-0.0014503	0.603536342	-0.002403003	0.998082683	0.999371363	Not Sig
ENSG00000142230	SAE1	SUMO1 activating enzyme subunit 1	10055	951.6963406	-0.001449651	0.518017143	-0.002798462	0.997767153	0.999371363	Not Sig
ENSG00000162511	LAPTM5	lysosomal protein transmembrane 5	7805	5091.537419	-0.001383946	0.833468418	-0.001660467	0.99867514	0.999371363	Not Sig
ENSG00000239713	APOBEC3G	apolipoprotein B mRNA editing enzyme catalytic subunit 3G	60489	351.0528648	-0.001332658	0.723353736	-0.001842332	0.998530032	0.999371363	Not Sig
ENSG00000120055	C10orf95	chromosome 10 open reading frame 95	79946	76.2567025	-0.001258921	0.864385904	-0.001456434	0.998837934	0.999371363	Not Sig
ENSG00000237646	NA	NA	NA	30.77142552	-0.001228533	0.823469052	-0.001491899	0.998809637	0.999371363	Not Sig

ENSG00000225031	NA	NA	NA	12.07218517	-0.001192106	1.005377909	-0.001185729	0.999053926	0.999371363	Not Sig
ENSG00000167674	HDGFL2	HDGF like 2	84717	992.7150072	-0.001131256	0.640439994	-0.001766373	0.998590639	0.999371363	Not Sig
ENSG00000234800	NA	NA	NA	6.255046661	-0.001107952	1.752881636	-0.000632075	0.999495677	NA	NA
ENSG00000237815	NA	NA	NA	6.42655758	-0.001083957	0.995145016	-0.001089245	0.999130908	NA	NA
ENSG00000122257	RBBP6	RB binding protein 6, ubiquitin ligase	5930	1959.339675	-0.001029489	0.436862141	-0.002356554	0.998119744	0.999371363	Not Sig
ENSG00000174989	FBXW8	F-box and WD repeat domain containing 8	26259	608.3597924	-0.001017584	0.398723703	-0.002552104	0.997963718	0.999371363	Not Sig
ENSG00000082805	ERC1	ELKS/RAB6-interacting/CAST family member 1	23085	2272.306882	-0.000743402	0.456219272	-0.001629484	0.99869986	0.999371363	Not Sig
ENSG00000102984	ZNF821	zinc finger protein 821	55565	175.1856196	-0.000676105	0.512703316	-0.001318706	0.998947825	0.999371363	Not Sig
ENSG00000259392	NA	NA	NA	17.19641871	-0.000409107	1.065466325	-0.00038397	0.999693637	0.999698339	Not Sig
ENSG00000180209	MYLPF	myosin light chain, phosphorylatable, fast skeletal muscle	29895	2.499946212	4.74E-05	1.696043596	2.79E-05	0.999977708	NA	NA
ENSG00000103404	USP31	ubiquitin specific peptidase 31	57478	876.0918176	0.000159654	0.422279753	0.000378076	0.999698339	0.999698339	Not Sig
ENSG00000257949	TEN1	TEN1, CST complex subunit	100134934	3.483738314	0.000248468	1.629484836	0.000152482	0.999878337	NA	NA
ENSG00000253352	NA	NA	NA	4808.277789	0.000318193	0.607910824	0.000523421	0.99958237	0.999698339	Not Sig
ENSG00000048707	VPS13D	vacuolar protein sorting 13 homolog D	55187	6351.221154	0.000481136	0.388902568	0.001237163	0.999012887	0.999371363	Not Sig
ENSG00000177675	CD163L1	CD163 molecule like 1	283316	252.2078922	0.000599808	0.474967667	0.00126284	0.9989924	0.999371363	Not Sig
ENSG00000263563	UBBP4	ubiquitin B pseudogene 4	23666	12.45804471	0.000602246	0.907880113	0.000663354	0.99947072	0.999698339	Not Sig
ENSG00000180389	ATP5EP2	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit pseudogene 2	432369	0.952008534	0.000688512	2.623643719	0.000262426	0.999790614	NA	NA
ENSG00000237576	NA	NA	NA	0.952008534	0.000688512	2.623643719	0.000262426	0.999790614	NA	NA
ENSG00000269699	ZIM2	zinc finger imprinted 2	23619	0.952008534	0.000688512	2.623643719	0.000262426	0.999790614	NA	NA
ENSG00000236308	NA	NA	NA	1.290607728	0.001002882	2.350839476	0.000426606	0.999659618	NA	NA
ENSG00000118976	NA	NA	NA	3.693858155	0.001021638	1.279072813	0.000798733	0.999362703	NA	NA
ENSG00000116544	DLGAP3	DLG associated protein 3	58512	14.08637138	0.001221072	0.793189658	0.001539445	0.998771701	0.999371363	Not Sig
ENSG00000143324	XPR1	xenotropic and polytropic retrovirus receptor 1	9213	2567.860232	0.001310462	0.696177146	0.001882368	0.998498088	0.999371363	Not Sig
ENSG00000178082	NA	NA	NA	3.228655782	0.001310921	1.381909483	0.00094863	0.999243103	NA	NA
ENSG00000136404	TM6SF1	transmembrane 6 superfamily member 1	53346	178.2357966	0.001361625	0.743875281	0.001830448	0.998539515	0.999371363	Not Sig
ENSG00000122783	C7orf49	chromosome 7 open reading frame 49	78996	659.5984108	0.001380334	0.428945219	0.003217972	0.997432434	0.999371363	Not Sig
ENSG00000240083	NA	NA	NA	4.056662841	0.001746613	1.421788564	0.001228462	0.99901983	NA	NA
ENSG00000187555	USP7	ubiquitin specific peptidase 7	7874	2975.651478	0.002145682	0.432397572	0.004962289	0.996040683	0.999371363	Not Sig
ENSG00000196668	LINC00173	long intergenic non-protein coding RNA 173	100287569	17.22203415	0.002162399	1.004658516	0.002152372	0.998282657	0.999371363	Not Sig
ENSG00000254027	NA	NA	NA	7.559393137	0.002197667	1.039881317	0.002113382	0.998313766	0.999371363	Not Sig
ENSG00000215277	RNF212B	ring finger protein 212B	100507650	3.519468668	0.002241003	1.578772985	0.001419459	0.998867436	NA	NA
ENSG00000176783	RUFY1	RUN and FYVE domain containing 1	80230	1521.330049	0.002293933	0.442850908	0.005179922	0.995867039	0.999371363	Not Sig
ENSG00000122483	CCDC18	coiled-coil domain containing 18	343099	231.1196312	0.002533118	0.642885871	0.00394023	0.996856159	0.999371363	Not Sig
ENSG00000165997	ARL5B	ADP ribosylation factor like GTPase 5B	221079	1407.092385	0.002596073	0.719275168	0.003609291	0.997120209	0.999371363	Not Sig
ENSG00000216613	NA	NA	NA	16.1901151	0.002680526	1.040374894	0.0025765	0.997944253	0.999371363	Not Sig

ENSG00000155393	HEATR3	HEAT repeat containing 3	55027	486.1082716	0.002764218	0.459049292	0.006021616	0.995195475	0.999371363	Not Sig
ENSG00000189134	NKAPL	NFKB activating protein like	222698	10.42246438	0.003159785	1.260555512	0.002506661	0.997999976	0.999371363	Not Sig
ENSG00000170852	KBTBD2	kelch repeat and BTB domain containing 2	25948	1550.849739	0.003168559	0.54580575	0.005805287	0.995368077	0.999371363	Not Sig
ENSG00000255081	NA	NA	NA	12.31087299	0.003171343	0.946846352	0.003349375	0.997327591	0.999371363	Not Sig
ENSG00000100320	RBFOX2	RNA binding fox-1 homolog 2	23543	2399.905048	0.003235943	0.470269394	0.006881042	0.994509766	0.999371363	Not Sig
ENSG00000160584	SIK3	SIK family kinase 3	23387	1587.424795	0.003245939	0.430841334	0.007533954	0.993988831	0.999371363	Not Sig
ENSG00000108590	MED31	mediator complex subunit 31	51003	119.1264397	0.003269157	0.581160018	0.005625226	0.995511743	0.999371363	Not Sig
ENSG00000156869	FRRS1	ferric chelate reductase 1	391059	268.2822764	0.003323411	0.663434274	0.005009404	0.99600309	0.999371363	Not Sig
ENSG00000137571	SLC05A1	solute carrier organic anion transporter family member 5A1	81796	139.2248639	0.003331897	0.967329048	0.003444443	0.997251748	0.999371363	Not Sig
ENSG00000173120	KDM2A	lysine demethylase 2A	22992	4514.956644	0.003825512	0.427653166	0.008945361	0.99286273	0.999371363	Not Sig
ENSG00000239039	SNORD13	small nucleolar RNA, C/D box 13	692084	12.26021793	0.003868482	1.25767462	0.0030759	0.99754579	0.999371363	Not Sig
ENSG00000270580	PKD1P6-NPIPP1	PKD1P6-NPIPP1 readthrough	105369154	12.92470825	0.004185133	1.046444204	0.003999385	0.996808961	0.999371363	Not Sig
ENSG00000138375	SMARCA1	SMARCA1, SMARCA1-like 1, SMARCA1-like 2, SMARCA1-like 3	50485	487.111704	0.004254797	0.435905776	0.009760819	0.992212117	0.999371363	Not Sig
ENSG00000189221	MAOA	monoamine oxidase A	4128	2528.626411	0.004288742	0.630405921	0.006803143	0.994571919	0.999371363	Not Sig
ENSG00000196465	MYL6B	myosin light chain 6B	140465	255.5089154	0.004407955	0.43926926	0.010034744	0.991993567	0.999371363	Not Sig
ENSG00000140905	GCSH	glycine cleavage system protein H	2653	91.54216648	0.004695467	0.470933396	0.009970554	0.99204478	0.999371363	Not Sig
ENSG00000265396	MIR3128	microRNA 3128	100422824	15.02666223	0.005089863	1.016194315	0.005008749	0.996003613	0.999371363	Not Sig
ENSG00000161202	DVL3	dishevelled segment polarity protein 3	1857	1989.53465	0.0051129	0.390699529	0.013086527	0.98955876	0.999371363	Not Sig
ENSG00000163312	HELQ	helicase, POLQ like	113510	322.9165923	0.005458821	0.449146878	0.012153756	0.990302945	0.999371363	Not Sig
ENSG00000223501	VPS52	VPS52, GARP complex subunit	6293	1387.993876	0.00546026	0.445152781	0.012266035	0.990213365	0.999371363	Not Sig
ENSG00000247033	NA	NA	NA	9.608473212	0.005730032	1.021370001	0.005610144	0.995523777	0.999371363	Not Sig
ENSG00000131148	EMC8	ER membrane protein complex subunit 8	10328	363.4407913	0.005886919	0.411997847	0.014288713	0.988599644	0.999371363	Not Sig
ENSG00000264802	MIR5191	microRNA 5191	100847050	2.409427673	0.005999314	1.796745424	0.00333899	0.997335877	NA	NA
ENSG00000182872	RBM10	RNA binding motif protein 10	8241	1245.219694	0.006145463	0.457606291	0.013429586	0.989285063	0.999371363	Not Sig
ENSG00000258620	NA	NA	NA	21.72044179	0.006181403	0.645344103	0.009578461	0.992357611	0.999371363	Not Sig
ENSG00000061656	SPAG4	sperm associated antigen 4	6676	148.3510043	0.006371864	0.664108617	0.009594612	0.992344725	0.999371363	Not Sig
ENSG00000229427	NA	NA	NA	11.5413518	0.006414124	1.010410011	0.006348041	0.99493503	0.999371363	Not Sig
ENSG00000270179	NA	NA	NA	28.03966503	0.006466438	0.593667637	0.010892354	0.99130933	0.999371363	Not Sig
ENSG00000168487	BMP1	bone morphogenetic protein 1	649	862.3794997	0.00649165	0.460704776	0.014090695	0.988757624	0.999371363	Not Sig
ENSG00000177646	ACAD9	acyl-CoA dehydrogenase family member 9	28976	863.8358528	0.006496707	0.392713636	0.016543116	0.986801105	0.999371363	Not Sig
ENSG00000114948	ADAM23	ADAM metalloproteinase domain 23	8745	48.30779798	0.006587509	0.694218827	0.009489096	0.99242891	0.999371363	Not Sig
ENSG00000198522	GPN1	GPN-loop GTPase 1	11321	365.6654632	0.006655048	0.431511384	0.015422649	0.987694995	0.999371363	Not Sig
ENSG00000118965	WDR35	WD repeat domain 35	57539	502.4722147	0.00672724	0.458832878	0.014661636	0.988302126	0.999371363	Not Sig
ENSG00000118363	SPCS2	signal peptidase complex subunit 2	9789	1101.303411	0.006756605	0.548497157	0.012318395	0.990171591	0.999371363	Not Sig
ENSG00000103343	ZNF174	zinc finger protein 174	7727	168.9527096	0.006831245	0.48078026	0.014208663	0.988663509	0.999371363	Not Sig

ENSG00000180008	SOCS4	suppressor of cytokine signaling 4	122809	787.7726424	0.006878188	0.547881859	0.012554144	0.989983505	0.999371363	Not Sig
ENSG00000137055	PLAA	phospholipase A2 activating protein	9373	645.3672368	0.006944325	0.461901842	0.0150342	0.988004896	0.999371363	Not Sig
ENSG00000175324	LSM1	LSM1 homolog, mRNA degradation associated	27257	306.1305913	0.007017367	0.582443424	0.012048152	0.990387198	0.999371363	Not Sig
ENSG00000139517	LNX2	ligand of numb-protein X 2	222484	1409.380327	0.007042479	0.63094076	0.01116187	0.991094301	0.999371363	Not Sig
ENSG00000139083	ETV6	ETS variant 6	2120	2166.328797	0.007046471	0.440946882	0.015980318	0.987250094	0.999371363	Not Sig
ENSG00000184675	AMER1	APC membrane recruitment protein 1	139285	342.38716	0.007161783	0.439316884	0.016302089	0.986993391	0.999371363	Not Sig
ENSG00000198176	TFDP1	transcription factor Dp-1	7027	1174.459453	0.007430827	0.422196849	0.017600385	0.98595765	0.999371363	Not Sig
ENSG00000266601	NA	NA	NA	1.870534132	0.007438942	1.762568516	0.004220512	0.996632529	NA	NA
ENSG00000243927	MRPS6	mitochondrial ribosomal protein S6	64968	452.9846379	0.007540861	0.694235959	0.010862101	0.991333468	0.999371363	Not Sig
ENSG00000207732	MIR218-1	microRNA 218-1	407000	6.112479787	0.007595502	1.305671667	0.005817314	0.995358481	NA	NA
ENSG00000147403	RPL10	ribosomal protein L10	6134	12922.51008	0.007608282	0.454534805	0.016738612	0.986645144	0.999371363	Not Sig
ENSG00000230534	NA	NA	NA	6.955581865	0.007661821	1.00382453	0.007632629	0.993910102	0.999371363	Not Sig
ENSG00000185885	IFITM1	interferon induced transmembrane protein 1	8519	1254.358812	0.007730176	0.825103012	0.009368741	0.992524936	0.999371363	Not Sig
ENSG00000157557	ETS2	ETS proto-oncogene 2, transcription factor	2114	7212.20123	0.00774381	0.636789305	0.01216071	0.990297397	0.999371363	Not Sig
ENSG00000186834	HEXIM1	hexamethylene bisacetamide inducible 1	10614	1279.519061	0.007936067	0.556454628	0.01426184	0.988621084	0.999371363	Not Sig
ENSG00000229992	NA	NA	NA	47.13337108	0.007964908	0.677889656	0.011749565	0.990625419	0.999371363	Not Sig
ENSG00000167535	CACNB3	calcium voltage-gated channel auxiliary subunit beta 3	784	426.0192282	0.007972485	0.473904593	0.016822975	0.986577841	0.999371363	Not Sig
ENSG00000214248	NA	NA	NA	20.99704618	0.00797466	0.855732214	0.009319106	0.992564536	0.999371363	Not Sig
ENSG00000166986	MARS	methionyl-tRNA synthetase	4141	1445.941787	0.0081543	0.432836387	0.018839219	0.984969367	0.999371363	Not Sig
ENSG00000115073	ACTR1B	ARP1 actin related protein 1 homolog B	10120	1230.364004	0.008329936	0.571941207	0.014564322	0.988379763	0.999371363	Not Sig
ENSG00000070759	TESK2	testis-specific kinase 2	10420	175.9083541	0.008350749	0.552332708	0.015119056	0.987937198	0.999371363	Not Sig
ENSG00000115966	ATF2	activating transcription factor 2	1386	1332.863939	0.008462566	0.53378554	0.015853869	0.987350972	0.999371363	Not Sig
ENSG00000156172	C8orf37	chromosome 8 open reading frame 37	157657	116.0383451	0.008636211	0.600518313	0.014381261	0.988525809	0.999371363	Not Sig
ENSG00000213676	ATF6B	activating transcription factor 6 beta	1388	1927.063193	0.008694733	0.451400712	0.019261674	0.984632358	0.999371363	Not Sig
ENSG00000175274	TP53I11	tumor protein p53 inducible protein 11	9537	2206.988174	0.008700247	0.401436425	0.021672789	0.98270897	0.999371363	Not Sig
ENSG00000165282	PIGO	phosphatidylinositol glycan anchor biosynthesis class 0	84720	753.9303889	0.00871995	0.489539106	0.017812572	0.985788376	0.999371363	Not Sig
ENSG00000242060	NA	NA	NA	2.438869826	0.008790337	1.516162895	0.005797752	0.995374089	NA	NA
ENSG00000135722	FBXL8	F-box and leucine rich repeat protein 8	55336	238.8281627	0.009095334	0.581320636	0.015645986	0.987516819	0.999371363	Not Sig
ENSG00000153187	HNRNP1	heterogeneous nuclear ribonucleoprotein U	3192	12520.71241	0.009217261	0.428432741	0.021513905	0.982835711	0.999371363	Not Sig
ENSG00000184939	ZFP90	ZFP90 zinc finger protein	146198	678.7275152	0.009276477	0.424248477	0.02186567	0.982555109	0.999371363	Not Sig
ENSG00000008324	SS18L2	SS18 like 2	51188	119.3298377	0.009332764	0.575068183	0.016228969	0.987051725	0.999371363	Not Sig
ENSG00000145781	COMM10	COMM domain containing 10	51397	365.1160705	0.009384137	0.569190702	0.016486807	0.986846027	0.999371363	Not Sig
ENSG00000238425	NA	NA	NA	9.854766974	0.00946568	0.995355287	0.009509851	0.992412351	0.999371363	Not Sig
ENSG00000136436	CALCOCO2	calcium binding and coiled-coil domain 2	10241	2664.476411	0.009490186	0.457683214	0.020735272	0.983456832	0.999371363	Not Sig
ENSG00000083635	NUFIP1	NUFIP1, FMR1 interacting protein 1	26747	164.5756907	0.009501717	0.5613025	0.016927979	0.986494072	0.999371363	Not Sig

ENSG00000136371	MTHFS	methenyltetrahydrofolate synthetase	10588	65.29073008	0.009576684	0.503925182	0.019004178	0.984837773	0.999371363	Not Sig
ENSG00000106993	CDC37L1	cell division cycle 37 like 1	55664	341.0493309	0.009615706	0.495720788	0.019397423	0.984524066	0.999371363	Not Sig
ENSG00000266671	NA	NA	NA	4.863885231	0.009705345	1.132975589	0.008566244	0.99316521	NA	NA
ENSG00000211884	NA	NA	NA	8.056782099	0.009840054	1.369031784	0.007187601	0.994265174	0.999371363	Not Sig
ENSG00000142185	TRPM2	transient receptor potential cation channel subfamily M member 2	7226	384.2130838	0.009840334	0.578938609	0.016997198	0.986438851	0.999371363	Not Sig
ENSG00000158161	EYA3	EYA transcriptional coactivator and phosphatase 3	2140	985.5992447	0.009961636	0.407578465	0.024441027	0.980500823	0.999371363	Not Sig
ENSG00000226501	NA	NA	NA	7.582674617	0.010153725	1.012076228	0.01003257	0.991995302	0.999371363	Not Sig
ENSG00000015479	MATR3	matrin 3	9782	6481.319076	0.010285133	0.413734391	0.024859266	0.980167218	0.999371363	Not Sig
ENSG00000090621	PABPC4	poly(A) binding protein cytoplasmic 4	8761	2971.688994	0.010343404	0.441464388	0.023429759	0.981307468	0.999371363	Not Sig
ENSG00000204055	NA	NA	NA	7.970388241	0.010535815	0.939450436	0.01121487	0.991052016	0.999371363	Not Sig
ENSG00000186174	BCL9L	B-cell CLL/lymphoma 9 like	283149	4191.901138	0.010554675	0.5348105	0.019735356	0.984254486	0.999371363	Not Sig
ENSG00000113300	CNOT6	CCR4-NOT transcription complex subunit 6	57472	1590.313238	0.01062969	0.562470351	0.018898222	0.984922298	0.999371363	Not Sig
ENSG00000226287	TMEM191A	transmembrane protein 191A (pseudogene)	84222	46.96379931	0.010722559	0.82182276	0.013047289	0.989590065	0.999371363	Not Sig
ENSG00000240750	NA	NA	NA	14.57615724	0.010745951	0.822482067	0.013065271	0.989575719	0.999371363	Not Sig
ENSG00000273138	NA	NA	NA	5.121215181	0.010759607	1.15350014	0.00932779	0.992557609	NA	NA
ENSG00000266245	MIR4644	microRNA 4644	100616430	10.82452138	0.010978963	0.834927349	0.013149603	0.989508437	0.999371363	Not Sig
ENSG00000264781	MIR4537	microRNA 4537	100616422	13.83297839	0.01105663	0.966448554	0.011440474	0.990872021	0.999371363	Not Sig
ENSG00000242660	NA	NA	NA	2.154494475	0.011065656	1.860056239	0.005949097	0.995253335	NA	NA
ENSG00000049618	ARID1B	AT-rich interaction domain 1B	57492	3897.341202	0.011091977	0.40351733	0.02748823	0.978070328	0.999371363	Not Sig
ENSG00000138801	PAPSS1	3'-phosphoadenosine 5'-phosphosulfate synthase 1	9061	1275.433033	0.011417825	0.499510185	0.022858042	0.981763509	0.999371363	Not Sig
ENSG00000123091	RNF11	ring finger protein 11	26994	1770.812431	0.011982981	0.424668006	0.028217292	0.977488846	0.999371363	Not Sig
ENSG00000141401	IMPA2	inositol monophosphatase 2	3613	765.1016162	0.012135192	0.411459548	0.029493037	0.976471372	0.999371363	Not Sig
ENSG00000123360	PDE1B	phosphodiesterase 1B	5153	125.1802363	0.012136947	0.699358799	0.017354392	0.986153894	0.999371363	Not Sig
ENSG00000121774	KHDRBS1	KH RNA binding domain containing, signal transduction associated 1	10657	3256.536716	0.012246651	0.399242961	0.030674683	0.975528982	0.999371363	Not Sig
ENSG00000102038	SMARCA1	SMARCA1 related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 1	6594	2293.964892	0.012344104	0.602464831	0.020489335	0.98365302	0.999371363	Not Sig
ENSG00000126246	IGFLR1	IGF like family receptor 1	79713	14.99992156	0.012436906	0.745179936	0.016689802	0.986684083	0.999371363	Not Sig
ENSG00000109099	PMP22	peripheral myelin protein 22	5376	1478.048001	0.012709595	0.666650883	0.019064843	0.984789377	0.999371363	Not Sig
ENSG00000129518	EAPP	E2F associated phosphoprotein	55837	531.8103991	0.012727344	0.410478332	0.031006128	0.975264653	0.999371363	Not Sig
ENSG00000133027	PEMT	phosphatidylethanolamine N-methyltransferase	10400	273.6395558	0.012813866	0.485740831	0.026380048	0.978954208	0.999371363	Not Sig
ENSG00000100030	MAPK1	mitogen-activated protein kinase 1	5594	3274.486151	0.012918283	0.396662928	0.032567407	0.974019561	0.999371363	Not Sig
ENSG00000005700	IBTK	inhibitor of Bruton tyrosine kinase	25998	2591.348128	0.012918799	0.574247083	0.022496934	0.982051558	0.999371363	Not Sig
ENSG00000150867	PIP4K2A	phosphatidylinositol-5-phosphate 4-kinase type 2 alpha	5305	1192.223557	0.013062146	0.546306697	0.023909914	0.980924466	0.999371363	Not Sig
ENSG00000168385	2-Sep	septin 2	4735	6957.896303	0.013211268	0.402005633	0.03286339	0.973783527	0.999371363	Not Sig
ENSG00000267226	NA	NA	NA	3.406466092	0.013400463	1.268454908	0.010564399	0.991570986	NA	NA
ENSG00000255487	NA	NA	NA	3.86409039	0.013430511	1.225769135	0.010956803	0.991257911	NA	NA

ENSG00000116120	FARSB	phenylalanyl-tRNA synthetase beta subunit	10056	543.5689835	0.013521984	0.553736563	0.024419525	0.980517974	0.999371363	Not Sig
ENSG00000136450	SRSF1	serine and arginine rich splicing factor 1	6426	3111.127979	0.013546425	0.446155212	0.030362584	0.975777885	0.999371363	Not Sig
ENSG00000066557	LRRC40	leucine rich repeat containing 40	55631	366.9901875	0.013834069	0.600342388	0.023043631	0.981615469	0.999371363	Not Sig
ENSG00000083123	BCKDHB	branched chain keto acid dehydrogenase E1 subunit beta	594	478.9625199	0.013957416	0.640164818	0.021802848	0.982605222	0.999371363	Not Sig
ENSG00000106336	FBX024	F-box protein 24	26261	21.18163202	0.014093158	0.742740209	0.018974545	0.984861412	0.999371363	Not Sig
ENSG00000164758	MED30	mediator complex subunit 30	90390	203.282957	0.014462627	0.463967792	0.031171619	0.975132674	0.999371363	Not Sig
ENSG00000163950	SLBP	stem-loop binding protein	7884	745.267374	0.014747016	0.391487947	0.037669145	0.969951477	0.999371363	Not Sig
ENSG00000180987	NA	NA	NA	1.019522456	0.014887614	3.030576381	0.004912469	0.996080432	NA	NA
ENSG00000257449	NA	NA	NA	1.019522456	0.014887614	3.030576381	0.004912469	0.996080432	NA	NA
ENSG00000264824	MIR5571	microRNA 5571	100847006	1.019522456	0.014887614	3.030576381	0.004912469	0.996080432	NA	NA
ENSG00000006075	NA	NA	NA	281.0779868	0.01497931	1.10721927	0.013528766	0.989205936	0.999371363	Not Sig
ENSG00000161040	FBXL13	F-box and leucine rich repeat protein 13	222235	66.21744877	0.015001021	0.501094649	0.029936503	0.976117694	0.999371363	Not Sig
ENSG00000211667	NA	NA	NA	0.651741399	0.015039353	2.980595019	0.005045755	0.995974087	NA	NA
ENSG00000253357	NA	NA	NA	0.651741399	0.015039353	2.980595019	0.005045755	0.995974087	NA	NA
ENSG00000256442	NA	NA	NA	0.651741399	0.015039353	2.980595019	0.005045755	0.995974087	NA	NA
ENSG00000257966	NA	NA	NA	0.651741399	0.015039353	2.980595019	0.005045755	0.995974087	NA	NA
ENSG00000122642	FKBP9	FK506 binding protein 9	11328	3326.402446	0.015109459	0.508047379	0.029740256	0.976274206	0.999371363	Not Sig
ENSG00000204584	NA	NA	NA	96.81075056	0.0151953	0.571208127	0.026602037	0.978777149	0.999371363	Not Sig
ENSG00000169764	UGP2	UDP-glucose pyrophosphorylase 2	7360	2137.856489	0.015255257	0.461992633	0.033020564	0.973658189	0.999371363	Not Sig
ENSG00000127720	METTL25	methyltransferase like 25	84190	271.856681	0.015286774	0.506015376	0.030210098	0.975899495	0.999371363	Not Sig
ENSG00000261317	NA	NA	NA	1.847789805	0.015476472	1.877739002	0.008242079	0.993423847	NA	NA
ENSG00000017260	ATP2C1	ATPase secretory pathway Ca ²⁺ transporting 1	27032	2407.519521	0.015515073	0.477585512	0.032486482	0.974084096	0.999371363	Not Sig
ENSG00000185344	ATP6VOA2	ATPase H ⁺ transporting V0 subunit a2	23545	752.7447917	0.015574755	0.394611862	0.039468542	0.968516834	0.999371363	Not Sig
ENSG00000228218	NA	NA	NA	6.562604111	0.015577505	1.137722214	0.013691835	0.989075837	NA	NA
ENSG00000104976	SNAPC2	small nuclear RNA activating complex polypeptide 2	6618	235.6395533	0.015607343	0.628235197	0.024843152	0.980180071	0.999371363	Not Sig
ENSG00000180353	HCLS1	hematopoietic cell-specific Lyn substrate 1	3059	1315.343335	0.015647305	0.742653931	0.021069444	0.98319026	0.999371363	Not Sig
ENSG00000166228	PCBD1	pterin-4 alpha-carbinolamine dehydratase 1	5092	617.2591636	0.015831884	0.436245037	0.036291264	0.971050115	0.999371363	Not Sig
ENSG00000243403	NA	NA	NA	14.10569074	0.015854454	0.794494961	0.019955387	0.984078961	0.999371363	Not Sig
ENSG00000158428	CATIP	ciliogenesis associated TTC17 interacting protein	375307	53.44410788	0.016297877	0.704092572	0.02314735	0.981532736	0.999371363	Not Sig
ENSG00000145982	FARS2	phenylalanyl-tRNA synthetase 2, mitochondrial	10667	354.138619	0.016368634	0.404761464	0.040440198	0.967742183	0.999371363	Not Sig
ENSG00000005194	CIAPIN1	cytokine induced apoptosis inhibitor 1	57019	518.3282803	0.016784754	0.463273374	0.036230776	0.971098346	0.999371363	Not Sig
ENSG00000146143	PRIM2	DNA primase subunit 2	5558	317.3769197	0.016836487	0.651135979	0.025857098	0.979371319	0.999371363	Not Sig
ENSG00000207773	MIR642A	microRNA 642a	693227	3.067866898	0.016874033	1.333711409	0.012651937	0.989905484	NA	NA
ENSG00000235290	NA	NA	NA	4.568223222	0.016954453	1.369901886	0.012376399	0.990125314	NA	NA
ENSG00000086475	SEPHS1	selenophosphate synthetase 1	22929	729.192314	0.016975743	0.445610781	0.038095451	0.969611579	0.999371363	Not Sig

ENSG00000182512	GLRX5	glutaredoxin 5	51218	314.5684667	0.017069733	0.430607244	0.039641072	0.968379283	0.999371363	Not Sig
ENSG00000135378	PRRG4	proline rich and Gla domain 4	79056	637.0452351	0.017138309	0.476791402	0.035945088	0.971326144	0.999371363	Not Sig
ENSG00000147912	FBXO10	F-box protein 10	26267	86.96806633	0.017234533	0.646736242	0.026648473	0.978740111	0.999371363	Not Sig
ENSG00000134323	MYCN	MYCN proto-oncogene, bHLH transcription factor	4613	34.98362257	0.017298846	0.924667962	0.018708171	0.98507391	0.999371363	Not Sig
ENSG00000150873	C2orf50	chromosome 2 open reading frame 50	130813	34.25383838	0.017330175	0.894438704	0.019375475	0.984541575	0.999371363	Not Sig
ENSG00000116771	AGMAT	agmatinase	79814	21.53112078	0.017482016	1.054569429	0.016577397	0.986773757	0.999371363	Not Sig
ENSG00000235629	NA	NA	NA	3.151272604	0.017509164	1.341601153	0.013050946	0.989587148	NA	NA
ENSG00000236514	NA	NA	NA	10.3724269	0.017599579	0.980079249	0.017957302	0.985672916	0.999371363	Not Sig
ENSG00000268403	LOC644656	uncharacterized LOC644656	644656	16.49377384	0.017673222	0.783548887	0.022555353	0.982004958	0.999371363	Not Sig
ENSG00000111669	TPI1	triosephosphate isomerase 1	7167	4764.888784	0.017782766	0.392092613	0.045353484	0.963825557	0.999371363	Not Sig
ENSG00000240602	AADACP1	arylacetamide deacetylase pseudogene 1	201651	22.93857919	0.017862467	0.954053041	0.018722719	0.985062304	0.999371363	Not Sig
ENSG00000129009	ISLR	immunoglobulin superfamily containing leucine rich repeat	3671	697.1510667	0.017866287	0.452126105	0.039516158	0.968478872	0.999371363	Not Sig
ENSG00000109911	ELP4	elongator acetyltransferase complex subunit 4	26610	259.4173081	0.017869009	0.469039528	0.038097021	0.969610327	0.999371363	Not Sig
ENSG00000102362	SYTL4	synaptotagmin like 4	94121	289.518176	0.017899133	0.627028341	0.028545971	0.977226704	0.999371363	Not Sig
ENSG00000133789	SWAP70	switching B-cell complex subunit SWAP70	23075	2429.075591	0.018115972	0.432043904	0.041930859	0.966553816	0.999371363	Not Sig
ENSG00000083307	GRHL2	grainyhead like transcription factor 2	79977	1565.673663	0.018167988	0.68013677	0.026712257	0.978689237	0.999371363	Not Sig
ENSG00000101160	CTSZ	cathepsin Z	1522	5904.835945	0.018261248	0.70174087	0.02602278	0.979239169	0.999371363	Not Sig
ENSG00000166816	LDHD	lactate dehydrogenase D	197257	271.0730092	0.018444815	0.641634426	0.02874661	0.977066682	0.999371363	Not Sig
ENSG00000145736	GTF2H2	general transcription factor IIH subunit 2	2966	70.226651	0.018533871	0.584919685	0.031686181	0.974722315	0.999371363	Not Sig
ENSG00000123095	BHLHE41	basic helix-loop-helix family member e41	79365	675.2093323	0.018546291	0.718979228	0.025795309	0.979420603	0.999371363	Not Sig
ENSG00000135074	ADAM19	ADAM metallopeptidase domain 19	8728	1030.456775	0.018600745	0.518018171	0.035907515	0.971356104	0.999371363	Not Sig
ENSG00000115998	C2orf42	chromosome 2 open reading frame 42	54980	208.4301807	0.018621738	0.414304584	0.044946976	0.964149573	0.999371363	Not Sig
ENSG00000107185	RGP1	RGP1 homolog, RAB6A GEF complex partner 1	9827	1454.537298	0.018685003	0.507053981	0.036850126	0.970604506	0.999371363	Not Sig
ENSG00000121579	NAA50	N(alpha)-acetyltransferase 50, NatE catalytic subunit	80218	1897.652755	0.0187257	0.543000068	0.034485631	0.9724899	0.999371363	Not Sig
ENSG00000252282	NA	NA	NA	4.360046746	0.018781107	1.366586467	0.01374308	0.989034954	NA	NA
ENSG00000058673	ZC3H11A	zinc finger CCCH-type containing 11A	9877	6840.948386	0.018829058	0.561388679	0.033540146	0.973243852	0.999371363	Not Sig
ENSG00000079150	FKBP7	FK506 binding protein 7	51661	158.5917171	0.019009589	0.486958758	0.03903737	0.968860594	0.999371363	Not Sig
ENSG00000068308	OTUD5	OTU deubiquitinase 5	55593	1241.827182	0.019057566	0.448111431	0.042528632	0.966077287	0.999371363	Not Sig
ENSG00000135549	PKIB	cAMP-dependent protein kinase inhibitor beta	5570	204.7891387	0.019113266	0.888523267	0.021511273	0.982837811	0.999371363	Not Sig
ENSG00000124193	SRSF6	serine and arginine rich splicing factor 6	6431	3411.391454	0.019339139	0.503714437	0.03839306	0.969374294	0.999371363	Not Sig
ENSG00000148290	SURF1	SURF1, cytochrome c oxidase assembly factor	6834	391.898833	0.019361978	0.586906076	0.032989909	0.973682635	0.999371363	Not Sig
ENSG00000167608	TMC4	transmembrane channel like 4	147798	1852.677541	0.019362556	0.682574393	0.028366954	0.97736948	0.999371363	Not Sig
ENSG00000185621	LMLN	leishmanolysin like peptidase	89782	459.5258532	0.01939557	0.521803319	0.03717027	0.970349243	0.999371363	Not Sig
ENSG00000186976	EFCAB6	EF-hand calcium binding domain 6	64800	200.7102145	0.019591607	0.483732983	0.04050087	0.967693814	0.999371363	Not Sig
ENSG00000106302	HYAL4	hyaluronoglucosaminidase 4	23553	1.671263855	0.019673273	2.25920279	0.00870806	0.993052061	NA	NA

ENSG00000103042	SLC38A7	solute carrier family 38 member 7	55238	451.6776205	0.019685192	0.398067901	0.049451845	0.960559212	0.999371363	Not Sig
ENSG00000179335	CLK3	CDC like kinase 3	1198	1268.078385	0.019731421	0.498646722	0.039569941	0.968435993	0.999371363	Not Sig
ENSG00000253485	PCDHGA5	protocadherin gamma subfamily A, 5	56110	137.1885706	0.019831292	0.664583999	0.029840158	0.976194531	0.999371363	Not Sig
ENSG00000160972	PPP1R16A	protein phosphatase 1 regulatory subunit 16A	84988	946.7257972	0.020084158	0.603926623	0.033255957	0.973470475	0.999371363	Not Sig
ENSG00000152904	GGPS1	geranylgeranyl diphosphate synthase 1	9453	668.6253989	0.020095666	0.539947946	0.037217784	0.970311359	0.999371363	Not Sig
ENSG00000125743	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide	6633	600.8586654	0.020296185	0.431486297	0.047037843	0.962483066	0.999371363	Not Sig
ENSG00000142676	RPL11	ribosomal protein L11	6135	7494.879832	0.02032006	0.442891054	0.045880492	0.963405503	0.999371363	Not Sig
ENSG00000081665	ZNF506	zinc finger protein 506	440515	636.1356802	0.020368776	0.511428668	0.039827209	0.968230884	0.999371363	Not Sig
ENSG00000143545	RAB13	RAB13, member RAS oncogene family	5872	1175.227985	0.020482649	0.398196738	0.051438516	0.958976094	0.999371363	Not Sig
ENSG00000077585	GPR137B	G protein-coupled receptor 137B	7107	435.9227437	0.020526594	0.527151989	0.038938664	0.96893929	0.999371363	Not Sig
ENSG00000072110	ACTN1	actinin alpha 1	87	4856.242586	0.020696256	0.441063498	0.046923529	0.962574175	0.999371363	Not Sig
ENSG00000105639	JAK3	Janus kinase 3	3718	819.1629543	0.020749293	0.489280787	0.042407742	0.966173657	0.999371363	Not Sig
ENSG00000145332	KLHL8	kelch like family member 8	57563	552.685695	0.020790626	0.460129293	0.045184313	0.963960398	0.999371363	Not Sig
ENSG00000064726	BTBD1	BTB domain containing 1	53339	1354.099767	0.020822321	0.417223477	0.049906878	0.960196596	0.999371363	Not Sig
ENSG00000116560	SFPQ	splicing factor proline and glutamine rich	6421	8001.9277	0.020835778	0.458233714	0.045469763	0.963732876	0.999371363	Not Sig
ENSG00000010017	RANBP9	RAN binding protein 9	10048	1690.703835	0.020836181	0.533750582	0.039037298	0.968860652	0.999371363	Not Sig
ENSG00000135124	P2RX4	purinergic receptor P2X 4	5025	787.3505859	0.020938249	0.392248598	0.053380047	0.957429103	0.999371363	Not Sig
ENSG00000057608	GDI2	GDP dissociation inhibitor 2	2665	3866.765835	0.020955942	0.476597817	0.043969865	0.964928425	0.999371363	Not Sig
ENSG00000266967	AARSD1	alanyl-tRNA synthetase domain containing 1	80755	55.66152491	0.020992508	0.560665841	0.037442103	0.970132503	0.999371363	Not Sig
ENSG00000117151	CTBS	chitobiase	1486	804.4192667	0.021024109	0.605924126	0.034697593	0.97232088	0.999371363	Not Sig
ENSG00000198223	CSF2RA	colony stimulating factor 2 receptor alpha subunit	1438	441.7004409	0.021098489	0.60347649	0.034961575	0.97211038	0.999371363	Not Sig
ENSG00000238109	NA	NA	NA	3.421062618	0.0211231	1.948666458	0.010839772	0.991351283	NA	NA
ENSG00000170293	CMTM8	CKLF like MARVEL transmembrane domain containing 8	152189	314.407614	0.021272032	0.622434067	0.034175559	0.972737156	0.999371363	Not Sig
ENSG00000048392	RRM2B	ribonucleotide reductase regulatory TP53 inducible subunit M2B	50484	1000.383817	0.021304376	0.419608085	0.050772082	0.959507138	0.999371363	Not Sig
ENSG00000004897	CDC27	cell division cycle 27	996	1564.546449	0.02139173	0.568137514	0.03765238	0.969964844	0.999371363	Not Sig
ENSG00000008988	RPS20	ribosomal protein S20	6224	7902.748134	0.021450983	0.516347528	0.041543693	0.966862461	0.999371363	Not Sig
ENSG00000104356	POP1	POP1 homolog, ribonuclease P/MRP subunit	10940	177.6789177	0.021559639	0.545569188	0.0395177	0.968477642	0.999371363	Not Sig
ENSG00000240435	NA	NA	NA	16.93095146	0.021687589	0.747488594	0.02901394	0.976853473	0.999371363	Not Sig
ENSG00000272498	NA	NA	NA	14.94562677	0.021703417	0.84028675	0.025828584	0.979394062	0.999371363	Not Sig
ENSG00000144824	PHLDB2	pleckstrin homology like domain family B member 2	90102	1525.232138	0.021750883	0.567243546	0.038344875	0.969412712	0.999371363	Not Sig
ENSG00000215934	NA	NA	NA	3.05841265	0.021793209	1.425210563	0.015291221	0.987799847	NA	NA
ENSG00000101972	STAG2	stromal antigen 2	10735	3431.299092	0.021817887	0.518126741	0.042109169	0.966411671	0.999371363	Not Sig
ENSG00000082068	WDR70	WD repeat domain 70	55100	762.9870308	0.021919805	0.438982612	0.049933196	0.960175624	0.999371363	Not Sig
ENSG00000196535	MYO18A	myosin XVIII A	399687	2372.203012	0.021962794	0.462607777	0.047476059	0.962133811	0.999371363	Not Sig
ENSG00000244723	NA	NA	NA	27.22726432	0.021966577	0.688890719	0.031886882	0.97456226	0.999371363	Not Sig

ENSG00000089154	GCN1	GCN1, eIF2 alpha kinase activator homolog	10985	4037.796701	0.02206558	0.461618075	0.047800511	0.961875229	0.999371363	Not Sig
ENSG00000163870	TPRA1	transmembrane protein adipocyte associated 1	131601	589.3279226	0.022136668	0.598414912	0.036992173	0.970491246	0.999371363	Not Sig
ENSG00000151465	CDC123	cell division cycle 123	8872	686.6984887	0.022195949	0.439631403	0.050487632	0.959733805	0.999371363	Not Sig
ENSG00000086102	NFX1	nuclear transcription factor, X-box binding 1	4799	1476.507764	0.02232495	0.426072746	0.052397039	0.958212333	0.999371363	Not Sig
ENSG00000101004	NINL	ninein like	22981	699.3426922	0.022347964	0.760640595	0.029380452	0.976561163	0.999371363	Not Sig
ENSG00000124523	SIRT5	sirtuin 5	23408	398.954903	0.022414646	0.451096244	0.049689277	0.960370001	0.999371363	Not Sig
ENSG00000124256	ZBP1	Z-DNA binding protein 1	81030	157.8271147	0.02243313	0.704140363	0.031858889	0.974584584	0.999371363	Not Sig
ENSG00000211817	NA	NA	NA	4.048492953	0.022486452	1.425230533	0.015777414	0.987411967	NA	NA
ENSG00000136643	RPS6KC1	ribosomal protein S6 kinase C1	26750	848.8615424	0.022622476	0.49693754	0.045523781	0.96368982	0.999371363	Not Sig
ENSG00000152348	ATG10	autophagy related 10	83734	181.0675374	0.022660685	0.548580192	0.04130788	0.967050451	0.999371363	Not Sig
ENSG00000149488	TMC2	transmembrane channel like 2	117532	6.93494653	0.022674349	1.652289531	0.013722988	0.989050984	0.999371363	Not Sig
ENSG00000120820	GLT8D2	glycosyltransferase 8 domain containing 2	83468	165.7401402	0.022878855	0.475038459	0.048162112	0.961587046	0.999371363	Not Sig
ENSG00000135913	USP37	ubiquitin specific peptidase 37	57695	890.4252609	0.023079728	0.552256392	0.04179169	0.966664759	0.999371363	Not Sig
ENSG00000224470	ATXN1L	ataxin 1 like	342371	1606.646222	0.023291725	0.461383867	0.050482314	0.959738043	0.999371363	Not Sig
ENSG00000065060	UHRF1BP1	UHRF1 binding protein 1	54887	1621.249409	0.023302341	0.441406057	0.052791166	0.9578983	0.999371363	Not Sig
ENSG00000137478	FCHSD2	FCH and double SH3 domains 2	9873	1715.720895	0.023311413	0.40737333	0.05722371	0.954366991	0.999371363	Not Sig
ENSG00000149313	AASDHPPT	aminodipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	60496	723.967356	0.02341765	0.508687684	0.046035419	0.96328202	0.999371363	Not Sig
ENSG00000137393	RNF144B	ring finger protein 144B	255488	1562.046921	0.023426932	0.712829882	0.032864689	0.973782492	0.999371363	Not Sig
ENSG00000260318	NA	NA	NA	44.1784092	0.023580362	0.706954155	0.033354867	0.973391601	0.999371363	Not Sig
ENSG00000168256	NKIRAS2	NFKB inhibitor interacting Ras like 2	28511	655.7523768	0.023596202	0.414546704	0.056920491	0.954608531	0.999371363	Not Sig
ENSG00000114166	KAT2B	lysine acetyltransferase 2B	8850	1158.577671	0.023789334	0.581052388	0.040941805	0.96734229	0.999371363	Not Sig
ENSG00000166747	APIG1	adaptor related protein complex 1 gamma 1 subunit	164	3692.188163	0.023789598	0.466052022	0.051044941	0.959289709	0.999371363	Not Sig
ENSG00000175224	ATG13	autophagy related 13	9776	1529.370624	0.02380576	0.406264225	0.058596742	0.953273306	0.999371363	Not Sig
ENSG00000143643	TTC13	tetratricopeptide repeat domain 13	79573	703.4147044	0.023863745	0.546105843	0.043698021	0.965145116	0.999371363	Not Sig
ENSG00000105127	AKAP8	A-kinase anchoring protein 8	10270	806.4598669	0.024019364	0.473399753	0.050738015	0.959534284	0.999371363	Not Sig
ENSG00000139180	NDUFA9	NADH:ubiquinone oxidoreductase subunit A9	4704	239.651816	0.024492058	0.446457766	0.054858623	0.956251096	0.999371363	Not Sig
ENSG00000020577	SAMD4A	sterile alpha motif domain containing 4A	23034	1346.491017	0.024683396	0.628555662	0.039270024	0.968675106	0.999371363	Not Sig
ENSG00000118873	RAB3GAP2	RAB3 GTPase activating non-catalytic protein subunit 2	25782	1967.50096	0.024801006	0.490397771	0.050573243	0.959665584	0.999371363	Not Sig
ENSG00000136518	ACTL6A	actin like 6A	86	547.2107117	0.02485222	0.522977248	0.047520653	0.96209827	0.999371363	Not Sig
ENSG00000204065	TCEAL5	transcription elongation factor A like 5	340543	1.303482799	0.025012012	2.34840651	0.010650631	0.991502186	NA	NA
ENSG00000198795	ZNF521	zinc finger protein 521	25925	384.3448534	0.025190529	0.496132674	0.050773776	0.959505787	0.999371363	Not Sig
ENSG00000130830	MPP1	membrane palmitoylated protein 1	4354	518.1319657	0.025338192	0.733755696	0.034532192	0.972452772	0.999371363	Not Sig
ENSG00000141456	PELP1	proline, glutamate and leucine rich protein 1	27043	1127.098107	0.025364041	0.486576048	0.052127599	0.958427022	0.999371363	Not Sig
ENSG00000168411	RFWD3	ring finger and WD repeat domain 3	55159	709.5944061	0.025366864	0.457373495	0.055462033	0.955770377	0.999371363	Not Sig
ENSG00000230823	NA	NA	NA	4.723964502	0.02551076	1.473053446	0.017318286	0.986182698	NA	NA

ENSG00000120324	PCDHB10	protocadherin beta 10	56126	61.25660905	0.025558797	0.784958197	0.032560711	0.974024901	0.999371363	Not Sig
ENSG00000221994	ZNF630	zinc finger protein 630	57232	116.4741802	0.0255751	0.602872746	0.042422054	0.966162248	0.999371363	Not Sig
ENSG00000198908	BHLHB9	basic helix-loop-helix family member b9	80823	147.3894041	0.025599237	0.478971598	0.053446253	0.957376353	0.999371363	Not Sig
ENSG00000198908	ARMCX5-GPRASP2	ARMCX5-GPRASP2 readthrough	100528062	147.3894041	0.025599237	0.478971598	0.053446253	0.957376353	0.999371363	Not Sig
ENSG00000230102	LINC02028	long intergenic non-protein coding RNA 2028	285389	23.48512715	0.025606864	0.695246043	0.036831369	0.970619462	0.999371363	Not Sig
ENSG00000167967	E4F1	E4F transcription factor 1	1877	617.814021	0.025667311	0.569347009	0.045082016	0.964041936	0.999371363	Not Sig
ENSG00000124762	CDKN1A	cyclin dependent kinase inhibitor 1A	1026	2132.120319	0.025689103	0.502811509	0.05109092	0.959253071	0.999371363	Not Sig
ENSG00000165895	ARHGAP42	Rho GTPase activating protein 42	143872	1053.010991	0.025810546	0.648616871	0.039793208	0.968257991	0.999371363	Not Sig
ENSG00000231665	NA	NA	NA	2.232747006	0.025888919	1.776483745	0.014573125	0.98837274	NA	NA
ENSG00000091136	LAMB1	laminin subunit beta 1	3912	4135.442227	0.026054995	0.459024228	0.056761699	0.954735025	0.999371363	Not Sig
ENSG00000262246	CORO7	coronin 7	79585	216.7837235	0.026342858	0.565780958	0.04656017	0.962863777	0.999371363	Not Sig
ENSG00000134516	DOCK2	dedicator of cytokinesis 2	1794	1810.204614	0.026431165	0.767518497	0.03443717	0.972528543	0.999371363	Not Sig
ENSG00000232368	NA	NA	NA	7.779404202	0.026731789	1.143253766	0.023382201	0.981345403	0.999371363	Not Sig
ENSG00000247092	NA	NA	NA	110.3311242	0.026826354	0.527661119	0.050840119	0.959452922	0.999371363	Not Sig
ENSG00000147669	POLR2K	RNA polymerase II subunit K	5440	434.7875221	0.026828824	0.512684131	0.052330123	0.958265651	0.999371363	Not Sig
ENSG00000167077	MEI1	meiotic double-stranded break formation protein 1	150365	117.8682497	0.027025456	0.700297674	0.038591383	0.969216173	0.999371363	Not Sig
ENSG00000160229	NA	NA	NA	137.5713196	0.027048142	0.542648551	0.049844678	0.960246163	0.999371363	Not Sig
ENSG00000103852	TTC23	tetratricopeptide repeat domain 23	64927	354.3598726	0.027067944	0.518427332	0.052211645	0.958360054	0.999371363	Not Sig
ENSG00000163840	DTX3L	deltex E3 ubiquitin ligase 3L	151636	3062.813502	0.027080604	0.526655647	0.051419944	0.958990893	0.999371363	Not Sig
ENSG00000156966	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	93010	1310.923531	0.027171775	0.650898786	0.041745009	0.966701974	0.999371363	Not Sig
ENSG00000263770	NA	NA	NA	2.512406276	0.02724704	1.765043612	0.015437035	0.987683517	NA	NA
ENSG00000166441	RPL27A	ribosomal protein L27a	6157	9359.998234	0.027414658	0.436344058	0.062828077	0.949903408	0.999371363	Not Sig
ENSG00000178695	KCTD12	potassium channel tetramerization domain containing 12	115207	4567.505685	0.027486395	0.733160738	0.037490271	0.970094097	0.999371363	Not Sig
ENSG00000238057	ZEB2-AS1	ZEB2 antisense RNA 1	100303491	20.21658171	0.027547633	0.835281999	0.032980039	0.973690506	0.999371363	Not Sig
ENSG00000139684	ESD	esterase D	2098	815.3154157	0.02757646	0.523356347	0.052691556	0.957977667	0.999371363	Not Sig
ENSG00000179409	GEMIN4	gem nuclear organelle associated protein 4	50628	547.6744473	0.027695013	0.456878874	0.060617846	0.951663561	0.999371363	Not Sig
ENSG00000201080	NA	NA	NA	2.627706505	0.027716085	1.518696118	0.018249921	0.985439478	NA	NA
ENSG00000273340	NA	NA	NA	41.05884553	0.027738679	0.629049512	0.044096178	0.964827739	0.999371363	Not Sig
ENSG00000255367	LOC101927708	uncharacterized LOC101927708	101927708	32.12623541	0.027838897	0.987493435	0.028191476	0.977509436	0.999371363	Not Sig
ENSG00000115128	SF3B6	splicing factor 3b subunit 6	51639	473.3908355	0.027861893	0.651709081	0.04275204	0.965899195	0.999371363	Not Sig
ENSG00000141452	WDR98	WD repeat domain 98	29919	465.4620553	0.027940257	0.469349447	0.059529753	0.952530168	0.999371363	Not Sig
ENSG00000168096	ANKS3	ankyrin repeat and sterile alpha motif domain containing 3	124401	524.0708658	0.028027952	0.497884365	0.0562941	0.955107519	0.999371363	Not Sig
ENSG00000207971	MIR125B1	microRNA 125b-1	406911	6.035850289	0.028235779	1.181508363	0.023898078	0.980933907	NA	NA
ENSG00000114491	UMPS	uridine monophosphate synthetase	7372	351.3285327	0.028242936	0.412122943	0.068530365	0.945363449	0.999371363	Not Sig
ENSG00000005339	CREBBP	CREB binding protein	1387	5394.471551	0.028318849	0.391749588	0.072288139	0.942372604	0.999371363	Not Sig

ENSG0000004487	KDM1A	lysine demethylase 1A	23028	1842.645546	0.028325491	0.528043007	0.053642394	0.95722008	0.999371363	Not Sig
ENSG00000176386	CDC26	cell division cycle 26	246184	185.5744304	0.028468146	0.471390518	0.06039185	0.951843549	0.999371363	Not Sig
ENSG00000127774	EMC6	ER membrane protein complex subunit 6	83460	206.6000133	0.028703975	0.496513913	0.057811019	0.953899161	0.999371363	Not Sig
ENSG00000266983	LOC100128568	uncharacterized LOC100128568	100128568	3.464110757	0.028705333	1.274899041	0.02251577	0.982036533	NA	NA
ENSG00000132294	EFR3A	EFR3 homolog A	23167	3070.500842	0.028795632	0.452922904	0.063577337	0.949306778	0.999371363	Not Sig
ENSG00000228998	NA	NA	NA	161.9492127	0.028875257	0.497302398	0.05806378	0.953697825	0.999371363	Not Sig
ENSG00000249700	SRD5A3-AS1	SRD5A3 antisense RNA 1	100506462	13.52760214	0.02890832	0.767340328	0.037673401	0.969948084	0.999371363	Not Sig
ENSG00000169967	MAP3K2	mitogen-activated protein kinase kinase kinase 2	10746	3210.713031	0.028997645	0.552646955	0.052470469	0.958153825	0.999371363	Not Sig
ENSG00000139168	ZCRB1	zinc finger CCHC-type and RNA binding motif containing 1	85437	482.2909945	0.029019152	0.441913506	0.065667039	0.947642914	0.999371363	Not Sig
ENSG00000249492	NA	NA	NA	14.92387945	0.029196709	0.812384811	0.035939506	0.971330595	0.999371363	Not Sig
ENSG00000224183	NA	NA	NA	6.037853709	0.02921402	1.088253028	0.026844878	0.978583459	NA	NA
ENSG00000264958	NA	NA	NA	4.064230019	0.029226282	1.304649543	0.022401634	0.982127577	NA	NA
ENSG00000201812	NA	NA	NA	1.54752267	0.029304787	2.019791244	0.01450882	0.988424043	NA	NA
ENSG00000162627	SNX7	sorting nexin 7	51375	398.4931863	0.029492533	0.529295181	0.055720388	0.955564557	0.999371363	Not Sig
ENSG00000112339	HBS1L	HBS1 like translational GTPase	10767	1201.074932	0.029520236	0.493847527	0.059776013	0.95233403	0.999371363	Not Sig
ENSG00000088356	PDRG1	p53 and DNA damage regulated 1	81572	209.0108733	0.029562236	0.499621661	0.059169245	0.952817306	0.999371363	Not Sig
ENSG00000118564	FBXL5	F-box and leucine rich repeat protein 5	26234	2153.646503	0.029683145	0.464599149	0.063889797	0.949057977	0.999371363	Not Sig
ENSG00000169231	THBS3	thrombospondin 3	7059	803.3035505	0.029912117	0.490618062	0.060968234	0.951384507	0.999371363	Not Sig
ENSG00000111540	RAB5B	RAB5B, member RAS oncogene family	5869	908.3551467	0.030058963	0.454581833	0.066124426	0.947278764	0.999371363	Not Sig
ENSG00000168028	RPSA	ribosomal protein SA	3921	6926.292242	0.030210266	0.497280922	0.060750905	0.95155759	0.999371363	Not Sig
ENSG00000250362	NA	NA	NA	3.269993656	0.030213743	1.411135046	0.021410951	0.982917838	NA	NA
ENSG00000260552	LOC101927809	uncharacterized LOC101927809	101927809	12.55112782	0.030284642	0.793237335	0.038178538	0.969545332	0.999371363	Not Sig
ENSG00000273149	NA	NA	NA	46.69882984	0.030330498	0.589955871	0.051411469	0.958997646	0.999371363	Not Sig
ENSG00000177613	CSTF2T	cleavage stimulation factor subunit 2 tau variant	23283	649.2416834	0.030371101	0.406818603	0.074655144	0.940489098	0.999371363	Not Sig
ENSG00000198160	MIER1	MIER1 transcriptional regulator	57708	1636.882309	0.030391959	0.549036964	0.055355032	0.95585562	0.999371363	Not Sig
ENSG00000100503	NIN	ninein	51199	2541.047198	0.030463593	0.426319481	0.071457193	0.943033893	0.999371363	Not Sig
ENSG00000108953	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon	7531	5600.569176	0.030484418	0.421459686	0.072330566	0.94233884	0.999371363	Not Sig
ENSG00000213281	NRAS	NRAS proto-oncogene, GTPase	4893	1261.076461	0.030571742	0.606742894	0.05038665	0.959814275	0.999371363	Not Sig
ENSG00000257453	NA	NA	NA	5.157964222	0.030606691	1.099792769	0.027829508	0.977798131	NA	NA
ENSG00000183558	NA	NA	NA	1.844773092	0.030607856	1.93158316	0.015845995	0.987357255	NA	NA
ENSG00000028839	TBPL1	TATA-box binding protein like 1	9519	223.500639	0.030702119	0.432287015	0.071022534	0.943379821	0.999371363	Not Sig
ENSG00000136111	TBC1D4	TBC1 domain family member 4	9882	884.2873814	0.030711602	0.589473717	0.052100036	0.958448985	0.999371363	Not Sig
ENSG00000161911	TREML1	triggering receptor expressed on myeloid cells like 1	340205	18.89120765	0.030780978	0.802284038	0.038366684	0.969395324	0.999371363	Not Sig
ENSG00000267333	NA	NA	NA	2.300521217	0.030972001	2.015020906	0.015370561	0.98773655	NA	NA
ENSG00000140254	DUOXA1	dual oxidase maturation factor 1	90527	423.968994	0.031090834	1.022659374	0.030401945	0.975746494	0.999371363	Not Sig

ENSG00000170579	DLGAP1	DLG associated protein 1	9229	105.7692156	0.031094078	0.918442861	0.033855213	0.972992608	0.999371363	Not Sig
ENSG00000237418	NA	NA	NA	4.720820542	0.031116978	1.166896199	0.026666449	0.978725773	NA	NA
ENSG00000196323	ZBTB44	zinc finger and BTB domain containing 44	29068	2143.502616	0.031226282	0.456070526	0.068468099	0.945413014	0.999371363	Not Sig
ENSG00000076924	XAB2	XPA binding protein 2	56949	1030.380042	0.031238352	0.630530017	0.049543005	0.960486566	0.999371363	Not Sig
ENSG00000267881	NA	NA	NA	4.371471842	0.031382776	1.881015932	0.01668395	0.986688751	NA	NA
ENSG00000205903	ZNF316	zinc finger protein 316	100131017	1254.965912	0.03147762	0.610018861	0.05160106	0.958846575	0.999371363	Not Sig
ENSG00000151366	NDUFC2	NADH:ubiquinone oxidoreductase subunit C2	4718	329.7796833	0.031678022	0.49445271	0.064066839	0.948917006	0.999371363	Not Sig
ENSG00000122068	FYTTD1	forty-two-three domain containing 1	84248	1339.351832	0.031742689	0.449914887	0.070552652	0.943753794	0.999371363	Not Sig
ENSG00000104361	NIPAL2	NIPA like domain containing 2	79815	814.936407	0.031972195	0.569244975	0.056165967	0.955209593	0.999371363	Not Sig
ENSG00000182318	ZSCAN22	zinc finger and SCAN domain containing 22	342945	166.1851054	0.032500758	0.537782562	0.060434757	0.951809377	0.999371363	Not Sig
ENSG00000105088	OLFM2	olfactomedin 2	93145	162.8754909	0.032542825	0.677066753	0.048064427	0.961664897	0.999371363	Not Sig
ENSG00000173406	DAB1	DAB1, reelin adaptor protein	1600	15.92145393	0.032709009	0.82427791	0.039682016	0.96834664	0.999371363	Not Sig
ENSG00000134644	PUM1	pumilio RNA binding family member 1	9698	4188.674582	0.032977129	0.503135886	0.065543187	0.947741522	0.999371363	Not Sig
ENSG00000213639	PPP1CB	protein phosphatase 1 catalytic subunit beta	5500	5551.248035	0.0330104	0.456605749	0.072295192	0.942366991	0.999371363	Not Sig
ENSG00000266777	NA	NA	NA	86.32815318	0.033030258	0.585616861	0.056402505	0.955021161	0.999371363	Not Sig
ENSG00000164776	PHKG1	phosphorylase kinase catalytic subunit gamma 1	5260	56.58833439	0.033218473	0.608273492	0.054611082	0.95644831	0.999371363	Not Sig
ENSG00000140319	SRP14	signal recognition particle 14	6727	1707.970023	0.033481363	0.43333599	0.077264209	0.938413363	0.999371363	Not Sig
ENSG00000148459	PDSS1	decaprenyl diphosphate synthase subunit 1	23590	113.3272764	0.033535842	0.563197717	0.059545416	0.952517693	0.999371363	Not Sig
ENSG00000140545	MFG8	milk fat globule-EGF factor 8 protein	4240	1234.412691	0.033796704	0.541658792	0.062394822	0.950248418	0.999371363	Not Sig
ENSG00000204713	TRIM27	tripartite motif containing 27	5987	2007.905612	0.033817489	0.459022463	0.073672841	0.94127071	0.999371363	Not Sig
ENSG00000130332	LSM7	LSM7 homolog, U6 small nuclear RNA and mRNA degradation associated	51690	385.3387586	0.033896752	0.485612698	0.06980203	0.944351231	0.999371363	Not Sig
ENSG00000122986	HVCN1	hydrogen voltage gated channel 1	84329	193.8716027	0.033930267	0.7590374	0.044701706	0.964345074	0.999371363	Not Sig
ENSG00000266649	MIR3126	microRNA 3126	100423030	4.571733324	0.034128071	1.315263531	0.025947706	0.979299049	NA	NA
ENSG00000087095	NLK	nemo like kinase	51701	876.9228936	0.034159719	0.391689147	0.087211299	0.930503559	0.999371363	Not Sig
ENSG00000185811	IKZF1	IKAROS family zinc finger 1	10320	1173.704011	0.034194527	0.783208271	0.043659558	0.965175776	0.999371363	Not Sig
ENSG00000065978	YBX1	Y-box binding protein 1	4904	5526.664767	0.034298349	0.427101946	0.08030483	0.935994817	0.999371363	Not Sig
ENSG00000148334	PTGES2	prostaglandin E synthase 2	80142	632.5798984	0.034316968	0.586169461	0.058544449	0.953314958	0.999371363	Not Sig
ENSG00000139547	RDH16	retinol dehydrogenase 16 (all-trans)	8608	14.67268809	0.034375493	0.944559695	0.03639314	0.970968884	0.999371363	Not Sig
ENSG00000132466	ANKRD17	ankyrin repeat domain 17	26057	4573.507251	0.034453947	0.42972175	0.080177341	0.936096211	0.999371363	Not Sig
ENSG00000132463	GRSF1	G-rich RNA sequence binding factor 1	2926	1809.195422	0.034754753	0.447737224	0.077623103	0.938127864	0.999371363	Not Sig
ENSG00000163026	WDCP	WD repeat and coiled coil containing	80304	174.3032366	0.034813586	0.463021813	0.075187789	0.9400653	0.999371363	Not Sig
ENSG00000101882	NKAP	NFKB activating protein	79576	336.9788041	0.034907531	0.466076399	0.074896585	0.940296994	0.999371363	Not Sig
ENSG00000154102	C16orf74	chromosome 16 open reading frame 74	404550	47.77830452	0.035010129	0.730708093	0.047912606	0.961785893	0.999371363	Not Sig
ENSG00000183718	TRIM52	tripartite motif containing 52	84851	476.7611719	0.035069716	0.425808003	0.082360398	0.934360127	0.999371363	Not Sig
ENSG00000196981	WDR5B	WD repeat domain 5B	54554	214.2305247	0.035135453	0.50090927	0.070143347	0.944079566	0.999371363	Not Sig

ENSG00000178750	STX19	syntaxin 19	415117	47.77284756	0.035262756	0.754411393	0.046742078	0.962718793	0.999371363	Not Sig
ENSG00000240764	PCDHGC5	protocadherin gamma subfamily C, 5	56097	50.4112185	0.035355003	0.69199486	0.051091424	0.959252669	0.999371363	Not Sig
ENSG00000240098	NA	NA	NA	9.185130251	0.035366089	0.879905476	0.040193054	0.967939215	0.999371363	Not Sig
ENSG00000071564	TCF3	transcription factor 3	6929	1067.441624	0.035461322	0.506267394	0.070044649	0.944158122	0.999371363	Not Sig
ENSG00000252010	SCARNA5	small Cajal body-specific RNA 5	677775	1910.324672	0.035472161	0.57367352	0.061833359	0.950695538	0.999371363	Not Sig
ENSG00000116127	ALMS1	ALMS1, centrosome and basal body associated protein	7840	2177.261664	0.035700485	0.426160125	0.083772468	0.933237338	0.999371363	Not Sig
ENSG00000163156	SCNM1	sodium channel modifier 1	79005	281.1356569	0.035735868	0.46801069	0.076356948	0.93913512	0.999371363	Not Sig
ENSG00000163156	TNFAIP8L2-SCNM1	TNFAIP8L2-SCNM1 readthrough	100534012	281.1356569	0.035735868	0.46801069	0.076356948	0.93913512	0.999371363	Not Sig
ENSG00000236305	SLC12A9-AS1	SLC12A9 antisense RNA 1	105375430	3.096329701	0.035753125	1.309633066	0.027300109	0.97822037	NA	NA
ENSG00000013374	NUB1	negative regulator of ubiquitin like proteins 1	51667	1786.370606	0.035823626	0.45227896	0.079206926	0.936868036	0.999371363	Not Sig
ENSG00000143514	TP53BP2	tumor protein p53 binding protein 2	7159	1637.945625	0.03592804	0.486016561	0.07392349	0.941071265	0.999371363	Not Sig
ENSG00000206596	NA	NA	NA	1.235968877	0.036105435	2.864553893	0.012604209	0.989943563	NA	NA
ENSG00000169981	ZNF35	zinc finger protein 35	7584	224.8167079	0.036169279	0.422154733	0.085677777	0.931722569	0.999371363	Not Sig
ENSG00000124177	CHD6	chromodomain helicase DNA binding protein 6	84181	3123.599908	0.036199083	0.457040883	0.079203161	0.93687103	0.999371363	Not Sig
ENSG00000163453	IGFBP7	insulin like growth factor binding protein 7	3490	6000.869491	0.036461144	0.541696047	0.067309231	0.946335528	0.999371363	Not Sig
ENSG00000000419	DPM1	dolichyl-phosphate mannosyltransferase subunit 1, catalytic	8813	461.3773681	0.036499097	0.485338288	0.075203416	0.940052867	0.999371363	Not Sig
ENSG00000126522	ASL	argininosuccinate lyase	435	635.253514	0.036717276	0.541261105	0.067836531	0.945915763	0.999371363	Not Sig
ENSG00000196081	NA	NA	NA	98.26509225	0.036796224	0.826307969	0.044530883	0.964481235	0.999371363	Not Sig
ENSG00000126777	KTN1	kinectin 1	3895	5951.06953	0.036903529	0.388274436	0.095044962	0.924279114	0.999371363	Not Sig
ENSG00000105229	PIAS4	protein inhibitor of activated STAT 4	51588	591.9431727	0.036915286	0.57083483	0.064668945	0.94843759	0.999371363	Not Sig
ENSG00000130675	MNX1	motor neuron and pancreas homeobox 1	3110	187.8089605	0.037224272	1.090098293	0.034147629	0.972759428	0.999371363	Not Sig
ENSG00000171817	ZNF540	zinc finger protein 540	163255	100.3858274	0.03724996	0.668973847	0.055682237	0.955594951	0.999371363	Not Sig
ENSG00000198208	RPS6KL1	ribosomal protein S6 kinase like 1	83694	77.30015514	0.037309354	0.819752936	0.045512925	0.963698473	0.999371363	Not Sig
ENSG00000162645	GBP2	guanylate binding protein 2	2634	1735.31877	0.037320701	0.551504558	0.067670703	0.946047772	0.999371363	Not Sig
ENSG00000150347	ARID5B	AT-rich interaction domain 5B	84159	2733.857908	0.037321609	0.489054398	0.076313819	0.939169432	0.999371363	Not Sig
ENSG00000165996	HACD1	3-hydroxyacyl-CoA dehydratase 1	9200	123.6061637	0.037337767	0.495636817	0.075332916	0.939949833	0.999371363	Not Sig
ENSG00000266687	NA	NA	NA	2.818806894	0.037351416	1.37970848	0.027071962	0.978402338	NA	NA
ENSG00000241785	NA	NA	NA	3.79799387	0.037398714	1.299597308	0.028777156	0.97704232	NA	NA
ENSG00000112874	NUDT12	nudix hydrolase 12	83594	294.8872389	0.037410725	0.506534678	0.073856197	0.941124811	0.999371363	Not Sig
ENSG00000138080	EMILIN1	elastin microfibril interfacer 1	11117	2360.038977	0.037443432	0.512498931	0.073060508	0.941757968	0.999371363	Not Sig
ENSG00000128872	TMOD2	tropomodulin 2	29767	459.1089372	0.037603072	0.569478281	0.066030739	0.947353353	0.999371363	Not Sig
ENSG00000187676	B3GLCT	beta 3-glucosyltransferase	145173	299.0797521	0.03782916	0.446067021	0.084806	0.932415624	0.999371363	Not Sig
ENSG00000100364	KIAA0930	KIAA0930	23313	1764.454099	0.037852439	0.558289213	0.067800771	0.94594423	0.999371363	Not Sig
ENSG00000132286	TIMM10B	translocase of inner mitochondrial membrane 10B	26515	620.2252713	0.038103217	0.452860407	0.08413899	0.932945925	0.999371363	Not Sig
ENSG00000243335	KCTD7	potassium channel tetramerization domain containing 7	154881	508.257465	0.038267504	0.467960515	0.081775071	0.93482558	0.999371363	Not Sig

ENSG00000184619	KRBA2	KRAB-A domain containing 2	124751	37.65863779	0.038322316	0.589549535	0.065002707	0.948171845	0.999371363	Not Sig
ENSG00000239291	NA	NA	NA	44.90941227	0.038341229	0.541001837	0.070870793	0.943500588	0.999371363	Not Sig
ENSG00000229991	NA	NA	NA	2.651995482	0.038586956	1.711205647	0.022549573	0.982009569	NA	NA
ENSG00000162600	OMA1	OMA1 zinc metallopeptidase	115209	490.8290703	0.038650628	0.563013227	0.068649592	0.945268543	0.999371363	Not Sig
ENSG00000259020	NA	NA	NA	1.16384983	0.038742826	2.504188929	0.015471207	0.987656255	NA	NA
ENSG00000115875	SRSF7	serine and arginine rich splicing factor 7	6432	1879.795217	0.038810259	0.397109139	0.097731972	0.922145127	0.999371363	Not Sig
ENSG00000101421	CHMP4B	charged multivesicular body protein 4B	128866	2056.123674	0.039002951	0.421130446	0.092614893	0.926209512	0.999371363	Not Sig
ENSG00000107862	GBF1	golgi brefeldin A resistant guanine nucleotide exchange factor 1	8729	3058.156827	0.039071466	0.425218153	0.091885697	0.926788856	0.999371363	Not Sig
ENSG00000196305	IARS	isoleucyl-tRNA synthetase	3376	2741.721136	0.039084747	0.52804554	0.074017759	0.940996254	0.999371363	Not Sig
ENSG00000178531	CTXN1	cortexin 1	404217	168.4982489	0.039180586	0.7337479	0.053397884	0.957414891	0.999371363	Not Sig
ENSG00000131626	PPFIA1	PTPRF interacting protein alpha 1	8500	2139.902555	0.039267544	0.405107716	0.096931119	0.922781096	0.999371363	Not Sig
ENSG00000115661	STK16	serine/threonine kinase 16	8576	335.2548466	0.039286036	0.533797665	0.073597242	0.941330866	0.999371363	Not Sig
ENSG00000182979	MTA1	metastasis associated 1	9112	1555.181697	0.039302496	0.476931664	0.082406976	0.934323089	0.999371363	Not Sig
ENSG00000226823	NA	NA	NA	13.49440254	0.039316562	0.829537404	0.047395768	0.962197802	0.999371363	Not Sig
ENSG00000087460	GNAS	GNAS complex locus	2778	10567.76612	0.039319503	0.440629623	0.089234815	0.928895297	0.999371363	Not Sig
ENSG00000265089	MIR4655	microRNA 4655	100616160	2.473770164	0.039421472	1.459320001	0.02701359	0.978448895	NA	NA
ENSG00000162300	ZFPL1	zinc finger protein like 1	7542	440.4039449	0.039565014	0.435133751	0.090926098	0.927551313	0.999371363	Not Sig
ENSG00000134001	EIF2S1	eukaryotic translation initiation factor 2 subunit alpha	1965	1148.060362	0.039749045	0.430815267	0.092264708	0.926487727	0.999371363	Not Sig
ENSG00000259623	NA	NA	NA	281.0073852	0.039902136	0.625232827	0.063819644	0.949113837	0.999371363	Not Sig
ENSG00000200455	NA	NA	NA	3.625902036	0.040011393	1.688007667	0.023703324	0.981089254	NA	NA
ENSG00000229638	NA	NA	NA	29.77937619	0.04004492	0.659504331	0.060719722	0.951582425	0.999371363	Not Sig
ENSG00000154079	SDHAF4	succinate dehydrogenase complex assembly factor 4	135154	138.6692087	0.040101925	0.507965932	0.078946091	0.937075502	0.999371363	Not Sig
ENSG00000196365	LONP1	lon peptidase 1, mitochondrial	9361	1480.830026	0.040135432	0.496243318	0.080878533	0.935538552	0.999371363	Not Sig
ENSG00000171124	FUT3	fucosyltransferase 3 (Lewis blood group)	2525	290.4449941	0.040299552	0.761727851	0.052905447	0.957807245	0.999371363	Not Sig
ENSG00000151376	ME3	malic enzyme 3	10873	493.559761	0.040344302	0.447920615	0.090070205	0.928231426	0.999371363	Not Sig
ENSG00000145675	PIK3R1	phosphoinositide-3-kinase regulatory subunit 1	5295	2381.539695	0.040345291	0.622368775	0.064825378	0.948313035	0.999371363	Not Sig
ENSG00000156113	KCNMA1	potassium calcium-activated channel subfamily M alpha 1	3778	399.4040172	0.040446537	0.702499534	0.05757518	0.95408702	0.999371363	Not Sig
ENSG00000136758	YME1L1	YME1 like 1 ATPase	10730	2951.142402	0.040633392	0.461572109	0.088033742	0.929849858	0.999371363	Not Sig
ENSG00000259728	LINC00933	long intergenic non-protein coding RNA 933	100506874	11.12144057	0.040962103	0.876559004	0.046730571	0.962727965	0.999371363	Not Sig
ENSG00000266531	MIR4706	microRNA 4706	100616490	2.128733435	0.040988778	1.633127349	0.025098336	0.979976528	NA	NA
ENSG00000116539	ASH1L	ASH1 like histone lysine methyltransferase	55870	6264.21605	0.040999972	0.467403182	0.087718641	0.930100303	0.999371363	Not Sig
ENSG00000081014	AP4E1	adaptor related protein complex 4 epsilon 1 subunit	23431	512.9382026	0.041082741	0.5420199	0.075795632	0.939581691	0.999371363	Not Sig
ENSG00000107959	PITRM1	pitrilysin metallopeptidase 1	10531	1548.356153	0.041191895	0.44702006	0.092147756	0.926580646	0.999371363	Not Sig
ENSG00000007968	E2F2	E2F transcription factor 2	1870	122.9761383	0.041195927	0.718140733	0.057364699	0.954254683	0.999371363	Not Sig
ENSG00000186280	KDM4D	lysine demethylase 4D	55693	23.50803971	0.041204689	0.737118131	0.055899709	0.955421703	0.999371363	Not Sig

ENSG00000184227	ACOT1	acyl-CoA thioesterase 1	641371	54.49761357	0.04125093	0.71538208	0.057662795	0.954017229	0.999371363	Not Sig
ENSG00000168917	SLC35G2	solute carrier family 35 member G2	80723	102.3891934	0.041433827	0.721480415	0.057428901	0.954203542	0.999371363	Not Sig
ENSG00000148908	RGS10	regulator of G protein signaling 10	6001	273.6478626	0.041434084	0.544848604	0.076046967	0.939381732	0.999371363	Not Sig
ENSG00000165280	VCP	valosin containing protein	7415	5818.8934	0.04150398	0.444784846	0.093312486	0.925655313	0.999371363	Not Sig
ENSG00000170965	PLAC1	placenta specific 1	10761	2.027172235	0.041605162	2.201438468	0.01889908	0.984921613	NA	NA
ENSG00000009790	TRAF3IP3	TRAF3 interacting protein 3	80342	368.6596857	0.041824449	0.642417094	0.065104819	0.948090544	0.999371363	Not Sig
ENSG00000197562	RAB40C	RAB40C, member RAS oncogene family	57799	1109.144474	0.041839364	0.501529691	0.083423503	0.933514801	0.999371363	Not Sig
ENSG00000109758	HGFAC	HGF activator	3083	10.71906998	0.041869864	1.061340867	0.039449969	0.968531642	0.999371363	Not Sig
ENSG00000131473	ACLY	ATP citrate lyase	47	3243.036167	0.042100286	0.437174364	0.096300902	0.923281595	0.999371363	Not Sig
ENSG00000261101	NA	NA	NA	35.48354111	0.042110858	0.677616552	0.062145557	0.950446918	0.999371363	Not Sig
ENSG00000104853	CLPTM1	CLPTM1, transmembrane protein	1209	1988.503483	0.042249769	0.456737976	0.092503298	0.926298171	0.999371363	Not Sig
ENSG00000196990	FAM163B	family with sequence similarity 163 member B	642968	1.003215664	0.042372993	2.601709311	0.016286598	0.987005749	NA	NA
ENSG00000211765	NA	NA	NA	1.003215664	0.042372993	2.601709311	0.016286598	0.987005749	NA	NA
ENSG00000163625	WDFY3	WD repeat and FYVE domain containing 3	23001	4951.209279	0.042403978	0.406998219	0.104187135	0.917020843	0.999371363	Not Sig
ENSG00000166912	MTMR10	myotubularin related protein 10	54893	1161.124868	0.042413894	0.480627168	0.088246976	0.929680382	0.999371363	Not Sig
ENSG00000107937	GTPBP4	GTP binding protein 4	23560	1070.854533	0.04242331	0.496663567	0.085416593	0.931930202	0.999371363	Not Sig
ENSG00000138614	INTS14	integrator complex subunit 14	81556	663.5876093	0.042453491	0.423763394	0.100182062	0.920199787	0.999371363	Not Sig
ENSG00000197479	PCDHB11	protocadherin beta 11	56125	108.0361769	0.04245617	0.817346802	0.051943887	0.958573405	0.999371363	Not Sig
ENSG00000155463	OXAIL	OXAIL, mitochondrial inner membrane protein	5018	1213.436829	0.042458324	0.401606262	0.105721271	0.915803503	0.999371363	Not Sig
ENSG00000140350	ANP32A	acidic nuclear phosphoprotein 32 family member A	8125	2303.758653	0.042749471	0.404783104	0.105610809	0.915891148	0.999371363	Not Sig
ENSG00000107551	RASSF4	Ras association domain family member 4	83937	1092.401493	0.043518953	0.586809184	0.074162018	0.940881468	0.999371363	Not Sig
ENSG00000103326	CAPN15	calpain 15	6650	1548.062528	0.043560462	0.583951701	0.074596001	0.940536156	0.999371363	Not Sig
ENSG00000147133	TAF1	TATA-box binding protein associated factor 1	6872	2418.227808	0.043874705	0.406345083	0.107974002	0.914016315	0.999371363	Not Sig
ENSG00000233806	LINC01237	long intergenic non-protein coding RNA 1237	101927289	22.21654457	0.043930172	0.788753474	0.055695693	0.955584231	0.999371363	Not Sig
ENSG00000115339	GALNT3	polypeptide N-acetylgalactosaminyltransferase 3	2591	1112.370199	0.043986607	0.729270406	0.060315908	0.951904032	0.999371363	Not Sig
ENSG00000173065	FAM222B	family with sequence similarity 222 member B	55731	732.2374122	0.044027129	0.479854559	0.091750987	0.926895887	0.999371363	Not Sig
ENSG00000168763	CNNM3	cyclin and CBS domain divalent metal cation transport mediator 3	26505	869.5688874	0.044053839	0.515079664	0.085528205	0.931841473	0.999371363	Not Sig
ENSG00000106771	TMEM245	transmembrane protein 245	23731	3134.938137	0.044110061	0.416405942	0.10593043	0.91563755	0.999371363	Not Sig
ENSG00000207588	MIR593	microRNA 593	693178	10.0485748	0.044126983	1.161788957	0.037981927	0.969702092	0.999371363	Not Sig
ENSG00000087087	SRRT	serrate, RNA effector molecule	51593	1706.846991	0.044214987	0.472431554	0.093590249	0.925434655	0.999371363	Not Sig
ENSG00000093000	NUP50	nucleoporin 50	10762	1890.15025	0.044285226	0.426576444	0.103815451	0.917315804	0.999371363	Not Sig
ENSG00000132740	IGHMBP2	immunoglobulin mu binding protein 2	3508	524.9822822	0.044564192	0.517151676	0.086172382	0.931329385	0.999371363	Not Sig
ENSG00000040531	CTNS	cystinosin, lysosomal cystine transporter	1497	396.8842237	0.044717139	0.457043262	0.097840058	0.922059298	0.999371363	Not Sig
ENSG00000166401	SERPINB8	serpin family B member 8	5271	314.9350243	0.044834363	0.569987781	0.078658463	0.937304285	0.999371363	Not Sig
ENSG00000169129	AFAP1L2	actin filament associated protein 1 like 2	84632	287.512727	0.044863357	0.742443592	0.06042662	0.951815857	0.999371363	Not Sig

ENSG00000227124	ZNF717	zinc finger protein 717	100131827	206.0056905	0.044908178	0.673745411	0.066654522	0.94685674	0.999371363	Not Sig
ENSG00000108270	NA	NA	NA	926.4271692	0.045075116	0.417932355	0.10785266	0.91411257	0.999371363	Not Sig
ENSG00000124664	SPDEF	SAM pointed domain containing ETS transcription factor	25803	464.5571156	0.045264871	0.977981929	0.046283954	0.963083928	0.999371363	Not Sig
ENSG00000173681	BCLAF3	BCLAF1 and THRAP3 family member 3	256643	724.7327573	0.045328502	0.654713633	0.069234089	0.944803289	0.999371363	Not Sig
ENSG00000177888	ZBTB41	zinc finger and BTB domain containing 41	360023	1538.730677	0.0456859	0.676767296	0.06750607	0.94617883	0.999371363	Not Sig
ENSG00000159753	CARMIL2	capping protein regulator and myosin 1 linker 2	146206	147.4374386	0.046023349	0.488136494	0.09428377	0.924883742	0.999371363	Not Sig
ENSG00000203965	EFCAB7	EF-hand calcium binding domain 7	84455	174.2110973	0.046091974	0.648734009	0.07104911	0.94335867	0.999371363	Not Sig
ENSG00000121848	NA	NA	NA	1063.275362	0.046115445	0.4421208	0.104305079	0.916927247	0.999371363	Not Sig
ENSG00000203667	COX20	COX20, cytochrome c oxidase assembly factor	116228	602.0504052	0.046202272	0.531253515	0.086968408	0.930696624	0.999371363	Not Sig
ENSG00000267091	NA	NA	NA	1.431918389	0.04658516	2.374040867	0.019622729	0.984344332	NA	NA
ENSG00000226406	NA	NA	NA	2.137883631	0.046664765	1.785602448	0.026133905	0.979150534	NA	NA
ENSG00000153015	CWC27	CWC27 spliceosome associated protein homolog	10283	449.7252005	0.046686548	0.517596851	0.090198671	0.92812934	0.999371363	Not Sig
ENSG00000164405	UQCRCQ	ubiquinol-cytochrome c reductase complex III subunit VII	27089	824.2896314	0.046704336	0.558710268	0.083593123	0.933379935	0.999371363	Not Sig
ENSG00000128203	ASPHD2	aspartate beta-hydroxylase domain containing 2	57168	81.73182894	0.04685966	0.629365098	0.074455447	0.940647991	0.999371363	Not Sig
ENSG00000178922	HYI	hydroxypyruvate isomerase (putative)	81888	611.6527039	0.046963467	0.477747252	0.098301909	0.921692562	0.999371363	Not Sig
ENSG00000253797	UTP14C	UTP14C, small subunit processome component	9724	872.6979513	0.047131545	0.460256439	0.102402793	0.918436967	0.999371363	Not Sig
ENSG00000149926	FAM57B	family with sequence similarity 57 member B	83723	3.964628477	0.047209386	1.818929769	0.025954485	0.979293642	NA	NA
ENSG00000166959	MS4A8	membrane spanning 4-domains A8	83661	176.7249951	0.047308326	1.17360719	0.040310187	0.967845832	0.999371363	Not Sig
ENSG00000153832	FBX036	F-box protein 36	130888	152.4027467	0.047417278	0.482019415	0.098372133	0.921636802	0.999371363	Not Sig
ENSG00000180357	ZNF609	zinc finger protein 609	23060	3056.076278	0.047471196	0.42715565	0.11113325	0.911510682	0.999371363	Not Sig
ENSG00000177842	ZNF620	zinc finger protein 620	253639	164.7548344	0.04797568	0.565136969	0.084892129	0.93234715	0.999371363	Not Sig
ENSG00000154553	PDLIM3	PDZ and LIM domain 3	27295	1095.253974	0.048022284	0.59115363	0.081234863	0.935255174	0.999371363	Not Sig
ENSG00000204599	TRIM39	tripartite motif containing 39	56658	382.9780152	0.04806301	0.505874151	0.095009816	0.92430703	0.999371363	Not Sig
ENSG00000154864	PIEZO2	piezo type mechanosensitive ion channel component 2	63895	968.1336012	0.048140037	0.410039925	0.117403291	0.906540476	0.999371363	Not Sig
ENSG00000259248	USP3-AS1	USP3 antisense RNA 1	100130855	42.12503836	0.048154784	0.837413073	0.057504218	0.954143546	0.999371363	Not Sig
ENSG00000128951	DUT	deoxyuridine triphosphatase	1854	919.429095	0.048356595	0.446365275	0.108334134	0.913730647	0.999371363	Not Sig
ENSG00000205250	E2F4	E2F transcription factor 4	1874	984.8965419	0.048466243	0.548502459	0.088361032	0.929589732	0.999371363	Not Sig
ENSG00000104763	ASAH1	N-acylsphingosine amidohydrolase 1	427	6567.305312	0.048629713	0.661056974	0.073563573	0.941357657	0.999371363	Not Sig
ENSG00000146574	CCZ1B	CCZ1 homolog B, vacuolar protein trafficking and biogenesis associated	221960	554.0177121	0.048673007	0.754016331	0.064551661	0.948530973	0.999371363	Not Sig
ENSG00000228113	NA	NA	NA	25.22582882	0.048731959	0.855937029	0.056934048	0.954597732	0.999371363	Not Sig
ENSG00000108298	RPL19	ribosomal protein L19	6143	9762.39628	0.048810337	0.423654454	0.115212614	0.908276601	0.999371363	Not Sig
ENSG00000186564	FOXD2	forkhead box D2	2306	51.96294669	0.048841123	0.63781249	0.076575991	0.938960859	0.999371363	Not Sig
ENSG00000128908	INO80	INO80 complex subunit	54617	1713.841248	0.048885756	0.410389544	0.119120375	0.905179989	0.999371363	Not Sig
ENSG00000168675	LDLRAD4	low density lipoprotein receptor class A domain containing 4	753	1233.917274	0.048905939	0.794039896	0.061591287	0.950888316	0.999371363	Not Sig
ENSG00000049245	VAMP3	vesicle associated membrane protein 3	9341	1756.567236	0.048972915	0.499857025	0.097973846	0.921953062	0.999371363	Not Sig

ENSG00000259444	NA	NA	NA	4.297387342	0.048982551	1.58511237	0.030901627	0.975347993	NA	NA
ENSG00000235552	NA	NA	NA	33.70377355	0.049123155	0.744451971	0.06598566	0.947389242	0.999371363	Not Sig
ENSG00000252378	NA	NA	NA	5.465671287	0.049269583	1.161618179	0.04241461	0.966168181	NA	NA
ENSG00000255428	LOC100132078	uncharacterized LOC100132078	100132078	4.19440874	0.049272884	1.780736004	0.027669954	0.977925388	NA	NA
ENSG00000150991	UBC	ubiquitin C	7316	15468.10979	0.049289271	0.491349054	0.100314167	0.920094911	0.999371363	Not Sig
ENSG00000162729	IGSF8	immunoglobulin superfamily member 8	93185	1048.314438	0.049583264	0.643957397	0.076997739	0.938625343	0.999371363	Not Sig
ENSG00000102287	GABRE	gamma-aminobutyric acid type A receptor epsilon subunit	2564	772.9548025	0.049586801	0.764265787	0.064881618	0.948268256	0.999371363	Not Sig
ENSG00000111224	PARP1	poly(ADP-ribose) polymerase family member 11	57097	318.6131597	0.049708249	0.543956305	0.091382797	0.92718843	0.999371363	Not Sig
ENSG00000237190	CDKN2AIPNL	CDKN2A interacting protein N-terminal like	91368	184.4486238	0.049766349	0.480868864	0.103492558	0.917572056	0.999371363	Not Sig
ENSG00000085185	BCORL1	BCL6 corepressor like 1	63035	781.7858043	0.049771901	0.492302947	0.101100148	0.919470961	0.999371363	Not Sig
ENSG00000159792	PSKH1	protein serine kinase H1	5681	848.2028639	0.049774036	0.564372748	0.08819355	0.929722843	0.999371363	Not Sig
ENSG00000205403	CFI	complement factor I	3426	1943.060551	0.049921342	0.641433245	0.077827806	0.937965028	0.999371363	Not Sig
ENSG00000272655	NA	NA	NA	112.7446099	0.050012762	0.556431774	0.089881212	0.928381612	0.999371363	Not Sig
ENSG00000153827	TRIP12	thyroid hormone receptor interactor 12	9320	7088.125675	0.050147076	0.434996761	0.115281492	0.908222008	0.999371363	Not Sig
ENSG00000181192	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	55526	1203.806629	0.050167777	0.555625687	0.090290601	0.928056289	0.999371363	Not Sig
ENSG00000197013	ZNF429	zinc finger protein 429	353088	270.0228485	0.050194575	0.478181088	0.104969805	0.916399769	0.999371363	Not Sig
ENSG00000167962	ZNF598	zinc finger protein 598	90850	860.2433979	0.050218432	0.52942732	0.094854251	0.924430595	0.999371363	Not Sig
ENSG00000119231	SENP5	SUMO1/sentrin specific peptidase 5	205564	1396.433492	0.050249352	0.401565439	0.125133658	0.900417737	0.999371363	Not Sig
ENSG00000240466	NA	NA	NA	2.699366782	0.05030949	1.743091854	0.028862214	0.976974482	NA	NA
ENSG00000067798	NAV3	neuron navigator 3	89795	294.4403837	0.050310305	0.621014375	0.081013108	0.935431528	0.999371363	Not Sig
ENSG00000228335	NA	NA	NA	7.758775619	0.050353891	0.925960015	0.0543802	0.956632253	0.999371363	Not Sig
ENSG00000148288	GBGT1	glucosyl alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group)	26301	181.5472365	0.050690924	0.60881096	0.083262173	0.933643077	0.999371363	Not Sig
ENSG00000181852	RNF41	ring finger protein 41	10193	712.390698	0.050773155	0.460887462	0.110163889	0.9122794	0.999371363	Not Sig
ENSG00000171121	KCNMB3	potassium calcium-activated channel subfamily M regulatory beta subunit 3	27094	92.62187151	0.05080854	0.672115373	0.075594968	0.93974134	0.999371363	Not Sig
ENSG00000114302	PRKAR2A	protein kinase cAMP-dependent type II regulatory subunit alpha	5576	1711.091287	0.050881396	0.389888792	0.130502329	0.896169011	0.999371363	Not Sig
ENSG00000049247	UTS2	urotensin 2	10911	69.78891733	0.050951815	0.625744653	0.08142589	0.93510326	0.999371363	Not Sig
ENSG00000147234	FRMPD3	FERM and PDZ domain containing 3	84443	153.4128262	0.051027713	1.080427217	0.0472292	0.962330556	0.999371363	Not Sig
ENSG00000137767	SQOR	sulfide quinone oxidoreductase	58472	669.2812437	0.05109483	0.462873282	0.110386215	0.912103085	0.999371363	Not Sig
ENSG00000115042	FAHD2A	fumarylacetoacetate hydrolase domain containing 2A	51011	401.8942183	0.051194293	0.479429082	0.106781785	0.914962098	0.999371363	Not Sig
ENSG00000088756	ARHGAP28	Rho GTPase activating protein 28	79822	286.6246209	0.051269328	0.606150222	0.084581884	0.932593802	0.999371363	Not Sig
ENSG00000204574	ABCF1	ATP binding cassette subfamily F member 1	23	2136.884339	0.051280921	0.506016202	0.101342448	0.919278621	0.999371363	Not Sig
ENSG00000197763	TXNRD3	thioredoxin reductase 3	114112	226.4355811	0.051300209	0.444759812	0.115343625	0.908172762	0.999371363	Not Sig
ENSG00000105640	RPL18A	ribosomal protein L18a	6142	4508.709028	0.051316056	0.46011998	0.111527555	0.911198016	0.999371363	Not Sig
ENSG00000106330	MOSPD3	motile sperm domain containing 3	64598	254.4925681	0.051376258	0.519237427	0.098945598	0.921181464	0.999371363	Not Sig
ENSG00000223756	TSSC2	tumor suppressing subtransferable candidate 2 pseudogene	650368	75.90475912	0.051393499	0.58135962	0.088402252	0.929556972	0.999371363	Not Sig

ENSG00000265401	NA	NA	NA	15.51270212	0.05150033	0.74454777	0.069169948	0.944854344	0.999371363	Not Sig
ENSG00000080189	SLC35C2	solute carrier family 35 member C2	51006	878.8256199	0.051576317	0.502412915	0.102657229	0.918235021	0.999371363	Not Sig
ENSG00000128463	EMC4	ER membrane protein complex subunit 4	51234	768.3568212	0.05157773	0.40925895	0.126026076	0.899711284	0.999371363	Not Sig
ENSG00000140022	STON2	stonin 2	85439	804.7897927	0.051673454	0.465881277	0.110915498	0.911683356	0.999371363	Not Sig
ENSG00000167113	COQ4	coenzyme Q4	51117	664.3063028	0.05172082	0.445636535	0.116060546	0.907604557	0.999371363	Not Sig
ENSG00000090316	MAEA	macrophage erythroblast attacher	10296	1290.477745	0.051747138	0.503188237	0.102838529	0.918091126	0.999371363	Not Sig
ENSG00000198799	LRIG2	leucine rich repeats and immunoglobulin like domains 2	9860	1130.192106	0.051880042	0.581951329	0.08914842	0.928963957	0.999371363	Not Sig
ENSG00000243155	NA	NA	NA	23.19446042	0.052035544	0.772608863	0.067350437	0.946302725	0.999371363	Not Sig
ENSG00000188732	FAM221A	family with sequence similarity 221 member A	340277	271.166385	0.052092389	0.729347015	0.071423324	0.943060847	0.999371363	Not Sig
ENSG00000100284	TOM1	target of mybl membrane trafficking protein	10043	1829.285821	0.052397113	0.51875404	0.101005697	0.919545938	0.999371363	Not Sig
ENSG00000049239	H6PD	hexose-6-phosphate dehydrogenase/glucose 1-dehydrogenase	9563	4640.344518	0.052546756	0.565340488	0.092947095	0.925945591	0.999371363	Not Sig
ENSG00000070476	ZXDC	ZXD family zinc finger C	79364	1236.280506	0.052590859	0.443747001	0.118515413	0.905659283	0.999371363	Not Sig
ENSG00000100227	POLDIP3	DNA polymerase delta interacting protein 3	84271	1865.044545	0.052676745	0.585281874	0.090002352	0.928285346	0.999371363	Not Sig
ENSG00000178913	TAF7	TATA-box binding protein associated factor 7	6879	1221.821829	0.052801452	0.507703258	0.104000616	0.917168859	0.999371363	Not Sig
ENSG00000114767	RRP9	ribosomal RNA processing 9, U3 small nucleolar RNA binding protein	9136	229.7383445	0.052922931	0.585779969	0.090346091	0.928012194	0.999371363	Not Sig
ENSG00000158158	CNNM4	cyclin and CBS domain divalent metal cation transport mediator 4	26504	768.5326984	0.052996557	0.462936146	0.114479195	0.908857938	0.999371363	Not Sig
ENSG00000149679	CABLES2	Cdk5 and Abl enzyme substrate 2	81928	200.3620271	0.053000098	0.523173286	0.101305055	0.919308304	0.999371363	Not Sig
ENSG00000162402	USP24	ubiquitin specific peptidase 24	23358	3699.244873	0.053005768	0.54237856	0.097728361	0.922147994	0.999371363	Not Sig
ENSG00000024048	UBR2	ubiquitin protein ligase E3 component n-recogin 2	23304	2611.42979	0.053018019	0.41653461	0.127283586	0.898715951	0.999371363	Not Sig
ENSG00000122705	CLTA	clathrin light chain A	1211	1624.163146	0.053033707	0.511461023	0.103690612	0.917414877	0.999371363	Not Sig
ENSG00000105576	TNPO2	transportin 2	30000	1285.753742	0.053166466	0.552578781	0.096215179	0.923349676	0.999371363	Not Sig
ENSG00000103657	HERC1	HECT and RLD domain containing E3 ubiquitin protein ligase family member 1	8925	5072.176976	0.053200781	0.441118645	0.120604244	0.904004507	0.999371363	Not Sig
ENSG00000264625	NA	NA	NA	4.455453745	0.053343673	1.250189456	0.042668471	0.965965813	NA	NA
ENSG00000179195	ZNF664	zinc finger protein 664	144348	3109.828832	0.053404585	0.484384911	0.110252372	0.912209228	0.999371363	Not Sig
ENSG00000272368	NA	NA	NA	21.31466405	0.053463922	0.686276146	0.077904386	0.937904111	0.999371363	Not Sig
ENSG00000120519	SLC10A7	solute carrier family 10 member 7	84068	411.372114	0.05348979	0.671220886	0.079690295	0.936483578	0.999371363	Not Sig
ENSG00000201457	SNORA55	small nucleolar RNA, H/ACA box 55	677834	22.55903147	0.053578529	0.763226105	0.070200074	0.944034415	0.999371363	Not Sig
ENSG00000203684	IBA57-AS1	IBA57 antisense RNA 1 (head to head)	574432	5.855493903	0.053637476	1.353682626	0.039623376	0.96839339	NA	NA
ENSG00000180549	FUT7	fucosyltransferase 7	2529	27.24011652	0.05364479	0.947352511	0.056626007	0.954843117	0.999371363	Not Sig
ENSG00000181690	PLAG1	PLAG1 zinc finger	5324	226.2245484	0.053660728	0.875294017	0.061305946	0.951115555	0.999371363	Not Sig
ENSG00000232848	NA	NA	NA	1.170287366	0.053667294	2.463445271	0.021785462	0.982619091	NA	NA
ENSG00000260729	NA	NA	NA	24.83355181	0.053748802	0.877770045	0.061233352	0.951173368	0.999371363	Not Sig
ENSG00000168795	ZBTB5	zinc finger and BTB domain containing 5	9925	519.28009	0.053778883	0.509089686	0.105637346	0.915870093	0.999371363	Not Sig
ENSG00000265451	NA	NA	NA	3.169866151	0.053838065	1.392632577	0.038659203	0.9691621	NA	NA
ENSG00000102753	KPNA3	karyopherin subunit alpha 3	3839	903.6824013	0.053965875	0.49383643	0.109278845	0.912981325	0.999371363	Not Sig

ENSG00000130943	PKDREJ	polycystin family receptor for egg jelly	10343	2.374057667	0.054028379	1.521371707	0.035512938	0.97167073	NA	NA
ENSG00000267458	NA	NA	NA	1.792846902	0.054121182	1.729517916	0.03129264	0.97503616	NA	NA
ENSG00000125245	GPR18	G protein-coupled receptor 18	2841	15.93960391	0.054360154	1.136285668	0.047840218	0.961843584	0.999371363	Not Sig
ENSG00000137411	VARS2	valyl-tRNA synthetase 2, mitochondrial	57176	930.3575063	0.054362008	0.563618907	0.09645171	0.923161825	0.999371363	Not Sig
ENSG00000224067	NA	NA	NA	12.3688464	0.054553767	0.799715697	0.068216451	0.945613331	0.999371363	Not Sig
ENSG00000164305	CASP3	caspase 3	836	663.7168599	0.054663892	0.539423692	0.101337581	0.919282484	0.999371363	Not Sig
ENSG00000258875	NA	NA	NA	16.74334681	0.054702451	0.728333955	0.075106275	0.940130155	0.999371363	Not Sig
ENSG00000271941	NA	NA	NA	3.988418962	0.054843439	1.8262781	0.030030168	0.976042993	NA	NA
ENSG00000233369	GTF2IP4	general transcription factor III pseudogene 4	100093631	151.83207	0.055097287	0.461144138	0.119479534	0.904895453	0.999371363	Not Sig
ENSG00000169118	CSNK1G1	casein kinase 1 gamma 1	53944	746.3138893	0.055202009	0.400465346	0.137844658	0.890363189	0.999371363	Not Sig
ENSG00000143653	SCCPDH	saccharopine dehydrogenase (putative)	51097	967.0491104	0.055292843	0.519278769	0.106480077	0.915201462	0.999371363	Not Sig
ENSG00000136932	TRMO	tRNA methyltransferase 0	51531	270.3093436	0.055428927	0.407981537	0.13586136	0.891930882	0.999371363	Not Sig
ENSG00000153140	CETN3	centrin 3	1070	231.7944736	0.055652023	0.493535834	0.112761868	0.91021935	0.999371363	Not Sig
ENSG00000011275	RNF216	ring finger protein 216	54476	1869.829707	0.055890198	0.445908794	0.125339977	0.900254404	0.999371363	Not Sig
ENSG00000115282	TTC31	tetratricopeptide repeat domain 31	64427	524.5561326	0.055962262	0.481721958	0.116171292	0.907516789	0.999371363	Not Sig
ENSG00000166471	TMEM41B	transmembrane protein 41B	440026	1450.107156	0.05610209	0.687133214	0.0816466	0.934927744	0.999371363	Not Sig
ENSG00000222255	NA	NA	NA	2.730120765	0.05614494	2.020284545	0.02779061	0.977829155	NA	NA
ENSG00000010292	NCAPD2	non-SMC condensin I complex subunit D2	9918	1385.201457	0.056250708	0.552308667	0.101846506	0.918878511	0.999371363	Not Sig
ENSG00000255203	OR7E2P	olfactory receptor family 7 subfamily E member 2 pseudogene	8587	1.983687001	0.056343374	1.884277835	0.02990184	0.976145339	NA	NA
ENSG00000174840	PDE12	phosphodiesterase 12	201626	827.7457973	0.056477604	0.429728766	0.131426166	0.895438191	0.999371363	Not Sig
ENSG00000269425	NA	NA	NA	1.287176007	0.056539019	2.392280625	0.023633941	0.981144599	NA	NA
ENSG00000154447	SH3RF1	SH3 domain containing ring finger 1	57630	1479.593893	0.056816785	0.438721626	0.129505322	0.896957814	0.999371363	Not Sig
ENSG00000144674	GOLGA4	golgin A4	2803	6811.325352	0.056835645	0.58080983	0.097855859	0.922046751	0.999371363	Not Sig
ENSG00000197429	IPP	intracisternal A particle-promoted polypeptide	3652	403.0113881	0.05688891	0.502433405	0.113226768	0.909850775	0.999371363	Not Sig
ENSG00000107929	LARP4B	La ribonucleoprotein domain family member 4B	23185	3474.809907	0.05692395	0.4179238	0.136206528	0.891658015	0.999371363	Not Sig
ENSG00000183475	ASB7	ankyrin repeat and SOCS box containing 7	140460	457.4059406	0.056962339	0.392514056	0.145121782	0.88461472	0.999371363	Not Sig
ENSG00000176087	SLC35A4	solute carrier family 35 member A4	113829	1155.219049	0.056965198	0.610634366	0.093288556	0.925674324	0.999371363	Not Sig
ENSG00000143919	CAMKMT	calmodulin-lysine N-methyltransferase	79823	184.8248437	0.056992311	0.563032012	0.101223927	0.919372703	0.999371363	Not Sig
ENSG00000000971	CFH	complement factor H	3075	4134.401098	0.057060953	0.630928342	0.090439673	0.927937832	0.999371363	Not Sig
ENSG00000104154	SLC30A4	solute carrier family 30 member 4	7782	200.5626032	0.057137928	0.525951194	0.10863732	0.913490159	0.999371363	Not Sig
ENSG00000164946	FREMI	FRAS1 related extracellular matrix 1	158326	230.8347683	0.057182054	0.919745564	0.0621716	0.950426178	0.999371363	Not Sig
ENSG00000135241	PNPLA8	patatin like phospholipase domain containing 8	50640	783.9611769	0.057182388	0.468222481	0.122126532	0.90279881	0.999371363	Not Sig
ENSG00000205275	NA	NA	NA	3.041386798	0.057288774	1.447301104	0.039583176	0.96842544	NA	NA
ENSG00000163214	DHX57	DExH-box helicase 57	90957	649.4868429	0.057301169	0.423544012	0.135289764	0.892382778	0.999371363	Not Sig
ENSG00000231767	NA	NA	NA	7.967616495	0.057554151	1.052260233	0.054695739	0.956380864	0.999371363	Not Sig

ENSG00000172239	PAIP1	poly(A) binding protein interacting protein 1	10605	1366.816562	0.057570394	0.411960708	0.139747294	0.888859657	0.999371363	Not Sig
ENSG00000112584	FAM120B	family with sequence similarity 120B	84498	1430.006439	0.057661146	0.396072684	0.145582234	0.884251194	0.999371363	Not Sig
ENSG00000072736	NFATC3	nuclear factor of activated T-cells 3	4775	1679.807013	0.05785431	0.529155522	0.109333283	0.912938149	0.999371363	Not Sig
ENSG00000114859	CLCN2	chloride voltage-gated channel 2	1181	148.6982704	0.058045253	0.487439832	0.119081883	0.905210484	0.999371363	Not Sig
ENSG00000141433	ADCYAP1	adenylate cyclase activating polypeptide 1	116	36.4180514	0.058239179	1.15399055	0.05046764	0.959749736	0.999371363	Not Sig
ENSG00000051108	HERPUD1	homocysteine inducible ER protein with ubiquitin like domain 1	9709	3185.469184	0.058258014	0.630785719	0.092357851	0.926413726	0.999371363	Not Sig
ENSG00000267692	NA	NA	NA	5.954471049	0.05842076	1.12028355	0.052148191	0.958410615	NA	NA
ENSG00000161204	ABCF3	ATP binding cassette subfamily F member 3	55324	953.7948788	0.058468117	0.496230153	0.117824595	0.906206641	0.999371363	Not Sig
ENSG00000128607	KLHDC10	kelch domain containing 10	23008	1463.389765	0.058641436	0.419188435	0.139892781	0.888744705	0.999371363	Not Sig
ENSG00000116903	EXOC8	exocyst complex component 8	149371	910.2889043	0.058651766	0.442038179	0.132684842	0.894442631	0.999371363	Not Sig
ENSG00000238806	NA	NA	NA	10.53613464	0.058786799	0.969181425	0.060656135	0.951633067	0.999371363	Not Sig
ENSG00000148204	CRB2	crumbs 2, cell polarity complex component	286204	15.1227179	0.058873946	1.098345032	0.053602415	0.957251932	0.999371363	Not Sig
ENSG00000163389	POGLUT1	protein O-glucosyltransferase 1	56983	322.9805206	0.058984697	0.522206	0.112952928	0.910067875	0.999371363	Not Sig
ENSG00000211649	NA	NA	NA	122.2250754	0.059015974	0.796312731	0.074111554	0.940921622	0.999371363	Not Sig
ENSG00000185798	WDR53	WD repeat domain 53	348793	119.9813455	0.059330583	0.513751694	0.115484938	0.908060758	0.999371363	Not Sig
ENSG00000136840	ST6GALNAC4	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	27090	518.9428281	0.059390793	0.753206725	0.078850588	0.937151466	0.999371363	Not Sig
ENSG00000196796	NA	NA	NA	1.354689929	0.059405512	2.416660493	0.024581654	0.980388653	NA	NA
ENSG00000183172	SMDT1	single-pass membrane protein with aspartate rich tail 1	91689	526.7753698	0.059510413	0.563755975	0.105560589	0.915930995	0.999371363	Not Sig
ENSG00000198728	LDB1	LIM domain binding 1	8861	1588.123476	0.059517826	0.459635746	0.129489116	0.896970637	0.999371363	Not Sig
ENSG00000133193	FAM104A	family with sequence similarity 104 member A	84923	726.3194058	0.059586641	0.465144834	0.128103413	0.898067135	0.999371363	Not Sig
ENSG00000148343	MIGA2	mitoguardin 2	84895	493.8648812	0.059687771	0.605850159	0.098519032	0.92152016	0.999371363	Not Sig
ENSG00000187801	ZFP69B	ZFP69 zinc finger protein B	65243	57.43594744	0.05973884	0.765449829	0.078044096	0.937792976	0.999371363	Not Sig
ENSG00000141441	GAREM1	GRB2 associated regulator of MAPK1 subtype 1	64762	900.8386547	0.059834271	0.654665399	0.091396721	0.927177367	0.999371363	Not Sig
ENSG00000183655	KLHL25	kelch like family member 25	64410	232.8746709	0.059859826	0.575631326	0.103989868	0.917177389	0.999371363	Not Sig
ENSG00000149806	FAU	FAU, ubiquitin like and ribosomal protein S30 fusion	2197	2838.956426	0.060003282	0.590109505	0.101681606	0.919009403	0.999371363	Not Sig
ENSG00000145604	SKP2	S-phase kinase associated protein 2	6502	342.3332637	0.060016696	0.612810301	0.097936827	0.921982457	0.999371363	Not Sig
ENSG00000184058	TBX1	T-box 1	6899	155.1341798	0.060022203	0.779391431	0.077011628	0.938614294	0.999371363	Not Sig
ENSG00000139209	SLC38A4	solute carrier family 38 member 4	55089	42.16013547	0.060078065	1.02398512	0.058670838	0.953214287	0.999371363	Not Sig
ENSG00000062194	GPBP1	GC-rich promoter binding protein 1	65056	2284.00063	0.060102336	0.444092651	0.135337381	0.892345131	0.999371363	Not Sig
ENSG00000236796	NA	NA	NA	3.934151356	0.060168002	1.261595357	0.047691997	0.961961712	NA	NA
ENSG00000248015	NA	NA	NA	13.98354636	0.060173463	0.84665835	0.071071717	0.943340678	0.999371363	Not Sig
ENSG00000130741	EIF2S3	eukaryotic translation initiation factor 2 subunit gamma	1968	3514.327292	0.060240578	0.619843825	0.097186703	0.922578128	0.999371363	Not Sig
ENSG00000133935	ERG28	ergosterol biosynthesis 28 homolog	11161	550.3933339	0.060532683	0.423093086	0.143071786	0.886233487	0.999371363	Not Sig
ENSG00000145191	EIF2B5	eukaryotic translation initiation factor 2B subunit epsilon	8893	1019.563127	0.060547025	0.444976806	0.136067822	0.891767665	0.999371363	Not Sig
ENSG00000167699	GLOD4	glyoxalase domain containing 4	51031	813.9931231	0.06057782	0.405603705	0.149352235	0.8812757	0.999371363	Not Sig

ENSG00000163145	C1QTNF7	C1q and TNF related 7	114905	288.5608932	0.060584738	1.011707999	0.059883621	0.952248325	0.999371363	Not Sig
ENSG00000176896	TCEANC	transcription elongation factor A N-terminal and central domain containing	170082	111.3145265	0.060946102	0.637101618	0.095661509	0.923789412	0.999371363	Not Sig
ENSG00000218175	NA	NA	NA	23.95729013	0.060949835	0.648502928	0.093985442	0.925120721	0.999371363	Not Sig
ENSG00000168286	THAP11	THAP domain containing 11	57215	549.7983095	0.061027956	0.642300364	0.095014668	0.924303176	0.999371363	Not Sig
ENSG00000175193	PARL	presenilin associated rhomboid like	55486	473.5720479	0.061034086	0.434325392	0.140526175	0.888244273	0.999371363	Not Sig
ENSG00000108651	UTP6	UTP6, small subunit processome component	55813	776.1182274	0.061354532	0.420909352	0.145766616	0.884105631	0.999371363	Not Sig
ENSG00000132801	ZSWIM3	zinc finger SWIM-type containing 3	140831	99.30163321	0.06137607	0.622620571	0.098577003	0.92147413	0.999371363	Not Sig
ENSG00000253767	PCDHGA8	protocadherin gamma subfamily A, 8	9708	63.72278132	0.061442783	0.542219315	0.113317216	0.909779069	0.999371363	Not Sig
ENSG00000244968	LIFR-AS1	LIFR antisense RNA 1	100506495	56.34121364	0.061506297	0.754951928	0.081470482	0.935067799	0.999371363	Not Sig
ENSG00000182117	NOP10	NOP10 ribonucleoprotein	55505	471.3687151	0.06155357	0.398514701	0.154457464	0.877249048	0.999371363	Not Sig
ENSG00000026751	SLAMF7	SLAM family member 7	57823	763.4427504	0.061796845	0.937995061	0.065881845	0.947471895	0.999371363	Not Sig
ENSG00000204438	GPANK1	G-patch domain and ankyrin repeats 1	7918	381.8988732	0.061801904	0.586172894	0.105432892	0.916032317	0.999371363	Not Sig
ENSG00000178605	GTPBP6	GTP binding protein 6 (putative)	8225	694.7350065	0.061814302	0.548694156	0.112657117	0.9103024	0.999371363	Not Sig
ENSG00000067225	PKM	pyruvate kinase M1/2	5315	14398.64833	0.061965393	0.380003945	0.16306513	0.870467154	0.999371363	Not Sig
ENSG00000119720	NRDE2	NRDE-2, necessary for RNA interference, domain containing	55051	806.156739	0.061978913	0.455915935	0.13594373	0.891865765	0.999371363	Not Sig
ENSG00000143450	OAZ3	ornithine decarboxylase antizyme 3	51686	53.02710448	0.062079382	0.645758967	0.096133984	0.923414161	0.999371363	Not Sig
ENSG00000175110	MRPS22	mitochondrial ribosomal protein S22	56945	334.5464729	0.062167964	0.452520213	0.13738163	0.890729151	0.999371363	Not Sig
ENSG00000162840	NA	NA	NA	0.628997072	0.062248313	3.492753407	0.017822132	0.985780749	NA	NA
ENSG00000223733	NA	NA	NA	0.628997072	0.062248313	3.492753407	0.017822132	0.985780749	NA	NA
ENSG00000256661	NA	NA	NA	0.628997072	0.062248313	3.492753407	0.017822132	0.985780749	NA	NA
ENSG00000261557	NA	NA	NA	0.628997072	0.062248313	3.492753407	0.017822132	0.985780749	NA	NA
ENSG00000147649	MTDH	metadherin	92140	3962.991431	0.06224896	0.417494319	0.149101334	0.881473673	0.999371363	Not Sig
ENSG00000229512	NA	NA	NA	106.4297022	0.062302733	0.605850147	0.10283522	0.918093752	0.999371363	Not Sig
ENSG00000179364	PACS2	phosphofurin acidic cluster sorting protein 2	23241	2094.20061	0.062469832	0.57761978	0.108150437	0.91387636	0.999371363	Not Sig
ENSG00000211770	NA	NA	NA	2.612684073	0.0626906	1.730140372	0.036234401	0.971095456	NA	NA
ENSG00000167723	TRPV3	transient receptor potential cation channel subfamily V member 3	162514	30.9123249	0.062865449	0.865730273	0.072615514	0.942112081	0.999371363	Not Sig
ENSG00000169371	SNUPN	snurportin 1	10073	233.4996926	0.062958721	0.450273859	0.139823177	0.888799701	0.999371363	Not Sig
ENSG00000216895	LOC100506302	uncharacterized LOC100506302	100506302	75.10094504	0.063203862	0.591884003	0.106784204	0.914960179	0.999371363	Not Sig
ENSG00000100711	ZFYVE21	zinc finger FYVE-type containing 21	79038	806.3064286	0.063208087	0.527417284	0.119844551	0.90460629	0.999371363	Not Sig
ENSG00000105894	PTN	pleiotrophin	5764	237.9149692	0.063366342	0.995203838	0.063671722	0.949231621	0.999371363	Not Sig
ENSG00000226471	NA	NA	NA	125.4196302	0.063369603	0.488577888	0.129702151	0.896802081	0.999371363	Not Sig
ENSG00000200397	NA	NA	NA	27.101024	0.063430478	0.641788765	0.098833886	0.921270163	0.999371363	Not Sig
ENSG00000170088	TMEM192	transmembrane protein 192	201931	565.7712663	0.063465443	0.516773309	0.122810993	0.902256769	0.999371363	Not Sig
ENSG00000088836	SLC4A11	solute carrier family 4 member 11	83959	83.89786014	0.063471882	0.61188556	0.103731623	0.917382331	0.999371363	Not Sig
ENSG00000166037	CEP57	centrosomal protein 57	9702	880.028165	0.063487288	0.572210298	0.11095097	0.911655227	0.999371363	Not Sig

ENSG00000103707	MTFMT	mitochondrial methionyl-tRNA formyltransferase	123263	247.7299563	0.063489582	0.443850276	0.14304279	0.886256387	0.999371363	Not Sig
ENSG00000197816	CCDC180	coiled-coil domain containing 180	100499483	66.49221197	0.063621416	0.719017103	0.08848387	0.929492104	0.999371363	Not Sig
ENSG00000221102	SNORA11B	small nucleolar RNA, H/ACA box 11B	100124539	11.26906248	0.063682857	0.817171549	0.077930829	0.937883076	0.999371363	Not Sig
ENSG00000180139	ACTA2-AS1	ACTA2 antisense RNA 1	100132116	22.75032054	0.064005995	0.723988814	0.088407437	0.929552851	0.999371363	Not Sig
ENSG00000169490	TM2D2	TM2 domain containing 2	83877	500.4295028	0.064147897	0.589186275	0.10887541	0.913301311	0.999371363	Not Sig
ENSG00000111641	NOP2	NOP2 nucleolar protein	4839	534.236062	0.064242835	0.483317825	0.132920475	0.894256274	0.999371363	Not Sig
ENSG00000145916	RMND5B	required for meiotic nuclear division 5 homolog B	64777	857.801872	0.064274113	0.581856437	0.110463869	0.912041503	0.999371363	Not Sig
ENSG00000069345	DNAJA2	DnaJ heat shock protein family (Hsp40) member A2	10294	1281.338829	0.0643609	0.446208602	0.144239488	0.88531136	0.999371363	Not Sig
ENSG00000265407	MIR4324	microRNA 4324	100422979	4.161624146	0.064453673	1.288626053	0.05001736	0.960108555	NA	NA
ENSG00000151790	TDO2	tryptophan 2,3-dioxygenase	6999	87.63437744	0.064484491	0.943819558	0.068322902	0.945528593	0.999371363	Not Sig
ENSG00000107282	APBA1	amyloid beta precursor protein binding family A member 1	320	273.5712073	0.064493381	0.497429355	0.129653348	0.896840694	0.999371363	Not Sig
ENSG00000071967	CYBRD1	cytochrome b reductase 1	79901	4081.559217	0.064575778	0.575689777	0.112171138	0.910687713	0.999371363	Not Sig
ENSG00000064652	SNX24	sorting nexin 24	28966	385.0545127	0.064643843	0.564160387	0.114584158	0.908774737	0.999371363	Not Sig
ENSG00000236337	NA	NA	NA	12.5000166	0.064647689	1.119335859	0.057755399	0.953943465	0.999371363	Not Sig
ENSG00000176714	CCDC121	coiled-coil domain containing 121	79635	105.0520972	0.064776506	0.480822272	0.134720269	0.892833047	0.999371363	Not Sig
ENSG00000089693	MLF2	myeloid leukemia factor 2	8079	1952.902077	0.065047153	0.453754566	0.143353164	0.88601127	0.999371363	Not Sig
ENSG00000064995	TAF11	TATA-box binding protein associated factor 11	6882	349.2561886	0.065263026	0.424672808	0.153678372	0.877863339	0.999371363	Not Sig
ENSG00000143614	GATAD2B	GATA zinc finger domain containing 2B	57459	2175.22401	0.065414224	0.414748161	0.157720348	0.874677166	0.999371363	Not Sig
ENSG00000168591	TMUB2	transmembrane and ubiquitin like domain containing 2	79089	692.6745701	0.065501881	0.415258805	0.157737488	0.874663659	0.999371363	Not Sig
ENSG00000203930	LINC00632	long intergenic non-protein coding RNA 632	286411	13.98050756	0.065582813	0.868995612	0.075469671	0.939841028	0.999371363	Not Sig
ENSG00000107789	MINPP1	multiple inositol-polyphosphate phosphatase 1	9562	370.3204651	0.065827762	0.467969206	0.140666866	0.888133122	0.999371363	Not Sig
ENSG00000113269	RNF130	ring finger protein 130	55819	1666.607293	0.065840613	0.444430393	0.148146063	0.882227497	0.999371363	Not Sig
ENSG00000135248	FAM71F1	family with sequence similarity 71 member F1	84691	0.980471337	0.06587316	2.611351714	0.025225694	0.979874943	NA	NA
ENSG00000273389	NA	NA	NA	0.980471337	0.06587316	2.611351714	0.025225694	0.979874943	NA	NA
ENSG00000154556	SORBS2	sorbin and SH3 domain containing 2	8470	1480.714069	0.06587703	0.640061525	0.102922966	0.91802411	0.999371363	Not Sig
ENSG00000101343	CRNKL1	crooked neck pre-mRNA splicing factor 1	51340	783.9695368	0.065911247	0.419480203	0.157126002	0.875145545	0.999371363	Not Sig
ENSG00000114541	FRMD4B	FERM domain containing 4B	23150	1712.116413	0.066030451	0.456245263	0.144725778	0.884927386	0.999371363	Not Sig
ENSG00000170144	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	220988	5857.222886	0.066047407	0.464340903	0.142239045	0.886891192	0.999371363	Not Sig
ENSG00000112031	MTRF1L	mitochondrial translational release factor 1 like	54516	346.9644316	0.066199392	0.427246215	0.154944361	0.876865181	0.999371363	Not Sig
ENSG00000236806	NA	NA	NA	4.90803044	0.066199613	1.249008413	0.053001735	0.957730525	NA	NA
ENSG00000152022	NA	NA	NA	906.8544723	0.066256071	0.515784325	0.12845693	0.897787381	0.999371363	Not Sig
ENSG00000271937	NA	NA	NA	2.267907634	0.066400216	1.98903721	0.033383094	0.973369091	NA	NA
ENSG00000131711	MAP1B	microtubule associated protein 1B	4131	1341.712246	0.06659229	0.575276488	0.115757016	0.907845118	0.999371363	Not Sig
ENSG00000162616	DNAJB4	DnaJ heat shock protein family (Hsp40) member B4	11080	512.5734364	0.066741734	0.4745798	0.140633321	0.888159623	0.999371363	Not Sig
ENSG00000213828	NA	NA	NA	15.33742795	0.066797224	0.726817867	0.091903663	0.926774581	0.999371363	Not Sig

ENSG00000154529	CNTNAP3B	contactin associated protein like 3B	728577	72.45168483	0.066816711	0.809414625	0.082549424	0.934209818	0.999371363	Not Sig
ENSG00000255644	NA	NA	NA	31.50533169	0.06686737	1.268953993	0.052694873	0.957975024	0.999371363	Not Sig
ENSG00000269925	NA	NA	NA	21.32068753	0.067021335	0.699157582	0.095860128	0.923631662	0.999371363	Not Sig
ENSG00000125434	SLC25A35	solute carrier family 25 member 35	399512	177.3070695	0.067083918	0.433549747	0.154731766	0.877032786	0.999371363	Not Sig
ENSG00000132275	RRP8	ribosomal RNA processing 8	23378	526.735317	0.067259661	0.42139837	0.159610633	0.873187802	0.999371363	Not Sig
ENSG00000114062	UBE3A	ubiquitin protein ligase E3A	7337	2735.756646	0.067266528	0.438428316	0.153426514	0.878061937	0.999371363	Not Sig
ENSG00000179029	TMEM107	transmembrane protein 107	84314	214.8856671	0.067382221	0.556563148	0.12106842	0.903636842	0.999371363	Not Sig
ENSG00000164008	Clorf50	chromosome 1 open reading frame 50	79078	159.0283076	0.067446245	0.460610399	0.146427968	0.88358355	0.999371363	Not Sig
ENSG00000128731	HERC2	HECT and RLD domain containing E3 ubiquitin protein ligase 2	8924	4213.416512	0.067449488	0.426138175	0.158280793	0.874235542	0.999371363	Not Sig
ENSG00000131323	TRAF3	TNF receptor associated factor 3	7187	1161.530871	0.067481174	0.463758165	0.145509403	0.884308692	0.999371363	Not Sig
ENSG00000156515	HK1	hexokinase 1	3098	2661.81378	0.067519573	0.460835827	0.14651546	0.883514486	0.999371363	Not Sig
ENSG00000167470	MIDN	midnolin	90007	4044.661175	0.067613191	0.50076454	0.135019925	0.892596121	0.999371363	Not Sig
ENSG00000070047	PHRF1	PHD and ring finger domains 1	57661	2397.188739	0.0676918	0.536146594	0.126256141	0.899529173	0.999371363	Not Sig
ENSG00000196793	ZNF239	zinc finger protein 239	8187	95.14130464	0.067754083	0.605635854	0.111872641	0.910924389	0.999371363	Not Sig
ENSG00000072518	MARK2	microtubule affinity regulating kinase 2	2011	2352.071485	0.068101839	0.475387618	0.143255391	0.886088485	0.999371363	Not Sig
ENSG00000125107	CNOT1	CCR4-NOT transcription complex subunit 1	23019	6206.985256	0.068356195	0.441371581	0.154872215	0.876922058	0.999371363	Not Sig
ENSG00000096063	SRPK1	SRSF protein kinase 1	6732	1663.969611	0.068504235	0.69762878	0.098195827	0.921776796	0.999371363	Not Sig
ENSG00000156011	PSD3	pleckstrin and Sec7 domain containing 3	23362	2220.792712	0.068535465	0.64199501	0.106753891	0.914984228	0.999371363	Not Sig
ENSG00000135972	MRPS9	mitochondrial ribosomal protein S9	64965	289.1917044	0.068541437	0.424956846	0.161290347	0.871864726	0.999371363	Not Sig
ENSG00000169696	ASPSCR1	ASPSCR1, UBX domain containing tether for SLC24A	79058	925.7065326	0.068779321	0.555212607	0.12387925	0.901410882	0.999371363	Not Sig
ENSG00000041357	PSMA4	proteasome subunit alpha 4	5685	1147.202339	0.068842907	0.440886155	0.156146675	0.875917408	0.999371363	Not Sig
ENSG00000120948	TARDBP	TAR DNA binding protein	23435	2741.875228	0.068856382	0.388287848	0.177333343	0.859246562	0.999371363	Not Sig
ENSG00000058804	NDC1	NDC1 transmembrane nucleoporin	55706	520.7569364	0.068973157	0.718820627	0.095953224	0.923557723	0.999371363	Not Sig
ENSG00000130544	ZNF557	zinc finger protein 557	79230	321.0144777	0.069082405	0.498299931	0.138636192	0.889737642	0.999371363	Not Sig
ENSG00000205423	CNEP1R1	CTD nuclear envelope phosphatase 1 regulatory subunit 1	255919	237.28176	0.069492782	0.575738327	0.120702025	0.903927055	0.999371363	Not Sig
ENSG00000260723	NA	NA	NA	12.73934579	0.069514412	0.873508851	0.079580661	0.936570776	0.999371363	Not Sig
ENSG00000161847	RAVER1	ribonucleoprotein, PTB binding 1	125950	651.3173032	0.069639598	0.551843787	0.126194405	0.89957804	0.999371363	Not Sig
ENSG00000182405	PGBD4	piggyBac transposable element derived 4	161779	72.82022238	0.069685516	0.518018058	0.134523334	0.892988761	0.999371363	Not Sig
ENSG00000267274	NA	NA	NA	20.22512267	0.069740108	0.72849248	0.09573209	0.923733354	0.999371363	Not Sig
ENSG00000138744	NAAA	N-acylethanolamine acid amidase	27163	445.3521662	0.069870558	0.615795087	0.113463974	0.909662723	0.999371363	Not Sig
ENSG00000155366	RHOC	ras homolog family member C	389	1237.29377	0.069898223	0.581766784	0.120148185	0.904365763	0.999371363	Not Sig
ENSG00000116039	ATP6V1B1	ATPase H+ transporting V1 subunit B1	525	87.46487821	0.070103938	0.702603669	0.099777359	0.920521083	0.999371363	Not Sig
ENSG00000147416	ATP6V1B2	ATPase H+ transporting V1 subunit B2	526	2385.293668	0.070177331	0.628722044	0.111619008	0.9111255	0.999371363	Not Sig
ENSG00000143622	RIT1	Ras like without CAAX 1	6016	1128.705176	0.070257862	0.492034716	0.142790458	0.886455673	0.999371363	Not Sig
ENSG00000164414	SLC35A1	solute carrier family 35 member A1	10559	170.853067	0.070293326	0.60823283	0.115569766	0.907993525	0.999371363	Not Sig

ENSG00000138101	DTNB	dystrobrevin beta	1838	590.5299563	0.07031556	0.594156566	0.11834517	0.905794168	0.999371363	Not Sig
ENSG00000128245	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta	7533	2178.06849	0.070333948	0.44294438	0.158787314	0.873836444	0.999371363	Not Sig
ENSG00000162231	NXF1	nuclear RNA export factor 1	10482	1662.452856	0.070354515	0.451466695	0.155835448	0.876162729	0.999371363	Not Sig
ENSG00000122557	HERPUD2	HERPUD family member 2	64224	1224.704146	0.070455683	0.482851393	0.145915874	0.8839878	0.999371363	Not Sig
ENSG00000165609	NUDT5	nudix hydrolase 5	11164	850.7572815	0.070609199	0.460553732	0.153313704	0.878150894	0.999371363	Not Sig
ENSG00000174243	DDX23	DEAD-box helicase 23	9416	2256.390248	0.070706747	0.427399408	0.165434827	0.868601744	0.999371363	Not Sig
ENSG00000113273	ARSB	arylsulfatase B	411	671.0601327	0.070713894	0.413774316	0.170899669	0.864302657	0.999371363	Not Sig
ENSG00000165084	C8orf34	chromosome 8 open reading frame 34	116328	188.5748866	0.070740527	0.920983857	0.076809736	0.938774906	0.999371363	Not Sig
ENSG00000143321	HDFG	heparin binding growth factor	3068	4249.131571	0.07079348	0.471183102	0.15024622	0.880570362	0.999371363	Not Sig
ENSG00000160226	C21orf2	chromosome 21 open reading frame 2	755	456.972117	0.070865287	0.53432494	0.132625827	0.894489306	0.999371363	Not Sig
ENSG00000102317	RBM3	RNA binding motif protein 3	5935	3289.475785	0.071098522	0.607187043	0.117094926	0.90678483	0.999371363	Not Sig
ENSG00000090061	CCNK	cyclin K	8812	1171.072642	0.07115061	0.410534662	0.173312065	0.86240614	0.999371363	Not Sig
ENSG00000206768	NA	NA	NA	7.747157718	0.071441847	1.254530748	0.056947067	0.954587361	0.999371363	Not Sig
ENSG00000260128	ULK4P2	ULK4 pseudogene 2	100288380	7.512832385	0.071577673	1.117794348	0.064034742	0.948942563	0.999371363	Not Sig
ENSG00000270742	NA	NA	NA	39.46696458	0.071928336	0.743167117	0.09678622	0.922896168	0.999371363	Not Sig
ENSG00000125703	ATG4C	autophagy related 4C cysteine peptidase	84938	276.6646077	0.072002559	0.610471997	0.11794572	0.906110667	0.999371363	Not Sig
ENSG00000125870	SNRPB2	small nuclear ribonucleoprotein polypeptide B2	6629	452.9293574	0.072118991	0.489966851	0.147191571	0.882980813	0.999371363	Not Sig
ENSG00000272037	NA	NA	NA	5.398551656	0.072350312	1.400718259	0.051652295	0.95880575	NA	NA
ENSG00000168615	ADAM9	ADAM metallopeptidase domain 9	8754	3673.236407	0.072378484	0.510259736	0.141846355	0.887201368	0.999371363	Not Sig
ENSG00000173597	SULT1B1	sulfotransferase family 1B member 1	27284	53.4399414	0.072606455	0.760232872	0.095505545	0.923913286	0.999371363	Not Sig
ENSG00000183077	AFMID	arylformamidase	125061	691.744053	0.072613618	0.625228029	0.116139416	0.907542051	0.999371363	Not Sig
ENSG00000150551	LYPD1	LY6/PLAUR domain containing 1	116372	35.38910345	0.072804464	1.023754167	0.071115182	0.943306085	0.999371363	Not Sig
ENSG00000130592	LSP1	lymphocyte-specific protein 1	4046	1678.321391	0.073013699	0.818399033	0.08921528	0.928910822	0.999371363	Not Sig
ENSG00000100401	RANGAP1	Ran GTPase activating protein 1	5905	1607.018134	0.073116592	0.570051101	0.128263224	0.897940667	0.999371363	Not Sig
ENSG00000110987	BCL7A	BCL tumor suppressor 7A	605	463.1888562	0.073143474	0.506231067	0.14448634	0.885116443	0.999371363	Not Sig
ENSG00000066322	ELOVL1	ELOVL fatty acid elongase 1	64834	1075.131072	0.073180537	0.463319287	0.157948394	0.874497464	0.999371363	Not Sig
ENSG00000229920	NA	NA	NA	3.265842875	0.073369152	1.401167031	0.052362888	0.958239545	NA	NA
ENSG00000018610	CXorf56	chromosome X open reading frame 56	63932	354.8712809	0.073426679	0.44963555	0.163302654	0.870280144	0.999371363	Not Sig
ENSG00000135392	DNAJC14	DnaJ heat shock protein family (Hsp40) member C14	85406	543.7833839	0.073434441	0.471262735	0.155824841	0.876171089	0.999371363	Not Sig
ENSG00000162882	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	23498	121.5230789	0.073552067	0.731826315	0.100504813	0.919943562	0.999371363	Not Sig
ENSG00000231449	NA	NA	NA	1.147543038	0.073778177	2.509096547	0.02940428	0.97654216	NA	NA
ENSG00000130023	ERMARD	ER membrane associated RNA degradation	55780	496.7120101	0.073814898	0.438673861	0.168268284	0.866372224	0.999371363	Not Sig
ENSG00000159063	ALG8	ALG8, alpha-1,3-glucosyltransferase	79053	516.865008	0.073869283	0.529618792	0.139476326	0.889073762	0.999371363	Not Sig
ENSG00000225921	NOL7	nucleolar protein 7	51406	698.76573	0.074235867	0.464984247	0.159652435	0.873154871	0.999371363	Not Sig
ENSG00000204194	NA	NA	NA	1.528199166	0.074583243	2.021826169	0.036889048	0.970573472	NA	NA

ENSG00000212329	NA	NA	NA	1.528199166	0.074583243	2.021826169	0.036889048	0.970573472	NA	NA
ENSG00000167842	MIS12	MIS12, kinetochore complex component	79003	370.730234	0.074699799	0.472500642	0.158094597	0.874382258	0.999371363	Not Sig
ENSG00000121039	RDH10	retinol dehydrogenase 10	157506	1305.324275	0.074887955	0.693490832	0.107986944	0.914006049	0.999371363	Not Sig
ENSG00000138587	MNS1	meiosis specific nuclear structural 1	55329	83.63730395	0.075026105	0.493592563	0.152000073	0.879186878	0.999371363	Not Sig
ENSG00000168614	NA	NA	NA	458.1996077	0.075110874	0.48968965	0.153384646	0.878094952	0.999371363	Not Sig
ENSG00000107796	ACTA2	actin, alpha 2, smooth muscle, aorta	59	4139.092302	0.075186564	0.569793709	0.131954009	0.895020669	0.999371363	Not Sig
ENSG00000085231	AK6	adenylate kinase 6	102157402	610.5426085	0.075661542	0.549318156	0.137737195	0.890448122	0.999371363	Not Sig
ENSG00000248350	NA	NA	NA	7.530445624	0.075743034	0.988528482	0.076622005	0.938924253	0.999371363	Not Sig
ENSG00000082074	FYB1	FYN binding protein 1	2533	1200.919912	0.07575027	0.736480887	0.10285436	0.918078561	0.999371363	Not Sig
ENSG00000129474	AJUBA	ajuba LIM protein	84962	928.6749572	0.07582183	0.528040912	0.143590826	0.885823586	0.999371363	Not Sig
ENSG00000171314	PGAM1	phosphoglycerate mutase 1	5223	1198.686557	0.075868946	0.432774308	0.17530834	0.860837359	0.999371363	Not Sig
ENSG00000171475	WIPF2	WAS/WASL interacting protein family member 2	147179	1784.643711	0.075995466	0.399914584	0.190029244	0.849286214	0.999371363	Not Sig
ENSG00000099995	SF3A1	splicing factor 3a subunit 1	10291	3126.474855	0.076001491	0.465585397	0.163238562	0.870330605	0.999371363	Not Sig
ENSG00000204392	LSM2	LSM2 homolog, U6 small nuclear RNA and mRNA degradation associated	57819	287.8835727	0.07606316	0.458431906	0.165920302	0.868219671	0.999371363	Not Sig
ENSG00000123131	PRDX4	peroxiredoxin 4	10549	1045.65432	0.076323786	0.587849081	0.129835682	0.896696432	0.999371363	Not Sig
ENSG00000132670	PTPRA	protein tyrosine phosphatase, receptor type A	5786	1806.86321	0.076375877	0.413107707	0.184881268	0.853322164	0.999371363	Not Sig
ENSG00000103550	KNOP1	lysine rich nucleolar protein 1	400506	562.9044975	0.076473105	0.424651659	0.180084319	0.857086373	0.999371363	Not Sig
ENSG00000224992	NA	NA	NA	7.615810987	0.076473829	1.024895973	0.074616187	0.940520095	0.999371363	Not Sig
ENSG00000185238	PRMT3	protein arginine methyltransferase 3	10196	462.3841394	0.076556589	0.623923183	0.122701947	0.902343122	0.999371363	Not Sig
ENSG00000198081	ZBTB14	zinc finger and BTB domain containing 14	7541	408.7145919	0.076574568	0.45761181	0.167335209	0.867106302	0.999371363	Not Sig
ENSG00000172590	MRPL52	mitochondrial ribosomal protein L52	122704	344.8362698	0.076826668	0.453511297	0.169404088	0.865478808	0.999371363	Not Sig
ENSG00000245205	NA	NA	NA	6.010947704	0.076832405	1.02863221	0.074693758	0.940458374	NA	NA
ENSG00000196872	KIAA1211L	KIAA1211 like	343990	532.1964006	0.076899592	1.012751081	0.075931385	0.939473687	0.999371363	Not Sig
ENSG00000133059	DSTYK	dual serine/threonine and tyrosine protein kinase	25778	941.6957316	0.076942756	0.431424517	0.178345812	0.858451403	0.999371363	Not Sig
ENSG00000228305	NA	NA	NA	1.996822362	0.0769776	2.070977055	0.037169702	0.970349696	NA	NA
ENSG00000183255	PTTG1IP	PTTG1 interacting protein	754	6746.015928	0.076982698	0.520308632	0.147955835	0.882377623	0.999371363	Not Sig
ENSG00000224097	LOC401127	WD repeat domain 5 pseudogene	401127	5.201588852	0.076999577	1.070446055	0.071932235	0.942655837	NA	NA
ENSG00000105136	ZNF419	zinc finger protein 419	79744	188.2028066	0.077169739	0.438023552	0.176177145	0.860154776	0.999371363	Not Sig
ENSG00000078269	SYNJ2	synaptojanin 2	8871	834.7268725	0.077300528	0.612373235	0.126231069	0.899549018	0.999371363	Not Sig
ENSG00000067596	DHX8	DEAH-box helicase 8	1659	1622.593292	0.077304531	0.416972599	0.185394751	0.852919425	0.999371363	Not Sig
ENSG00000146122	DAAM2	dishevelled associated activator of morphogenesis 2	23500	1183.869118	0.077316097	0.841584773	0.091869648	0.926801607	0.999371363	Not Sig
ENSG00000173875	ZNF791	zinc finger protein 791	163049	701.6152111	0.077316905	0.434134948	0.178094175	0.858649016	0.999371363	Not Sig
ENSG00000144451	SPAG16	sperm associated antigen 16	79582	338.3219498	0.077463742	0.519719075	0.149049258	0.881514765	0.999371363	Not Sig
ENSG00000197622	CDC42SE1	CDC42 small effector 1	56882	3468.84393	0.077524015	0.452002859	0.171512222	0.863821021	0.999371363	Not Sig
ENSG00000110583	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit	79829	595.1097621	0.077593652	0.431999097	0.179615312	0.857454583	0.999371363	Not Sig

ENSG00000169032	MAP2K1	mitogen-activated protein kinase kinase 1	5604	1217.39397	0.077604608	0.448806504	0.172913287	0.862719588	0.999371363	Not Sig
ENSG00000245146	MALINC1	mitosis associated long intergenic non-coding RNA 1	100505636	32.11307464	0.077773936	0.591357228	0.13151769	0.895365794	0.999371363	Not Sig
ENSG00000260774	NA	NA	NA	14.12502899	0.077821511	0.761850134	0.102148058	0.918639156	0.999371363	Not Sig
ENSG00000254901	BORCS8	BLOC-1 related complex subunit 8	729991	250.4313741	0.077866837	0.561204272	0.138749543	0.889648067	0.999371363	Not Sig
ENSG00000157870	FAM213B	family with sequence similarity 213 member B	127281	656.4742336	0.077880654	0.586499215	0.132789016	0.894360242	0.999371363	Not Sig
ENSG00000137574	TGS1	trimethylguanosine synthase 1	96764	721.0890212	0.078319023	0.444574091	0.176166414	0.860163206	0.999371363	Not Sig
ENSG00000163235	TGFA	transforming growth factor alpha	7039	358.2419391	0.078330828	0.580451078	0.134948199	0.892652831	0.999371363	Not Sig
ENSG00000109436	TBC1D9	TBC1 domain family member 9	23158	1837.662256	0.078342626	0.597031158	0.13122033	0.895601014	0.999371363	Not Sig
ENSG00000140403	DNAJA4	DnaJ heat shock protein family (Hsp40) member A4	55466	846.2193061	0.078385174	0.660004443	0.118764615	0.905461843	0.999371363	Not Sig
ENSG00000081189	MEF2C	myocyte enhancer factor 2C	4208	1159.910207	0.078470697	0.655353322	0.119738002	0.904690696	0.999371363	Not Sig
ENSG00000076826	CAMSAP3	calmodulin regulated spectrin associated protein family member 3	57662	866.5159803	0.078625295	0.669056951	0.117516595	0.906450694	0.999371363	Not Sig
ENSG00000116350	SRSF4	serine and arginine rich splicing factor 4	6429	1913.405056	0.078807415	0.420200562	0.187547144	0.851231664	0.999371363	Not Sig
ENSG00000088930	XRN2	5'-3' exoribonuclease 2	22803	2253.527765	0.078815564	0.46709408	0.168735951	0.866004339	0.999371363	Not Sig
ENSG00000154277	UCHL1	ubiquitin C-terminal hydrolase L1	7345	79.69381082	0.078880513	0.660549554	0.119416496	0.904945393	0.999371363	Not Sig
ENSG00000130147	SH3BP4	SH3 domain binding protein 4	23677	1960.515353	0.078997775	0.587242256	0.134523315	0.892988776	0.999371363	Not Sig
ENSG00000265517	NA	NA	NA	4.692868379	0.079046982	1.586389076	0.049828244	0.960259259	NA	NA
ENSG00000139579	NABP2	nucleic acid binding protein 2	79035	261.654681	0.07915139	0.457009461	0.173194204	0.862498779	0.999371363	Not Sig
ENSG00000143771	CNIH4	cornichon family AMPA receptor auxiliary protein 4	29097	746.3341429	0.07915811	0.465675413	0.16998559	0.865021469	0.999371363	Not Sig
ENSG00000136827	TOR1A	torsin family 1 member A	1861	602.8549557	0.079206126	0.441855239	0.17925809	0.857735053	0.999371363	Not Sig
ENSG00000140740	UQCRC2	ubiquinol-cytochrome c reductase core protein 2	7385	2075.255168	0.079382983	0.405082558	0.195967418	0.844635668	0.999371363	Not Sig
ENSG00000144021	CIAO1	cytosolic iron-sulfur assembly component 1	9391	1386.518873	0.079647543	0.44690296	0.178221112	0.85854933	0.999371363	Not Sig
ENSG00000164631	ZNF12	zinc finger protein 12	7559	1364.951332	0.079695638	0.520075667	0.153238544	0.878210163	0.999371363	Not Sig
ENSG00000166197	NOLC1	nucleolar and coiled-body phosphoprotein 1	9221	1541.543	0.079703682	0.421327698	0.189172661	0.849957494	0.999371363	Not Sig
ENSG00000271754	NA	NA	NA	4.181197043	0.079750831	1.264562919	0.063065925	0.949714008	NA	NA
ENSG00000265611	NA	NA	NA	6.955384635	0.079818833	0.98440856	0.081083034	0.935375918	0.999371363	Not Sig
ENSG00000266933	NA	NA	NA	3.466657802	0.080254499	1.361410342	0.058949529	0.952992308	NA	NA
ENSG00000134480	CCNH	cyclin H	902	819.6648032	0.080264962	0.601698593	0.133397291	0.893879187	0.999371363	Not Sig
ENSG00000222720	NA	NA	NA	2.853292225	0.080269862	1.625430152	0.049383766	0.960613465	NA	NA
ENSG00000252865	NA	NA	NA	1.69957194	0.08068178	1.936694176	0.041659535	0.966770112	NA	NA
ENSG00000264225	NA	NA	NA	10.07888188	0.080767555	0.847327709	0.095320328	0.924060397	0.999371363	Not Sig
ENSG00000183762	KREMEN1	kringle containing transmembrane protein 1	83999	1021.047626	0.080825595	0.496173362	0.162897892	0.87059883	0.999371363	Not Sig
ENSG00000251666	NA	NA	NA	26.77407414	0.080861201	0.658790774	0.122741853	0.90231152	0.999371363	Not Sig
ENSG00000117450	PRDX1	peroxiredoxin 1	5052	3484.011002	0.08109186	0.430022155	0.188576004	0.850425141	0.999371363	Not Sig
ENSG00000139292	LGR5	leucine rich repeat containing G protein-coupled receptor 5	8549	71.52242974	0.081117616	0.555849407	0.145934519	0.883973081	0.999371363	Not Sig
ENSG00000112624	BICRAL	BRD4 interacting chromatin remodeling complex associated protein like	23506	1158.464086	0.081308534	0.432925224	0.187811957	0.851024062	0.999371363	Not Sig

ENSG00000179532	DNHD1	dynein heavy chain domain 1	144132	698.792999	0.081417277	0.533472179	0.152617663	0.878699795	0.999371363	Not Sig
ENSG00000238372	NA	NA	NA	6.558576433	0.081449885	1.08069476	0.075368076	0.939921858	NA	NA
ENSG00000166477	LEO1	LEO1 homolog, Paf1/RNA polymerase II complex component	123169	542.7944999	0.081576129	0.538689802	0.15143433	0.87963311	0.999371363	Not Sig
ENSG00000117139	KDM5B	lysine demethylase 5B	10765	3452.482385	0.081692163	0.635004485	0.128648168	0.897636051	0.999371363	Not Sig
ENSG00000263717	NA	NA	NA	17.24697069	0.081719465	0.706535015	0.1156623	0.907920186	0.999371363	Not Sig
ENSG00000166913	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta	7529	3990.846987	0.081908171	0.437345184	0.187284949	0.851437223	0.999371363	Not Sig
ENSG00000251400	NA	NA	NA	8.000353181	0.081959646	0.922680779	0.088827737	0.929218814	0.999371363	Not Sig
ENSG00000171159	C9orf16	chromosome 9 open reading frame 16	79095	478.4352909	0.081985252	0.607104567	0.135043049	0.892577838	0.999371363	Not Sig
ENSG00000171806	METTL18	methyltransferase like 18	92342	119.2135634	0.082294928	0.514372786	0.159990828	0.87288883	0.999371363	Not Sig
ENSG00000139618	BRCA2	BRCA2, DNA repair associated	675	427.8858698	0.082508244	0.888374656	0.092875504	0.926002466	0.999371363	Not Sig
ENSG00000120458	MSANTD2	Myb/SANT DNA binding domain containing 2	79684	346.9918505	0.082534359	0.448480592	0.184031061	0.853989088	0.999371363	Not Sig
ENSG00000125846	ZNF133	zinc finger protein 133	7692	355.9594184	0.08253505	0.50540742	0.163303993	0.87027909	0.999371363	Not Sig
ENSG00000258655	NA	NA	NA	46.43698978	0.082590911	0.599434258	0.137781432	0.890413159	0.999371363	Not Sig
ENSG00000168066	SF1	splicing factor 1	7536	4789.481682	0.082765359	0.420231696	0.196951728	0.843865313	0.999371363	Not Sig
ENSG00000163159	VPS72	vacuolar protein sorting 72 homolog	6944	596.9034087	0.082857538	0.458618039	0.180667856	0.856628291	0.999371363	Not Sig
ENSG00000163029	SMC6	structural maintenance of chromosomes 6	79677	972.7257332	0.082859002	0.487620638	0.169925134	0.865069015	0.999371363	Not Sig
ENSG00000115232	ITGA4	integrin subunit alpha 4	3676	1190.668227	0.082876534	0.737643484	0.112353102	0.910543439	0.999371363	Not Sig
ENSG00000068137	PLEKHH3	pleckstrin homology, MyTH and FERM domain containing H3	79990	700.7322778	0.082947481	0.6012898	0.137949256	0.890280522	0.999371363	Not Sig
ENSG00000135316	SYNCRIP	synaptotagmin binding cytoplasmic RNA interacting protein	10492	3584.824033	0.083220919	0.491924404	0.169174203	0.86565962	0.999371363	Not Sig
ENSG00000271794	NA	NA	NA	4.98313901	0.083248184	1.239506809	0.067162345	0.946452462	NA	NA
ENSG00000167515	TRAPPC2L	trafficking protein particle complex 2 like	51693	355.2008542	0.083250402	0.512482957	0.16244521	0.870955271	0.999371363	Not Sig
ENSG00000196236	XPNPEP3	X-prolyl aminopeptidase 3	63929	862.4579935	0.083256264	0.504583042	0.165000122	0.868943886	0.999371363	Not Sig
ENSG00000181234	TMEM132C	transmembrane protein 132C	92293	50.49207302	0.083295115	1.300756989	0.064035877	0.94894166	0.999371363	Not Sig
ENSG00000070731	ST6GALNAC2	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	10610	385.4272518	0.083398708	0.867385981	0.096149476	0.923401857	0.999371363	Not Sig
ENSG00000152042	NA	NA	NA	64.46036605	0.083738236	0.602740423	0.138929186	0.889506108	0.999371363	Not Sig
ENSG00000249961	TERB1	telomere repeat binding bouquet formation protein 1	283847	2.742841118	0.083836134	1.671799775	0.050147234	0.96000506	NA	NA
ENSG00000188993	LRRRC66	leucine rich repeat containing 66	339977	15.60723187	0.08386523	0.916204607	0.091535482	0.927067114	0.999371363	Not Sig
ENSG00000257735	NA	NA	NA	6.67999829	0.083938812	1.004439099	0.083567846	0.933400033	0.999371363	Not Sig
ENSG00000120594	PLXDC2	plexin domain containing 2	84898	4205.466802	0.084063283	0.493080732	0.170485841	0.864628069	0.999371363	Not Sig
ENSG00000207072	NA	NA	NA	3.500013491	0.084236465	1.58132715	0.053269474	0.957517202	NA	NA
ENSG00000197604	NA	NA	NA	16.38439657	0.084257821	0.930589979	0.090542369	0.927856226	0.999371363	Not Sig
ENSG00000109320	NFKB1	nuclear factor kappa B subunit 1	4790	2018.169622	0.084266569	0.420086604	0.200593326	0.841016577	0.999371363	Not Sig
ENSG00000101346	POFUT1	protein O-fucosyltransferase 1	23509	1179.219208	0.084313317	0.444901926	0.189509895	0.849693201	0.999371363	Not Sig
ENSG00000128973	CLN6	CLN6, transmembrane ER protein	54982	593.2435626	0.084336955	0.513346171	0.16428866	0.869503908	0.999371363	Not Sig
ENSG00000132646	PCNA	proliferating cell nuclear antigen	5111	677.1795072	0.084358513	0.474392305	0.177824371	0.858860907	0.999371363	Not Sig

ENSG00000119650	IFT43	intraflagellar transport 43	112752	382.3183347	0.084406958	0.424023635	0.199061918	0.84221431	0.999371363	Not Sig
ENSG00000232486	NA	NA	NA	12.3881111	0.084537752	0.854949116	0.098880448	0.921233193	0.999371363	Not Sig
ENSG00000162139	NEU3	neuraminidase 3	10825	307.1027382	0.084593833	0.406366047	0.208171509	0.835095054	0.999371363	Not Sig
ENSG00000141642	ELAC1	elaC ribonuclease Z 1	55520	112.8330616	0.084709436	0.476949931	0.177606559	0.859031973	0.999371363	Not Sig
ENSG00000177875	CCDC184	coiled-coil domain containing 184	387856	20.4879325	0.084828514	0.850203416	0.099774374	0.920523453	0.999371363	Not Sig
ENSG00000196419	XRCC6	X-ray repair cross complementing 6	2547	4957.347376	0.084868959	0.468433776	0.181176003	0.85622943	0.999371363	Not Sig
ENSG00000138646	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5	51191	416.1779917	0.085109703	0.927148676	0.091797255	0.926859125	0.999371363	Not Sig
ENSG00000146376	ARHGAP18	Rho GTPase activating protein 18	93663	1988.786099	0.085202305	0.590967751	0.144174204	0.88536291	0.999371363	Not Sig
ENSG00000266844	NA	NA	NA	10.25156649	0.085333162	0.916991246	0.093057771	0.925857665	0.999371363	Not Sig
ENSG00000126858	RHOT1	ras homolog family member T1	55288	1114.775603	0.085623965	0.470450022	0.182004382	0.855579287	0.999371363	Not Sig
ENSG00000177674	AGTRAP	angiotensin II receptor associated protein	57085	848.0709303	0.085651975	0.588062756	0.145651079	0.884196843	0.999371363	Not Sig
ENSG00000143194	MAEL	maelstrom spermatogenic transposon silencer	84944	4.450422715	0.08566573	1.500318578	0.057098359	0.954466843	NA	NA
ENSG00000090615	GOLGA3	golgin A3	2802	5801.290082	0.085731982	0.452928862	0.189283549	0.849870588	0.999371363	Not Sig
ENSG00000227963	RBM15-AS1	RBM15 antisense RNA 1	440600	7.186953545	0.085823446	0.948302007	0.09050223	0.927888122	0.999371363	Not Sig
ENSG00000205148	NA	NA	NA	5.952168971	0.085839894	1.109057079	0.077398987	0.938306147	NA	NA
ENSG00000118402	ELOVL4	ELOVL fatty acid elongase 4	6785	14.70935653	0.085966649	0.854606042	0.100592138	0.919874238	0.999371363	Not Sig
ENSG00000108774	RAB5C	RAB5C, member RAS oncogene family	5878	445.9491243	0.085991717	0.449521055	0.191296304	0.848293456	0.999371363	Not Sig
ENSG00000138771	SHROOM3	shroom family member 3	57619	3223.038959	0.086174414	0.413893921	0.208204106	0.835069603	0.999371363	Not Sig
ENSG00000169891	REPS2	RALBP1 associated Eps domain containing 2	9185	829.6410116	0.086274831	0.590277566	0.146159767	0.883795266	0.999371363	Not Sig
ENSG00000131398	KCNC3	potassium voltage-gated channel subfamily C member 3	3748	486.9311654	0.086322104	0.439785863	0.196282126	0.844389351	0.999371363	Not Sig
ENSG00000143033	MTF2	metal response element binding transcription factor 2	22823	835.0288731	0.086348542	0.680884794	0.126818138	0.89908434	0.999371363	Not Sig
ENSG00000261687	NA	NA	NA	2.42484979	0.086417156	1.70921273	0.050559626	0.959676436	NA	NA
ENSG00000197020	ZNF100	zinc finger protein 100	163227	306.4330846	0.086513199	0.79206681	0.109224624	0.91302433	0.999371363	Not Sig
ENSG00000221584	NA	NA	NA	0.635434608	0.086525066	3.484121343	0.024834114	0.980187281	NA	NA
ENSG00000225075	NA	NA	NA	0.635434608	0.086525066	3.484121343	0.024834114	0.980187281	NA	NA
ENSG00000226536	NA	NA	NA	0.635434608	0.086525066	3.484121343	0.024834114	0.980187281	NA	NA
ENSG00000235064	NA	NA	NA	0.635434608	0.086525066	3.484121343	0.024834114	0.980187281	NA	NA
ENSG00000258271	NA	NA	NA	0.635434608	0.086525066	3.484121343	0.024834114	0.980187281	NA	NA
ENSG00000262693	NA	NA	NA	0.635434608	0.086525066	3.484121343	0.024834114	0.980187281	NA	NA
ENSG00000169962	TAS1R3	taste 1 receptor member 3	83756	36.42542804	0.086565004	0.654953947	0.132169604	0.894850143	0.999371363	Not Sig
ENSG00000205129	C4orf47	chromosome 4 open reading frame 47	441054	32.0992725	0.08706372	0.662003344	0.131515529	0.895367503	0.999371363	Not Sig
ENSG00000140382	HMG20A	high mobility group 20A	10363	943.3147693	0.087093508	0.400028874	0.217718055	0.827648795	0.999371363	Not Sig
ENSG00000141198	TOM1L1	target of mybl like 1 membrane trafficking protein	10040	908.2047581	0.087157978	0.627579879	0.138879498	0.889545372	0.999371363	Not Sig
ENSG00000047578	KIAA0556	KIAA0556	23247	1216.588053	0.087409012	0.416900677	0.209663877	0.833930021	0.999371363	Not Sig
ENSG00000146476	ARMT1	acidic residue methyltransferase 1	79624	587.6964638	0.087420741	0.54131258	0.161497709	0.871701416	0.999371363	Not Sig

ENSG00000105708	ZNF14	zinc finger protein 14	7561	227.2467066	0.087489233	0.438994109	0.199294777	0.842032164	0.999371363	Not Sig
ENSG00000128596	CCDC136	coiled-coil domain containing 136	64753	66.22514852	0.087588435	0.624476946	0.140258877	0.888455455	0.999371363	Not Sig
ENSG00000233121	NA	NA	NA	1.499017303	0.087593103	1.844343499	0.047492836	0.96212044	NA	NA
ENSG00000145979	TBC1D7	TBC1 domain family member 7	51256	235.593248	0.087607212	0.499403247	0.175423793	0.860746646	0.999371363	Not Sig
ENSG00000145979	TBC1D7-LOC100130357	TBC1D7-LOC100130357 readthrough	107080638	235.593248	0.087607212	0.499403247	0.175423793	0.860746646	0.999371363	Not Sig
ENSG00000166128	RAB8B	RAB8B, member RAS oncogene family	51762	1096.527301	0.087841487	0.546990457	0.160590529	0.872415915	0.999371363	Not Sig
ENSG00000154124	OTULIN	OTU deubiquitinase with linear linkage specificity	90268	1366.706809	0.088008657	0.452104274	0.194664511	0.845655597	0.999371363	Not Sig
ENSG00000005156	LIG3	DNA ligase 3	3980	828.0665782	0.088013205	0.510661086	0.172351501	0.863161198	0.999371363	Not Sig
ENSG00000131781	FMO5	flavin containing monooxygenase 5	2330	1684.975891	0.088124828	0.696230834	0.126574153	0.899277456	0.999371363	Not Sig
ENSG00000136155	SCEL	sciellin	8796	2256.656543	0.088148709	0.95666508	0.09214166	0.926585489	0.999371363	Not Sig
ENSG00000168303	MPLKIP	M-phase specific PLK1 interacting protein	136647	390.1638509	0.088307235	0.458850643	0.192453115	0.84738729	0.999371363	Not Sig
ENSG00000034063	NA	NA	NA	282.9324859	0.088408346	0.942799774	0.093772133	0.925290168	0.999371363	Not Sig
ENSG00000197579	TOPORS	TOP1 binding arginine/serine rich protein	10210	674.6239216	0.088477762	0.49549856	0.178563106	0.858280766	0.999371363	Not Sig
ENSG00000224057	EGFR-AS1	EGFR antisense RNA 1	100507500	1.989969819	0.08847847	2.136130583	0.041419972	0.966961091	NA	NA
ENSG00000265334	NA	NA	NA	2.609512643	0.088486588	1.666993498	0.053081543	0.957666937	NA	NA
ENSG00000179761	PIPOX	pipecolic acid and sarcosine oxidase	51268	58.71952724	0.088518997	0.715992862	0.123631117	0.901607354	0.999371363	Not Sig
ENSG00000143119	CD53	CD53 molecule	963	1141.894171	0.088681576	0.812870574	0.109096797	0.913125715	0.999371363	Not Sig
ENSG00000169427	KCNK9	potassium two pore domain channel subfamily K member 9	51305	1.809142796	0.088772295	2.27734277	0.038980647	0.968905818	NA	NA
ENSG00000122121	XPNPEP2	X-prolyl aminopeptidase 2	7512	12.3276272	0.088986941	0.876503745	0.101524883	0.919133805	0.999371363	Not Sig
ENSG00000146007	ZMAT2	zinc finger matrin-type 2	153527	920.3153337	0.089030842	0.496884864	0.179178011	0.857797929	0.999371363	Not Sig
ENSG00000150316	CWC15	CWC15 spliceosome associated protein homolog	51503	642.0506098	0.089166072	0.441483818	0.201969062	0.839940911	0.999371363	Not Sig
ENSG00000183726	TMEM50A	transmembrane protein 50A	23585	1376.260981	0.089363585	0.435354958	0.205266033	0.837364281	0.999371363	Not Sig
ENSG00000170242	USP47	ubiquitin specific peptidase 47	55031	2917.615976	0.08946887	0.427237096	0.209412691	0.834126086	0.999371363	Not Sig
ENSG00000225302	NA	NA	NA	41.42515336	0.089668698	0.84032737	0.106706863	0.915021538	0.999371363	Not Sig
ENSG00000265144	MIR548AM	microRNA 548am	100616428	5.168958976	0.089714773	1.77798212	0.05045876	0.959756812	NA	NA
ENSG00000075275	CELSR1	cadherin EGF LAG seven-pass G-type receptor 1	9620	6807.036452	0.08976421	0.680400075	0.131928572	0.895040789	0.999371363	Not Sig
ENSG00000090863	GLG1	golgi glycoprotein 1	2734	5100.009617	0.089909604	0.371674984	0.241903835	0.808854679	0.999371363	Not Sig
ENSG00000168610	STAT3	signal transducer and activator of transcription 3	6774	9562.564928	0.08991099	0.405192219	0.221897129	0.824393965	0.999371363	Not Sig
ENSG00000176619	LMNB2	lamin B2	84823	1152.16015	0.089973646	0.485181135	0.185443415	0.852881259	0.999371363	Not Sig
ENSG00000188242	PP7080	uncharacterized LOC25845	25845	312.9501611	0.090098563	0.735795665	0.122450522	0.902542229	0.999371363	Not Sig
ENSG00000264419	MIR548AC	microRNA 548ac	100616384	3.925439213	0.090153693	1.402523661	0.064279624	0.948747578	NA	NA
ENSG00000205659	LIN52	lin-52 DREAM MuvB core complex component	91750	262.3867752	0.090228684	0.432129871	0.208799923	0.834604432	0.999371363	Not Sig
ENSG00000140968	IRF8	interferon regulatory factor 8	3394	886.749994	0.090298622	0.773196224	0.116786165	0.907029507	0.999371363	Not Sig
ENSG00000137103	TMEM8B	transmembrane protein 8B	51754	451.2773861	0.090356031	0.820891933	0.110070555	0.91235342	0.999371363	Not Sig
ENSG00000165379	LRFN5	leucine rich repeat and fibronectin type III domain containing 5	145581	35.67377282	0.090412599	0.658495639	0.137301742	0.890792293	0.999371363	Not Sig

ENSG00000243627	SMIM34A	small integral membrane protein 34A	388820	9.061794145	0.090678482	1.348234042	0.067257226	0.946376928	0.999371363	Not Sig
ENSG00000133805	AMPD3	adenosine monophosphate deaminase 3	272	720.482995	0.090832666	0.540068389	0.16818734	0.8664359	0.999371363	Not Sig
ENSG00000135821	GLUL	glutamate-ammonia ligase	2752	13981.96747	0.090927375	0.520523506	0.174684475	0.861327567	0.999371363	Not Sig
ENSG00000100053	CRYBB3	crystallin beta B3	1417	16.1674751	0.091032981	0.960311957	0.094795218	0.924477486	0.999371363	Not Sig
ENSG00000181392	SYNE4	spectrin repeat containing nuclear envelope family member 4	163183	112.9620277	0.091038101	0.608911753	0.149509515	0.881151602	0.999371363	Not Sig
ENSG00000126749	EMG1	EMG1, N1-specific pseudouridine methyltransferase	10436	401.8852598	0.091080892	0.418017518	0.217887739	0.82751658	0.999371363	Not Sig
ENSG00000143340	FAM163A	family with sequence similarity 163 member A	148753	2.29824661	0.091233083	1.801643475	0.050638811	0.959613336	NA	NA
ENSG00000094804	CDC6	cell division cycle 6	990	140.6965692	0.091238042	1.051727989	0.086750608	0.930869749	0.999371363	Not Sig
ENSG00000269113	TRABD2B	TraB domain containing 2B	388630	114.5393903	0.091366286	0.677237291	0.1349103	0.892682796	0.999371363	Not Sig
ENSG00000135930	EIF4E2	eukaryotic translation initiation factor 4E family member 2	9470	1219.322292	0.091394299	0.452571226	0.201944564	0.839960063	0.999371363	Not Sig
ENSG00000084754	HADHA	hydroxyacyl-CoA dehydrogenase trifunctional multienzyme complex subunit alpha	3030	2908.276303	0.091465685	0.509184476	0.179631723	0.857441699	0.999371363	Not Sig
ENSG00000100354	TNRC6B	trinucleotide repeat containing 6B	23112	5047.955126	0.091466362	0.409957438	0.223111849	0.823448457	0.999371363	Not Sig
ENSG00000241563	CORT	cortistatin	1325	4.243142782	0.091739776	1.150200685	0.079759799	0.936428298	NA	NA
ENSG00000072571	HMMR	hyaluronan mediated motility receptor	3161	172.3050739	0.091820829	1.137713315	0.080706473	0.935675389	0.999371363	Not Sig
ENSG00000149196	HIKESHI	Hikeshi, heat shock protein nuclear import factor	51501	319.8562002	0.092380412	0.449099471	0.20570145	0.837024126	0.999371363	Not Sig
ENSG00000213204	NA	NA	NA	39.8402549	0.092553103	0.635720619	0.1455877	0.884246878	0.999371363	Not Sig
ENSG00000099904	ZDHHC8	zinc finger DHHC-type containing 8	29801	928.9476889	0.092838831	0.638539346	0.145392499	0.884400987	0.999371363	Not Sig
ENSG00000161010	MRNIP	MRN complex interacting protein	51149	637.7594752	0.092932565	0.531112016	0.174977335	0.861097443	0.999371363	Not Sig
ENSG00000172809	RPL38	ribosomal protein L38	6169	2432.598273	0.092950697	0.479116867	0.194004227	0.846172572	0.999371363	Not Sig
ENSG00000145868	FBX038	F-box protein 38	81545	1651.827185	0.0930743	0.497589963	0.187050196	0.851621277	0.999371363	Not Sig
ENSG00000149599	DUSP15	dual specificity phosphatase 15	128853	20.5652885	0.093141903	0.975750456	0.095456684	0.923952094	0.999371363	Not Sig
ENSG00000181804	SLC9A9	solute carrier family 9 member A9	285195	272.2380877	0.093164599	0.612534882	0.152096806	0.879110583	0.999371363	Not Sig
ENSG00000254556	NA	NA	NA	22.23148225	0.093165101	0.872593674	0.106768023	0.914973017	0.999371363	Not Sig
ENSG00000203705	TATDN3	TatD DNase domain containing 3	128387	252.2499229	0.093258039	0.486283458	0.191777116	0.847916797	0.999371363	Not Sig
ENSG00000233609	NA	NA	NA	43.11515147	0.093263703	0.961098076	0.097038695	0.922695666	0.999371363	Not Sig
ENSG00000116406	EDEM3	ER degradation enhancing alpha-mannosidase like protein 3	80267	2288.471737	0.093265556	0.544449001	0.171302648	0.863985798	0.999371363	Not Sig
ENSG00000067167	TRAM1	translocation associated membrane protein 1	23471	7276.658382	0.093402157	0.620234636	0.15059165	0.880297849	0.999371363	Not Sig
ENSG00000168918	INPP5D	inositol polyphosphate-5-phosphatase D	3635	1279.45883	0.09354347	0.73164978	0.127852796	0.898265467	0.999371363	Not Sig
ENSG00000103599	IQCH	IQ motif containing H	64799	95.88381493	0.093805072	0.515446861	0.181987861	0.855592253	0.999371363	Not Sig
ENSG00000100380	ST13	ST13, Hsp70 interacting protein	6767	3835.496537	0.09407747	0.443795597	0.211983784	0.832119685	0.999371363	Not Sig
ENSG00000165675	ENOX2	ecto-NOX disulfide-thiol exchanger 2	10495	309.723055	0.09414579	0.397812548	0.236658674	0.812921598	0.999371363	Not Sig
ENSG00000185031	NA	NA	NA	27.31961152	0.094315001	0.757582418	0.124494707	0.900923591	0.999371363	Not Sig
ENSG00000229869	LOC101927762	uncharacterized LOC101927762	101927762	3.057267685	0.094484492	1.4583105	0.06479038	0.948340901	NA	NA
ENSG00000214190	NA	NA	NA	11.46501296	0.094672389	0.910275482	0.104004107	0.917166089	0.999371363	Not Sig
ENSG00000265148	TSPOAP1-AS1	TSPOAP1 antisense RNA 1	100506779	110.189801	0.094682444	0.815572429	0.116093237	0.907578648	0.999371363	Not Sig

ENSG00000151445	VIPAS39	VPS39 interacting protein, apical-basolateral polarity regulator, spe-39 homolog	63894	485.3625718	0.094803486	0.410060198	0.231194069	0.817164038	0.999371363	Not Sig
ENSG00000170049	KCNAB3	potassium voltage-gated channel subfamily A regulatory beta subunit 3	9196	51.10915205	0.094858925	0.574735999	0.165047823	0.868906341	0.999371363	Not Sig
ENSG00000122126	OCRL	OCRL, inositol polyphosphate-5-phosphatase	4952	1079.691869	0.094882843	0.456750868	0.207734346	0.835436399	0.999371363	Not Sig
ENSG00000232558	KCND3-IT1	KCND3 intronic transcript 1	100874295	4.123237427	0.094931567	1.497144116	0.063408436	0.94944127	NA	NA
ENSG00000263989	NA	NA	NA	2.336578669	0.094993346	2.071027237	0.045867743	0.963415664	NA	NA
ENSG00000134313	KIDINS220	kinase D interacting substrate 220	57498	3713.79372	0.095144914	0.389675586	0.244164421	0.807103481	0.999371363	Not Sig
ENSG00000123130	ACOT9	acyl-CoA thioesterase 9	23597	846.5481417	0.095195389	0.541796819	0.175703115	0.860527188	0.999371363	Not Sig
ENSG00000168938	PPIC	peptidylprolyl isomerase C	5480	783.0906149	0.095257783	0.435036047	0.218965265	0.826677106	0.999371363	Not Sig
ENSG00000144224	UBXN4	UBX domain protein 4	23190	3230.082167	0.095294995	0.493979325	0.192912923	0.847027164	0.999371363	Not Sig
ENSG00000236104	ZBTB22	zinc finger and BTB domain containing 22	9278	596.7474502	0.095394038	0.635274457	0.15016193	0.880636861	0.999371363	Not Sig
ENSG00000112640	PPP2R5D	protein phosphatase 2 regulatory subunit B' delta	5528	776.9092218	0.09545356	0.445580259	0.214223045	0.830373126	0.999371363	Not Sig
ENSG00000169599	NFU1	NFU1 iron-sulfur cluster scaffold	27247	340.4437589	0.095519756	0.485482444	0.196752236	0.844021431	0.999371363	Not Sig
ENSG00000122203	KIAA1191	KIAA1191	57179	1772.115525	0.095701204	0.437964781	0.218513471	0.827029064	0.999371363	Not Sig
ENSG00000136021	SCYL2	SCY1 like pseudokinase 2	55681	1744.862285	0.095731837	0.525311173	0.182238342	0.855395684	0.999371363	Not Sig
ENSG00000114573	ATP6V1A	ATPase H+ transporting V1 subunit A	523	2152.075334	0.095751578	0.571932989	0.167417478	0.867041574	0.999371363	Not Sig
ENSG00000151881	TMEM267	transmembrane protein 267	64417	193.6158685	0.095851302	0.538361159	0.178042752	0.858689401	0.999371363	Not Sig
ENSG00000122565	CBX3	chromobox 3	11335	2673.507581	0.095906973	0.635543992	0.150905325	0.8800504	0.999371363	Not Sig
ENSG00000129515	SNX6	sorting nexin 6	58533	1134.649158	0.095931796	0.392992927	0.244105655	0.807148993	0.999371363	Not Sig
ENSG00000235173	HGH1	HGH1 homolog	51236	39.67357693	0.096197728	0.712686535	0.134979017	0.892628464	0.999371363	Not Sig
ENSG00000163510	CWC22	CWC22 spliceosome associated protein homolog	57703	772.9723822	0.096215393	0.445854864	0.215799805	0.829143801	0.999371363	Not Sig
ENSG00000161921	CXCL16	C-X-C motif chemokine ligand 16	58191	3003.71644	0.096502642	0.558652452	0.172741822	0.862854369	0.999371363	Not Sig
ENSG00000163428	LRRC58	leucine rich repeat containing 58	116064	1330.709987	0.096550535	0.570931351	0.169110586	0.865709658	0.999371363	Not Sig
ENSG00000211638	NA	NA	NA	292.446092	0.096662243	0.863413409	0.111953604	0.910860194	0.999371363	Not Sig
ENSG00000170855	TRIAP1	TP53 regulated inhibitor of apoptosis 1	51499	185.7288695	0.096672746	0.461633377	0.209414551	0.834124635	0.999371363	Not Sig
ENSG00000114686	MRPL3	mitochondrial ribosomal protein L3	11222	1156.21698	0.097160123	0.501577743	0.193709	0.846403745	0.999371363	Not Sig
ENSG00000103540	CCP110	centriolar coiled-coil protein 110	9738	1002.333122	0.097264897	0.591719768	0.164376623	0.869434666	0.999371363	Not Sig
ENSG00000169564	PCBP1	poly(rC) binding protein 1	5093	4049.215952	0.097330183	0.471786972	0.206301124	0.8365557	0.999371363	Not Sig
ENSG00000085662	AKR1B1	aldo-keto reductase family 1 member B	231	798.6807062	0.097560575	0.705884729	0.13821035	0.890074176	0.999371363	Not Sig
ENSG00000178031	ADAMTSL1	ADAMTS like 1	92949	107.9665383	0.097641133	0.667487839	0.146281516	0.883699157	0.999371363	Not Sig
ENSG00000231841	NA	NA	NA	4.790455603	0.097750414	1.239756549	0.078846459	0.93715475	NA	NA
ENSG00000153391	INO80C	INO80 complex subunit C	125476	217.9928883	0.097752719	0.514924218	0.189839041	0.849435262	0.999371363	Not Sig
ENSG00000010165	METTL13	methyltransferase like 13	51603	692.5500472	0.097855807	0.461176155	0.212187482	0.831960772	0.999371363	Not Sig
ENSG00000134287	ARF3	ADP ribosylation factor 3	377	2590.816879	0.097903392	0.450046215	0.217540752	0.827786952	0.999371363	Not Sig
ENSG00000174021	GNG5	G protein subunit gamma 5	2787	816.5890556	0.097923453	0.546625448	0.179141775	0.857826381	0.999371363	Not Sig
ENSG00000150776	NKAPD1	NKAP domain containing 1	55216	583.0635367	0.097952013	0.390215099	0.25102056	0.801798214	0.999371363	Not Sig

ENSG00000251791	SCARNA6	small Cajal body-specific RNA 6	677772	621.8738629	0.097981793	0.569946383	0.171914053	0.863505098	0.999371363	Not Sig
ENSG00000133627	ACTR3B	ARP3 actin related protein 3 homolog B	57180	163.6400222	0.09800189	0.533311957	0.183760909	0.854201024	0.999371363	Not Sig
ENSG00000139546	TARBP2	TARBP2, RISC loading complex RNA binding subunit	6895	295.5311071	0.098081151	0.428405796	0.2289445	0.818912053	0.999371363	Not Sig
ENSG00000168090	COPS6	COP9 signalosome subunit 6	10980	913.7721642	0.098187483	0.391365082	0.250884629	0.801903309	0.999371363	Not Sig
ENSG00000107902	LHPP	phospholysine phosphohistidine inorganic pyrophosphate phosphatase	64077	400.130542	0.098196706	0.503962167	0.194849361	0.845510878	0.999371363	Not Sig
ENSG00000155749	ALS2CR12	amyotrophic lateral sclerosis 2 chromosome region 12	130540	60.52678603	0.098336971	0.688666426	0.142793328	0.886453407	0.999371363	Not Sig
ENSG00000225883	NA	NA	NA	12.06076558	0.098462022	1.062700632	0.092652643	0.926179521	0.999371363	Not Sig
ENSG00000006114	NA	NA	NA	2210.97617	0.09856044	0.45606887	0.216108676	0.828903037	0.999371363	Not Sig
ENSG00000187838	PLSCR3	phospholipid scramblase 3	57048	5.89936253	0.098567233	1.08821064	0.090577347	0.927828433	NA	NA
ENSG00000233270	NA	NA	NA	4.612080951	0.09868166	1.309709813	0.075346202	0.939939262	NA	NA
ENSG00000131089	ARHGEF9	Cdc42 guanine nucleotide exchange factor 9	23229	603.647448	0.098812857	0.432760142	0.228331696	0.819388385	0.999371363	Not Sig
ENSG00000174206	C12orf66	chromosome 12 open reading frame 66	144577	183.7273001	0.098833237	0.514141218	0.192229748	0.847562245	0.999371363	Not Sig
ENSG00000266501	NA	NA	NA	7.82523925	0.098841621	1.061237063	0.093138117	0.925793836	0.999371363	Not Sig
ENSG00000116667	C1orf21	chromosome 1 open reading frame 21	81563	942.1530888	0.098875294	0.734643132	0.134589557	0.892936399	0.999371363	Not Sig
ENSG00000130299	GTPBP3	GTP binding protein 3, mitochondrial	84705	238.2247838	0.098913511	0.522812071	0.189195156	0.849939864	0.999371363	Not Sig
ENSG00000164151	ICE1	interactor of little elongation complex ELL subunit 1	23379	2218.429555	0.09897237	0.396001835	0.249929068	0.802642203	0.999371363	Not Sig
ENSG00000241362	NA	NA	NA	7.117840313	0.098999798	1.035167747	0.095636478	0.923809292	0.999371363	Not Sig
ENSG00000054965	FAM168A	family with sequence similarity 168 member A	23201	1528.889258	0.099485312	0.400747296	0.24824949	0.803941377	0.999371363	Not Sig
ENSG00000256802	LOC100130111	uncharacterized LOC100130111	100130111	56.15333257	0.099543982	0.817979875	0.121694904	0.90314065	0.999371363	Not Sig
ENSG00000056661	NA	NA	NA	968.7836615	0.099649065	0.535945868	0.185931213	0.852498705	0.999371363	Not Sig
ENSG00000160190	SLC37A1	solute carrier family 37 member 1	54020	998.7012659	0.099725554	0.43692039	0.228246509	0.819454606	0.999371363	Not Sig
ENSG00000174628	IQCK	IQ motif containing K	124152	236.6469919	0.09975479	0.434224414	0.229730956	0.818300838	0.999371363	Not Sig
ENSG00000198265	HELZ	helicase with zinc finger	9931	3613.340538	0.099822988	0.507248972	0.196792884	0.84398962	0.999371363	Not Sig
ENSG00000151131	C12orf45	chromosome 12 open reading frame 45	121053	121.9178957	0.099879377	0.631538459	0.158152485	0.874336644	0.999371363	Not Sig
ENSG00000168275	COA6	cytochrome c oxidase assembly factor 6	388753	213.6029358	0.099958396	0.425697625	0.23481079	0.814355593	0.999371363	Not Sig
ENSG00000198373	WWP2	WW domain containing E3 ubiquitin protein ligase 2	11060	2144.442414	0.10031227	0.508844252	0.197137473	0.84371996	0.999371363	Not Sig
ENSG00000171720	HDAC3	histone deacetylase 3	8841	689.6786969	0.10038331	0.464535353	0.216094015	0.828914465	0.999371363	Not Sig
ENSG00000183023	SLC8A1	solute carrier family 8 member A1	6546	1244.338406	0.100419273	0.775914319	0.129420569	0.897024872	0.999371363	Not Sig
ENSG00000028528	SNX1	sorting nexin 1	6642	3588.68857	0.100635959	0.501454416	0.20068815	0.840942426	0.999371363	Not Sig
ENSG00000179743	FLJ37453	uncharacterized LOC729614	729614	129.7655239	0.100677659	0.615242925	0.163638874	0.87001544	0.999371363	Not Sig
ENSG00000249931	GOLGA8K	golgin A8 family member K	653125	5.26353459	0.100729962	1.34956636	0.074638762	0.940502133	NA	NA
ENSG00000158296	SLC13A3	solute carrier family 13 member 3	64849	65.90628578	0.101290478	0.562847916	0.179960652	0.857183459	0.999371363	Not Sig
ENSG00000204138	PHACTR4	phosphatase and actin regulator 4	65979	1648.169437	0.101313068	0.424957879	0.238407318	0.811565192	0.999371363	Not Sig
ENSG00000127804	METTL16	methyltransferase like 16	79066	1109.963796	0.101369495	0.394303334	0.257085056	0.797113114	0.999371363	Not Sig
ENSG00000211887	NA	NA	NA	5.745475336	0.101685773	1.508068351	0.067427828	0.946241116	NA	NA

ENSG00000197149	NA	NA	NA	14.54858531	0.101716272	0.899614864	0.113066465	0.909977862	0.999371363	Not Sig
ENSG00000064199	SPA17	sperm autoantigenic protein 17	53340	149.2668005	0.101741457	0.448508526	0.226843974	0.820545068	0.999371363	Not Sig
ENSG00000213463	SYNJ2BP	synaptojanin 2 binding protein	55333	556.7893654	0.101800418	0.395669449	0.257286526	0.796957593	0.999371363	Not Sig
ENSG00000135211	TMEM60	transmembrane protein 60	85025	155.0407154	0.101821367	0.510775451	0.199346633	0.841991603	0.999371363	Not Sig
ENSG00000119689	DLST	dihydrolipoamide S-succinyltransferase	1743	1687.795569	0.101829726	0.395788607	0.257283114	0.796960227	0.999371363	Not Sig
ENSG00000078369	GNB1	G protein subunit beta 1	2782	7281.652257	0.101873352	0.401184316	0.253931542	0.799548446	0.999371363	Not Sig
ENSG00000221916	C19orf73	chromosome 19 open reading frame 73	55150	7.858722186	0.101930539	1.036912087	0.098302007	0.921692484	0.999371363	Not Sig
ENSG00000141497	ZMYND15	zinc finger MYND-type containing 15	84225	222.2353101	0.101993541	0.67795934	0.150441974	0.880415928	0.999371363	Not Sig
ENSG00000137502	RAB30	RAB30, member RAS oncogene family	27314	593.8060564	0.102002628	0.751485087	0.135734733	0.892030989	0.999371363	Not Sig
ENSG00000233328	NA	NA	NA	4.884860207	0.102120797	1.331150336	0.076716201	0.938849316	NA	NA
ENSG00000135046	ANXA1	annexin A1	301	4948.988366	0.102412974	0.68726103	0.149016123	0.881540911	0.999371363	Not Sig
ENSG00000164081	TEX264	testis expressed 264	51368	629.7465603	0.102610878	0.487193375	0.210616323	0.833186674	0.999371363	Not Sig
ENSG00000163001	CFAP36	cilia and flagella associated protein 36	112942	516.0386743	0.102857335	0.512865362	0.200554263	0.841047124	0.999371363	Not Sig
ENSG00000204790	NA	NA	NA	92.91242015	0.102879505	0.759944452	0.135377664	0.892313283	0.999371363	Not Sig
ENSG00000273311	DGCR11	DiGeorge syndrome critical region gene 11 (non-protein coding)	25786	100.093125	0.102886026	0.582861101	0.176518944	0.859886267	0.999371363	Not Sig
ENSG00000204463	BAG6	BCL2 associated athanogene 6	7917	5133.809366	0.102933992	0.419211054	0.245542169	0.806036661	0.999371363	Not Sig
ENSG00000144724	PTPRG	protein tyrosine phosphatase, receptor type G	5793	2108.383765	0.102948624	0.693611631	0.148424016	0.882008148	0.999371363	Not Sig
ENSG00000207781	MIR625	microRNA 625	693210	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000235962	NA	NA	NA	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000236877	NA	NA	NA	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000249207	NA	NA	NA	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000253179	NA	NA	NA	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000265691	MIR4460	microRNA 4460	100616325	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000271178	NA	NA	NA	0.70294853	0.103195471	3.983988662	0.025902551	0.979335065	NA	NA
ENSG00000157881	PANK4	pantothenate kinase 4	55229	609.8077383	0.103256008	0.587497646	0.175755611	0.860485944	0.999371363	Not Sig
ENSG00000178338	ZNF354B	zinc finger protein 354B	117608	329.252093	0.103281653	0.518115566	0.199340958	0.841996042	0.999371363	Not Sig
ENSG00000207308	NA	NA	NA	1.667373365	0.103300491	2.23849817	0.046147231	0.963192901	NA	NA
ENSG00000247077	PGAM5	PGAM family member 5, mitochondrial serine/threonine protein phosphatase	192111	366.8905797	0.103481675	0.448217504	0.230873793	0.817412851	0.999371363	Not Sig
ENSG00000213337	ANKRD39	ankyrin repeat domain 39	51239	107.0905587	0.103495203	0.491948511	0.210378121	0.833372567	0.999371363	Not Sig
ENSG00000158714	SLAMF8	SLAM family member 8	56833	429.3887422	0.103604606	0.692082781	0.14969973	0.881001521	0.999371363	Not Sig
ENSG00000147654	EBAG9	estrogen receptor binding site associated, antigen, 9	9166	430.7289829	0.10363109	0.457397619	0.226566746	0.820760653	0.999371363	Not Sig
ENSG00000224888	NA	NA	NA	12.46407784	0.103859598	0.879289208	0.118117677	0.905974418	0.999371363	Not Sig
ENSG00000092439	TRPM7	transient receptor potential cation channel subfamily M member 7	54822	2328.799042	0.103944576	0.548834906	0.189391336	0.849786114	0.999371363	Not Sig
ENSG00000114439	BBX	BBX, HMG-box containing	56987	2579.212569	0.104127429	0.528102591	0.197172728	0.843692372	0.999371363	Not Sig
ENSG00000166411	IDH3A	isocitrate dehydrogenase 3 (NAD(+)) alpha	3419	831.4739303	0.10415089	0.423124876	0.246146932	0.805568494	0.999371363	Not Sig

ENSG00000224281	SLC25A5-AS1	SLC25A5 antisense RNA 1	100303728	30.57783314	0.104372245	0.641787156	0.162627507	0.870811728	0.999371363	Not Sig
ENSG00000188092	GPR89B	G protein-coupled receptor 89B	51463	39.36869258	0.104403256	0.614424359	0.169920437	0.865072708	0.999371363	Not Sig
ENSG00000103494	RPGRIP1L	RPGRIP1 like	23322	306.5583268	0.104477785	0.657004351	0.159021451	0.873651973	0.999371363	Not Sig
ENSG00000183691	NOG	noggin	9241	45.94703309	0.104566009	0.854510273	0.122369516	0.90260638	0.999371363	Not Sig
ENSG00000174943	KCTD13	potassium channel tetramerization domain containing 13	253980	398.9983949	0.104718288	0.478320042	0.218929333	0.826705097	0.999371363	Not Sig
ENSG00000125124	BBS2	Bardet-Biedl syndrome 2	583	891.5404898	0.104760491	0.390094644	0.268551472	0.78827486	0.999371363	Not Sig
ENSG00000167315	ACAA2	acetyl-CoA acyltransferase 2	10449	579.5869655	0.104820041	0.502553003	0.208575095	0.834779954	0.999371363	Not Sig
ENSG00000243267	NA	NA	NA	8.135813694	0.10496781	1.02571245	0.102336488	0.918489594	0.999371363	Not Sig
ENSG00000168488	ATXN2L	ataxin 2 like	11273	3794.878847	0.104976091	0.414117748	0.253493339	0.799887008	0.999371363	Not Sig
ENSG00000142507	PSMB6	proteasome subunit beta 6	5694	748.3435006	0.105033001	0.42352069	0.247999693	0.804134645	0.999371363	Not Sig
ENSG00000211650	NA	NA	NA	19.84658648	0.105129366	1.005254561	0.104579845	0.916709208	0.999371363	Not Sig
ENSG00000187522	HSPA14	heat shock protein family A (Hsp70) member 14	51182	411.4122053	0.105240421	0.430913176	0.244226509	0.807055397	0.999371363	Not Sig
ENSG00000069248	NUP133	nucleoporin 133	55746	1384.128202	0.105279833	0.422040604	0.249454276	0.803009406	0.999371363	Not Sig
ENSG00000013275	PSMC4	proteasome 26S subunit, ATPase 4	5704	859.3853654	0.105302102	0.418349031	0.251708726	0.801266212	0.999371363	Not Sig
ENSG00000105364	MRPL4	mitochondrial ribosomal protein L4	51073	442.397342	0.105364948	0.584554233	0.180248371	0.856957586	0.999371363	Not Sig
ENSG00000189043	NDUFA4	NDUFA4, mitochondrial complex associated	4697	1362.649143	0.105453873	0.53389613	0.197517582	0.843422524	0.999371363	Not Sig
ENSG00000010704	HFE	hemochromatosis	3077	390.5835342	0.105510497	0.469513425	0.224723068	0.822194718	0.999371363	Not Sig
ENSG00000119203	CPSF3	cleavage and polyadenylation specific factor 3	51692	594.948244	0.105671637	0.559300812	0.188935247	0.850143568	0.999371363	Not Sig
ENSG00000224442	NA	NA	NA	21.37423896	0.105732499	0.742383371	0.142423043	0.886745862	0.999371363	Not Sig
ENSG00000188994	ZNF292	zinc finger protein 292	23036	3157.364938	0.105737088	0.628092916	0.168346251	0.86631089	0.999371363	Not Sig
ENSG00000074319	TSG101	tumor susceptibility 101	7251	1001.230862	0.105756717	0.406342095	0.260265226	0.794659194	0.999371363	Not Sig
ENSG00000169740	ZNF32	zinc finger protein 32	7580	306.8738502	0.1058883	0.55950552	0.189253361	0.849894247	0.999371363	Not Sig
ENSG00000264235	LOC104968399	uncharacterized LOC104968399	104968399	5.868752367	0.105895687	1.07494161	0.098512966	0.921524976	NA	NA
ENSG00000102580	DNAJC3	DnaJ heat shock protein family (Hsp40) member C3	5611	3949.854627	0.106001268	0.551495519	0.192206944	0.847580107	0.999371363	Not Sig
ENSG00000185000	DGAT1	diacylglycerol O-acyltransferase 1	8694	1029.801331	0.106061045	0.595877148	0.177991463	0.85872968	0.999371363	Not Sig
ENSG00000104980	TIMM44	translocase of inner mitochondrial membrane 44	10469	512.0782512	0.106150834	0.539649478	0.196703302	0.844059726	0.999371363	Not Sig
ENSG00000254741	NA	NA	NA	15.50424776	0.106235426	0.772845833	0.137460049	0.890667169	0.999371363	Not Sig
ENSG00000253051	SNORA31B	small nucleolar RNA, H/ACA box 31B	109616966	27.80548131	0.106257271	0.746102875	0.14241638	0.886751125	0.999371363	Not Sig
ENSG00000221479	MIR1251	microRNA 1251	100302289	1.702992763	0.106266712	2.226536355	0.047727364	0.961933525	NA	NA
ENSG00000066382	MPPED2	metallophosphoesterase domain containing 2	744	36.88228497	0.106537598	0.766322203	0.139024548	0.889430751	0.999371363	Not Sig
ENSG00000143570	SLC39A1	solute carrier family 39 member 1	27173	2266.131422	0.106667434	0.512905179	0.207967161	0.835254608	0.999371363	Not Sig
ENSG00000004866	ST7	suppression of tumorigenicity 7	7982	938.1221959	0.106764869	0.445797291	0.239491965	0.810724126	0.999371363	Not Sig
ENSG00000004866	ST7-OT3	ST7 overlapping transcript 3	93655	938.1221959	0.106764869	0.445797291	0.239491965	0.810724126	0.999371363	Not Sig
ENSG00000211857	NA	NA	NA	6.78570033	0.106859	1.339185787	0.079794007	0.936401091	0.999371363	Not Sig
ENSG00000223813	NA	NA	NA	28.72868565	0.106868661	1.030285059	0.103727274	0.917385782	0.999371363	Not Sig

ENSG00000105967	TFEC	transcription factor EC	22797	444.5327859	0.107049561	0.812053078	0.131825817	0.895122066	0.999371363	Not Sig
ENSG00000249565	NA	NA	NA	5.627989498	0.107150392	1.472523804	0.072766492	0.941991935	NA	NA
ENSG00000169136	ATF5	activating transcription factor 5	22809	405.0752618	0.107202365	0.442403906	0.242317853	0.808533882	0.999371363	Not Sig
ENSG00000137275	RIPK1	receptor interacting serine/threonine kinase 1	8737	1220.900481	0.107359999	0.433313209	0.24776535	0.804315965	0.999371363	Not Sig
ENSG00000065600	TMEM206	transmembrane protein 206	55248	185.2379414	0.107386784	0.447600137	0.239916782	0.810394771	0.999371363	Not Sig
ENSG00000237984	PTENP1	phosphatase and tensin homolog pseudogene 1	11191	5.517278102	0.10743464	1.139663109	0.094268771	0.924895657	NA	NA
ENSG00000164062	APEH	acylaminoacyl-peptide hydrolase	327	1479.509725	0.107492976	0.411224248	0.261397465	0.793786012	0.999371363	Not Sig
ENSG00000103429	BFAR	bifunctional apoptosis regulator	51283	1359.148505	0.107499976	0.421554294	0.255008613	0.798716447	0.999371363	Not Sig
ENSG00000118094	TREH	trehalase	11181	12.93929773	0.107660964	1.524616874	0.070615094	0.943704097	0.999371363	Not Sig
ENSG00000222190	NA	NA	NA	2.63153791	0.107715883	1.710172121	0.062985405	0.949778127	NA	NA
ENSG00000120555	NA	NA	NA	8.946456906	0.10772551	0.865076733	0.124527115	0.900897933	0.999371363	Not Sig
ENSG00000204956	PCDHGA1	protocadherin gamma subfamily A, 1	56114	26.72028716	0.107760112	0.907007196	0.118808442	0.90542712	0.999371363	Not Sig
ENSG00000113621	TXNDC15	thioredoxin domain containing 15	79770	908.8425032	0.107781653	0.501313679	0.214998427	0.829768545	0.999371363	Not Sig
ENSG00000197943	PLCG2	phospholipase C gamma 2	5336	1071.575365	0.107853197	0.645093373	0.167190055	0.867220509	0.999371363	Not Sig
ENSG00000240877	NA	NA	NA	6.902567297	0.107855985	0.982772265	0.109746672	0.912610285	0.999371363	Not Sig
ENSG00000130203	APOE	apolipoprotein E	348	6866.453598	0.107890165	0.872637257	0.123636899	0.901602775	0.999371363	Not Sig
ENSG00000267088	NA	NA	NA	1.31563881	0.107955438	2.425222798	0.044513617	0.964494998	NA	NA
ENSG00000172671	ZFAND4	zinc finger AN1-type containing 4	93550	329.0596716	0.108251361	0.419618981	0.257975367	0.796425918	0.999371363	Not Sig
ENSG00000188636	RTL6	retrotransposon Gag like 6	84247	1111.524698	0.108282752	0.526155229	0.20580001	0.836947133	0.999371363	Not Sig
ENSG00000162521	RBBP4	RB binding protein 4, chromatin remodeling factor	5928	4044.315849	0.108382179	0.536107585	0.202164979	0.839787751	0.999371363	Not Sig
ENSG00000207044	NA	NA	NA	6.659407676	0.108596109	1.117666245	0.097163272	0.922596735	0.999371363	Not Sig
ENSG00000207488	NA	NA	NA	4.4584049	0.108597746	1.264463293	0.085884459	0.931558266	NA	NA
ENSG00000229119	NA	NA	NA	10.66719554	0.108780929	0.977758458	0.111255422	0.911413804	0.999371363	Not Sig
ENSG00000188112	C6orf132	chromosome 6 open reading frame 132	647024	973.4423076	0.108918068	0.523110171	0.208212483	0.835063062	0.999371363	Not Sig
ENSG00000115234	SNX17	sorting nexin 17	9784	1612.62631	0.108953227	0.607989095	0.1792026	0.857778622	0.999371363	Not Sig
ENSG00000187650	VMAC	vimentin type intermediate filament associated coiled-coil protein	400673	148.0639439	0.109042701	0.617136808	0.176691294	0.85975088	0.999371363	Not Sig
ENSG00000181963	OR52K2	olfactory receptor family 52 subfamily K member 2	119774	4.895753534	0.109140459	1.390091735	0.078513134	0.937419883	NA	NA
ENSG00000211716	NA	NA	NA	4.732650705	0.109145866	1.22755335	0.088913338	0.929150783	NA	NA
ENSG00000234936	NA	NA	NA	8.481558585	0.10922532	0.943287454	0.11579219	0.90781724	0.999371363	Not Sig
ENSG00000214517	PPME1	protein phosphatase methylesterase 1	51400	874.3503913	0.109245122	0.472602231	0.231156594	0.81719315	0.999371363	Not Sig
ENSG00000218416	PP14571	uncharacterized LOC100130449	100130449	10.05690338	0.109285996	1.15451984	0.094659262	0.924585477	0.999371363	Not Sig
ENSG00000122566	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1	3181	12948.79911	0.10941784	0.458892647	0.238438861	0.81154073	0.999371363	Not Sig
ENSG00000227379	NA	NA	NA	9.513237052	0.109501316	0.873140305	0.125410905	0.900198255	0.999371363	Not Sig
ENSG00000272888	NA	NA	NA	3184.387872	0.109593018	0.560747734	0.195440857	0.845047834	0.999371363	Not Sig
ENSG00000258938	NA	NA	NA	18.98152232	0.109633318	0.786430791	0.139406187	0.889129183	0.999371363	Not Sig

ENSG00000164300	SERINC5	serine incorporator 5	256987	1169.750155	0.109648384	0.421005189	0.260444259	0.794521107	0.999371363	Not Sig
ENSG00000205629	LCMT1	leucine carboxyl methyltransferase 1	51451	395.8699614	0.109656355	0.404501785	0.271089915	0.786321878	0.999371363	Not Sig
ENSG00000106615	RHEB	Ras homolog, mTORC1 binding	6009	1480.306121	0.109712616	0.415318984	0.264164703	0.791653008	0.999371363	Not Sig
ENSG00000156261	CCT8	chaperonin containing TCPI subunit 8	10694	1638.52407	0.109826162	0.482141635	0.227788173	0.819810921	0.999371363	Not Sig
ENSG00000185561	TLCD2	TLC domain containing 2	727910	170.6075564	0.109848667	0.782458164	0.140389189	0.888352499	0.999371363	Not Sig
ENSG00000174684	B4GAT1	beta-1,4-glucuronyltransferase 1	11041	429.5099504	0.110012751	0.739625553	0.148741145	0.881757893	0.999371363	Not Sig
ENSG00000226721	NA	NA	NA	33.51198472	0.110323265	0.888018667	0.124235299	0.901128974	0.999371363	Not Sig
ENSG00000198919	DZIP3	DAZ interacting zinc finger protein 3	9666	573.3881745	0.110355111	0.476017404	0.231829992	0.816670061	0.999371363	Not Sig
ENSG00000170185	USP38	ubiquitin specific peptidase 38	84640	1154.878933	0.110527226	0.47958514	0.230464243	0.817731046	0.999371363	Not Sig
ENSG00000155846	PPARGC1B	PPARG coactivator 1 beta	133522	432.3826506	0.110659265	0.871503189	0.126975169	0.898960052	0.999371363	Not Sig
ENSG00000150712	MTMR12	myotubularin related protein 12	54545	1561.046152	0.110733994	0.434204972	0.255027007	0.79870224	0.999371363	Not Sig
ENSG00000229931	NA	NA	NA	42.49408092	0.110736116	0.686765575	0.161242964	0.871902044	0.999371363	Not Sig
ENSG00000130684	ZNF337	zinc finger protein 337	26152	548.0084239	0.110867248	0.46277919	0.239568352	0.810664902	0.999371363	Not Sig
ENSG00000110768	GTF2H1	general transcription factor IIH subunit 1	2965	854.781175	0.110891067	0.439239947	0.252461252	0.80068456	0.999371363	Not Sig
ENSG00000157020	SEC13	SEC13 homolog, nuclear pore and COP1 coat complex component	6396	1610.588351	0.110955602	0.461484622	0.240431852	0.809995488	0.999371363	Not Sig
ENSG00000178860	MSC	musculin	9242	106.4482784	0.110993686	0.641275183	0.173082772	0.862586366	0.999371363	Not Sig
ENSG00000067248	DHX29	DExH-box helicase 29	54505	1213.004156	0.111014318	0.46758367	0.23742129	0.812329975	0.999371363	Not Sig
ENSG00000047249	ATP6V1H	ATPase H+ transporting V1 subunit H	51606	918.2576836	0.111245388	0.475336808	0.234034869	0.814957909	0.999371363	Not Sig
ENSG00000170396	ZNF804A	zinc finger protein 804A	91752	21.62806528	0.111246346	0.829343939	0.13413777	0.893293634	0.999371363	Not Sig
ENSG00000228502	NA	NA	NA	44.56419955	0.111332633	0.628035695	0.177271186	0.859295382	0.999371363	Not Sig
ENSG00000215302	NA	NA	NA	111.5009056	0.111353924	0.576287276	0.193226415	0.846781652	0.999371363	Not Sig
ENSG00000229497	NA	NA	NA	5.327749834	0.111844929	1.129984364	0.098979183	0.921154799	NA	NA
ENSG00000262026	NA	NA	NA	9.190789932	0.111890624	0.960871458	0.116447027	0.907298267	0.999371363	Not Sig
ENSG00000125450	NUP85	nucleoporin 85	79902	824.1252829	0.111967633	0.473500865	0.236467642	0.813069814	0.999371363	Not Sig
ENSG00000158955	WNT9B	Wnt family member 9B	7484	9.831951868	0.111984111	1.659925043	0.067463354	0.946212835	0.999371363	Not Sig
ENSG00000137203	TFAP2A	transcription factor AP-2 alpha	7020	301.5274783	0.112044678	1.01058205	0.110871431	0.9117183	0.999371363	Not Sig
ENSG00000115839	RAB3GAP1	RAB3 GTPase activating protein catalytic subunit 1	22930	1914.683563	0.112045158	0.415117546	0.269911881	0.787228047	0.999371363	Not Sig
ENSG00000165724	ZMYND19	zinc finger MYND-type containing 19	116225	299.0754943	0.112183387	0.551988877	0.203234869	0.83895146	0.999371363	Not Sig
ENSG00000079974	RABL2B	RAB, member of RAS oncogene family like 2B	11158	512.5423484	0.112246471	0.623831537	0.179930742	0.857206941	0.999371363	Not Sig
ENSG00000106526	ACTR3C	ARP3 actin related protein 3 homolog C	653857	312.9669768	0.112292514	0.537932482	0.208748342	0.8346447	0.999371363	Not Sig
ENSG00000250321	NA	NA	NA	5.786918782	0.112372266	1.041524595	0.107892091	0.914081291	NA	NA
ENSG00000120265	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	5110	695.004553	0.112412541	0.398979074	0.281750469	0.778134853	0.999371363	Not Sig
ENSG00000220023	NA	NA	NA	560.5077546	0.112449965	0.789149827	0.142495077	0.886688968	0.999371363	Not Sig
ENSG00000064961	HMG20B	high mobility group 20B	10362	1316.453495	0.112484914	0.619165789	0.181671721	0.85584036	0.999371363	Not Sig
ENSG00000188643	S100A16	S100 calcium binding protein A16	140576	1373.019037	0.112629262	0.557850112	0.201898789	0.839995849	0.999371363	Not Sig

ENSG00000213839	NA	NA	NA	2.405526285	0.112644506	1.564411869	0.072004379	0.942598423	NA	NA
ENSG00000163904	SENP2	SUMO1/sentrin/SMT3 specific peptidase 2	59343	1136.182356	0.112656799	0.387456619	0.290759773	0.771235053	0.999371363	Not Sig
ENSG00000185641	NA	NA	NA	12.26061234	0.112724625	0.90022089	0.125218851	0.900350294	0.999371363	Not Sig
ENSG00000160055	TMEM234	transmembrane protein 234	56063	401.9309606	0.11272957	0.432826099	0.26045003	0.794516656	0.999371363	Not Sig
ENSG00000252817	NA	NA	NA	43.67841104	0.112762848	0.55556052	0.202971312	0.839157455	0.999371363	Not Sig
ENSG00000176393	RNPEP	arginyl aminopeptidase	6051	2101.555488	0.112847761	0.571707679	0.19738717	0.843524569	0.999371363	Not Sig
ENSG00000252769	NA	NA	NA	1.593161618	0.112930363	2.660615462	0.042445203	0.966143794	NA	NA
ENSG00000257270	NA	NA	NA	3.994343067	0.113040484	1.367269411	0.082676086	0.9341091	NA	NA
ENSG00000207949	NA	NA	NA	12.12618681	0.113069595	1.010161739	0.11193217	0.910877189	0.999371363	Not Sig
ENSG00000204628	RACK1	receptor for activated C kinase 1	10399	10475.30486	0.113271796	0.479942939	0.236010964	0.813424162	0.999371363	Not Sig
ENSG00000221625	NA	NA	NA	20.72037201	0.113281597	0.847565017	0.133655347	0.893675116	0.999371363	Not Sig
ENSG00000198894	CIPC	CLOCK interacting pacemaker	85457	660.9628199	0.113435119	0.420923462	0.269491082	0.787551804	0.999371363	Not Sig
ENSG00000082175	PGR	progesterone receptor	5241	220.3437292	0.113511966	0.636713412	0.178277956	0.85850469	0.999371363	Not Sig
ENSG00000242193	CRYZL2P	crystallin zeta like 2, pseudogene	730102	276.8257757	0.113526685	0.551199639	0.205962916	0.836819879	0.999371363	Not Sig
ENSG00000131379	C3orf20	chromosome 3 open reading frame 20	84077	12.79598126	0.113613879	1.02136629	0.111237154	0.91142829	0.999371363	Not Sig
ENSG00000212482	NA	NA	NA	3.387830032	0.113628352	1.546872699	0.073456822	0.941442602	NA	NA
ENSG00000123338	NCKAP1L	NCK associated protein 1 like	3071	1583.263812	0.113642173	0.831755899	0.136629236	0.891323866	0.999371363	Not Sig
ENSG00000079335	CDC14A	cell division cycle 14A	8556	459.4436257	0.11364915	0.616740486	0.18427386	0.85379862	0.999371363	Not Sig
ENSG00000136888	ATP6V1G1	ATPase H+ transporting V1 subunit G1	9550	1253.562391	0.113763445	0.446412131	0.254839501	0.798847065	0.999371363	Not Sig
ENSG00000169612	FAM103A1	family with sequence similarity 103 member A1	83640	232.6929421	0.113916269	0.421791319	0.270077321	0.787100769	0.999371363	Not Sig
ENSG00000053254	FOXN3	forkhead box N3	1112	3000.537868	0.114068017	0.502522779	0.226990739	0.820430943	0.999371363	Not Sig
ENSG00000128011	LRFN1	leucine rich repeat and Fibronectin type III domain containing 1	57622	63.20534611	0.114263648	0.893336734	0.127906581	0.898222903	0.999371363	Not Sig
ENSG00000140332	TLE3	transducin like enhancer of split 3	7090	2865.591986	0.11434878	0.488178433	0.234235624	0.81480206	0.999371363	Not Sig
ENSG00000270878	NA	NA	NA	36.67940071	0.114501878	0.745972481	0.153493435	0.878009167	0.999371363	Not Sig
ENSG00000115137	DNAJC27	DnaJ heat shock protein family (Hsp40) member C27	51277	209.7206218	0.114676353	0.434306795	0.264044574	0.791745572	0.999371363	Not Sig
ENSG00000167193	CRK	CRK proto-oncogene, adaptor protein	1398	1807.67117	0.114803729	0.440158503	0.260823607	0.794228538	0.999371363	Not Sig
ENSG00000050767	COL23A1	collagen type XXIII alpha 1 chain	91522	55.91073278	0.11490259	0.762074453	0.150776068	0.880152365	0.999371363	Not Sig
ENSG00000164172	MOCS2	molybdenum cofactor synthesis 2	4338	508.0355159	0.114970975	0.468843823	0.24522233	0.806284287	0.999371363	Not Sig
ENSG00000125818	PSMF1	proteasome inhibitor subunit 1	9491	1646.916254	0.115314354	0.531748958	0.216858636	0.828318514	0.999371363	Not Sig
ENSG00000116580	GON4L	gon-4 like	54856	2437.264979	0.115568255	0.459042724	0.251759256	0.801227152	0.999371363	Not Sig
ENSG00000118162	KPTN	kaptin, actin binding protein	11133	112.1689894	0.115725826	0.671237649	0.172406637	0.863117854	0.999371363	Not Sig
ENSG00000170421	KRT8	keratin 8	3856	10277.90117	0.11582623	0.479429906	0.241591584	0.809096644	0.999371363	Not Sig
ENSG00000205726	ITSN1	intersectin 1	6453	1051.355173	0.115928442	0.390480862	0.296886361	0.766553269	0.999371363	Not Sig
ENSG00000115594	IL1R1	interleukin 1 receptor type 1	3554	3488.926559	0.116041117	0.475395008	0.2440941	0.807157942	0.999371363	Not Sig
ENSG00000136238	RAC1	Rac family small GTPase 1	5879	5627.353883	0.116192615	0.457593042	0.253921288	0.799556368	0.999371363	Not Sig

ENSG00000261534	NA	NA	NA	61.33894628	0.116390499	0.825179513	0.141048702	0.887831469	0.999371363	Not Sig
ENSG00000221792	MIR1282	microRNA 1282	100302254	8.827464667	0.116432702	0.926752995	0.125635096	0.90002078	0.999371363	Not Sig
ENSG00000198862	LTN1	listerin E3 ubiquitin protein ligase 1	26046	1727.547587	0.116540319	0.495155245	0.235361173	0.813928419	0.999371363	Not Sig
ENSG00000259288	BUB1B-PAK6	BUB1B-PAK6 readthrough	106821730	2.851692914	0.116670847	1.678651245	0.069502732	0.944589458	NA	NA
ENSG00000229980	TOB1-AS1	TOB1 antisense RNA 1	400604	41.18253615	0.116777365	0.562555881	0.207583583	0.835554124	0.999371363	Not Sig
ENSG00000155008	APOOL	apolipoprotein O like	139322	197.1212328	0.116788844	0.673781376	0.173333441	0.86238934	0.999371363	Not Sig
ENSG00000140057	AK7	adenylate kinase 7	122481	150.4105485	0.116911209	0.560784738	0.208477872	0.834855859	0.999371363	Not Sig
ENSG00000188938	FAM120AOS	family with sequence similarity 120A opposite strand	158293	902.6022081	0.1169489	0.423131434	0.276389062	0.782249257	0.999371363	Not Sig
ENSG00000124313	IQSEC2	IQ motif and Sec7 domain 2	23096	666.8610595	0.117400462	0.540626932	0.217156148	0.828086658	0.999371363	Not Sig
ENSG00000254418	NA	NA	NA	8.974764991	0.117486881	0.967025603	0.121493041	0.903300526	0.999371363	Not Sig
ENSG00000198554	WDHD1	WD repeat and HMG-box DNA binding protein 1	11169	300.732568	0.11775738	0.891202966	0.132133065	0.894879043	0.999371363	Not Sig
ENSG00000181908	LOC100996455	uncharacterized LOC100996455	100996455	3.781826474	0.11778506	1.390878074	0.084683957	0.93251265	NA	NA
ENSG00000175745	NR2F1	nuclear receptor subfamily 2 group F member 1	7025	1224.218694	0.117875879	0.724769894	0.162639039	0.870802648	0.999371363	Not Sig
ENSG00000176209	SMIM19	small integral membrane protein 19	114926	278.4781167	0.117923874	0.678508169	0.173798753	0.862023624	0.999371363	Not Sig
ENSG00000116213	WRAP73	WD repeat containing, antisense to TP73	49856	408.2539023	0.118069317	0.450889546	0.261858625	0.793430439	0.999371363	Not Sig
ENSG00000182704	TSKU	tsukushi, small leucine rich proteoglycan	25987	823.8300794	0.118073955	0.718919272	0.164238128	0.869543687	0.999371363	Not Sig
ENSG00000133028	SCO1	SCO1, cytochrome c oxidase assembly protein	6341	445.8861653	0.118198445	0.415302865	0.284607824	0.775944616	0.999371363	Not Sig
ENSG00000115840	SLC25A12	solute carrier family 25 member 12	8604	381.681468	0.118219026	0.391047807	0.302313488	0.762413097	0.999371363	Not Sig
ENSG00000138760	SCARB2	scavenger receptor class B member 2	950	6597.048485	0.118228899	0.418682024	0.28238351	0.777649458	0.999371363	Not Sig
ENSG00000072952	MRVI1	murine retrovirus integration site 1 homolog	10335	666.3364544	0.11866726	0.531634934	0.223211931	0.823370567	0.999371363	Not Sig
ENSG00000103275	UBE2I	ubiquitin conjugating enzyme E2 I	7329	1701.565737	0.118716479	0.414735023	0.286246572	0.774689276	0.999371363	Not Sig
ENSG00000217555	CKLF	chemokine like factor	51192	127.6655875	0.118809521	0.67646479	0.175632971	0.860582298	0.999371363	Not Sig
ENSG00000233406	NA	NA	NA	1.763654142	0.118820973	1.680748094	0.070695289	0.94364027	NA	NA
ENSG00000149636	DSN1	DSN1 homolog, MIS12 kinetochore complex component	79980	296.7046355	0.118838462	0.67051795	0.177233826	0.859324727	0.999371363	Not Sig
ENSG00000088812	ATRNL	attractin	8455	2321.937681	0.119074694	0.386937765	0.307736036	0.758283196	0.999371363	Not Sig
ENSG00000011132	APBA3	amyloid beta precursor protein binding family A member 3	9546	409.337744	0.119088655	0.62743346	0.189802844	0.849463628	0.999371363	Not Sig
ENSG00000157540	DYRK1A	dual specificity tyrosine phosphorylation regulated kinase 1A	1859	3180.890594	0.11923373	0.378414329	0.315087778	0.752695008	0.999371363	Not Sig
ENSG00000138303	ASCC1	activating signal cointegrator 1 complex subunit 1	51008	429.4272038	0.11926563	0.406598212	0.293325514	0.769273353	0.999371363	Not Sig
ENSG00000106591	MRPL32	mitochondrial ribosomal protein L32	64983	485.4175664	0.119333533	0.5535561	0.215576223	0.829318092	0.999371363	Not Sig
ENSG00000121570	DPPA4	developmental pluripotency associated 4	55211	1.322076346	0.119696721	2.423938203	0.049381094	0.960615594	NA	NA
ENSG00000244006	NA	NA	NA	1.322076346	0.119696721	2.423938203	0.049381094	0.960615594	NA	NA
ENSG00000149823	VPS51	VPS51, GARP complex subunit	738	1786.684593	0.119845868	0.628620963	0.190648857	0.84880071	0.999371363	Not Sig
ENSG00000138185	ENTPDI	ectonucleoside triphosphate diphosphohydrolase 1	953	1152.747157	0.119896405	0.593926443	0.201870798	0.840017732	0.999371363	Not Sig
ENSG00000143436	MRPL9	mitochondrial ribosomal protein L9	65005	504.9293503	0.119912078	0.451877316	0.265364233	0.790728886	0.999371363	Not Sig
ENSG00000238964	NA	NA	NA	2.410375408	0.120050053	1.73390298	0.069236892	0.944801058	NA	NA

ENSG00000169715	MT1E	metallothionein 1E	4493	798.1506305	0.120260045	0.872815224	0.137784083	0.890411064	0.999371363	Not Sig
ENSG00000167114	SLC27A4	solute carrier family 27 member 4	10999	580.4311126	0.120271703	0.586609791	0.205028462	0.837549888	0.999371363	Not Sig
ENSG00000175198	PCCA	propionyl-CoA carboxylase alpha subunit	5095	686.7330122	0.120291624	0.526213079	0.228598696	0.819180838	0.999371363	Not Sig
ENSG00000261288	NA	NA	NA	2.092384079	0.120311379	1.557643023	0.077239378	0.938433116	NA	NA
ENSG00000266155	NA	NA	NA	2.092384079	0.120311379	1.557643023	0.077239378	0.938433116	NA	NA
ENSG00000204469	PRRC2A	proline rich coiled-coil 2A	7916	8101.121904	0.120340045	0.454024754	0.265051727	0.790969614	0.999371363	Not Sig
ENSG00000114503	NCBP2	nuclear cap binding protein subunit 2	22916	1055.076469	0.120421087	0.478340668	0.251747541	0.801236207	0.999371363	Not Sig
ENSG00000050748	MAPK9	mitogen-activated protein kinase 9	5601	1290.576263	0.120548539	0.461427918	0.261251073	0.793898895	0.999371363	Not Sig
ENSG00000186376	ZNF75D	zinc finger protein 75D	7626	621.9405187	0.120677471	0.473191407	0.255028872	0.7987008	0.999371363	Not Sig
ENSG00000090470	PDCD7	programmed cell death 7	10081	593.5302807	0.120836671	0.497049547	0.243107899	0.807921812	0.999371363	Not Sig
ENSG00000198553	KCNRG	potassium channel regulator	283518	6.326365767	0.121029696	1.230776978	0.098336009	0.921665486	NA	NA
ENSG00000160714	UBE2Q1	ubiquitin conjugating enzyme E2 Q1	55585	1539.141042	0.121206492	0.438761751	0.276246715	0.78235858	0.999371363	Not Sig
ENSG00000253647	CTD-227OF17.1	uncharacterized LOC101928033	101928033	8.994082981	0.121239047	1.035004776	0.117138635	0.906750194	0.999371363	Not Sig
ENSG00000138696	BMPRI1B	bone morphogenetic protein receptor type 1B	658	146.7868815	0.121247606	0.552045624	0.219633307	0.826156749	0.999371363	Not Sig
ENSG00000163125	RPRD2	regulation of nuclear pre-mRNA domain containing 2	23248	2174.95385	0.121313025	0.438217782	0.276832731	0.781908547	0.999371363	Not Sig
ENSG00000124535	WRNIP1	Werner helicase interacting protein 1	56897	1308.073722	0.121465673	0.53260467	0.228059722	0.819599812	0.999371363	Not Sig
ENSG00000137944	KYAT3	kynurenine aminotransferase 3	56267	354.5468002	0.121505385	0.683629657	0.177735685	0.858930559	0.999371363	Not Sig
ENSG00000260946	NA	NA	NA	5.351363514	0.121751866	1.174924487	0.103625269	0.917466734	NA	NA
ENSG00000165792	METTL17	methyltransferase like 17	64745	573.4163509	0.121856177	0.449406377	0.271149194	0.786276287	0.999371363	Not Sig
ENSG00000108510	MED13	mediator complex subunit 13	9969	5024.113323	0.121931995	0.478985804	0.254562858	0.799060749	0.999371363	Not Sig
ENSG00000267549	NA	NA	NA	6.340381379	0.121959377	1.235933413	0.098677951	0.921393976	NA	NA
ENSG00000258900	NA	NA	NA	24.70206896	0.121967515	0.616588205	0.197810328	0.843193466	0.999371363	Not Sig
ENSG00000243646	IL10RB	interleukin 10 receptor subunit beta	3588	553.8461963	0.122062707	0.429047751	0.284496788	0.776029695	0.999371363	Not Sig
ENSG00000213368	NA	NA	NA	1.817877985	0.122070069	1.878542955	0.06498125	0.948188929	NA	NA
ENSG00000100911	PSME2	proteasome activator subunit 2	5721	1566.651207	0.12207809	0.507502469	0.24054679	0.809906395	0.999371363	Not Sig
ENSG00000206723	NA	NA	NA	0.853713439	0.122217994	3.179985843	0.038433502	0.96934205	NA	NA
ENSG00000221055	MIR1302-3	microRNA 1302-3	100302128	0.853713439	0.122217994	3.179985843	0.038433502	0.96934205	NA	NA
ENSG00000266867	NA	NA	NA	0.853713439	0.122217994	3.179985843	0.038433502	0.96934205	NA	NA
ENSG00000086061	DNAJA1	DnaJ heat shock protein family (Hsp40) member A1	3301	2772.297949	0.122229897	0.460901985	0.265197158	0.790857584	0.999371363	Not Sig
ENSG00000106018	VIPR2	vasoactive intestinal peptide receptor 2	7434	25.46738274	0.122474485	1.093615862	0.111990406	0.910831013	0.999371363	Not Sig
ENSG00000136279	DBNL	drebrin like	28988	3431.256893	0.122507466	0.485354195	0.25240838	0.800725423	0.999371363	Not Sig
ENSG00000171970	ZNF57	zinc finger protein 57	126295	89.33710764	0.122541705	0.629604302	0.19463289	0.845680353	0.999371363	Not Sig
ENSG00000185651	UBE2L3	ubiquitin conjugating enzyme E2 L3	7332	1286.933554	0.122611658	0.46448033	0.263975996	0.791798415	0.999371363	Not Sig
ENSG00000125977	EIF2S2	eukaryotic translation initiation factor 2 subunit beta	8894	1753.840254	0.122804471	0.413757425	0.296803061	0.766616868	0.999371363	Not Sig
ENSG00000095794	CREM	cAMP responsive element modulator	1390	469.1831228	0.122918474	0.425001596	0.289218852	0.772413906	0.999371363	Not Sig

ENSG00000122484	RPAP2	RNA polymerase II associated protein 2	79871	800.6062338	0.123016742	0.542899528	0.226592095	0.820740939	0.999371363	Not Sig
ENSG00000177600	RPLP2	ribosomal protein lateral stalk subunit P2	6181	6483.602054	0.123155059	0.404612772	0.304377585	0.760840242	0.999371363	Not Sig
ENSG00000269971	NA	NA	NA	19.37720859	0.123200119	0.724082084	0.170146619	0.864894831	0.999371363	Not Sig
ENSG00000160310	PRMT2	protein arginine methyltransferase 2	3275	1793.299492	0.123216953	0.520865362	0.236562002	0.812996602	0.999371363	Not Sig
ENSG00000270077	NA	NA	NA	7.842515452	0.123271013	1.108826072	0.111172542	0.911479525	0.999371363	Not Sig
ENSG00000167468	GPX4	glutathione peroxidase 4	2879	2579.112764	0.123505343	0.453408805	0.272392908	0.785319925	0.999371363	Not Sig
ENSG00000143369	ECM1	extracellular matrix protein 1	1893	395.0626201	0.123615079	0.575460547	0.214810693	0.829914916	0.999371363	Not Sig
ENSG00000171960	PPIH	peptidylprolyl isomerase H	10465	259.0664459	0.123638778	0.482517615	0.256236817	0.797767981	0.999371363	Not Sig
ENSG00000126756	UXT	ubiquitously expressed prefoldin like chaperone	8409	396.8068576	0.123641689	0.493104234	0.250741487	0.802013983	0.999371363	Not Sig
ENSG00000141968	VAV1	vav guanine nucleotide exchange factor 1	7409	628.5095856	0.123716826	0.66423943	0.186253361	0.85224608	0.999371363	Not Sig
ENSG00000162385	MAGOH	mago homolog, exon junction complex core component	4116	226.6321	0.123789828	0.57155568	0.216584023	0.828532538	0.999371363	Not Sig
ENSG00000255027	NA	NA	NA	0.964164545	0.12379371	3.064227501	0.040399647	0.967774512	NA	NA
ENSG00000252396	NA	NA	NA	6.935176455	0.123955331	1.051884633	0.117841184	0.906193497	0.999371363	Not Sig
ENSG00000254087	LYN	LYN proto-oncogene, Src family tyrosine kinase	4067	1845.437465	0.124038546	0.469611268	0.264130259	0.791679548	0.999371363	Not Sig
ENSG00000203756	TMEM244	transmembrane protein 244	253582	1.121781998	0.12404046	2.51774211	0.049266547	0.960706879	NA	NA
ENSG00000213609	NA	NA	NA	1.121781998	0.12404046	2.51774211	0.049266547	0.960706879	NA	NA
ENSG00000131584	ACAP3	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	116983	1160.41807	0.124062619	0.609062356	0.203694446	0.838592283	0.999371363	Not Sig
ENSG00000118242	MREG	melanoregulin	55686	330.5737157	0.124092903	0.537674928	0.230795406	0.817473751	0.999371363	Not Sig
ENSG00000211859	NA	NA	NA	9.545307969	0.124222331	1.400473495	0.088700237	0.929320144	0.999371363	Not Sig
ENSG00000176986	SEC24C	SEC24 homolog C, COPII coat complex component	9632	2769.138118	0.124295727	0.378494772	0.328394833	0.742613149	0.999371363	Not Sig
ENSG00000099769	IGFALS	insulin like growth factor binding protein acid labile subunit	3483	54.42437247	0.124316423	0.950221044	0.130828952	0.895910619	0.999371363	Not Sig
ENSG00000152234	ATP5A1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	498	4784.158101	0.124686058	0.412306829	0.302410848	0.762338886	0.999371363	Not Sig
ENSG00000037637	FBX042	F-box protein 42	54455	1040.460077	0.124698095	0.425539518	0.293035286	0.76949518	0.999371363	Not Sig
ENSG00000176903	PNMA1	PNMA family member 1	9240	549.5376874	0.124702429	0.516011829	0.241665834	0.809039105	0.999371363	Not Sig
ENSG00000110200	ANAPC15	anaphase promoting complex subunit 15	25906	206.4592111	0.124704341	0.596568827	0.209035966	0.834420162	0.999371363	Not Sig
ENSG00000162542	TMCO4	transmembrane and coiled-coil domains 4	255104	859.2405843	0.124795305	0.477649967	0.261269368	0.793884787	0.999371363	Not Sig
ENSG00000065308	TRAM2	translocation associated membrane protein 2	9697	1322.461819	0.125135122	0.447068106	0.279901699	0.779552924	0.999371363	Not Sig
ENSG00000125995	ROMO1	reactive oxygen species modulator 1	140823	477.4291106	0.125716242	0.515853084	0.243705517	0.807458901	0.999371363	Not Sig
ENSG00000115827	DCAF17	DDB1 and CUL4 associated factor 17	80067	431.3625903	0.12583911	0.509003569	0.24722638	0.80473303	0.999371363	Not Sig
ENSG00000074621	SLC24A1	solute carrier family 24 member 1	9187	438.7610051	0.125911451	0.398733199	0.315778699	0.752170487	0.999371363	Not Sig
ENSG00000265559	NA	NA	NA	5.867153057	0.125961472	1.067810472	0.117962387	0.90609746	NA	NA
ENSG00000115041	KCNIP3	potassium voltage-gated channel interacting protein 3	30818	106.7966626	0.126018443	0.873836037	0.144212916	0.885332342	0.999371363	Not Sig
ENSG00000143751	SDE2	SDE2 telomere maintenance homolog	163859	915.6476952	0.126075051	0.385636905	0.326926829	0.743723228	0.999371363	Not Sig
ENSG00000126088	UROD	uroporphyrinogen decarboxylase	7389	584.4153831	0.126084915	0.554347996	0.227447229	0.820075999	0.999371363	Not Sig
ENSG00000188827	SLX4	SLX4 structure-specific endonuclease subunit	84464	530.6514491	0.12609031	0.483746182	0.26065386	0.794359451	0.999371363	Not Sig

ENSG00000266865	NA	NA	NA	74.64172581	0.126110416	0.516519994	0.244153987	0.807111562	0.999371363	Not Sig
ENSG00000233025	NA	NA	NA	2.456733415	0.126316314	1.526599885	0.082743563	0.934055445	NA	NA
ENSG00000049860	HEXB	hexosaminidase subunit beta	3074	2662.434709	0.126516234	0.476896568	0.265290719	0.790785513	0.999371363	Not Sig
ENSG00000133138	TBC1D8B	TBC1 domain family member 8B	54885	569.7287516	0.126928395	0.681318033	0.186298306	0.852210836	0.999371363	Not Sig
ENSG00000204315	FKBPL	FK506 binding protein like	63943	118.721702	0.126951341	0.58900607	0.215534861	0.829350336	0.999371363	Not Sig
ENSG00000263432	NA	NA	NA	21.94621906	0.126968259	0.750735534	0.169125149	0.865698204	0.999371363	Not Sig
ENSG00000113845	TIMMDC1	translocase of inner mitochondrial membrane domain containing 1	51300	800.1388424	0.126978202	0.421993948	0.300900529	0.763490347	0.999371363	Not Sig
ENSG00000169964	TMEM42	transmembrane protein 42	131616	207.0200569	0.127087078	0.422781957	0.300597212	0.763721658	0.999371363	Not Sig
ENSG00000177042	TMEM80	transmembrane protein 80	283232	421.2426097	0.127088082	0.569587309	0.223123093	0.823439706	0.999371363	Not Sig
ENSG00000136715	SAP130	Sin3A associated protein 130	79595	656.5809424	0.12739643	0.461416413	0.27609861	0.782472328	0.999371363	Not Sig
ENSG00000156531	PHF6	PHD finger protein 6	84295	719.0485917	0.127561223	0.634086037	0.201173368	0.840563015	0.999371363	Not Sig
ENSG00000168569	TMEM223	transmembrane protein 223	79064	211.4447471	0.127816796	0.469081246	0.272483279	0.785250447	0.999371363	Not Sig
ENSG00000225264	NA	NA	NA	91.01657259	0.127895752	0.679046607	0.188346059	0.850605381	0.999371363	Not Sig
ENSG00000181938	GIN3	GIN5 complex subunit 3	64785	80.14847224	0.128022426	0.646185068	0.198120372	0.842950886	0.999371363	Not Sig
ENSG00000151208	DLG5	discs large MAGUK scaffold protein 5	9231	2171.340586	0.128031708	0.534465184	0.239551072	0.810678299	0.999371363	Not Sig
ENSG00000118690	ARMC2	armadillo repeat containing 2	84071	185.0768431	0.128186682	0.463692694	0.276447491	0.782204385	0.999371363	Not Sig
ENSG00000156304	SCAF4	SR-related CTD associated factor 4	57466	1474.561384	0.128231433	0.455556492	0.281483054	0.778339924	0.999371363	Not Sig
ENSG00000135750	KCNK1	potassium two pore domain channel subfamily K member 1	3775	724.5827673	0.128233603	0.806902726	0.158920771	0.873731296	0.999371363	Not Sig
ENSG00000265996	MIR3671	microRNA 3671	100500854	23.0371357	0.128272097	0.79884146	0.160572658	0.872429991	0.999371363	Not Sig
ENSG00000172785	CBWD1	COBW domain containing 1	55871	377.1474352	0.128319508	0.453101476	0.283202581	0.77702155	0.999371363	Not Sig
ENSG00000172785	CBWD2	COBW domain containing 2	150472	377.1474352	0.128319508	0.453101476	0.283202581	0.77702155	0.999371363	Not Sig
ENSG00000197056	ZMYM1	zinc finger MYM-type containing 1	79830	496.7162058	0.128403574	0.671953308	0.191090024	0.848455064	0.999371363	Not Sig
ENSG00000260793	NA	NA	NA	67.68732885	0.128431413	0.51810775	0.247885528	0.804222977	0.999371363	Not Sig
ENSG00000163961	RNF168	ring finger protein 168	165918	1285.867421	0.128599868	0.485035971	0.265134703	0.790905694	0.999371363	Not Sig
ENSG00000223947	NA	NA	NA	2.333407238	0.128605555	1.752280673	0.07339324	0.941493197	NA	NA
ENSG00000207813	MIR605	microRNA 605	693190	11.22537559	0.128652221	0.849536438	0.151438144	0.879630102	0.999371363	Not Sig
ENSG00000091542	ALKBH5	alkB homolog 5, RNA demethylase	54890	2359.210437	0.128810204	0.443138634	0.290676989	0.771298372	0.999371363	Not Sig
ENSG00000184635	ZNF93	zinc finger protein 93	81931	130.4218408	0.128868381	0.620998728	0.207517947	0.835605378	0.999371363	Not Sig
ENSG00000259645	NA	NA	NA	6.446521592	0.128893551	1.271871084	0.101341679	0.919279231	NA	NA
ENSG00000149100	EIF3M	eukaryotic translation initiation factor 3 subunit M	10480	1543.408206	0.128899683	0.3917856	0.329005668	0.742151404	0.999371363	Not Sig
ENSG00000196205	NA	NA	NA	383.9014021	0.128910928	0.459317005	0.28065786	0.778972833	0.999371363	Not Sig
ENSG00000011114	BTBD7	BTB domain containing 7	55727	1585.801076	0.12894969	0.441598599	0.292006565	0.770281605	0.999371363	Not Sig
ENSG00000154380	ENAH	ENAH, actin regulator	55740	4423.607527	0.129081168	0.487112194	0.264992684	0.791015097	0.999371363	Not Sig
ENSG00000135521	LTV1	LTV1 ribosome biogenesis factor	84946	445.2906338	0.129138285	0.433874199	0.297639926	0.765977998	0.999371363	Not Sig
ENSG00000142599	RERE	arginine-glutamic acid dipeptide repeats	473	5543.047809	0.129224452	0.502752154	0.257034109	0.797152443	0.999371363	Not Sig

ENSG00000155438	NIFK	nucleolar protein interacting with the FHA domain of MK167	84365	438.6364661	0.129427351	0.545444925	0.237287661	0.812433634	0.999371363	Not Sig
ENSG00000198863	RUNDC1	RUN domain containing 1	146923	746.9864368	0.129505148	0.428645199	0.302126673	0.76255555	0.999371363	Not Sig
ENSG00000186222	BLOC1S4	biogenesis of lysosomal organelles complex 1 subunit 4	55330	220.0317264	0.129685716	0.460561952	0.281581481	0.778264442	0.999371363	Not Sig
ENSG00000175305	CCNE2	cyclin E2	9134	125.4697018	0.129891245	1.028715185	0.126265508	0.899521759	0.999371363	Not Sig
ENSG00000237188	NA	NA	NA	92.79567236	0.129905564	0.563591333	0.230496028	0.81770635	0.999371363	Not Sig
ENSG00000116489	CAPZA1	capping actin protein of muscle Z-line alpha subunit 1	829	2977.72783	0.130063547	0.617351662	0.210679837	0.833137109	0.999371363	Not Sig
ENSG00000177144	NA	NA	NA	3.730160574	0.130173754	1.62426116	0.080143364	0.936123234	NA	NA
ENSG00000148396	SEC16A	SEC16 homolog A, endoplasmic reticulum export factor	9919	6204.485403	0.130174212	0.520287167	0.250196854	0.802435118	0.999371363	Not Sig
ENSG00000155016	CYP2U1	cytochrome P450 family 2 subfamily U member 1	113612	305.526194	0.130442422	0.639436766	0.203995812	0.838356772	0.999371363	Not Sig
ENSG00000163113	NA	NA	NA	1762.850251	0.130667297	0.49275225	0.265178489	0.790871965	0.999371363	Not Sig
ENSG00000137601	NEK1	NIMA related kinase 1	4750	663.0167445	0.130717715	0.414797218	0.315136431	0.752658069	0.999371363	Not Sig
ENSG00000100014	SPECC1L	sperm antigen with calponin homology and coiled-coil domains 1 like	23384	834.3523889	0.130935122	0.578880642	0.226186735	0.821056187	0.999371363	Not Sig
ENSG00000233673	ANAPC1P1	anaphase promoting complex subunit 1 pseudogene 1	100286979	5.898483238	0.130941611	1.45898698	0.089748307	0.928487227	NA	NA
ENSG00000125352	RNF113A	ring finger protein 113A	7737	200.5608528	0.131002731	0.584350932	0.224185029	0.822613332	0.999371363	Not Sig
ENSG00000132305	IMMT	inner membrane mitochondrial protein	10989	1459.678201	0.131018928	0.388562072	0.337189185	0.73597429	0.999371363	Not Sig
ENSG00000239280	NA	NA	NA	37.65218048	0.131125679	0.68361682	0.191811662	0.847889735	0.999371363	Not Sig
ENSG00000184319	NA	NA	NA	145.7107778	0.131155298	0.560601445	0.23395462	0.815020209	0.999371363	Not Sig
ENSG00000115350	POLE4	DNA polymerase epsilon 4, accessory subunit	56655	306.7157951	0.131236833	0.635333051	0.206563837	0.836350505	0.999371363	Not Sig
ENSG00000168906	MAT2A	methionine adenosyltransferase 2A	4144	4296.702352	0.131296987	0.46491632	0.282409934	0.777629199	0.999371363	Not Sig
ENSG00000172653	NA	NA	NA	10.42879713	0.131378563	1.054452994	0.124594044	0.900844944	0.999371363	Not Sig
ENSG00000078487	ZCWPW1	zinc finger CW-type and PWWP domain containing 1	55063	121.1759041	0.131480131	0.4802862	0.273753713	0.784273897	0.999371363	Not Sig
ENSG00000162852	CNST	consortin, connexin sorting protein	163882	1024.299155	0.131511997	0.437088144	0.300882097	0.763504402	0.999371363	Not Sig
ENSG00000198399	ITSN2	intersectin 2	50618	3105.917889	0.131518498	0.491289004	0.267700878	0.788929574	0.999371363	Not Sig
ENSG00000171241	SHCBP1	SHC binding and spindle associated 1	79801	87.59914126	0.131817424	0.91645677	0.143833761	0.885631743	0.999371363	Not Sig
ENSG00000198089	SFI1	SFI1 centrin binding protein	9814	826.1470448	0.131974146	0.471563847	0.279864851	0.779581195	0.999371363	Not Sig
ENSG00000099282	TSPAN15	tetraspanin 15	23555	1120.790506	0.132044752	0.438114263	0.30139341	0.763114519	0.999371363	Not Sig
ENSG00000139433	GLTP	glycolipid transfer protein	51228	956.4675964	0.132055803	0.428427142	0.308233979	0.757904298	0.999371363	Not Sig
ENSG00000147650	LRP12	LDL receptor related protein 12	29967	329.8861918	0.132119758	0.487539408	0.270992982	0.78639643	0.999371363	Not Sig
ENSG00000172943	PHF8	PHD finger protein 8	23133	1347.479079	0.132156084	0.42837571	0.308505083	0.757698033	0.999371363	Not Sig
ENSG00000151715	TMEM45B	transmembrane protein 45B	120224	808.235777	0.132222527	0.937899053	0.140977354	0.887887833	0.999371363	Not Sig
ENSG00000111670	GNPTAB	N-acetylglucosamine-1-phosphate transferase alpha and beta subunits	79158	2349.126374	0.132335401	0.519435795	0.254767582	0.798902615	0.999371363	Not Sig
ENSG00000117862	TXNDC12	thioredoxin domain containing 12	51060	1064.892446	0.13234321	0.495548036	0.267064342	0.789419622	0.999371363	Not Sig
ENSG00000086544	ITPKC	inositol-trisphosphate 3-kinase C	80271	1102.052183	0.132414893	0.548830965	0.241267168	0.809348056	0.999371363	Not Sig
ENSG00000225526	MKRN2OS	MKRN2 opposite strand	100129480	27.19159162	0.132443832	1.122008944	0.11804169	0.906034625	0.999371363	Not Sig
ENSG00000100592	DAAMI	dishevelled associated activator of morphogenesis 1	23002	1701.382574	0.132508228	0.442613024	0.299377156	0.76465229	0.999371363	Not Sig

ENSG00000173436	MINOS1	mitochondrial inner membrane organizing system 1	440574	254.6297714	0.132660836	0.428345377	0.309705306	0.756785068	0.999371363	Not Sig
ENSG00000174125	TLR1	toll like receptor 1	7096	420.1852686	0.132675894	0.633346508	0.209483895	0.834070506	0.999371363	Not Sig
ENSG00000260727	NA	NA	NA	23.28027569	0.132872438	0.653414168	0.203351021	0.838860679	0.999371363	Not Sig
ENSG00000215068	LOC153684	uncharacterized LOC153684	153684	298.369597	0.133119563	0.456200518	0.291800553	0.770439122	0.999371363	Not Sig
ENSG00000148925	BTBD10	BTB domain containing 10	84280	527.3355542	0.133222506	0.433148567	0.307567695	0.758411305	0.999371363	Not Sig
ENSG00000261737	LOC105378828	uncharacterized LOC105378828	105378828	23.23248938	0.133237606	0.631814122	0.21088102	0.832980115	0.999371363	Not Sig
ENSG00000112276	BVES	blood vessel epicardial substance	11149	82.80579254	0.133333151	0.646488219	0.206242198	0.836601727	0.999371363	Not Sig
ENSG00000138095	LRPPRC	leucine rich pentatricopeptide repeat containing	10128	3417.933965	0.133422914	0.527005645	0.253171697	0.800135536	0.999371363	Not Sig
ENSG00000124198	ARFGEF2	ADP ribosylation factor guanine nucleotide exchange factor 2	10564	2750.434798	0.133451772	0.466845458	0.285858563	0.774986452	0.999371363	Not Sig
ENSG00000132383	RPA1	replication protein A1	6117	1241.465537	0.133486729	0.414081283	0.322368421	0.747173605	0.999371363	Not Sig
ENSG00000179010	MRFAP1	Morf4 family associated protein 1	93621	3901.613974	0.133643527	0.559780453	0.238742755	0.811305062	0.999371363	Not Sig
ENSG00000134248	LAMTOR5	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5	10542	600.0412236	0.133811658	0.592080414	0.226002507	0.821199471	0.999371363	Not Sig
ENSG00000135744	AGT	angiotensinogen	183	204.3893543	0.133951379	1.212953244	0.110434082	0.912065125	0.999371363	Not Sig
ENSG00000108587	GOSR1	golgi SNAP receptor complex member 1	9527	1618.83846	0.134043629	0.389863428	0.343822015	0.730980143	0.999371363	Not Sig
ENSG00000072201	LNx1	ligand of numb-protein X 1	84708	226.7588873	0.134189418	0.519436676	0.258336434	0.79614727	0.999371363	Not Sig
ENSG00000070915	SLC12A3	solute carrier family 12 member 3	6559	7.561162197	0.134304658	1.418429082	0.094685494	0.92456464	0.999371363	Not Sig
ENSG00000221573	NA	NA	NA	1.97708385	0.134313914	2.166603463	0.061992846	0.950568529	NA	NA
ENSG00000140199	SLC12A6	solute carrier family 12 member 6	9990	1226.536857	0.134389382	0.425476486	0.31585619	0.752111666	0.999371363	Not Sig
ENSG00000132334	PTPRE	protein tyrosine phosphatase, receptor type E	5791	2671.390367	0.134626462	0.45027069	0.298990063	0.764947627	0.999371363	Not Sig
ENSG00000101337	TM9SF4	transmembrane 9 superfamily member 4	9777	1902.477167	0.134635177	0.393841012	0.341851592	0.732462581	0.999371363	Not Sig
ENSG00000235919	ASH1L-AS1	ASH1L antisense RNA 1	645676	71.04927094	0.134675243	0.517276242	0.260354589	0.794590268	0.999371363	Not Sig
ENSG00000163170	BOLA3	bola family member 3	388962	99.76835164	0.135173884	0.580480379	0.232865552	0.815865809	0.999371363	Not Sig
ENSG00000113240	CLK4	CDC like kinase 4	57396	807.485745	0.135237595	0.458096666	0.295216283	0.767828664	0.999371363	Not Sig
ENSG00000165140	FBP1	fructose-bisphosphatase 1	2203	2929.612048	0.135412114	0.91724375	0.147629367	0.882635277	0.999371363	Not Sig
ENSG00000164548	TRA2A	transformer 2 alpha homolog	29896	2151.612281	0.135442773	0.540651527	0.250517692	0.802187025	0.999371363	Not Sig
ENSG00000167645	YIF1B	Yipl interacting factor homolog B, membrane trafficking protein	90522	356.3272638	0.13554236	0.505127189	0.26833313	0.788442907	0.999371363	Not Sig
ENSG00000258704	NA	NA	NA	40.37789223	0.135656092	0.576647918	0.235249427	0.814015145	0.999371363	Not Sig
ENSG00000106443	PHF14	PHD finger protein 14	9678	1999.294814	0.135662502	0.615044904	0.220573329	0.82542467	0.999371363	Not Sig
ENSG00000110696	C11orf58	chromosome 11 open reading frame 58	10944	2917.705022	0.135817265	0.402020067	0.33783703	0.735486003	0.999371363	Not Sig
ENSG00000180917	CMTR2	cap methyltransferase 2	55783	749.356032	0.135841447	0.507661837	0.267582547	0.789020667	0.999371363	Not Sig
ENSG00000148153	INIP	INTS3 and NABP interacting protein	58493	487.5368531	0.136272666	0.417126853	0.326693583	0.743899655	0.999371363	Not Sig
ENSG00000199325	NA	NA	NA	1.486131334	0.136276162	2.063082721	0.066054628	0.947334333	NA	NA
ENSG00000204308	RNF5	ring finger protein 5	6048	713.5779333	0.136402012	0.578746335	0.235685314	0.813676866	0.999371363	Not Sig
ENSG00000139266	9-Mar	membrane associated ring-CH-type finger 9	92979	509.5455508	0.136740795	0.524665366	0.26062478	0.794381879	0.999371363	Not Sig
ENSG00000103024	NME3	NME/NM23 nucleoside diphosphate kinase 3	4832	553.7985491	0.136763631	0.617932672	0.221324486	0.824839786	0.999371363	Not Sig

ENSG00000107404	DVL1	dishevelled segment polarity protein 1	1855	2056.439103	0.137187333	0.554895923	0.247230747	0.804729651	0.999371363	Not Sig
ENSG00000169914	OTUD3	OTU deubiquitinase 3	23252	716.3216816	0.137239215	0.599538715	0.228908011	0.818940414	0.999371363	Not Sig
ENSG00000177694	NAALADL2	N-acetylated alpha-linked acidic dipeptidase like 2	254827	757.4035252	0.137271448	0.875390849	0.15681161	0.875393323	0.999371363	Not Sig
ENSG00000111880	RNGTT	RNA guanylyltransferase and 5'-phosphatase	8732	709.8669968	0.137647652	0.431013599	0.319358027	0.749455035	0.999371363	Not Sig
ENSG00000081087	OSTM1	osteopetrosis associated transmembrane protein 1	28962	744.6154932	0.137660347	0.507503761	0.271249905	0.786198833	0.999371363	Not Sig
ENSG00000126524	SBDS	SBDS, ribosome maturation factor	51119	1470.240564	0.137676528	0.542974073	0.253560041	0.799835471	0.999371363	Not Sig
ENSG00000125952	MAX	MYC associated factor X	4149	1280.624212	0.137803202	0.49254803	0.279776171	0.779649235	0.999371363	Not Sig
ENSG00000237187	NR2F1-AS1	NR2F1 antisense RNA 1	441094	220.7238557	0.137846847	0.463384361	0.297478419	0.766101282	0.999371363	Not Sig
ENSG00000264966	MIR5094	microRNA 5094	100847059	7.803033033	0.137878204	0.96889693	0.142304305	0.886839646	0.999371363	Not Sig
ENSG00000235410	NA	NA	NA	1.038116003	0.137942552	3.020619552	0.045666973	0.963575688	NA	NA
ENSG00000243725	TTC4	tetratricopeptide repeat domain 4	7268	30.21185481	0.137995933	0.638216048	0.216221346	0.828815215	0.999371363	Not Sig
ENSG00000273096	NA	NA	NA	12.07363651	0.138112078	0.863532463	0.15993849	0.872929528	0.999371363	Not Sig
ENSG00000138738	PRDM5	PR/SET domain 5	11107	400.2945147	0.1381665	0.420297799	0.328734768	0.742356172	0.999371363	Not Sig
ENSG00000110497	AMBRA1	autophagy and beclin 1 regulator 1	55626	1452.834069	0.138183923	0.40335399	0.342587222	0.731909016	0.999371363	Not Sig
ENSG00000171295	ZNF440	zinc finger protein 440	126070	494.9068893	0.13825102	0.424953967	0.325331756	0.744929999	0.999371363	Not Sig
ENSG00000204536	CCHCR1	coiled-coil alpha-helical rod protein 1	54535	455.5473342	0.13833066	0.466878665	0.296288244	0.767009963	0.999371363	Not Sig
ENSG00000105926	MPP6	membrane palmitoylated protein 6	51678	633.7291853	0.138375584	0.617529736	0.224079223	0.822695659	0.999371363	Not Sig
ENSG00000113312	TTC1	tetratricopeptide repeat domain 1	7265	706.7329489	0.138427665	0.423854924	0.326592088	0.743976428	0.999371363	Not Sig
ENSG00000152556	PFKM	phosphofructokinase, muscle	5213	641.3715212	0.138444796	0.627542704	0.220614144	0.825392887	0.999371363	Not Sig
ENSG00000140836	ZFHX3	zinc finger homeobox 3	463	3988.654372	0.138513398	0.457658865	0.302656429	0.762151706	0.999371363	Not Sig
ENSG00000255108	NA	NA	NA	14.68397475	0.138693097	0.742493546	0.186793673	0.851822408	0.999371363	Not Sig
ENSG00000080603	SRCAP	Snf2 related CREBBP activator protein	10847	6055.839092	0.139201348	0.450739613	0.308828742	0.757451804	0.999371363	Not Sig
ENSG00000145703	IQGAP2	IQ motif containing GTPase activating protein 2	10788	1485.365482	0.139314555	0.836285064	0.166587401	0.867694708	0.999371363	Not Sig
ENSG00000241061	NA	NA	NA	3.733581396	0.13941427	1.327432245	0.105025526	0.916355554	NA	NA
ENSG00000241155	ARHGAP31-AS1	ARHGAP31 antisense RNA 1	100874246	6.516332089	0.139425079	1.111289919	0.12546238	0.900157506	NA	NA
ENSG00000198246	SLC29A3	solute carrier family 29 member 3	55315	254.3212466	0.139456046	0.687118067	0.202957909	0.839167931	0.999371363	Not Sig
ENSG00000068120	COASY	Coenzyme A synthase	80347	986.291974	0.139631296	0.42374654	0.329516074	0.741765647	0.999371363	Not Sig
ENSG00000188525	NA	NA	NA	0.970602081	0.139948248	3.060283078	0.045730491	0.963525061	NA	NA
ENSG00000196503	ARL9	ADP ribosylation factor like GTPase 9	132946	2.021853445	0.140056166	1.797085959	0.077935151	0.937879638	NA	NA
ENSG00000103495	MAZ	MYC associated zinc finger protein	4150	2600.157064	0.140287686	0.48973434	0.286456706	0.774528348	0.999371363	Not Sig
ENSG00000254507	NA	NA	NA	0.860150975	0.140421776	3.174993001	0.044227429	0.964723119	NA	NA
ENSG00000178814	OPLAH	5-oxoprolinase, ATP-hydrolysing	26873	488.1809646	0.140670424	0.600202529	0.234371595	0.814696508	0.999371363	Not Sig
ENSG00000090612	ZNF268	zinc finger protein 268	10795	491.2059181	0.140780769	0.56216548	0.250425852	0.80225804	0.999371363	Not Sig
ENSG00000265260	NA	NA	NA	3.208885655	0.140870339	1.702666754	0.08273512	0.934062159	NA	NA
ENSG00000171916	LGALS9C	galectin 9C	654346	12.79003603	0.140949438	1.272778777	0.110741505	0.911821332	0.999371363	Not Sig

ENSG00000137267	TUBB2A	tubulin beta 2A class IIa	7280	139.5501077	0.141009147	0.778125642	0.181216425	0.856197703	0.999371363	Not Sig
ENSG00000223810	NA	NA	NA	1.182443377	0.141033216	2.498888451	0.05643838	0.954992583	NA	NA
ENSG00000258659	TRIM34	tripartite motif containing 34	53840	5.307967559	0.141339078	1.126753697	0.125439196	0.900175859	NA	NA
ENSG00000146909	NOM1	nucleolar protein with MIF4G domain 1	64434	909.3874458	0.141581292	0.546539669	0.259050348	0.795596394	0.999371363	Not Sig
ENSG00000006071	ABCC8	ATP binding cassette subfamily C member 8	6833	30.64060236	0.141892397	1.25917277	0.112686996	0.910278711	0.999371363	Not Sig
ENSG00000263235	NA	NA	NA	6.349238712	0.141945618	1.420174023	0.099949454	0.920384454	NA	NA
ENSG00000085982	USP40	ubiquitin specific peptidase 40	55230	1694.493969	0.14194712	0.423393458	0.335260543	0.737428556	0.999371363	Not Sig
ENSG00000132879	FBX044	F-box protein 44	93611	404.0501149	0.142012874	0.580178336	0.24477452	0.806631024	0.999371363	Not Sig
ENSG00000238260	NA	NA	NA	9.462258597	0.142046749	0.88612898	0.160300308	0.872644516	0.999371363	Not Sig
ENSG00000250938	NA	NA	NA	11.69381687	0.142272048	0.814572091	0.174658633	0.861347874	0.999371363	Not Sig
ENSG00000231069	NA	NA	NA	3.982077059	0.14246184	1.798319917	0.079219408	0.936858107	NA	NA
ENSG00000223803	NA	NA	NA	9.26341962	0.142462273	0.99645409	0.142969229	0.886314483	0.999371363	Not Sig
ENSG00000248334	NA	NA	NA	56.00590587	0.142490838	0.554026293	0.257191472	0.797030967	0.999371363	Not Sig
ENSG00000197386	HTT	huntingtin	3064	4766.431175	0.142591895	0.430310757	0.33136958	0.74036534	0.999371363	Not Sig
ENSG00000137171	KLC4	kinesin light chain 4	89953	648.6052131	0.142680935	0.501074177	0.284750127	0.775835584	0.999371363	Not Sig
ENSG00000266053	NDUFV2-AS1	NDUFV2 antisense RNA 1	101927275	34.95429293	0.14269047	0.667440572	0.213787528	0.830712751	0.999371363	Not Sig
ENSG00000104133	SPG11	SPG11, spatacsin vesicle trafficking associated	80208	3588.241454	0.142721193	0.416236293	0.342885028	0.731684956	0.999371363	Not Sig
ENSG00000135823	STX6	syntaxin 6	10228	1269.219532	0.142727523	0.517071568	0.2760305	0.782524641	0.999371363	Not Sig
ENSG00000073536	NLE1	notchless homolog 1	54475	234.9520586	0.142838833	0.468908294	0.304619975	0.760655605	0.999371363	Not Sig
ENSG00000205054	LINC01121	long intergenic non-protein coding RNA 1121	400952	7.097948041	0.142991035	1.094251262	0.130674773	0.89603259	0.999371363	Not Sig
ENSG00000117133	RPF1	ribosome production factor 1 homolog	80135	388.6218066	0.143100131	0.472442829	0.302894069	0.761970591	0.999371363	Not Sig
ENSG00000111802	TDP2	tyrosyl-DNA phosphodiesterase 2	51567	782.7352409	0.143139403	0.396675546	0.360847559	0.718213408	0.999371363	Not Sig
ENSG00000108961	RANGRF	RAN guanine nucleotide release factor	29098	228.014121	0.143155562	0.480391528	0.297997682	0.765704933	0.999371363	Not Sig
ENSG00000255163	NA	NA	NA	14.16533949	0.143221886	1.075427151	0.133176744	0.894053603	0.999371363	Not Sig
ENSG00000169442	CD52	CD52 molecule	1043	494.7432768	0.143355241	1.033677042	0.138684749	0.88969927	0.999371363	Not Sig
ENSG00000150594	ADRA2A	adrenoceptor alpha 2A	150	237.495164	0.143442424	1.000086681	0.143429991	0.885950598	0.999371363	Not Sig
ENSG00000135951	TSGA10	testis specific 10	80705	206.5241105	0.143464056	0.470397685	0.304984613	0.760377871	0.999371363	Not Sig
ENSG00000255176	NA	NA	NA	55.43961775	0.143530153	0.698422341	0.205506245	0.837176619	0.999371363	Not Sig
ENSG00000169379	ARL13B	ADP ribosylation factor like GTPase 13B	200894	341.1097117	0.143878989	0.58470298	0.246071927	0.805626554	0.999371363	Not Sig
ENSG00000184634	MED12	mediator complex subunit 12	9968	1654.169832	0.144171154	0.446145537	0.32314826	0.746582963	0.999371363	Not Sig
ENSG00000169410	PTPN9	protein tyrosine phosphatase, non-receptor type 9	5780	999.7178821	0.144173163	0.419268087	0.343868678	0.730945048	0.999371363	Not Sig
ENSG00000203306	NA	NA	NA	139.3499729	0.14436058	0.761211296	0.189645872	0.849586639	0.999371363	Not Sig
ENSG00000247572	CKMT2-AS1	CKMT2 antisense RNA 1	100131067	157.8550486	0.144479189	0.598476781	0.24141152	0.809236185	0.999371363	Not Sig
ENSG00000267365	KCNJ2-AS1	KCNJ2 antisense RNA 1 (head to head)	400617	22.68881931	0.14453185	0.844816038	0.171080855	0.86416019	0.999371363	Not Sig
ENSG00000109881	CCDC34	coiled-coil domain containing 34	91057	151.9425727	0.14465006	0.757463572	0.190966359	0.84855195	0.999371363	Not Sig

ENSG00000171634	BPTF	bromodomain PHD finger transcription factor	2186	6062.033649	0.144739373	0.438889298	0.329785606	0.741561964	0.999371363	Not Sig
ENSG00000100221	JOSD1	Josephin domain containing 1	9929	1478.364041	0.144874231	0.449987826	0.321951445	0.747489479	0.999371363	Not Sig
ENSG00000143157	POGK	pogo transposable element derived with KRAB domain	57645	2362.032006	0.144962379	0.449238909	0.32268438	0.746934282	0.999371363	Not Sig
ENSG00000208883	SNORD96B	small nucleolar RNA, C/D box 96B	692226	2.026442278	0.145000223	2.20982255	0.065616229	0.947683368	NA	NA
ENSG00000136243	NUPL2	nucleoporin like 2	11097	557.6473978	0.145202308	0.723130042	0.200796952	0.840857347	0.999371363	Not Sig
ENSG00000206228	NA	NA	NA	3.935708154	0.145302467	1.249990613	0.116242847	0.90746008	NA	NA
ENSG00000215021	PHB2	prohibitin 2	11331	2003.6054	0.145368653	0.445536806	0.326277541	0.744214379	0.999371363	Not Sig
ENSG00000136003	ISCU	iron-sulfur cluster assembly enzyme	23479	1379.754469	0.145389664	0.532100374	0.273237289	0.784670818	0.999371363	Not Sig
ENSG00000271769	NA	NA	NA	8.220172529	0.145518819	1.229892191	0.118318353	0.905815416	0.999371363	Not Sig
ENSG00000250234	NA	NA	NA	4.876812464	0.14558437	1.259713258	0.115569451	0.907993775	NA	NA
ENSG00000137714	FDX1	ferredoxin 1	2230	584.2327695	0.145697021	0.471790355	0.308817294	0.757460513	0.999371363	Not Sig
ENSG00000043462	LCP2	lymphocyte cytosolic protein 2	3937	1355.51021	0.145706721	0.611478045	0.238286105	0.811659198	0.999371363	Not Sig
ENSG00000111897	SERINC1	serine incorporator 1	57515	4454.175275	0.14585455	0.450571262	0.323710281	0.746157386	0.999371363	Not Sig
ENSG00000170264	FAMI61A	family with sequence similarity 161 member A	84140	134.3669776	0.145989445	0.499845236	0.292069294	0.770233644	0.999371363	Not Sig
ENSG00000255443	NA	NA	NA	1.456949471	0.145995608	1.847532441	0.079021946	0.937015167	NA	NA
ENSG00000088179	PTPN4	protein tyrosine phosphatase, non-receptor type 4	5775	1146.143014	0.146315629	0.43869447	0.333525128	0.738737925	0.999371363	Not Sig
ENSG00000207944	MIR574	microRNA 574	693159	4.752938237	0.1466438	1.507226578	0.097293799	0.92249308	NA	NA
ENSG00000136960	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2	5168	1157.605822	0.146647211	0.672197519	0.218160892	0.827303755	0.999371363	Not Sig
ENSG00000128626	MRPS12	mitochondrial ribosomal protein S12	6183	230.353665	0.146844602	0.554667828	0.264743319	0.791207204	0.999371363	Not Sig
ENSG00000143156	NME7	NME/NM23 family member 7	29922	269.6311713	0.146959607	0.625378343	0.234993118	0.814214075	0.999371363	Not Sig
ENSG00000219481	NBPF1	NBPF member 1	55672	1821.737488	0.146969404	0.416699276	0.352698967	0.724314134	0.999371363	Not Sig
ENSG00000219481	LOC101930059	uncharacterized LOC101930059	101930059	1821.737488	0.146969404	0.416699276	0.352698967	0.724314134	0.999371363	Not Sig
ENSG00000111142	METAP2	methionyl aminopeptidase 2	10988	1372.029362	0.146983651	0.468434888	0.313776054	0.753691132	0.999371363	Not Sig
ENSG00000178222	RNF212	ring finger protein 212	285498	178.4571669	0.147101005	0.972717378	0.15122687	0.879796755	0.999371363	Not Sig
ENSG00000058799	YIPF1	Yipl domain family member 1	54432	523.7960557	0.147232425	0.473830644	0.31072795	0.756007447	0.999371363	Not Sig
ENSG00000123595	RAB9A	RAB9A, member RAS oncogene family	9367	378.6595428	0.147331601	0.446232557	0.330167753	0.741273212	0.999371363	Not Sig
ENSG00000133392	MYH11	myosin heavy chain 11	4629	7847.374215	0.147361653	0.723473136	0.20368642	0.838598555	0.999371363	Not Sig
ENSG00000196700	ZNF512B	zinc finger protein 512B	57473	1140.025349	0.147544341	0.45243116	0.326114454	0.744337761	0.999371363	Not Sig
ENSG00000163702	IL17RC	interleukin 17 receptor C	84818	600.9339289	0.147594683	0.528018269	0.279525713	0.779841408	0.999371363	Not Sig
ENSG00000145740	SLC30A5	solute carrier family 30 member 5	64924	1366.7138	0.147682266	0.486209569	0.303741998	0.761324459	0.999371363	Not Sig
ENSG00000102524	TNFSF13B	TNF superfamily member 13b	10673	326.7157419	0.147748153	0.700792077	0.210830228	0.83301975	0.999371363	Not Sig
ENSG00000113163	COL4A3BP	collagen type IV alpha 3 binding protein	10087	1633.881324	0.148011261	0.427432031	0.346280228	0.729132126	0.999371363	Not Sig
ENSG00000136144	RCBTB1	RCC1 and BTB domain containing protein 1	55213	593.4337762	0.148070254	0.480515603	0.30814869	0.757969193	0.999371363	Not Sig
ENSG00000197837	HIST4H4	histone cluster 4 H4	121504	602.1148859	0.14811101	0.520558711	0.284521414	0.776010826	0.999371363	Not Sig
ENSG00000215717	TMEM167B	transmembrane protein 167B	56900	975.2612117	0.14838887	0.511772777	0.28995069	0.771853961	0.999371363	Not Sig

ENSG00000106268	NUDT1	nudix hydrolase 1	4521	124.8108334	0.148405667	0.608492212	0.243890824	0.807315376	0.999371363	Not Sig
ENSG00000126106	TMEM53	transmembrane protein 53	79639	230.4915945	0.148445615	0.448978682	0.33062954	0.74092433	0.999371363	Not Sig
ENSG00000206656	SNORD116-17	small nucleolar RNA, C/D box 116-17	100033429	4.276028802	0.148797294	1.225314968	0.121435955	0.903345739	NA	NA
ENSG00000261471	NA	NA	NA	4.509806086	0.148808406	1.386808303	0.107302794	0.914548768	NA	NA
ENSG00000102871	TRADD	TNFRSF1A associated via death domain	8717	601.7091889	0.148830269	0.522898267	0.284625668	0.775930944	0.999371363	Not Sig
ENSG00000148840	PPRC1	peroxisome proliferator-activated receptor gamma, coactivator-related 1	23082	1319.063435	0.148898614	0.432048479	0.344634041	0.73036951	0.999371363	Not Sig
ENSG00000166848	TERF2IP	TERF2 interacting protein	54386	1493.895053	0.149276146	0.563485671	0.264915602	0.791074479	0.999371363	Not Sig
ENSG00000166848	LOC105371348	uncharacterized LOC105371348	105371348	1493.895053	0.149276146	0.563485671	0.264915602	0.791074479	0.999371363	Not Sig
ENSG00000261794	GOLGA8H	golgin A8 family member H	728498	19.00594183	0.149362111	0.898889691	0.166162892	0.868028761	0.999371363	Not Sig
ENSG00000232828	NA	NA	NA	6.37827124	0.14937922	1.020569591	0.14636848	0.883630509	NA	NA
ENSG00000270820	NA	NA	NA	58.82217872	0.149395902	0.549966248	0.271645583	0.785894547	0.999371363	Not Sig
ENSG00000219722	NA	NA	NA	0.686641738	0.149405277	3.417792886	0.043713965	0.965132408	NA	NA
ENSG00000231794	NA	NA	NA	0.686641738	0.149405277	3.417792886	0.043713965	0.965132408	NA	NA
ENSG00000257553	NA	NA	NA	0.686641738	0.149405277	3.417792886	0.043713965	0.965132408	NA	NA
ENSG00000260438	NA	NA	NA	0.686641738	0.149405277	3.417792886	0.043713965	0.965132408	NA	NA
ENSG00000272701	NA	NA	NA	0.686641738	0.149405277	3.417792886	0.043713965	0.965132408	NA	NA
ENSG00000084774	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	790	1216.261326	0.14951516	0.461367521	0.324069538	0.745885388	0.999371363	Not Sig
ENSG00000119688	ABCD4	ATP binding cassette subfamily D member 4	5826	897.757098	0.14965348	0.501323091	0.298517029	0.765308581	0.999371363	Not Sig
ENSG00000047579	DTNBP1	dystrobrevin binding protein 1	84062	367.3415278	0.149780614	0.451073897	0.332053384	0.739848949	0.999371363	Not Sig
ENSG00000139668	WDFY2	WD repeat and FYVE domain containing 2	115825	644.8172167	0.149869947	0.430518098	0.348115323	0.727753577	0.999371363	Not Sig
ENSG00000175283	DOLK	dolichol kinase	22845	234.5445028	0.149916814	0.509725635	0.294112762	0.76867174	0.999371363	Not Sig
ENSG00000159202	UBE2Z	ubiquitin conjugating enzyme E2 Z	65264	2085.336862	0.149994033	0.405336096	0.370048547	0.711346319	0.999371363	Not Sig
ENSG00000103994	ZNF106	zinc finger protein 106	64397	4482.542952	0.150003362	0.510349415	0.293922865	0.768816845	0.999371363	Not Sig
ENSG00000112306	RPS12	ribosomal protein S12	6206	4368.012587	0.150015759	0.501074532	0.299388113	0.764643931	0.999371363	Not Sig
ENSG00000143748	NVL	nuclear VCP-like	4931	771.6116031	0.150055875	0.505154525	0.297049452	0.766428755	0.999371363	Not Sig
ENSG00000143013	LMO4	LIM domain only 4	8543	1293.898126	0.150277542	0.467369976	0.321538717	0.747802177	0.999371363	Not Sig
ENSG00000171848	RRM2	ribonucleotide reductase regulatory subunit M2	6241	338.0822367	0.150491401	0.995061894	0.151238232	0.879787793	0.999371363	Not Sig
ENSG00000179562	GCC1	GRIP and coiled-coil domain containing 1	79571	636.5521976	0.150689681	0.516676188	0.291652073	0.770552657	0.999371363	Not Sig
ENSG00000266141	NA	NA	NA	6.682408148	0.150743588	1.187284776	0.12696498	0.898968116	0.999371363	Not Sig
ENSG00000272839	NA	NA	NA	4.978429282	0.150987842	1.432877193	0.105373889	0.916079134	NA	NA
ENSG00000143486	EIF2D	eukaryotic translation initiation factor 2D	1939	838.6974108	0.151249603	0.490277001	0.308498263	0.757703222	0.999371363	Not Sig
ENSG00000149294	NCAM1	neural cell adhesion molecule 1	4684	164.39706	0.15126239	0.907717859	0.166640314	0.867653071	0.999371363	Not Sig
ENSG00000205309	NT5M	5',3'-nucleotidase, mitochondrial	56953	44.13387141	0.151339054	0.674070573	0.224515148	0.822356482	0.999371363	Not Sig
ENSG00000213985	NA	NA	NA	5.353910559	0.151485309	1.118610632	0.135422733	0.892277651	NA	NA
ENSG00000125037	EMC3	ER membrane protein complex subunit 3	55831	819.3835808	0.151696663	0.393572208	0.385435404	0.699914856	0.999371363	Not Sig

ENSG00000182180	MRPS16	mitochondrial ribosomal protein S16	51021	878.2154225	0.151781332	0.388092932	0.391095327	0.695726774	0.999371363	Not Sig
ENSG00000138002	IFT172	intraflagellar transport 172	26160	794.5342167	0.15180677	0.485712952	0.312544207	0.754626972	0.999371363	Not Sig
ENSG00000101868	POLA1	DNA polymerase alpha 1, catalytic subunit	5422	737.1916409	0.151843434	0.479000356	0.317000671	0.751243093	0.999371363	Not Sig
ENSG00000149600	COMM7	COMM domain containing 7	149951	616.8827979	0.152099407	0.540880201	0.281207201	0.778551482	0.999371363	Not Sig
ENSG00000125741	OPA3	OPA3, outer mitochondrial membrane lipid metabolism regulator	80207	552.8420696	0.152235861	0.541840055	0.280960885	0.778740401	0.999371363	Not Sig
ENSG00000156471	PTDSS1	phosphatidylserine synthase 1	9791	932.0707759	0.152297242	0.452546745	0.336533724	0.736468425	0.999371363	Not Sig
ENSG00000184014	DENND5A	DENN domain containing 5A	23258	2229.588664	0.152303344	0.526166514	0.28945845	0.772230572	0.999371363	Not Sig
ENSG00000156587	UBE2L6	ubiquitin conjugating enzyme E2 L6	9246	1099.975253	0.152393085	0.88774233	0.171663646	0.863701968	0.999371363	Not Sig
ENSG00000142188	TMEM50B	transmembrane protein 50B	757	1145.878545	0.152431597	0.452589061	0.336799119	0.736268337	0.999371363	Not Sig
ENSG00000164010	ERMAP	erythroblast membrane associated protein (Sciama blood group)	114625	361.8647651	0.152510839	0.451564488	0.337738778	0.735560049	0.999371363	Not Sig
ENSG00000197006	METTL9	methyltransferase like 9	51108	1674.317379	0.152644407	0.401241317	0.380430429	0.70362593	0.999371363	Not Sig
ENSG00000119812	FAM98A	family with sequence similarity 98 member A	25940	591.0638843	0.152675908	0.43416282	0.351655879	0.725096353	0.999371363	Not Sig
ENSG00000127481	UBR4	ubiquitin protein ligase E3 component n-recognin 4	23352	10429.81677	0.152783427	0.398731918	0.383173306	0.701591269	0.999371363	Not Sig
ENSG00000185710	NA	NA	NA	90.75792984	0.152857307	1.067572273	0.143182163	0.886146316	0.999371363	Not Sig
ENSG00000215840	NA	NA	NA	28.56200194	0.15296531	0.620090984	0.246682042	0.805154306	0.999371363	Not Sig
ENSG00000131174	COX7B	cytochrome c oxidase subunit 7B	1349	646.5778983	0.153105867	0.64898399	0.235916247	0.813497661	0.999371363	Not Sig
ENSG00000266122	NA	NA	NA	1.546792713	0.153112914	1.808669022	0.084655021	0.932535655	NA	NA
ENSG00000121797	CCRL2	C-C motif chemokine receptor like 2	9034	236.165412	0.153165602	0.900400559	0.170108292	0.864924972	0.999371363	Not Sig
ENSG00000133835	HSD17B4	hydroxysteroid 17-beta dehydrogenase 4	3295	2473.682234	0.153193124	0.498132293	0.307535018	0.758436173	0.999371363	Not Sig
ENSG00000111358	GTF2H3	general transcription factor IIIH subunit 3	2967	449.4984355	0.15322789	0.507539159	0.301903581	0.762725566	0.999371363	Not Sig
ENSG00000153147	SMARCA5	SMARCA5 related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 1	8467	3608.865633	0.153292174	0.424567169	0.361055176	0.7180582	0.999371363	Not Sig
ENSG00000266235	MIR3176	microRNA 3176	100423037	11.44899075	0.153374092	1.235492378	0.124140056	0.901204384	0.999371363	Not Sig
ENSG00000188997	KCTD21	potassium channel tetramerization domain containing 21	283219	315.6183844	0.153378172	0.520652639	0.294588293	0.768308406	0.999371363	Not Sig
ENSG00000077420	APBB1IP	amyloid beta precursor protein binding family B member 1 interacting protein	54518	535.6831308	0.153523763	0.795142332	0.193077084	0.846898599	0.999371363	Not Sig
ENSG00000187583	PLEKHN1	pleckstrin homology domain containing N1	84069	153.4891968	0.153539351	0.777671112	0.197434813	0.843487289	0.999371363	Not Sig
ENSG00000082213	C5orf22	chromosome 5 open reading frame 22	55322	717.3872072	0.153609428	0.61013122	0.251764576	0.801223039	0.999371363	Not Sig
ENSG00000184203	PPP1R2	protein phosphatase 1 regulatory inhibitor subunit 2	5504	1154.677397	0.153875955	0.467991391	0.328800824	0.742306241	0.999371363	Not Sig
ENSG00000235897	TM4SF19-AS1	TM4SF19 antisense RNA 1	100874214	15.67326505	0.153896045	0.84343136	0.182464219	0.855218432	0.999371363	Not Sig
ENSG00000116251	RPL22	ribosomal protein L22	6146	3605.410645	0.153955323	0.524495372	0.293530375	0.769116786	0.999371363	Not Sig
ENSG00000075151	EIF4G3	eukaryotic translation initiation factor 4 gamma 3	8672	2770.764258	0.153961768	0.489200249	0.314721361	0.752973224	0.999371363	Not Sig
ENSG00000125686	MED1	mediator complex subunit 1	5469	1569.669143	0.154205419	0.412379096	0.373940922	0.70844827	0.999371363	Not Sig
ENSG00000112559	MDF1	MyoD family inhibitor	4188	440.240748	0.15444098	0.807262947	0.191314343	0.848279325	0.999371363	Not Sig
ENSG00000240392	NA	NA	NA	6.013506896	0.154472196	1.08287503	0.142650067	0.886566554	NA	NA
ENSG00000135577	NMBR	neuromedin B receptor	4829	1.395873085	0.154855359	2.326056854	0.066574194	0.946920691	NA	NA
ENSG00000009780	FAM76A	family with sequence similarity 76 member A	199870	355.06262	0.155024401	0.451305203	0.343502358	0.731220567	0.999371363	Not Sig

ENSG00000126822	PLEKHG3	pleckstrin homology and RhoGEF domain containing G3	26030	1118.00037	0.15510981	0.594945822	0.260712495	0.79431423	0.999371363	Not Sig
ENSG00000214070	NA	NA	NA	1.724603023	0.155137533	1.935818147	0.080140551	0.936125471	NA	NA
ENSG00000230055	NA	NA	NA	384.5716511	0.15532493	0.588358665	0.263997012	0.791782221	0.999371363	Not Sig
ENSG00000224721	LOC102724153	uncharacterized LOC102724153	102724153	4.585356854	0.155355969	1.871815984	0.082997458	0.93385356	NA	NA
ENSG00000096093	EFHC1	EF-hand domain containing 1	114327	586.6807845	0.155428874	0.567003298	0.274123403	0.783989789	0.999371363	Not Sig
ENSG00000161217	PCYT1A	phosphate cytidylyltransferase 1, choline, alpha	5130	1422.750325	0.155507375	0.481249268	0.3231327	0.746594747	0.999371363	Not Sig
ENSG00000168453	HR	HR, lysine demethylase and nuclear receptor corepressor	55806	128.435872	0.15572177	1.009767769	0.154215429	0.877439877	0.999371363	Not Sig
ENSG00000126581	BECN1	beclin 1	8678	1650.472664	0.155932115	0.429423336	0.363119798	0.716515396	0.999371363	Not Sig
ENSG00000175779	C15orf53	chromosome 15 open reading frame 53	400359	7.174645024	0.155992052	1.025795833	0.152069297	0.87913228	0.999371363	Not Sig
ENSG00000149136	SSRP1	structure specific recognition protein 1	6749	2065.322902	0.156096471	0.406347553	0.384145221	0.700870817	0.999371363	Not Sig
ENSG00000184831	APOO	apolipoprotein O	79135	107.2931549	0.156208349	0.610216363	0.255988463	0.797959746	0.999371363	Not Sig
ENSG00000266345	NA	NA	NA	6.585728656	0.156396727	1.34269833	0.116479423	0.907272593	0.999371363	Not Sig
ENSG00000130396	AFDN	afadin, adherens junction formation factor	4301	7297.290523	0.156447129	0.435921191	0.35888856	0.719678458	0.999371363	Not Sig
ENSG00000250999	NA	NA	NA	15.41104801	0.156580744	0.868423508	0.180304589	0.856913453	0.999371363	Not Sig
ENSG00000030419	IKZF2	IKAROS family zinc finger 2	22807	1274.291973	0.156776452	0.636200932	0.246426002	0.80535248	0.999371363	Not Sig
ENSG00000023734	STRAP	serine/threonine kinase receptor associated protein	11171	1359.284049	0.156955306	0.430359396	0.364707515	0.715329749	0.999371363	Not Sig
ENSG00000261556	SMG1P7	SMG1 pseudogene 7	100506060	129.238255	0.157010315	0.486658276	0.322629497	0.746975852	0.999371363	Not Sig
ENSG00000103363	ELOB	elongin B	6923	1316.458979	0.157103196	0.475935445	0.330093499	0.741329315	0.999371363	Not Sig
ENSG00000213588	ZBTB9	zinc finger and BTB domain containing 9	221504	229.0991453	0.157181013	0.481809807	0.326230415	0.744250032	0.999371363	Not Sig
ENSG00000048342	CC2D2A	coiled-coil and C2 domain containing 2A	57545	559.0886815	0.157438861	0.536748841	0.293319425	0.769278008	0.999371363	Not Sig
ENSG00000203706	SERTAD4-AS1	SERTAD4 antisense RNA 1	574036	87.77980861	0.157443734	0.620660766	0.253671156	0.79974962	0.999371363	Not Sig
ENSG00000135932	CAB39	calcium binding protein 39	51719	2754.344267	0.157605416	0.431910549	0.364902909	0.715183883	0.999371363	Not Sig
ENSG00000118058	KMT2A	lysine methyltransferase 2A	4297	6015.803768	0.157610633	0.388690294	0.405491559	0.685116222	0.999371363	Not Sig
ENSG00000240453	NA	NA	NA	11.61441938	0.157618591	0.881159695	0.178876305	0.858034828	0.999371363	Not Sig
ENSG00000255337	LOC101928424	uncharacterized LOC101928424	101928424	12.56148037	0.15781076	1.002604639	0.157400788	0.874928993	0.999371363	Not Sig
ENSG00000198805	PNP	purine nucleoside phosphorylase	4860	687.1603074	0.157813634	0.403250363	0.391353979	0.695535605	0.999371363	Not Sig
ENSG00000157693	TMEM268	transmembrane protein 268	203197	624.0435947	0.157878737	0.598818579	0.263650365	0.792049346	0.999371363	Not Sig
ENSG00000091536	MYO15A	myosin XVA	51168	58.37018969	0.157969347	0.581936586	0.271454572	0.786041434	0.999371363	Not Sig
ENSG00000182141	ZNF708	zinc finger protein 708	7562	394.5289409	0.158012432	0.506645479	0.311879685	0.755131962	0.999371363	Not Sig
ENSG00000137221	TJAP1	tight junction associated protein 1	93643	687.9192323	0.158147741	0.555239232	0.28482811	0.775775835	0.999371363	Not Sig
ENSG00000160208	RRP1B	ribosomal RNA processing 1B	23076	1189.84195	0.158166464	0.486601457	0.325043137	0.745148424	0.999371363	Not Sig
ENSG00000249020	NA	NA	NA	9.083163692	0.158183698	1.026183141	0.154147629	0.877493335	0.999371363	Not Sig
ENSG00000144909	OSBPL11	oxysterol binding protein like 11	114885	718.5120215	0.158361149	0.563412519	0.281074957	0.778652909	0.999371363	Not Sig
ENSG00000188917	TRMT2B	tRNA methyltransferase 2 homolog B	79979	731.3232175	0.158428146	0.535660979	0.29576197	0.767411868	0.999371363	Not Sig
ENSG00000085831	TTC39A	tetratricopeptide repeat domain 39A	22996	855.028163	0.158566674	0.536965975	0.295301157	0.767763832	0.999371363	Not Sig

ENSG00000085733	CTTN	cortactin		2017	5512.80493	0.158610402	0.545399072	0.290815313	0.771192574	0.999371363	Not Sig
ENSG00000157895	C12orf43	chromosome 12 open reading frame 43		64897	242.7215257	0.158691739	0.51838449	0.306127483	0.759507583	0.999371363	Not Sig
ENSG00000224553	NA	NA	NA		5.171340405	0.158930018	1.249037458	0.127241995	0.898748868	NA	NA
ENSG00000241641	NA	NA	NA		16.59054011	0.159018766	0.732796052	0.21700276	0.828206194	0.999371363	Not Sig
ENSG00000103932	RPAP1	RNA polymerase II associated protein 1		26015	711.3459866	0.159031067	0.468150591	0.339700666	0.73408196	0.999371363	Not Sig
ENSG00000143549	TPM3	tropomyosin 3		7170	5980.704047	0.159155308	0.432300572	0.368158911	0.712754746	0.999371363	Not Sig
ENSG00000256116	NA	NA	NA		33.71637075	0.159564095	0.678582636	0.235143203	0.814097587	0.999371363	Not Sig
ENSG00000119801	YPEL5	yippee like 5		51646	1696.448154	0.159587396	0.482182751	0.330968696	0.740668131	0.999371363	Not Sig
ENSG00000095319	NUP188	nucleoporin 188		23511	1405.859031	0.159757282	0.460388451	0.347005407	0.728587257	0.999371363	Not Sig
ENSG00000253878	NA	NA	NA		64.1567511	0.159802336	0.628935908	0.254083658	0.799430928	0.999371363	Not Sig
ENSG00000135924	DNAJB2	DnaJ heat shock protein family (Hsp40) member B2		3300	1507.744386	0.159804486	0.603082868	0.264979316	0.791025396	0.999371363	Not Sig
ENSG00000146223	RPL7L1	ribosomal protein L7 like 1		285855	2098.228872	0.159937967	0.437216553	0.365809496	0.714507233	0.999371363	Not Sig
ENSG00000249673	NOP14-AS1	NOP14 antisense RNA 1		317648	392.0406189	0.160255412	0.534347133	0.299908808	0.764246715	0.999371363	Not Sig
ENSG00000211869	NA	NA	NA		7.291068423	0.160279905	1.183024334	0.135483185	0.892229858	0.999371363	Not Sig
ENSG00000137193	PIM1	Pim-1 proto-oncogene, serine/threonine kinase		5292	1387.814527	0.160342339	0.464208252	0.345410359	0.729785891	0.999371363	Not Sig
ENSG00000109944	JHY	junctional cadherin complex regulator		79864	240.3047965	0.160563966	0.424983657	0.377812097	0.705570187	0.999371363	Not Sig
ENSG00000014641	MDH1	malate dehydrogenase 1		4190	1264.334835	0.160667016	0.405119786	0.396591382	0.691668808	0.999371363	Not Sig
ENSG00000170043	TRAPPC1	trafficking protein particle complex 1		58485	560.7295889	0.160671414	0.49664471	0.323513794	0.746306163	0.999371363	Not Sig
ENSG00000089091	DZANK1	double zinc ribbon and ankyrin repeat domains 1		55184	132.3881639	0.16074483	0.5049225	0.31835545	0.750215327	0.999371363	Not Sig
ENSG00000158077	NLRP14	NLR family pyrin domain containing 14		338323	17.41683757	0.161020348	0.837568663	0.192247341	0.847548464	0.999371363	Not Sig
ENSG00000077549	CAPZB	capping actin protein of muscle Z-line beta subunit		832	3339.746318	0.161066867	0.426368183	0.377764744	0.705605367	0.999371363	Not Sig
ENSG00000130701	RBBP8NL	RBBP8 N-terminal like		140893	113.7288496	0.161122661	0.770549311	0.209101038	0.834369364	0.999371363	Not Sig
ENSG00000235505	LOC643733	caspase 4, apoptosis-related cysteine peptidase pseudogene		643733	123.5598054	0.161165057	0.743905289	0.216647279	0.828483237	0.999371363	Not Sig
ENSG00000063978	RNF4	ring finger protein 4		6047	1432.961414	0.16120891	0.410917315	0.392314717	0.694825691	0.999371363	Not Sig
ENSG00000137513	NARS2	asparaginyl-tRNA synthetase 2, mitochondrial		79731	372.3807681	0.161363032	0.416627588	0.387307603	0.698528498	0.999371363	Not Sig
ENSG00000131013	PP1L4	peptidylprolyl isomerase like 4		85313	885.6668441	0.161380181	0.496347225	0.325135657	0.745078403	0.999371363	Not Sig
ENSG00000256690	LOC105369332	uncharacterized LOC105369332		105369332	10.24905628	0.161388348	0.905468838	0.178237329	0.858536594	0.999371363	Not Sig
ENSG00000130487	KLHDC7B	kelch domain containing 7B		113730	49.55192822	0.161736916	0.734789883	0.22011315	0.825783034	0.999371363	Not Sig
ENSG00000184432	COPB2	coatamer protein complex subunit beta 2		9276	3924.134188	0.161747536	0.489821325	0.330217424	0.741235682	0.999371363	Not Sig
ENSG00000091157	WDR7	WD repeat domain 7		23335	1103.117415	0.161773715	0.484901561	0.333621765	0.738664992	0.999371363	Not Sig
ENSG00000259522	NA	NA	NA		2.246569812	0.162002426	1.775680307	0.091234005	0.927306655	NA	NA
ENSG00000259706	HSP90B2P	heat shock protein 90 beta family member 2, pseudogene		7190	28.14929957	0.162083466	0.791999589	0.204650947	0.837844847	0.999371363	Not Sig
ENSG00000146282	RARS2	arginyl-tRNA synthetase 2, mitochondrial		57038	867.0397506	0.162085036	0.515310684	0.314538474	0.7531121	0.999371363	Not Sig
ENSG00000136810	TXN	thioredoxin		7295	1313.674728	0.162196795	0.536241702	0.302469566	0.76229413	0.999371363	Not Sig
ENSG00000204498	NFKBIL1	NFKB inhibitor like 1		4795	372.1863026	0.162209301	0.617994251	0.262477039	0.792953685	0.999371363	Not Sig

ENSG00000229018	NA	NA	NA	18.30309945	0.16230152	0.752950954	0.215553906	0.829335488	0.999371363	Not Sig
ENSG00000008130	NADK	NAD kinase	65220	2048.653391	0.162319345	0.542289083	0.299322539	0.764693959	0.999371363	Not Sig
ENSG00000163131	CTSS	cathepsin S	1520	5362.745594	0.162344865	0.638431372	0.254287104	0.799273762	0.999371363	Not Sig
ENSG00000100330	MTMR3	myotubularin related protein 3	8897	2866.024062	0.162431855	0.50800864	0.319742308	0.749163685	0.999371363	Not Sig
ENSG00000108278	NA	NA	NA	296.6333076	0.162675114	0.398615049	0.408100784	0.683199684	0.999371363	Not Sig
ENSG00000150076	NA	NA	NA	83.40725005	0.162818206	0.628044216	0.259246407	0.795445127	0.999371363	Not Sig
ENSG00000062598	ELMO2	engulfment and cell motility 2	63916	938.2169385	0.162995189	0.53922268	0.302278067	0.762440097	0.999371363	Not Sig
ENSG00000153944	MSI2	musashi RNA binding protein 2	124540	2788.532095	0.163047917	0.638935485	0.255186823	0.798578808	0.999371363	Not Sig
ENSG00000064607	SUGP2	SURP and G-patch domain containing 2	10147	1723.730784	0.163081774	0.468957448	0.347753885	0.728025025	0.999371363	Not Sig
ENSG00000205502	C2CD4B	C2 calcium dependent domain containing 4B	388125	200.3865321	0.163137236	0.835244199	0.195316814	0.845144935	0.999371363	Not Sig
ENSG00000156508	EEF1A1	eukaryotic translation elongation factor 1 alpha 1	1915	110217.8996	0.163205032	0.451833918	0.361205799	0.717945607	0.999371363	Not Sig
ENSG00000273314	NA	NA	NA	54.62756373	0.163232597	0.604436942	0.27005728	0.787116187	0.999371363	Not Sig
ENSG00000238446	NA	NA	NA	5.51797093	0.163272385	1.852956117	0.088114545	0.929785636	NA	NA
ENSG00000162222	TTC9C	tetratricopeptide repeat domain 9C	283237	271.7532321	0.16355185	0.472168165	0.346384747	0.729053587	0.999371363	Not Sig
ENSG00000148948	LRRRC4C	leucine rich repeat containing 4C	57689	61.39908179	0.163564069	0.744599224	0.219667256	0.826130307	0.999371363	Not Sig
ENSG00000106603	COA1	cytochrome c oxidase assembly factor 1 homolog	55744	1253.276284	0.163568174	0.55525073	0.294584348	0.76831142	0.999371363	Not Sig
ENSG00000196532	NA	NA	NA	347.2212897	0.163588337	0.982602199	0.166484806	0.867775439	0.999371363	Not Sig
ENSG00000259782	NA	NA	NA	8.272387437	0.163622918	0.916847726	0.178462479	0.858359785	0.999371363	Not Sig
ENSG00000166452	AKIP1	A-kinase interacting protein 1	56672	249.2438524	0.164359245	0.431902959	0.380546699	0.703539638	0.999371363	Not Sig
ENSG00000125967	NECAB3	N-terminal EF-hand calcium binding protein 3	63941	801.5791717	0.164385908	0.49172256	0.334306215	0.738148501	0.999371363	Not Sig
ENSG00000170385	SLC30A1	solute carrier family 30 member 1	7779	1614.942391	0.164456183	0.469074967	0.350596801	0.725890857	0.999371363	Not Sig
ENSG00000258633	NA	NA	NA	1.469824543	0.164491009	1.847076777	0.089054776	0.929038378	NA	NA
ENSG00000239306	RBM14	RNA binding motif protein 14	10432	1175.389338	0.164584942	0.447036006	0.36816932	0.712746985	0.999371363	Not Sig
ENSG00000114805	PLCH1	phospholipase C eta 1	23007	1350.486114	0.164662891	0.5834104	0.282241953	0.777757991	0.999371363	Not Sig
ENSG00000077157	PPP1R12B	protein phosphatase 1 regulatory subunit 12B	4660	3320.022767	0.164933836	0.461399826	0.35746402	0.720744457	0.999371363	Not Sig
ENSG00000100949	RABGGTA	Rab geranylgeranyltransferase alpha subunit	5875	525.6110895	0.164964663	0.585027376	0.281977681	0.777960624	0.999371363	Not Sig
ENSG00000081019	RSBN1	round spermatid basic protein 1	54665	999.1753749	0.165037109	0.448316015	0.36812673	0.71277874	0.999371363	Not Sig
ENSG00000229932	NA	NA	NA	7.131553122	0.165111204	0.957810581	0.172383984	0.863135662	0.999371363	Not Sig
ENSG00000165006	UBAP1	ubiquitin associated protein 1	51271	1372.492567	0.165174197	0.40458109	0.408259805	0.683082946	0.999371363	Not Sig
ENSG00000111602	TIMELESS	timeless circadian regulator	8914	452.1324707	0.165252764	0.526813808	0.313683434	0.753761484	0.999371363	Not Sig
ENSG00000106266	SNX8	sorting nexin 8	29886	815.540865	0.165272964	0.501071293	0.329839219	0.741521452	0.999371363	Not Sig
ENSG00000142197	DOPEY2	dopey family member 2	9980	1616.193802	0.165293368	0.477904222	0.345871327	0.729439418	0.999371363	Not Sig
ENSG00000189067	LITAF	lipopolysaccharide induced TNF factor	9516	3939.219994	0.165324217	0.448536426	0.368585934	0.712436382	0.999371363	Not Sig
ENSG00000228217	NA	NA	NA	1.804992016	0.165364466	1.681175857	0.098362384	0.921644543	NA	NA
ENSG00000164967	RPP25L	ribonuclease P/MRP subunit p25 like	138716	140.9334246	0.165467568	0.581395303	0.284604239	0.775947363	0.999371363	Not Sig

ENSG00000140675	SLC5A2	solute carrier family 5 member 2	6524	14.38525903	0.165469019	0.966083336	0.171278204	0.864005018	0.999371363	Not Sig
ENSG00000201217	NA	NA	NA	41.40469783	0.165734272	0.909716308	0.182182368	0.855439609	0.999371363	Not Sig
ENSG00000224786	NA	NA	NA	2.095389894	0.165913852	1.876367146	0.088422915	0.929540549	NA	NA
ENSG00000198286	CARD11	caspase recruitment domain family member 11	84433	385.5407753	0.166318374	0.78799664	0.211064826	0.832836687	0.999371363	Not Sig
ENSG00000115241	PPM1G	protein phosphatase, Mg2+/Mn2+ dependent 1G	5496	1620.176209	0.166323776	0.456578403	0.364283055	0.715646652	0.999371363	Not Sig
ENSG00000226521	NA	NA	NA	1.508156601	0.166328839	2.307962448	0.072067394	0.942548274	NA	NA
ENSG00000167136	ENDOG	endonuclease G	2021	211.4634909	0.166435074	0.726622845	0.229052906	0.818827796	0.999371363	Not Sig
ENSG00000251307	NA	NA	NA	7.207353281	0.166446026	0.975947895	0.170548066	0.864579137	0.999371363	Not Sig
ENSG00000171307	ZDHHC16	zinc finger DHHC-type containing 16	84287	999.0466007	0.166449513	0.471869122	0.352745084	0.724279557	0.999371363	Not Sig
ENSG00000180385	NA	NA	NA	148.0733462	0.166479561	0.843068476	0.197468612	0.843460842	0.999371363	Not Sig
ENSG00000137494	ANKRD42	ankyrin repeat domain 42	338699	374.2738678	0.16651446	0.429326587	0.387850333	0.698126795	0.999371363	Not Sig
ENSG00000186141	POLR3C	RNA polymerase III subunit C	10623	544.3250119	0.166526353	0.427264466	0.389750064	0.696721373	0.999371363	Not Sig
ENSG00000088367	EPB41L1	erythrocyte membrane protein band 4.1 like 1	2036	1648.992705	0.166602525	0.546915902	0.304621834	0.760654189	0.999371363	Not Sig
ENSG00000081870	HSPB11	heat shock protein family B (small) member 11	51668	282.8705263	0.166690244	0.593144844	0.281027889	0.778689009	0.999371363	Not Sig
ENSG00000011295	TTC19	tetratricopeptide repeat domain 19	54902	1136.202793	0.166708865	0.419791643	0.397122876	0.691276851	0.999371363	Not Sig
ENSG00000259519	NA	NA	NA	1.524048386	0.166945056	1.984288758	0.084133449	0.932950331	NA	NA
ENSG00000227431	CSE1L-AS1	CSE1L antisense RNA 1	102723483	1.769372617	0.167023666	1.934232157	0.086351406	0.931187075	NA	NA
ENSG00000176884	GRIN1	glutamate ionotropic receptor NMDA type subunit 1	2902	45.07268894	0.167371929	1.11904596	0.149566627	0.88110654	0.999371363	Not Sig
ENSG00000126773	PCNX4	pecanex homolog 4	64430	1314.501409	0.167413789	0.449469587	0.37246967	0.70954319	0.999371363	Not Sig
ENSG00000232533	NA	NA	NA	89.04035411	0.167650171	0.668311022	0.250856511	0.801925048	0.999371363	Not Sig
ENSG00000173511	VEGFB	vascular endothelial growth factor B	7423	1192.79385	0.167680631	0.606952684	0.276266397	0.782343463	0.999371363	Not Sig
ENSG00000130348	QRSL1	glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1	55278	348.2236434	0.167923929	0.452624	0.37100094	0.710636831	0.999371363	Not Sig
ENSG00000261145	NA	NA	NA	1.105475207	0.167937258	2.244506378	0.074821466	0.940356762	NA	NA
ENSG00000126003	PLAGL2	PLAG1 like zinc finger 2	5326	934.5370567	0.167942292	0.461560146	0.36385787	0.715964146	0.999371363	Not Sig
ENSG00000156381	ANKRD9	ankyrin repeat domain 9	122416	496.9363819	0.168019769	0.630001754	0.266697304	0.78970223	0.999371363	Not Sig
ENSG00000162702	ZNF281	zinc finger protein 281	23528	1264.938263	0.168038938	0.68257042	0.246185496	0.805538642	0.999371363	Not Sig
ENSG00000105447	GRWD1	glutamate rich WD repeat containing 1	83743	602.863545	0.168116355	0.586411171	0.286686822	0.774352129	0.999371363	Not Sig
ENSG00000117697	NSL1	NSL1, MIS12 kinetochore complex component	25936	490.126963	0.168376358	0.509424863	0.330522459	0.741005226	0.999371363	Not Sig
ENSG00000171865	RNASEH1	ribonuclease H1	246243	368.6058771	0.168658275	0.445846562	0.378287711	0.705216873	0.999371363	Not Sig
ENSG00000160460	SPTBN4	spectrin beta, non-erythrocytic 4	57731	60.92207187	0.168699923	0.819338114	0.20589781	0.836870737	0.999371363	Not Sig
ENSG00000125447	GGA3	golgi associated, gamma adaptin ear containing, ADP binding protein 3	23163	1274.087498	0.168721387	0.518653686	0.325306445	0.744949154	0.999371363	Not Sig
ENSG00000076003	MCM6	minichromosome maintenance complex component 6	4175	682.6761458	0.168743631	0.651494502	0.259010062	0.795627477	0.999371363	Not Sig
ENSG00000125912	NCLN	nicalin	56926	1553.460886	0.169108446	0.603133083	0.280383302	0.779183446	0.999371363	Not Sig
ENSG00000149182	ARFGAP2	ADP ribosylation factor GTPase activating protein 2	84364	1769.459457	0.16920545	0.491176317	0.344490246	0.73047763	0.999371363	Not Sig
ENSG00000088808	PPP1R13B	protein phosphatase 1 regulatory subunit 13B	23368	1863.278088	0.169297541	0.477654609	0.354435062	0.723012862	0.999371363	Not Sig

ENSG00000175634	RPS6KB2	ribosomal protein S6 kinase B2	6199	691.1874087	0.169442555	0.530124289	0.319627979	0.749250362	0.999371363	Not Sig
ENSG00000236810	ELOA-AS1	ELOA antisense RNA 1	100506963	53.37787806	0.169541431	0.526067531	0.322280736	0.747240026	0.999371363	Not Sig
ENSG00000115977	AAK1	AP2 associated kinase 1	22848	1087.851552	0.169626043	0.441298585	0.384379304	0.700697338	0.999371363	Not Sig
ENSG00000075618	FSCN1	fascin actin-bundling protein 1	6624	1601.799781	0.169661055	0.654712295	0.259138336	0.795528507	0.999371363	Not Sig
ENSG00000177225	GATD1	glutamine amidotransferase like class 1 domain containing 1	347862	1066.525395	0.169674271	0.477130837	0.355613717	0.72212987	0.999371363	Not Sig
ENSG00000161671	EMC10	ER membrane protein complex subunit 10	284361	2400.353141	0.169747554	0.491312085	0.345498429	0.729719691	0.999371363	Not Sig
ENSG00000100603	SNW1	SNW domain containing 1	22938	1324.949421	0.169842739	0.396582267	0.428266097	0.668457399	0.999371363	Not Sig
ENSG00000133475	GGT2	gamma-glutamyltransferase 2	728441	29.61310022	0.169929672	0.771677966	0.220208013	0.825709156	0.999371363	Not Sig
ENSG00000133475	LOC102724197	inactive gamma-glutamyltranspeptidase 2-like	102724197	29.61310022	0.169929672	0.771677966	0.220208013	0.825709156	0.999371363	Not Sig
ENSG00000269919	NA	NA	NA	20.36319015	0.169930475	1.105520416	0.153710843	0.877837735	0.999371363	Not Sig
ENSG00000108700	CCL8	C-C motif chemokine ligand 8	6355	57.40618293	0.170013885	0.899261181	0.189059518	0.850046169	0.999371363	Not Sig
ENSG00000108433	GOSR2	golgi SNAP receptor complex member 2	9570	748.6392496	0.170110058	0.405242638	0.419773344	0.674651039	0.999371363	Not Sig
ENSG00000184162	NR2C2AP	nuclear receptor 2C2 associated protein	126382	133.6911195	0.170156392	0.707004951	0.240672137	0.809809236	0.999371363	Not Sig
ENSG00000118900	UBN1	ubiquitin 1	29855	1996.757145	0.170319286	0.461758374	0.368849373	0.712240001	0.999371363	Not Sig
ENSG00000148935	GAS2	growth arrest specific 2	2620	80.50219721	0.170329789	1.049875801	0.162238037	0.871118408	0.999371363	Not Sig
ENSG00000243829	NA	NA	NA	2.369895989	0.170355291	2.020054413	0.084332031	0.932792446	NA	NA
ENSG00000238231	NA	NA	NA	17.33136868	0.170447206	0.804594034	0.211842493	0.832229916	0.999371363	Not Sig
ENSG00000102900	NUP93	nucleoporin 93	9688	679.2506468	0.170520046	0.416981361	0.408939252	0.682584243	0.999371363	Not Sig
ENSG00000167112	TRUB2	TruB pseudouridine synthase family member 2	26995	367.2377785	0.170566035	0.451565162	0.377721865	0.705637223	0.999371363	Not Sig
ENSG00000076242	MLH1	mutL homolog 1	4292	833.1633422	0.170579103	0.448978972	0.379926709	0.70399982	0.999371363	Not Sig
ENSG00000271886	MIR98	microRNA 98	407054	6.117205517	0.170615906	1.042185774	0.163709686	0.869959692	NA	NA
ENSG00000272986	NA	NA	NA	5.124578169	0.17073979	1.107163833	0.154213663	0.87744127	NA	NA
ENSG00000238058	NA	NA	NA	30.21829718	0.170759425	0.878241061	0.194433434	0.845836513	0.999371363	Not Sig
ENSG00000164366	CCDC127	coiled-coil domain containing 127	133957	425.1785967	0.170827369	0.480735441	0.355345901	0.722330472	0.999371363	Not Sig
ENSG00000101935	AMMECR1	<small>Alport syndrome, mental retardation, mild face hypoplasia and cell-proliferative chromosomal region gene 1</small>	9949	406.4638408	0.170901187	0.573811273	0.297835186	0.765828958	0.999371363	Not Sig
ENSG00000205336	ADGRG1	adhesion G protein-coupled receptor G1	9289	2692.872262	0.170987303	0.385150478	0.443949345	0.657079207	0.999371363	Not Sig
ENSG00000265393	NA	NA	NA	25.31365316	0.171045897	0.77078022	0.221912671	0.824381867	0.999371363	Not Sig
ENSG00000162526	TSSK3	testis specific serine kinase 3	81629	31.81227763	0.171077908	0.632044735	0.270673734	0.78664198	0.999371363	Not Sig
ENSG00000123411	IKZF4	IKAROS family zinc finger 4	64375	373.224914	0.171128227	0.491513221	0.34816607	0.727715467	0.999371363	Not Sig
ENSG00000198205	ZXDA	zinc finger, X-linked, duplicated A	7789	246.6029289	0.171147412	0.530473183	0.322631601	0.746974258	0.999371363	Not Sig
ENSG00000103490	PYCARD	PYD and CARD domain containing	29108	423.4464143	0.171188262	0.734023823	0.233218946	0.815591395	0.999371363	Not Sig
ENSG00000116138	DNAJC16	DnaJ heat shock protein family (Hsp40) member C16	23341	1112.781774	0.171308713	0.452778426	0.37834999	0.705170614	0.999371363	Not Sig
ENSG00000205060	SLC35B4	solute carrier family 35 member B4	84912	423.9663061	0.171555477	0.489576574	0.350416025	0.726026501	0.999371363	Not Sig
ENSG00000110713	NUP98	nucleoporin 98	4928	3593.502312	0.17171572	0.451716256	0.380140671	0.703840997	0.999371363	Not Sig
ENSG00000272240	NA	NA	NA	10.34618875	0.171866834	1.373990979	0.125085853	0.900455583	0.999371363	Not Sig

ENSG00000105438	KDELR1	KDEL endoplasmic reticulum protein retention receptor 1	10945	2511.49126	0.171989999	0.477042123	0.360534198	0.718447687	0.999371363	Not Sig
ENSG00000116704	SLC35D1	solute carrier family 35 member D1	23169	649.237983	0.172142297	0.598480029	0.287632483	0.773628077	0.999371363	Not Sig
ENSG00000162105	SHANK2	SH3 and multiple ankyrin repeat domains 2	22941	1844.456968	0.172364008	0.428650136	0.402108838	0.687603929	0.999371363	Not Sig
ENSG00000264058	NA	NA	NA	1.843324075	0.172466748	1.916630844	0.089984333	0.928299665	NA	NA
ENSG00000131096	PYY	peptide YY	5697	4.19732828	0.172493823	1.458878731	0.118237259	0.905879668	NA	NA
ENSG00000100109	TFIP11	tuftelin interacting protein 11	24144	744.4264769	0.172677565	0.506527755	0.340904449	0.733175515	0.999371363	Not Sig
ENSG00000242272	NA	NA	NA	4.323804212	0.172804191	1.246792633	0.138598983	0.889767047	NA	NA
ENSG00000165572	KBTBD6	kelch repeat and BTB domain containing 6	89890	212.1099838	0.17318853	0.482660489	0.358820607	0.719729296	0.999371363	Not Sig
ENSG00000203950	RTL8A	retrotransposon Gag like 8A	26071	421.3325701	0.173218967	0.462790077	0.374292742	0.708186532	0.999371363	Not Sig
ENSG00000136161	RCBTB2	RCC1 and BTB domain containing protein 2	1102	346.8612957	0.173250153	0.610358577	0.283849789	0.776525497	0.999371363	Not Sig
ENSG00000214199	NA	NA	NA	11.85431925	0.173261367	0.783799571	0.221053153	0.825051046	0.999371363	Not Sig
ENSG00000159658	EFCAB14	EF-hand calcium binding domain 14	9813	4724.854328	0.173429947	0.476347308	0.364082979	0.715796046	0.999371363	Not Sig
ENSG00000197226	TBC1D9B	TBC1 domain family member 9B	23061	3860.666263	0.173591844	0.55601961	0.312204536	0.754885085	0.999371363	Not Sig
ENSG00000095002	MSH2	mutS homolog 2	4436	673.5041881	0.173655514	0.554749565	0.31303407	0.754254778	0.999371363	Not Sig
ENSG00000167613	LAIR1	leukocyte associated immunoglobulin like receptor 1	3903	868.2810162	0.173754952	0.778945581	0.223064301	0.823485462	0.999371363	Not Sig
ENSG00000100239	PPP6R2	protein phosphatase 6 regulatory subunit 2	9701	1939.979583	0.173783733	0.586669614	0.296220784	0.767061477	0.999371363	Not Sig
ENSG00000119397	CNTRL	centriolin	11064	1367.865732	0.173928129	0.408128963	0.42615973	0.669991459	0.999371363	Not Sig
ENSG00000257225	NA	NA	NA	5.205996746	0.174154324	1.468936923	0.118558069	0.905625487	NA	NA
ENSG00000202459	NA	NA	NA	6.124036384	0.174174021	1.225089784	0.142172454	0.886943789	NA	NA
ENSG00000165458	INPPL1	inositol polyphosphate phosphatase like 1	3636	3276.006347	0.174212567	0.43325364	0.402102951	0.687608261	0.999371363	Not Sig
ENSG00000225655	NA	NA	NA	3.900227192	0.174277238	1.839436301	0.094744916	0.924517441	NA	NA
ENSG00000171067	C11orf24	chromosome 11 open reading frame 24	53838	591.5565854	0.174607173	0.424617671	0.41121033	0.680918314	0.999371363	Not Sig
ENSG00000163626	COX18	COX18, cytochrome c oxidase assembly factor	285521	394.3195037	0.174615605	0.465148374	0.375397647	0.707364755	0.999371363	Not Sig
ENSG00000237883	DGUOK-AS1	DGUOK antisense RNA 1	100874048	8.756997092	0.174621622	1.0317085	0.169254806	0.865596222	0.999371363	Not Sig
ENSG00000222112	NA	NA	NA	53.12047614	0.174805889	0.704664463	0.248069682	0.804080492	0.999371363	Not Sig
ENSG00000108424	KPNB1	karyopherin subunit beta 1	3837	5259.354578	0.174944379	0.387424559	0.451557277	0.651587954	0.999371363	Not Sig
ENSG00000111843	TMEM14C	transmembrane protein 14C	51522	976.7995164	0.175160613	0.50301845	0.348219062	0.727675673	0.999371363	Not Sig
ENSG00000092068	SLC7A8	solute carrier family 7 member 8	23428	1275.673167	0.17517846	0.531122489	0.329826854	0.741530795	0.999371363	Not Sig
ENSG00000182952	HMGN4	high mobility group nucleosomal binding domain 4	10473	701.1559059	0.17521405	0.471959281	0.371248235	0.71045265	0.999371363	Not Sig
ENSG00000241258	CRCP	CGRP receptor component	27297	727.884206	0.175286004	0.412947837	0.424474929	0.671219486	0.999371363	Not Sig
ENSG00000164307	ERAP1	endoplasmic reticulum aminopeptidase 1	51752	2651.431102	0.175295539	0.64458947	0.27194912	0.785661142	0.999371363	Not Sig
ENSG00000246089	LOC100287015	uncharacterized LOC100287015	100287015	51.24178886	0.175426689	0.716136534	0.244962631	0.806485366	0.999371363	Not Sig
ENSG00000134308	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein theta	10971	3284.004024	0.175458109	0.423693034	0.414116104	0.678789079	0.999371363	Not Sig
ENSG00000131100	ATP6V1E1	ATPase H ⁺ transporting V1 subunit E1	529	1344.933387	0.175462077	0.452259551	0.387967655	0.69803997	0.999371363	Not Sig
ENSG00000184470	TXNRD2	thioredoxin reductase 2	10587	756.7563904	0.175813386	0.470567197	0.37362015	0.708686941	0.999371363	Not Sig

ENSG00000159189	C1QC	complement C1q C chain	714	3121.491031	0.175940111	0.940505557	0.187069719	0.851605969	0.999371363	Not Sig
ENSG00000127152	BCL11B	B-cell CLL/lymphoma 11B	64919	466.6283823	0.175947911	0.667392116	0.263634986	0.792061197	0.999371363	Not Sig
ENSG00000110367	DDX6	DEAD-box helicase 6	1656	4702.842437	0.176019474	0.389985755	0.45134847	0.651738416	0.999371363	Not Sig
ENSG00000197102	DYNC1H1	dynein cytoplasmic 1 heavy chain 1	1778	19196.01481	0.176058073	0.438133395	0.40183669	0.687804219	0.999371363	Not Sig
ENSG00000135439	AGAP2	ArFGAP with GTPase domain, ankyrin repeat and PH domain 2	116986	285.5997439	0.176082631	0.786476724	0.223887911	0.822844523	0.999371363	Not Sig
ENSG00000185404	SP140L	SP140 nuclear body protein like	93349	607.3397642	0.176262064	0.44784004	0.393582637	0.693889203	0.999371363	Not Sig
ENSG00000125304	TM9SF2	transmembrane 9 superfamily member 2	9375	4584.089698	0.176337043	0.503744488	0.350052279	0.726299464	0.999371363	Not Sig
ENSG00000174370	C11orf45	chromosome 11 open reading frame 45	219833	55.56079907	0.176398163	0.877374436	0.201052317	0.840657666	0.999371363	Not Sig
ENSG00000167720	SRR	serine racemase	63826	151.7048769	0.176468688	0.529202574	0.333461508	0.73878594	0.999371363	Not Sig
ENSG00000182831	C16orf72	chromosome 16 open reading frame 72	29035	1700.791734	0.17647295	0.390458446	0.45196346	0.651295306	0.999371363	Not Sig
ENSG00000113889	KNG1	kininogen 1	3827	1.514594137	0.176606894	2.023515067	0.087277281	0.930451112	NA	NA
ENSG00000132274	TRIM22	tripartite motif containing 22	10346	2434.13738	0.17669732	0.773761479	0.228361484	0.81936523	0.999371363	Not Sig
ENSG00000171503	ETFDH	electron transfer flavoprotein dehydrogenase	2110	487.8534791	0.176876576	0.463130306	0.381915357	0.702524149	0.999371363	Not Sig
ENSG00000132664	POLR3F	RNA polymerase III subunit F	10621	165.6125636	0.176898786	0.585459831	0.302153584	0.762534986	0.999371363	Not Sig
ENSG00000088833	NSFL1C	NSFL1 cofactor	55968	1325.072635	0.176960648	0.461442704	0.383494302	0.701353295	0.999371363	Not Sig
ENSG00000167642	SPINT2	serine peptidase inhibitor, Kunitz type 2	10653	4299.612541	0.177035698	0.476054451	0.371881195	0.709981307	0.999371363	Not Sig
ENSG00000205927	OLIG2	oligodendrocyte transcription factor 2	10215	2.799755826	0.177043294	1.528499562	0.115828161	0.907788731	NA	NA
ENSG00000106638	TBL2	transducin beta like 2	26608	707.2048255	0.177048179	0.521850286	0.339270063	0.734406293	0.999371363	Not Sig
ENSG00000092203	TOX4	TOX high mobility group box family member 4	9878	1699.753731	0.177070387	0.376603791	0.470176858	0.638228666	0.999371363	Not Sig
ENSG00000197620	CXorf40A	chromosome X open reading frame 40A	91966	192.7029383	0.177236108	0.556887987	0.318261684	0.750286446	0.999371363	Not Sig
ENSG00000186501	TMEM222	transmembrane protein 222	84065	591.3452387	0.177266106	0.524093184	0.338233947	0.735186896	0.999371363	Not Sig
ENSG00000078304	PPP2R5C	protein phosphatase 2 regulatory subunit B' gamma	5527	3074.39486	0.177296749	0.425105162	0.417065622	0.676630409	0.999371363	Not Sig
ENSG00000257365	FNTB	farnesyltransferase, CAAX box, beta	2342	199.8621225	0.177442035	0.481381965	0.368609645	0.712418706	0.999371363	Not Sig
ENSG00000077463	SIRT6	sirtuin 6	51548	329.6221393	0.177505342	0.63191424	0.280901	0.778786333	0.999371363	Not Sig
ENSG00000231105	LOC100506801	uncharacterized LOC100506801	100506801	9.387001942	0.177630197	0.867968334	0.20465055	0.837845158	0.999371363	Not Sig
ENSG00000265429	MIR4782	microRNA 4782	100616208	2.581433232	0.177751009	2.092989235	0.084926863	0.932319536	NA	NA
ENSG00000050165	DKK3	dickkopf WNT signaling pathway inhibitor 3	27122	2491.574646	0.177769462	0.762247171	0.233217609	0.815592433	0.999371363	Not Sig
ENSG00000169884	WNT10B	Wnt family member 10B	7480	17.86006037	0.177964514	0.7475962	0.238048981	0.811843104	0.999371363	Not Sig
ENSG00000233937	NA	NA	NA	113.4799751	0.178026076	0.735483351	0.242053169	0.808738965	0.999371363	Not Sig
ENSG00000140854	KATNB1	katanin regulatory subunit B1	10300	427.9426143	0.178108315	0.636271017	0.279925237	0.779534864	0.999371363	Not Sig
ENSG00000146409	SLC18B1	solute carrier family 18 member B1	116843	431.5477202	0.178288358	0.602531162	0.295898983	0.767307228	0.999371363	Not Sig
ENSG00000184719	RNLS	renalase, FAD dependent amine oxidase	55328	86.25373858	0.178346396	0.677150312	0.263377853	0.792259359	0.999371363	Not Sig
ENSG00000134597	RBMX2	RNA binding motif protein, X-linked 2	51634	306.7618782	0.178426623	0.479943112	0.371766191	0.710066938	0.999371363	Not Sig
ENSG00000224358	NA	NA	NA	18.90343649	0.178454696	0.806096616	0.221381274	0.824795572	0.999371363	Not Sig
ENSG00000180383	DEFB124	defensin beta 124	245937	2.705063462	0.178543545	1.945897345	0.091753835	0.926893623	NA	NA

ENSG00000232953	NA	NA	NA	2.642398663	0.178550802	1.452049254	0.122964701	0.902135051	NA	NA
ENSG00000250479	CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10	400916	802.2187673	0.178578471	0.571450825	0.312500155	0.754660445	0.999371363	Not Sig
ENSG00000126953	TIMM8A	translocase of inner mitochondrial membrane 8A	1678	115.0142475	0.178646974	0.472102682	0.378407032	0.705128245	0.999371363	Not Sig
ENSG00000184254	ALDH1A3	aldehyde dehydrogenase 1 family member A3	220	682.9465794	0.178747805	0.555433713	0.32181663	0.747591615	0.999371363	Not Sig
ENSG00000232894	NA	NA	NA	10.1954924	0.178811675	1.414089593	0.126450032	0.8993757	0.999371363	Not Sig
ENSG00000100744	GSKIP	GSK3B interacting protein	51527	341.7926062	0.178952818	0.556945868	0.321310971	0.747974743	0.999371363	Not Sig
ENSG00000100731	PCNX1	pecanex homolog 1	22990	3039.646308	0.17899989	0.429890411	0.416384934	0.677128351	0.999371363	Not Sig
ENSG00000166450	PRTG	protogenin	283659	334.9856834	0.17907882	0.71241736	0.25136785	0.801529722	0.999371363	Not Sig
ENSG00000239900	ADSL	adenylosuccinate lyase	158	639.1399975	0.17931826	0.411480286	0.435788217	0.662990393	0.999371363	Not Sig
ENSG00000222942	NA	NA	NA	2.391921256	0.17942229	1.664234842	0.107811047	0.91414558	NA	NA
ENSG00000264176	NA	NA	NA	6.757887974	0.179460464	1.170678016	0.153296177	0.878164715	0.999371363	Not Sig
ENSG00000095970	TREM2	triggering receptor expressed on myeloid cells 2	54209	386.9707283	0.179518867	0.992868858	0.180808236	0.856518098	0.999371363	Not Sig
ENSG00000089048	ESF1	ESF1 nucleolar pre-rRNA processing protein homolog	51575	541.6159451	0.179547725	0.441868291	0.406337654	0.684494522	0.999371363	Not Sig
ENSG00000180228	PRKRA	protein activator of interferon induced protein kinase EIF2AK2	8575	592.8892319	0.179823018	0.554134362	0.324511581	0.745550756	0.999371363	Not Sig
ENSG00000122674	CCZ1	CCZ1 homolog, vacuolar protein trafficking and biogenesis associated	51622	418.0959031	0.180131758	0.491822242	0.366253785	0.714175711	0.999371363	Not Sig
ENSG00000100601	ALKBH1	alkB homolog 1, histone H2A dioxygenase	8846	213.2417307	0.180180574	0.476575505	0.37807351	0.705375986	0.999371363	Not Sig
ENSG00000139223	ANP32D	acidic nuclear phosphoprotein 32 family member D	23519	1.447080215	0.180533315	1.814317978	0.099504782	0.920737491	NA	NA
ENSG00000183733	FIGLA	folliculogenesis specific bHLH transcription factor	344018	1.447080215	0.180533315	1.814317978	0.099504782	0.920737491	NA	NA
ENSG00000188011	RTP5	receptor transporter protein 5 (putative)	285093	3.647901083	0.180905995	1.32697627	0.136329488	0.891560814	NA	NA
ENSG00000207445	SNORD15B	small nucleolar RNA, C/D box 15B	114599	16.81522486	0.1809083	0.695082349	0.260268873	0.794656381	0.999371363	Not Sig
ENSG00000134779	TPGS2	tubulin polyglutamylase complex subunit 2	25941	1151.090535	0.18104305	0.423286684	0.427707879	0.668863813	0.999371363	Not Sig
ENSG00000162755	KLHDC9	kelch domain containing 9	126823	79.37409398	0.181199698	0.484957952	0.373640018	0.708672157	0.999371363	Not Sig
ENSG00000265714	NA	NA	NA	10.45185929	0.181200619	1.036643879	0.174795437	0.861240374	0.999371363	Not Sig
ENSG00000158615	PPP1R15B	protein phosphatase 1 regulatory subunit 15B	84919	2975.217652	0.181223225	0.407971664	0.444205422	0.656894073	0.999371363	Not Sig
ENSG00000152778	IFIT5	interferon induced protein with tetratricopeptide repeats 5	24138	641.5298647	0.181340665	0.731646725	0.247852766	0.804248327	0.999371363	Not Sig
ENSG00000254704	NA	NA	NA	1.111912742	0.181425511	2.205839791	0.082247819	0.934449648	NA	NA
ENSG00000256940	LOC105369340	uncharacterized LOC105369340	105369340	16.18083669	0.181500012	1.329324498	0.13653552	0.891397946	0.999371363	Not Sig
ENSG00000088881	EBF4	early B-cell factor 4	57593	498.798682	0.181594279	0.791312134	0.229485018	0.818491964	0.999371363	Not Sig
ENSG00000178429	NA	NA	NA	7.237537539	0.181653282	1.00085412	0.181498261	0.855976498	0.999371363	Not Sig
ENSG00000135503	ACVR1B	activin A receptor type 1B	91	1374.22152	0.181875075	0.49081374	0.370558239	0.710966591	0.999371363	Not Sig
ENSG00000243811	APOBEC3D	apolipoprotein B mRNA editing enzyme catalytic subunit 3D	140564	158.241197	0.181962506	0.688856551	0.264151521	0.791663165	0.999371363	Not Sig
ENSG00000182578	CSF1R	colony stimulating factor 1 receptor	1436	2115.240335	0.181982751	0.791895371	0.22980656	0.818242087	0.999371363	Not Sig
ENSG00000171962	DRC3	dynein regulatory complex subunit 3	83450	230.5604326	0.182204646	0.721279201	0.252613198	0.80056713	0.999371363	Not Sig
ENSG00000044459	CNTLN	centlein	54875	331.1012253	0.182238242	0.584553261	0.311756437	0.755225633	0.999371363	Not Sig
ENSG00000075035	WSCD2	WSC domain containing 2	9671	23.96135243	0.182370778	0.788570671	0.231267513	0.817106983	0.999371363	Not Sig

ENSG00000159885	ZNF222	zinc finger protein 222	7673	51.79384178	0.18257723	0.544866322	0.335086282	0.73756	0.999371363	Not Sig
ENSG00000172534	HCFC1	host cell factor C1	3054	4342.756291	0.182596071	0.474459494	0.384850705	0.70034803	0.999371363	Not Sig
ENSG00000198363	ASPH	aspartate beta-hydroxylase	444	5611.391043	0.18263839	0.598658409	0.305079471	0.760305626	0.999371363	Not Sig
ENSG00000204394	VARS	valyl-tRNA synthetase	7407	1791.923631	0.18276379	0.481292118	0.379735679	0.704141632	0.999371363	Not Sig
ENSG00000260273	NA	NA	NA	3.135183589	0.18278069	1.447149808	0.126303917	0.899491355	NA	NA
ENSG00000267681	NA	NA	NA	11.22504559	0.182999016	0.945026854	0.19364425	0.846454447	0.999371363	Not Sig
ENSG00000111684	LPCAT3	lysophosphatidylcholine acyltransferase 3	10162	836.0867004	0.183027373	0.487685149	0.37529823	0.707438682	0.999371363	Not Sig
ENSG00000134986	NREP	neuronal regeneration related protein	9315	864.5347092	0.183063795	0.548492748	0.333757914	0.738562244	0.999371363	Not Sig
ENSG00000101638	ST8SIA5	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5	29906	4.521187419	0.183193762	1.282850995	0.142802058	0.886446512	NA	NA
ENSG00000103502	CDIPT	CDP-diacylglycerol--inositol 3-phosphatidyltransferase	10423	1201.50876	0.183266536	0.662467458	0.276642322	0.782054764	0.999371363	Not Sig
ENSG00000178498	DTX3	deltex E3 ubiquitin ligase 3	196403	529.9732953	0.183387091	0.643898403	0.284807495	0.77579163	0.999371363	Not Sig
ENSG00000198342	ZNF442	zinc finger protein 442	79973	60.2131592	0.183401058	0.588730945	0.31151931	0.755405865	0.999371363	Not Sig
ENSG00000134748	PRPF38A	pre-mRNA processing factor 38A	84950	879.6553948	0.183476694	0.427146435	0.429540501	0.667529926	0.999371363	Not Sig
ENSG00000168447	SCNN1B	sodium channel epithelial 1 beta subunit	6338	671.3582423	0.183482182	0.882851631	0.207829012	0.835362479	0.999371363	Not Sig
ENSG00000168802	CHTF8	chromosome transmission fidelity factor 8	54921	691.8242739	0.18351531	0.442051038	0.415145072	0.678035706	0.999371363	Not Sig
ENSG00000152268	NA	NA	NA	1390.5125	0.183639309	0.62180554	0.295332379	0.767739984	0.999371363	Not Sig
ENSG00000128881	TTBK2	tau tubulin kinase 2	146057	1025.7394	0.184216049	0.446398662	0.412671598	0.679847237	0.999371363	Not Sig
ENSG00000251986	NA	NA	NA	1.240088042	0.184378495	2.44519542	0.075404401	0.939892958	NA	NA
ENSG00000144659	SLC25A38	solute carrier family 25 member 38	54977	542.0511483	0.184404487	0.482470123	0.382209131	0.702306249	0.999371363	Not Sig
ENSG00000102452	NALCN	sodium leak channel, non-selective	259232	244.3289298	0.184426087	0.526620542	0.350206785	0.726183515	0.999371363	Not Sig
ENSG00000117543	DPH5	diphthamide biosynthesis 5	51611	240.8733961	0.184434943	0.553888269	0.332982216	0.739147708	0.999371363	Not Sig
ENSG00000165775	FUNDC2	FUN14 domain containing 2	65991	753.4607881	0.184485085	0.500888901	0.368315378	0.712638087	0.999371363	Not Sig
ENSG00000185024	BRF1	BRF1, RNA polymerase III transcription initiation factor subunit	2972	1246.592838	0.184580111	0.570291268	0.323659367	0.746195937	0.999371363	Not Sig
ENSG00000197647	ZNF433	zinc finger protein 433	163059	92.97133448	0.184583735	0.55548444	0.332293259	0.739667829	0.999371363	Not Sig
ENSG00000170315	UBB	ubiquitin B	7314	6925.774358	0.184614031	0.535201732	0.344942888	0.730137307	0.999371363	Not Sig
ENSG00000217643	NA	NA	NA	2.794602651	0.184811064	1.64939513	0.112047781	0.910785521	NA	NA
ENSG00000013364	MVP	major vault protein	9961	6336.09444	0.184833063	0.509454162	0.362806071	0.716749756	0.999371363	Not Sig
ENSG00000259138	NA	NA	NA	7.420644845	0.18490184	1.153471195	0.160300354	0.87264448	0.999371363	Not Sig
ENSG00000167695	FAM57A	family with sequence similarity 57 member A	79850	280.7696181	0.185005251	0.435866322	0.424454109	0.671234666	0.999371363	Not Sig
ENSG00000119729	RHOQ	ras homolog family member Q	23433	1364.176127	0.185157758	0.55691482	0.332470517	0.739533999	0.999371363	Not Sig
ENSG00000109736	MFSD10	major facilitator superfamily domain containing 10	10227	1292.199594	0.185314286	0.565687714	0.327591144	0.743220818	0.999371363	Not Sig
ENSG00000114473	IQCG	IQ motif containing G	84223	347.473792	0.185328496	0.403972067	0.458765621	0.646402485	0.999371363	Not Sig
ENSG00000243978	RTL9	retrotransposon Gag like 9	57529	5.270344621	0.185354521	1.43036577	0.129585401	0.896894454	NA	NA
ENSG00000132906	CASP9	caspase 9	842	424.8429857	0.185410504	0.42634756	0.43488112	0.663648719	0.999371363	Not Sig
ENSG00000172465	TCEAL1	transcription elongation factor A like 1	9338	201.8900919	0.185454377	0.593617008	0.312414191	0.754725767	0.999371363	Not Sig

ENSG00000055332	EIF2AK2	eukaryotic translation initiation factor 2 alpha kinase 2	5610	2959.351004	0.185468521	0.464093298	0.399636284	0.689424428	0.999371363	Not Sig
ENSG00000113319	RASGRF2	Ras protein specific guanine nucleotide releasing factor 2	5924	397.8736235	0.185702232	0.536377656	0.346215451	0.729180804	0.999371363	Not Sig
ENSG00000141030	COP3	COP9 signalosome subunit 3	8533	579.9005233	0.185748479	0.420745664	0.441474494	0.658869523	0.999371363	Not Sig
ENSG00000201659	NA	NA	NA	2.201081157	0.185752974	1.774164838	0.104698825	0.916614794	NA	NA
ENSG00000131871	SELENOS	selenoprotein S	55829	1008.044256	0.185804099	0.444192634	0.418296219	0.675730554	0.999371363	Not Sig
ENSG00000146425	DYNLT1	dynein light chain Tctex-type 1	6993	947.3229929	0.185895065	0.460145978	0.403991503	0.686218967	0.999371363	Not Sig
ENSG00000029725	RABEP1	rabaptin, RAB GTPase binding effector protein 1	9135	1732.423142	0.186125269	0.442012048	0.421086416	0.67369198	0.999371363	Not Sig
ENSG00000217314	NA	NA	NA	1.521031673	0.186150143	2.023109851	0.092011881	0.9266886	NA	NA
ENSG00000221066	SNORD111	small nucleolar RNA, C/D box 111	692214	7.866092414	0.186539402	1.184025947	0.157546718	0.874813992	0.999371363	Not Sig
ENSG00000087111	PIGS	phosphatidylinositol glycan anchor biosynthesis class S	94005	983.0962373	0.186867415	0.45442406	0.411218135	0.680912592	0.999371363	Not Sig
ENSG00000065057	NTHL1	nth like DNA glycosylase 1	4913	310.1448409	0.187019174	0.647115875	0.289004152	0.7725782	0.999371363	Not Sig
ENSG00000121671	CRY2	cryptochrome circadian regulator 2	1408	1838.001392	0.187061559	0.620694444	0.30137463	0.763128838	0.999371363	Not Sig
ENSG00000091317	CMTM6	CKLF like MARVEL transmembrane domain containing 6	54918	2289.602614	0.187342163	0.473963741	0.395266867	0.692645949	0.999371363	Not Sig
ENSG00000100784	RPS6KA5	ribosomal protein S6 kinase A5	9252	351.630455	0.187403496	0.475416713	0.394187859	0.693442348	0.999371363	Not Sig
ENSG00000240429	NA	NA	NA	104.5473202	0.187600045	0.645817428	0.290484643	0.771445498	0.999371363	Not Sig
ENSG00000065548	ZC3H15	zinc finger CCCH-type containing 15	55854	1072.323845	0.187644577	0.4193141	0.447503617	0.654511477	0.999371363	Not Sig
ENSG00000143333	RGS16	regulator of G protein signaling 16	6004	750.2545817	0.188109301	0.546503523	0.344205101	0.730692046	0.999371363	Not Sig
ENSG00000127884	ECHS1	enoyl-CoA hydratase, short chain 1	1892	1174.255927	0.188136664	0.448359325	0.419611356	0.674769391	0.999371363	Not Sig
ENSG00000217930	PAM16	presequence translocase associated motor 16	51025	145.4128511	0.18823768	0.51220556	0.367504171	0.713242981	0.999371363	Not Sig
ENSG00000152527	PLEKHH2	pleckstrin homology, MyTH4 and FERM domain containing H2	130271	1486.122496	0.188284678	0.720432553	0.261349487	0.793823007	0.999371363	Not Sig
ENSG00000220848	NA	NA	NA	34.55278022	0.188424177	0.589254215	0.319767212	0.749144805	0.999371363	Not Sig
ENSG00000115526	CHST10	carbohydrate sulfotransferase 10	9486	232.7495053	0.188508204	0.691362112	0.272662041	0.785113016	0.999371363	Not Sig
ENSG00000135677	GNS	glucosamine (N-acetyl)-6-sulfatase	2799	5507.702985	0.188518657	0.505196228	0.373159273	0.709029906	0.999371363	Not Sig
ENSG00000182400	TRAPPC6B	trafficking protein particle complex 6B	122553	685.431076	0.188554724	0.488987074	0.385602677	0.699790951	0.999371363	Not Sig
ENSG00000181027	FKRP	fukutin related protein	79147	420.7739874	0.188725088	0.623207343	0.30282873	0.762020387	0.999371363	Not Sig
ENSG00000248449	PCDHGB8P	protocadherin gamma subfamily B, 8 pseudogene	56120	70.42714329	0.189041255	0.557834763	0.338883963	0.734697146	0.999371363	Not Sig
ENSG00000212385	NA	NA	NA	3.201978451	0.189111251	1.917051242	0.098646946	0.921418594	NA	NA
ENSG00000173950	XXYLT1	xyloside xylosyltransferase 1	152002	262.5449202	0.189249494	0.595751009	0.317665419	0.750738745	0.999371363	Not Sig
ENSG00000128045	RASL11B	RAS like family 11 member B	65997	86.50954946	0.189256941	0.655046714	0.288921288	0.772641612	0.999371363	Not Sig
ENSG00000200620	NA	NA	NA	3.933693836	0.189411846	1.258385132	0.150519774	0.880354551	NA	NA
ENSG00000223575	NA	NA	NA	12.65734199	0.189620103	0.88502188	0.214254706	0.830348437	0.999371363	Not Sig
ENSG00000211796	NA	NA	NA	5.589465592	0.189640605	1.343906353	0.141111473	0.88778188	NA	NA
ENSG00000162924	REL	REL proto-oncogene, NF-kB subunit	5966	1276.762375	0.189641931	0.575478227	0.329537977	0.741749094	0.999371363	Not Sig
ENSG00000083093	PALB2	partner and localizer of BRCA2	79728	370.9079677	0.189683857	0.469633538	0.403897597	0.686288024	0.999371363	Not Sig
ENSG00000222009	BTBD19	BTB domain containing 19	149478	342.488157	0.189692553	0.590511213	0.321234463	0.748032717	0.999371363	Not Sig

ENSG00000042980	ADAM28	ADAM metallopeptidase domain 28	10863	835.4330907	0.189709354	0.88860139	0.213492074	0.830943171	0.999371363	Not Sig
ENSG00000211785	NA	NA	NA	6.711540745	0.189729844	1.226563381	0.154684093	0.877070371	0.999371363	Not Sig
ENSG00000166619	BLCAP	bladder cancer associated protein	10904	999.5915625	0.189768129	0.444342709	0.42707605	0.669323937	0.999371363	Not Sig
ENSG00000145293	ENOPH1	enolase-phosphatase 1	58478	604.4317618	0.190065083	0.45144729	0.42101279	0.673745742	0.999371363	Not Sig
ENSG00000257181	NA	NA	NA	49.33034726	0.190158842	0.736584105	0.258163108	0.796281029	0.999371363	Not Sig
ENSG00000184669	OR7E14P	olfactory receptor family 7 subfamily E member 14 pseudogene	10819	39.57913076	0.190162876	0.679424385	0.279888212	0.779563271	0.999371363	Not Sig
ENSG00000269578	NA	NA	NA	9.084332672	0.190400777	1.247840103	0.152584275	0.878726127	0.999371363	Not Sig
ENSG00000185262	UBALD2	UBA like domain containing 2	283991	1247.297912	0.190550061	0.588647804	0.323708099	0.746159039	0.999371363	Not Sig
ENSG00000142409	ZNF787	zinc finger protein 787	126208	816.70679	0.19066114	0.598200078	0.318724699	0.749935284	0.999371363	Not Sig
ENSG00000146826	C7orf43	chromosome 7 open reading frame 43	55262	441.2508346	0.19070392	0.533599157	0.35739172	0.720798575	0.999371363	Not Sig
ENSG00000105518	TMEM205	transmembrane protein 205	374882	428.806176	0.190801912	0.533766537	0.357463234	0.720745046	0.999371363	Not Sig
ENSG00000237766	NA	NA	NA	3.646866115	0.190809104	1.685799512	0.113186119	0.909883001	NA	NA
ENSG00000106333	PCOLCE	procollagen C-endopeptidase enhancer	5118	851.5652125	0.190922178	0.457153673	0.417632383	0.676215916	0.999371363	Not Sig
ENSG00000179151	EDC3	enhancer of mRNA decapping 3	80153	707.2452396	0.190956169	0.451761539	0.422692401	0.672519701	0.999371363	Not Sig
ENSG00000010626	LRRC23	leucine rich repeat containing 23	10233	262.6927679	0.191130012	0.591066321	0.323364747	0.746419024	0.999371363	Not Sig
ENSG00000139220	PTPRF	interacting protein alpha 2	8499	64.57075407	0.191154187	0.835403081	0.228816713	0.819011376	0.999371363	Not Sig
ENSG00000181619	GPR135	G protein-coupled receptor 135	64582	164.4342746	0.191175696	0.504610978	0.378857583	0.704793624	0.999371363	Not Sig
ENSG00000173598	NUDT4	nudix hydrolase 4	11163	1168.543992	0.191201526	0.516968744	0.36985123	0.711493341	0.999371363	Not Sig
ENSG00000118960	HS1BP3	HCLS1 binding protein 3	64342	930.9600791	0.191261932	0.642632077	0.29762276	0.765991102	0.999371363	Not Sig
ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen	4332	505.3241325	0.191296113	0.85309084	0.224238854	0.822571452	0.999371363	Not Sig
ENSG00000100564	PIGH	phosphatidylinositol glycan anchor biosynthesis class H	5283	244.6721986	0.191542812	0.461858997	0.414721404	0.678345862	0.999371363	Not Sig
ENSG00000198034	RPS4X	ribosomal protein S4, X-linked	6191	8868.860059	0.191565656	0.428833876	0.446712975	0.655082312	0.999371363	Not Sig
ENSG00000153574	RPIA	ribose 5-phosphate isomerase A	22934	326.2548246	0.191593034	0.499143926	0.383843265	0.701094619	0.999371363	Not Sig
ENSG00000254051	NA	NA	NA	2.693605793	0.191642408	1.406207324	0.136283182	0.891597419	NA	NA
ENSG00000213699	SLC35F6	solute carrier family 35 member F6	54978	1224.304931	0.191738942	0.497404259	0.385479091	0.699882495	0.999371363	Not Sig
ENSG00000251980	NA	NA	NA	2.029708383	0.191963771	1.845443194	0.104020417	0.917153146	NA	NA
ENSG00000240445	NA	NA	NA	44.25271136	0.192047611	0.741711058	0.258925101	0.79569303	0.999371363	Not Sig
ENSG00000261730	NA	NA	NA	15.70630676	0.192160046	1.048770089	0.183224186	0.854622118	0.999371363	Not Sig
ENSG00000160785	SLC25A44	solute carrier family 25 member 44	9673	818.576352	0.192169899	0.414791046	0.463293267	0.643154171	0.999371363	Not Sig
ENSG00000118855	MFSD1	major facilitator superfamily domain containing 1	64747	1665.889921	0.192236378	0.558407405	0.344258289	0.73065205	0.999371363	Not Sig
ENSG00000127589	NA	NA	NA	6.575345969	0.192486824	1.25473011	0.153408946	0.878075791	NA	NA
ENSG00000155959	VBP1	VHL binding protein 1	7411	445.4066809	0.19252349	0.622674103	0.309188208	0.757178364	0.999371363	Not Sig
ENSG00000264840	NA	NA	NA	1.118350278	0.192655328	2.241675109	0.085942574	0.931512068	NA	NA
ENSG00000157933	SKI	SKI proto-oncogene	6497	4732.597382	0.19266056	0.670491807	0.287342154	0.773850348	0.999371363	Not Sig
ENSG00000099991	CABIN1	calcineurin binding protein 1	23523	3186.496546	0.192747076	0.507807246	0.3795674	0.704266564	0.999371363	Not Sig

ENSG00000119616	FCF1	FCF1, rRNA-processing protein	51077	571.4540576	0.19291008	0.4620054	0.417549405	0.676276595	0.999371363	Not Sig
ENSG00000111678	C12orf57	chromosome 12 open reading frame 57	113246	1000.773492	0.192912208	0.581104961	0.331974808	0.739908282	0.999371363	Not Sig
ENSG00000228624	HDAC2-AS2	HDAC2 and HS3ST5 antisense RNA 2	101927768	21.27076567	0.193194833	0.764541443	0.252693736	0.800504889	0.999371363	Not Sig
ENSG00000081721	DUSP12	dual specificity phosphatase 12	11266	231.7832575	0.193305053	0.425229856	0.454589561	0.649404546	0.999371363	Not Sig
ENSG00000084090	STARD7	StAR related lipid transfer domain containing 7	56910	3183.087203	0.193522046	0.534479811	0.362075502	0.71729561	0.999371363	Not Sig
ENSG00000139132	FGD4	FYVE, RhoGEF and PH domain containing 4	121512	1836.718106	0.193615403	0.603180023	0.320991074	0.748217155	0.999371363	Not Sig
ENSG00000227268	KLLN	killin, p53-regulated DNA replication inhibitor	100144748	26.74411084	0.19365453	0.624854284	0.309919505	0.75662217	0.999371363	Not Sig
ENSG00000237264	NA	NA	NA	18.551729	0.193687915	0.805293668	0.240518363	0.809928429	0.999371363	Not Sig
ENSG00000221866	PLXNA4	plexin A4	91584	298.3897395	0.193863142	0.675614055	0.286943619	0.774155491	0.999371363	Not Sig
ENSG00000149187	CELF1	CUGBP Elav-like family member 1	10658	3690.02954	0.194185252	0.389619865	0.498396692	0.618204468	0.999371363	Not Sig
ENSG00000197249	SERPINA1	serpin family A member 1	5265	17634.6467	0.194206897	0.522605528	0.371612787	0.710181167	0.999371363	Not Sig
ENSG00000145242	EPHA5	EPH receptor A5	2044	7.011045057	0.194304187	1.367594244	0.142077365	0.887018897	0.999371363	Not Sig
ENSG00000103591	AAGAB	alpha and gamma adaptin binding protein	79719	800.8263492	0.194333901	0.425504921	0.456713639	0.647876886	0.999371363	Not Sig
ENSG00000138459	SLC35A5	solute carrier family 35 member A5	55032	551.3087671	0.194365899	0.594307138	0.327046213	0.743632933	0.999371363	Not Sig
ENSG00000164591	MYOZ3	myozenin 3	91977	46.39393694	0.194382099	0.722174997	0.269162044	0.787804987	0.999371363	Not Sig
ENSG00000152284	TCF7L1	transcription factor 7 like 1	83439	490.8204825	0.194524529	0.762160723	0.255227701	0.798547237	0.999371363	Not Sig
ENSG00000103051	COG4	component of oligomeric golgi complex 4	25839	1096.104111	0.19453417	0.424920608	0.457812981	0.647086809	0.999371363	Not Sig
ENSG00000242220	TCP10L	t-complex 10 like	140290	6.38353634	0.194611841	1.462493479	0.133068519	0.894139192	NA	NA
ENSG00000154429	CCSAP	centriole, cilia and spindle associated protein	126731	411.1704172	0.194634908	0.526487268	0.369685877	0.711616556	0.999371363	Not Sig
ENSG00000196569	LAMA2	laminin subunit alpha 2	3908	2588.361073	0.194721033	0.66735613	0.291779792	0.770454997	0.999371363	Not Sig
ENSG00000267419	NA	NA	NA	28.51397684	0.194731407	0.582640228	0.334222385	0.738211754	0.999371363	Not Sig
ENSG00000251379	NA	NA	NA	6.020786595	0.194851705	1.237933427	0.157400794	0.874928987	NA	NA
ENSG00000160298	C21orf58	chromosome 21 open reading frame 58	54058	235.5116471	0.194969928	0.677309578	0.287859399	0.773454367	0.999371363	Not Sig
ENSG00000254481	NA	NA	NA	2.794187644	0.195132938	1.574710281	0.123916723	0.901381212	NA	NA
ENSG00000179526	SHARPIN	SHANK associated RH domain interactor	81858	972.940127	0.195159341	0.5907479	0.330359771	0.741128135	0.999371363	Not Sig
ENSG00000188522	FAM83G	family with sequence similarity 83 member G	644815	587.1187441	0.195344379	0.549854409	0.35526564	0.722390594	0.999371363	Not Sig
ENSG00000199460	NA	NA	NA	2.329256457	0.195709754	1.592696431	0.122879508	0.902202513	NA	NA
ENSG00000169302	STK32A	serine/threonine kinase 32A	202374	523.0677231	0.195746521	0.922898305	0.212099773	0.832029196	0.999371363	Not Sig
ENSG00000160963	COL26A1	collagen type XXVI alpha 1 chain	136227	15.24394428	0.195788265	1.181060327	0.165773297	0.868335361	0.999371363	Not Sig
ENSG00000187475	HIST1H1T	histone cluster 1 H1 family member t	3010	3.408710334	0.195814577	1.374771106	0.142434313	0.886736961	NA	NA
ENSG00000230074	NA	NA	NA	63.03653582	0.196033305	0.592570698	0.330817994	0.740781968	0.999371363	Not Sig
ENSG00000160973	FOXH1	forkhead box H1	8928	4.526025644	0.196101825	1.571142125	0.124814823	0.900670152	NA	NA
ENSG00000115762	PLEKHB2	pleckstrin homology domain containing B2	55041	2358.787033	0.196106577	0.540020657	0.363146436	0.716495498	0.999371363	Not Sig
ENSG00000053770	AP5M1	adaptor related protein complex 5 mu 1 subunit	55745	728.9972888	0.196355567	0.467553812	0.419963567	0.674512069	0.999371363	Not Sig
ENSG00000221539	SNORD99	small nucleolar RNA, C/D box 99	692212	13.13999158	0.19635763	0.839771984	0.233822554	0.81512274	0.999371363	Not Sig

ENSG00000235852	NA	NA	NA	21.80029084	0.196501772	1.164962424	0.168676489	0.866051113	0.999371363	Not Sig
ENSG00000226049	NA	NA	NA	2.30651213	0.196919437	2.052213104	0.095954673	0.923556572	NA	NA
ENSG00000163798	SLC4A1AP	solute carrier family 4 member 1 adaptor protein	22950	656.0828051	0.196994658	0.417765737	0.471543355	0.637252767	0.999371363	Not Sig
ENSG00000161904	LEMD2	LEM domain containing 2	221496	1456.568196	0.197297996	0.493988871	0.399397653	0.689600223	0.999371363	Not Sig
ENSG00000204620	NA	NA	NA	5.350036641	0.197327304	1.405022555	0.140444226	0.888309017	NA	NA
ENSG00000271063	NA	NA	NA	1.089168415	0.197464491	2.528709968	0.078089023	0.937757239	NA	NA
ENSG00000217527	NA	NA	NA	39.86145384	0.197512679	0.584300041	0.338032971	0.735338341	0.999371363	Not Sig
ENSG00000265871	MIR3174	microRNA 3174	100422841	29.84116937	0.197567531	0.673775545	0.29322455	0.769350521	0.999371363	Not Sig
ENSG00000204366	ZBTB12	zinc finger and BTB domain containing 12	221527	143.7961352	0.197586394	0.558188033	0.353978198	0.723355222	0.999371363	Not Sig
ENSG00000248593	DSTNP2	destrin, actin depolymerizing factor pseudogene 2	171220	86.34087777	0.197647697	0.493502417	0.400499957	0.688788315	0.999371363	Not Sig
ENSG00000171208	NETO2	neuropilin and tolloid like 2	81831	228.3734139	0.197869809	0.558012945	0.354597166	0.7228914	0.999371363	Not Sig
ENSG00000261662	NA	NA	NA	26.92759586	0.197932275	0.608325064	0.325372547	0.744899131	0.999371363	Not Sig
ENSG00000107018	RLN1	relaxin 1	6013	2.197804155	0.197964905	1.800043866	0.109977823	0.912426963	NA	NA
ENSG00000156697	UTP14A	UTP14A, small subunit processome component	10813	481.1777209	0.198068201	0.429423154	0.461242481	0.644624647	0.999371363	Not Sig
ENSG00000204569	PPP1R10	protein phosphatase 1 regulatory subunit 10	5514	2581.979884	0.198217898	0.441275778	0.44919279	0.653292588	0.999371363	Not Sig
ENSG00000261572	NA	NA	NA	54.45137175	0.198384785	0.793565243	0.249991776	0.802593708	0.999371363	Not Sig
ENSG00000111261	MANSC1	MANSC domain containing 1	54682	456.884632	0.198486657	0.525999804	0.377351199	0.705912628	0.999371363	Not Sig
ENSG00000270149	NA	NA	NA	9.651473165	0.198816639	0.87203609	0.227991297	0.819653006	0.999371363	Not Sig
ENSG00000213790	NA	NA	NA	2.198064444	0.198841153	1.819709528	0.109270821	0.91298769	NA	NA
ENSG00000238137	NA	NA	NA	2.198064444	0.198841153	1.819709528	0.109270821	0.91298769	NA	NA
ENSG00000169248	CXCL11	C-X-C motif chemokine ligand 11	6373	50.06871339	0.198864886	1.018616549	0.19523037	0.845212605	0.999371363	Not Sig
ENSG00000188033	ZNF490	zinc finger protein 490	57474	124.8149518	0.199202302	0.480697564	0.414402561	0.678579313	0.999371363	Not Sig
ENSG00000180035	ZNF48	zinc finger protein 48	197407	254.0037006	0.199358215	0.513641013	0.388127524	0.697921664	0.999371363	Not Sig
ENSG00000143294	PRCC	papillary renal cell carcinoma (translocation-associated)	5546	1161.136639	0.199367576	0.492271198	0.404995411	0.685480884	0.999371363	Not Sig
ENSG00000198382	UVRAG	UV radiation resistance associated	7405	931.1709908	0.199451475	0.487771016	0.408903908	0.682610181	0.999371363	Not Sig
ENSG00000270714	NA	NA	NA	1.79512276	0.199732949	1.933777601	0.103286411	0.91773566	NA	NA
ENSG00000121988	ZRANB3	zinc finger RANBP2-type containing 3	84083	114.1352043	0.199750029	0.572289504	0.349036681	0.727061772	0.999371363	Not Sig
ENSG00000179091	CYC1	cytochrome c1	1537	1176.294733	0.199873798	0.650076089	0.30746216	0.758491621	0.999371363	Not Sig
ENSG00000215274	GAGE10	G antigen 10	102724473	1.459955287	0.199974444	2.080727324	0.096107953	0.923434835	NA	NA
ENSG00000163166	IWS1	IWS1, SUPT6H interacting protein	55677	1578.632475	0.200258711	0.524045452	0.382139965	0.702357549	0.999371363	Not Sig
ENSG00000184787	UBE2G2	ubiquitin conjugating enzyme E2 G2	7327	1848.026521	0.200572105	0.431586363	0.464732259	0.642123204	0.999371363	Not Sig
ENSG00000160299	PCNT	pericentrin	5116	1902.65886	0.200691423	0.539646614	0.371894158	0.709971655	0.999371363	Not Sig
ENSG00000106392	C1GALT1	core 1 synthase, galactose-3-epimerase 1	56913	1326.253166	0.200692618	0.719712386	0.278851138	0.780359068	0.999371363	Not Sig
ENSG00000102805	CLN5	CLN5, intracellular trafficking protein	1203	669.0592762	0.200809079	0.428201691	0.468959099	0.639098872	0.999371363	Not Sig
ENSG00000116574	RHOU	ras homolog family member U	58480	1287.015338	0.200856731	0.602336186	0.333462834	0.73878494	0.999371363	Not Sig

ENSG00000228474	OST4	oligosaccharyltransferase complex subunit 4, non-catalytic	100128731	929.4262609	0.200857516	0.500505984	0.40130892	0.688192697	0.999371363	Not Sig
ENSG00000074935	TUBE1	tubulin epsilon 1	51175	303.7012272	0.200983618	0.485147336	0.414273362	0.67867392	0.999371363	Not Sig
ENSG00000177409	SAMD9L	sterile alpha motif domain containing 9 like	219285	1744.241639	0.201024319	0.802559443	0.250479041	0.802216911	0.999371363	Not Sig
ENSG00000206603	SNORA22B	small nucleolar RNA, H/ACA box 22B	109616964	5.82505361	0.201291854	1.114745741	0.180571987	0.856703545	NA	NA
ENSG00000205791	LOH12CR2	loss of heterozygosity, 12, chromosomal region 2 (non-protein coding)	503693	10.70116426	0.201433972	1.047337248	0.192329617	0.84748402	0.999371363	Not Sig
ENSG00000183576	SETD3	SET domain containing 3	84193	1798.361824	0.201526587	0.48773174	0.413191455	0.679466348	0.999371363	Not Sig
ENSG00000214223	HNRNPA1P10	heterogeneous nuclear ribonucleoprotein A1 pseudogene 10	664709	8.561048538	0.201527405	1.077045391	0.187111339	0.851573338	0.999371363	Not Sig
ENSG00000219755	NA	NA	NA	15.97164194	0.201559262	0.956660503	0.210690482	0.833128802	0.999371363	Not Sig
ENSG00000100983	GSS	glutathione synthetase	2937	619.4420208	0.201572859	0.441630181	0.456429084	0.648081456	0.999371363	Not Sig
ENSG00000196586	MYO6	myosin VI	4646	5733.307833	0.20161512	0.576006944	0.35002203	0.726322164	0.999371363	Not Sig
ENSG00000198604	BAZ1A	bromodomain adjacent to zinc finger domain 1A	11177	1843.078877	0.20186116	0.373578929	0.540344073	0.588959769	0.999371363	Not Sig
ENSG00000205106	DKFZp779M0652	uncharacterized DKFZp779M0652	374387	4.709432285	0.202109778	1.500518229	0.134693318	0.892854357	NA	NA
ENSG00000243147	MRPL33	mitochondrial ribosomal protein L33	9553	614.3959391	0.202388701	0.527327768	0.383800576	0.701126261	0.999371363	Not Sig
ENSG00000258412	NA	NA	NA	18.41868051	0.202407848	0.87594729	0.231073092	0.817258019	0.999371363	Not Sig
ENSG00000128641	MYO1B	myosin IB	4430	5884.154388	0.202434563	0.568540368	0.35606014	0.721795528	0.999371363	Not Sig
ENSG00000141026	MED9	mediator complex subunit 9	55090	281.3512327	0.202549351	0.402638631	0.503054936	0.614925649	0.999371363	Not Sig
ENSG00000154957	ZNF18	zinc finger protein 18	7566	199.559012	0.202817195	0.452215716	0.448496564	0.653794865	0.999371363	Not Sig
ENSG00000258922	NA	NA	NA	22.2369556	0.202845004	0.726116548	0.279355986	0.779971645	0.999371363	Not Sig
ENSG00000182827	ACBD3	acyl-CoA binding domain containing 3	64746	2595.177867	0.202923213	0.502342437	0.403953954	0.68624658	0.999371363	Not Sig
ENSG00000119669	IRF2BPL	interferon regulatory factor 2 binding protein like	64207	2392.945451	0.202978359	0.516220078	0.393201209	0.694170877	0.999371363	Not Sig
ENSG00000196182	STK40	serine/threonine kinase 40	83931	2236.952733	0.203030815	0.569485672	0.356516107	0.721454092	0.999371363	Not Sig
ENSG00000149269	PAK1	p21 (RAC1) activated kinase 1	5058	1349.647478	0.203043116	0.477026512	0.425643252	0.670367819	0.999371363	Not Sig
ENSG00000062716	VMP1	vacuole membrane protein 1	81671	14251.80598	0.203047718	0.705418154	0.287840222	0.773469047	0.999371363	Not Sig
ENSG00000167383	NA	NA	NA	114.9337774	0.203069654	0.951696408	0.213376506	0.831033304	0.999371363	Not Sig
ENSG00000254681	NA	NA	NA	201.2026688	0.20329463	0.611760315	0.332310916	0.739654498	0.999371363	Not Sig
ENSG00000105011	ASF1B	anti-silencing function 1B histone chaperone	55723	92.81502049	0.203588794	0.792886376	0.256769192	0.797356954	0.999371363	Not Sig
ENSG00000137364	TPMT	thiopurine S-methyltransferase	7172	640.345435	0.203858211	0.556882333	0.366070531	0.714312446	0.999371363	Not Sig
ENSG00000197043	ANXA6	annexin A6	309	2866.381643	0.204014057	0.689252439	0.295993232	0.76723525	0.999371363	Not Sig
ENSG00000152822	GRM1	glutamate metabotropic receptor 1	2911	5.311112769	0.204021954	1.11414548	0.183119671	0.854704121	NA	NA
ENSG00000207327	NA	NA	NA	4.371275569	0.204176257	1.396047596	0.146253078	0.883721606	NA	NA
ENSG00000127054	INTS11	integrator complex subunit 11	54973	1417.335332	0.204178419	0.503431538	0.405573357	0.685056108	0.999371363	Not Sig
ENSG00000027697	IFNGR1	interferon gamma receptor 1	3459	2369.851721	0.204289233	0.513176175	0.398087915	0.690565382	0.999371363	Not Sig
ENSG00000172123	SLFN12	schlafen family member 12	55106	338.9423322	0.204546854	0.637080016	0.321069331	0.748157851	0.999371363	Not Sig
ENSG00000111639	MRPL51	mitochondrial ribosomal protein L51	51258	637.6580227	0.204555053	0.414616955	0.493359112	0.621758867	0.999371363	Not Sig
ENSG00000165502	RPL36AL	ribosomal protein L36a like	6166	1007.293261	0.204639228	0.444640735	0.460234999	0.645347552	0.999371363	Not Sig

ENSG00000100938	GMPR2	guanosine monophosphate reductase 2	51292	782.3166376	0.204711424	0.475153825	0.430831897	0.666590605	0.999371363	Not Sig
ENSG00000265891	NA	NA	NA	2.326239745	0.204846275	1.730748434	0.118357048	0.905784757	NA	NA
ENSG00000162493	PDPN	podoplanin	10630	442.1884249	0.204944308	0.697173103	0.293964737	0.768784849	0.999371363	Not Sig
ENSG00000183715	OPCML	opioid binding protein/cell adhesion molecule like	4978	4.416194498	0.204948765	1.440361916	0.142289769	0.886851127	NA	NA
ENSG00000136261	BZW2	basic leucine zipper and W2 domains 2	28969	1060.963912	0.205003459	0.622015975	0.32957909	0.741718024	0.999371363	Not Sig
ENSG00000128254	C22orf24	chromosome 22 open reading frame 24	25775	1.765940897	0.205117331	1.896668941	0.108146091	0.913879807	NA	NA
ENSG00000228158	NA	NA	NA	5.590467987	0.205129543	1.036666133	0.197874259	0.843143444	NA	NA
ENSG00000128602	SMO	smoothed, frizzled class receptor	6608	300.8305929	0.205137969	0.665660177	0.308172212	0.757951296	0.999371363	Not Sig
ENSG00000117899	MESD	mesoderm development LRP chaperone	23184	1173.728643	0.205250561	0.411933408	0.498261509	0.618299734	0.999371363	Not Sig
ENSG00000170791	CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7	79145	496.9812784	0.205287655	0.421469456	0.487075997	0.626204476	0.999371363	Not Sig
ENSG00000252277	SNORD116-30	small nucleolar RNA, C/D box 116-30	100873856	8.652553179	0.205320153	1.053095322	0.194968251	0.845417803	0.999371363	Not Sig
ENSG00000168394	TAP1	transporter 1, ATP binding cassette subfamily B member	6890	2427.579233	0.205897442	0.74220936	0.27741154	0.781464121	0.999371363	Not Sig
ENSG00000258741	NA	NA	NA	14.85055289	0.206127026	0.813614859	0.253347175	0.799999944	0.999371363	Not Sig
ENSG00000272661	NA	NA	NA	9.392511039	0.206343637	0.932566532	0.221264253	0.824886682	0.999371363	Not Sig
ENSG00000203710	CRI	complement C3b/C4b receptor 1 (Knops blood group)	1378	304.4867303	0.206409533	0.657879282	0.31374986	0.753711028	0.999371363	Not Sig
ENSG00000104814	MAP4K1	mitogen-activated protein kinase kinase kinase 1	11184	252.7886849	0.206437611	0.749242856	0.275528301	0.782910386	0.999371363	Not Sig
ENSG00000265337	NA	NA	NA	22.85455711	0.206489076	0.753303454	0.274111416	0.783999001	0.999371363	Not Sig
ENSG00000224157	HCG14	HLA complex group 14 (non-protein coding)	414760	4.289458276	0.206603811	1.296163175	0.159396452	0.873356534	NA	NA
ENSG00000236439	NA	NA	NA	2.00052652	0.206645834	1.685521498	0.122600533	0.902423432	NA	NA
ENSG00000108733	PEX12	peroxisomal biogenesis factor 12	5193	147.1572469	0.206751235	0.433722155	0.476690509	0.633582523	0.999371363	Not Sig
ENSG00000215895	NA	NA	NA	4.81428706	0.206857209	1.167355273	0.177201589	0.859350048	NA	NA
ENSG00000181035	SLC25A42	solute carrier family 25 member 42	284439	262.0713248	0.207260325	0.757184291	0.273725073	0.784295908	0.999371363	Not Sig
ENSG00000153898	MCOLN2	mucolipin 2	255231	138.9234389	0.207282265	0.721175188	0.287422902	0.773788528	0.999371363	Not Sig
ENSG00000151746	BICD1	BICD cargo adaptor 1	636	659.774529	0.207395741	0.550265548	0.376901192	0.706247035	0.999371363	Not Sig
ENSG00000182446	NPLOC4	NPL4 homolog, ubiquitin recognition factor	55666	3663.198666	0.20742276	0.475062722	0.43662184	0.662385621	0.999371363	Not Sig
ENSG00000150783	TEX12	testis expressed 12	56158	3.891780722	0.207854925	1.692910061	0.122779662	0.90228158	NA	NA
ENSG00000224956	NA	NA	NA	26.92797387	0.208018338	0.660146763	0.315109231	0.75267872	0.999371363	Not Sig
ENSG00000149150	SLC43A1	solute carrier family 43 member 1	8501	409.2011229	0.2080663	0.790698203	0.263142497	0.79244075	0.999371363	Not Sig
ENSG00000237133	NA	NA	NA	6.594227276	0.208123741	1.130520013	0.184095583	0.853938472	0.999371363	Not Sig
ENSG00000243056	EIF4EBP3	eukaryotic translation initiation factor 4E binding protein 3	8637	17.0173254	0.208269718	0.72053521	0.289048633	0.772544161	0.999371363	Not Sig
ENSG00000251450	RASGRF2-AS1	RASGRF2 antisense RNA 1	102524628	6.994041292	0.208301468	1.15244711	0.180747096	0.85656609	0.999371363	Not Sig
ENSG00000118689	FOXO3	forkhead box O3	2309	2769.077565	0.20844828	0.515616455	0.404270031	0.686014161	0.999371363	Not Sig
ENSG00000108561	C1QBP	complement C1q binding protein	708	958.8845795	0.208508389	0.385439173	0.54096315	0.588532982	0.999371363	Not Sig
ENSG00000168061	SAC3D1	SAC3 domain containing 1	29901	164.6214776	0.208619922	0.66669519	0.312916495	0.754344105	0.999371363	Not Sig
ENSG00000068878	PSME4	proteasome activator subunit 4	23198	2846.368148	0.208677836	0.490038191	0.425839945	0.670224478	0.999371363	Not Sig

ENSG00000067829	IDH3G	isocitrate dehydrogenase 3 (NAD(+)) gamma	3421	731.3753434	0.209070439	0.477696932	0.437663348	0.661630342	0.999371363	Not Sig
ENSG00000095059	DHPS	deoxyhypusine synthase	1725	722.8124832	0.209122509	0.586229618	0.356724571	0.721298009	0.999371363	Not Sig
ENSG00000151116	UEVLD	UEV and lactate/malate dehydrogenase domains	55293	610.3579	0.209130086	0.567744986	0.36835215	0.712610672	0.999371363	Not Sig
ENSG00000184530	C6orf58	chromosome 6 open reading frame 58	352999	6.730843532	0.209231975	0.982133798	0.213038157	0.8312972	0.999371363	Not Sig
ENSG00000235726	NA	NA	NA	17.65613196	0.209500095	0.870054299	0.240789678	0.80971813	0.999371363	Not Sig
ENSG00000132478	UNK	unkempt family zinc finger	85451	1130.020807	0.209547537	0.495481577	0.42291691	0.672355885	0.999371363	Not Sig
ENSG00000204310	AGPAT1	1-acylglycerol-3-phosphate 0-acyltransferase 1	10554	1540.682087	0.209555414	0.58157955	0.360321153	0.718606982	0.999371363	Not Sig
ENSG00000197965	MPZL1	myelin protein zero like 1	9019	2507.761584	0.209659195	0.573783707	0.36539761	0.714814625	0.999371363	Not Sig
ENSG00000087269	NOP14	NOP14 nucleolar protein	8602	870.0592487	0.209672978	0.438711068	0.477929538	0.632700357	0.999371363	Not Sig
ENSG00000138430	OLA1	Obg like ATPase 1	29789	786.99828	0.209732077	0.542463924	0.386628617	0.699031169	0.999371363	Not Sig
ENSG00000237161	NA	NA	NA	17.01439797	0.209978072	0.763428304	0.275046223	0.783280726	0.999371363	Not Sig
ENSG00000180979	LRRC57	leucine rich repeat containing 57	255252	432.1235707	0.210002939	0.437819712	0.479656199	0.631471878	0.999371363	Not Sig
ENSG00000228572	NA	NA	NA	1.637765597	0.210004236	2.622836085	0.080067617	0.936183478	NA	NA
ENSG00000112062	MAPK14	mitogen-activated protein kinase 14	1432	1799.618145	0.210083022	0.451829024	0.464961327	0.641959151	0.999371363	Not Sig
ENSG00000054523	KIF1B	kinesin family member 1B	23095	3783.422309	0.210116319	0.4004956	0.524640768	0.599832941	0.999371363	Not Sig
ENSG00000109111	SUPT6H	SPT6 homolog, histone chaperone	6830	4151.019367	0.210202123	0.416022407	0.505266349	0.613371775	0.999371363	Not Sig
ENSG00000138030	KHK	ketohexokinase	3795	83.55744162	0.210297192	0.766979541	0.274188789	0.783939543	0.999371363	Not Sig
ENSG00000188612	SUMO2	small ubiquitin-like modifier 2	6613	1815.646064	0.210315029	0.487661137	0.431272892	0.666269959	0.999371363	Not Sig
ENSG00000215565	NA	NA	NA	6.505135959	0.210403711	1.159586134	0.181447246	0.856016537	NA	NA
ENSG00000110871	COQ5	coenzyme Q5, methyltransferase	84274	301.9496415	0.21078129	0.453796867	0.464483793	0.642301168	0.999371363	Not Sig
ENSG00000007202	KIAA0100	KIAA0100	9703	5885.721706	0.210832598	0.431039904	0.489125475	0.624752867	0.999371363	Not Sig
ENSG00000137752	CASP1	caspase 1	834	619.2635308	0.210859037	0.838778882	0.251388109	0.80151406	0.999371363	Not Sig
ENSG00000160193	WDR4	WD repeat domain 4	10785	311.9226875	0.210933807	0.591071686	0.356866709	0.721191593	0.999371363	Not Sig
ENSG00000180329	CCDC43	coiled-coil domain containing 43	124808	446.7323006	0.210940189	0.452641667	0.466020263	0.641200997	0.999371363	Not Sig
ENSG00000118518	RNF146	ring finger protein 146	81847	786.3604411	0.210962699	0.405669743	0.520035577	0.603038779	0.999371363	Not Sig
ENSG00000204381	LAYN	layilin	143903	193.3779051	0.210987798	0.589502508	0.357908227	0.720411994	0.999371363	Not Sig
ENSG00000103035	PSMD7	proteasome 26S subunit, non-ATPase 7	5713	1316.018314	0.211049511	0.466430485	0.452477954	0.6509247	0.999371363	Not Sig
ENSG00000067334	DNTTIP2	deoxynucleotidyltransferase terminal interacting protein 2	30836	926.910548	0.211075927	0.420829966	0.501570573	0.615969623	0.999371363	Not Sig
ENSG00000104490	NCALD	neurocalcin delta	83988	608.5391619	0.211132233	0.824701716	0.25601042	0.797942792	0.999371363	Not Sig
ENSG00000102054	RBBP7	RB binding protein 7, chromatin remodeling factor	5931	1419.523709	0.211136602	0.479785857	0.440064246	0.659890576	0.999371363	Not Sig
ENSG00000164323	CFAP97	cilia and flagella associated protein 97	57587	1059.32811	0.211146376	0.546924522	0.386061271	0.699451292	0.999371363	Not Sig
ENSG00000155363	MOV10	Mov10 RISC complex RNA helicase	4343	1426.613214	0.211255412	0.590722996	0.357621784	0.720626374	0.999371363	Not Sig
ENSG00000100336	APOL4	apolipoprotein L4	80832	271.6155433	0.211490977	0.831404428	0.254377978	0.799203563	0.999371363	Not Sig
ENSG00000055211	GINM1	glycoprotein integral membrane 1	116254	932.9991449	0.211497421	0.412906071	0.512216787	0.608499296	0.999371363	Not Sig
ENSG00000070785	EIF2B3	eukaryotic translation initiation factor 2B subunit gamma	8891	302.7141941	0.211717555	0.415638884	0.509378605	0.61048687	0.999371363	Not Sig

ENSG00000095321	CRAT	carnitine O-acetyltransferase	1384	660.3125735	0.211763422	0.57961123	0.365354242	0.714846994	0.999371363	Not Sig
ENSG00000080546	SESN1	sestrin 1	27244	688.3882747	0.211791724	0.61782642	0.342801339	0.731747918	0.999371363	Not Sig
ENSG00000136631	VPS45	vacuolar protein sorting 45 homolog	11311	815.8394289	0.211931841	0.508613665	0.416685307	0.676908603	0.999371363	Not Sig
ENSG00000131495	NDUFA2	NADH:ubiquinone oxidoreductase subunit A2	4695	404.8769293	0.212186926	0.603149786	0.351798063	0.724989711	0.999371363	Not Sig
ENSG00000158122	AAED1	AhpC/TSA antioxidant enzyme domain containing 1	195827	318.4831319	0.212311524	0.470315352	0.451423759	0.651684163	0.999371363	Not Sig
ENSG00000241218	NA	NA	NA	3.023465373	0.21237335	1.674241901	0.12684747	0.899061123	NA	NA
ENSG00000197976	AKAP17A	A-kinase anchoring protein 17A	8227	1702.956273	0.212497827	0.490011077	0.43365923	0.664535916	0.999371363	Not Sig
ENSG00000111729	CLEC4A	C-type lectin domain family 4 member A	50856	84.89990434	0.212587493	0.723767277	0.293723548	0.768969159	0.999371363	Not Sig
ENSG00000156521	TYSND1	trypsin domain containing 1	219743	410.4605966	0.213005655	0.535327483	0.397897851	0.690705484	0.999371363	Not Sig
ENSG00000197442	MAP3K5	mitogen-activated protein kinase kinase kinase 5	4217	1919.578411	0.213038109	0.455409157	0.467794961	0.639931225	0.999371363	Not Sig
ENSG00000223324	NA	NA	NA	9.762346032	0.213325712	1.170249655	0.182290771	0.855354541	0.999371363	Not Sig
ENSG00000040933	INPP4A	inositol polyphosphate-4-phosphatase type I A	3631	1666.08735	0.213381717	0.424700578	0.502428601	0.615366065	0.999371363	Not Sig
ENSG00000186625	KATNA1	katanin catalytic subunit A1	11104	278.9460713	0.213564687	0.407467521	0.524126896	0.600190283	0.999371363	Not Sig
ENSG00000242349	NA	NA	NA	42.94130857	0.213620183	0.792281117	0.269626751	0.787447418	0.999371363	Not Sig
ENSG00000169855	ROBO1	roundabout guidance receptor 1	6091	1218.497825	0.213852034	0.480480342	0.445079675	0.656262177	0.999371363	Not Sig
ENSG00000111875	ASF1A	anti-silencing function 1A histone chaperone	25842	377.6705582	0.214109822	0.49013594	0.436837629	0.662229107	0.999371363	Not Sig
ENSG00000166181	API5	apoptosis inhibitor 5	8539	2164.098621	0.214190697	0.529602499	0.404436718	0.685891604	0.999371363	Not Sig
ENSG00000103351	CLUAP1	clusterin associated protein 1	23059	498.3110608	0.214289556	0.390045619	0.549396137	0.582733625	0.999371363	Not Sig
ENSG00000005448	WDR54	WD repeat domain 54	84058	155.6997323	0.21435836	0.735098755	0.291604847	0.770588769	0.999371363	Not Sig
ENSG00000067704	IARS2	isoleucyl-tRNA synthetase 2, mitochondrial	55699	2473.750539	0.214423159	0.483062196	0.443883129	0.657127083	0.999371363	Not Sig
ENSG00000132361	CLUH	clustered mitochondria homolog	23277	1879.379303	0.214814764	0.487040248	0.441061628	0.659168382	0.999371363	Not Sig
ENSG00000110911	SLC11A2	solute carrier family 11 member 2	4891	1951.027679	0.214869896	0.572901891	0.375055309	0.707619333	0.999371363	Not Sig
ENSG00000240964	NA	NA	NA	11.25390808	0.214939986	0.905924007	0.237260503	0.812454701	0.999371363	Not Sig
ENSG00000164169	PRMT9	protein arginine methyltransferase 9	90826	367.1972892	0.214943809	0.443563332	0.484584261	0.627971281	0.999371363	Not Sig
ENSG00000135409	AMHR2	anti-Mullerian hormone receptor type 2	269	3.787783444	0.215078746	1.841306237	0.1168077	0.907012442	NA	NA
ENSG00000183307	TMEM121B	transmembrane protein 121B	27439	39.60437288	0.21545271	0.847956091	0.254084748	0.799430086	0.999371363	Not Sig
ENSG00000168887	C2orf68	chromosome 2 open reading frame 68	388969	867.7363287	0.215553672	0.429656693	0.501688152	0.6158869	0.999371363	Not Sig
ENSG00000170647	TMEM133	transmembrane protein 133	83935	161.731563	0.215644065	0.652836471	0.330318655	0.741159199	0.999371363	Not Sig
ENSG00000112365	ZBTB24	zinc finger and BTB domain containing 24	9841	450.4196982	0.215814525	0.445381354	0.484561204	0.627987639	0.999371363	Not Sig
ENSG00000115816	CEBPZ	CCAAT/enhancer binding protein zeta	10153	1182.140729	0.215876748	0.413121468	0.522550301	0.601287234	0.999371363	Not Sig
ENSG00000108883	EFTUD2	elongation factor Tu GTP binding domain containing 2	9343	1765.983649	0.215928574	0.429305549	0.502971775	0.614984117	0.999371363	Not Sig
ENSG00000251034	NA	NA	NA	45.72082351	0.215934567	0.869654133	0.248299363	0.803902792	0.999371363	Not Sig
ENSG00000182810	DDX28	DEAD-box helicase 28	55794	175.1148309	0.216052462	0.590808628	0.365689415	0.714596845	0.999371363	Not Sig
ENSG00000169100	SLC25A6	solute carrier family 25 member 6	293	5521.33885	0.216215724	0.474569158	0.455604246	0.648674589	0.999371363	Not Sig
ENSG00000113838	TBCCD1	TBCC domain containing 1	55171	248.4594351	0.216275715	0.405535656	0.533308754	0.593819869	0.999371363	Not Sig

ENSG00000132142	NA	NA	NA	3680.602923	0.216580864	0.498986058	0.434041915	0.664258004	0.999371363	Not Sig
ENSG00000124780	KCNK17	potassium two pore domain channel subfamily K member 17	89822	61.78507757	0.217252113	0.808990108	0.268547304	0.788278068	0.999371363	Not Sig
ENSG00000258824	NA	NA	NA	31.28362793	0.217325137	0.701336703	0.309872757	0.756657721	0.999371363	Not Sig
ENSG00000171174	RBKS	ribokinase	64080	120.57409	0.217344587	0.556207767	0.390761511	0.695973527	0.999371363	Not Sig
ENSG00000188229	TUBB4B	tubulin beta 4B class IVb	10383	3795.666539	0.217439212	0.676885478	0.321234861	0.748032416	0.999371363	Not Sig
ENSG00000138085	ATRAID	all-trans retinoic acid induced differentiation factor	51374	1180.638267	0.217485165	0.44599589	0.487639393	0.625805288	0.999371363	Not Sig
ENSG00000196739	COL27A1	collagen type XXVII alpha 1 chain	85301	1495.847342	0.217519144	0.616137637	0.353036612	0.724060993	0.999371363	Not Sig
ENSG00000197580	BCO2	beta-carotene oxygenase 2	83875	69.0772641	0.217559685	0.524050019	0.415150611	0.678031652	0.999371363	Not Sig
ENSG00000133318	RTN3	reticulon 3	10313	2505.47084	0.217575341	0.378902065	0.574225799	0.565815013	0.999371363	Not Sig
ENSG00000138131	LOXL4	lysyl oxidase like 4	84171	321.8942573	0.217792319	0.722598291	0.301401653	0.763108234	0.999371363	Not Sig
ENSG00000160113	NR2F6	nuclear receptor subfamily 2 group F member 6	2063	1156.678508	0.217845316	0.566037221	0.384860408	0.700340841	0.999371363	Not Sig
ENSG00000132394	EEFSEC	eukaryotic elongation factor, selenocysteine-tRNA specific	60678	434.8346274	0.217886277	0.515710007	0.42249767	0.672661801	0.999371363	Not Sig
ENSG00000183696	UPP1	uridine phosphorylase 1	7378	1334.14314	0.217955338	0.651643217	0.334470355	0.738024657	0.999371363	Not Sig
ENSG00000143158	MPC2	mitochondrial pyruvate carrier 2	25874	687.9831493	0.218036288	0.470592984	0.463322436	0.643133266	0.999371363	Not Sig
ENSG00000008394	MGST1	microsomal glutathione S-transferase 1	4257	1938.622376	0.218208514	0.74198546	0.294087318	0.768691182	0.999371363	Not Sig
ENSG00000215346	NA	NA	NA	33.1045498	0.218229609	0.818646526	0.266573671	0.78979743	0.999371363	Not Sig
ENSG00000250966	NA	NA	NA	1.929995885	0.218451603	1.845307063	0.118382251	0.905764789	NA	NA
ENSG00000136104	RNASEH2B	ribonuclease H2 subunit B	79621	507.3638055	0.218708616	0.466768823	0.46855875	0.639385068	0.999371363	Not Sig
ENSG00000169621	PROKR1	prokineticin receptor 1	10887	187.2409258	0.218828076	0.456259662	0.479613022	0.631502585	0.999371363	Not Sig
ENSG00000169621	APLF	aprataxin and PNKP like factor	200558	187.2409258	0.218828076	0.456259662	0.479613022	0.631502585	0.999371363	Not Sig
ENSG00000155926	SLA	Src like adaptor	6503	866.7182939	0.218910608	0.786441915	0.278355723	0.780739305	0.999371363	Not Sig
ENSG00000101361	NOP56	NOP56 ribonucleoprotein	10528	1033.615504	0.218925569	0.484055227	0.452273948	0.651071641	0.999371363	Not Sig
ENSG00000267554	NA	NA	NA	43.34508384	0.218938627	0.728051484	0.300718605	0.76362908	0.999371363	Not Sig
ENSG00000217130	NA	NA	NA	4.797415926	0.219103431	1.141601193	0.191926421	0.847799841	NA	NA
ENSG00000100335	MIEF1	mitochondrial elongation factor 1	54471	915.6901705	0.219161612	0.492145098	0.445319099	0.656089167	0.999371363	Not Sig
ENSG00000196655	TRAPPC4	trafficking protein particle complex 4	51399	430.3647216	0.219260074	0.50526787	0.433948184	0.664326069	0.999371363	Not Sig
ENSG00000260152	NA	NA	NA	15.6327783	0.219407577	0.95304562	0.230217287	0.817922293	0.999371363	Not Sig
ENSG00000197147	LRR8B	leucine rich repeat containing 8 VRAC subunit B	23507	1042.077069	0.219485562	0.634734309	0.345791237	0.729499611	0.999371363	Not Sig
ENSG00000007866	TEAD3	TEA domain transcription factor 3	7005	864.053771	0.219585845	0.486867671	0.451017511	0.651976928	0.999371363	Not Sig
ENSG00000167103	PIP5K1L	phosphatidylinositol-4-phosphate 5-kinase like 1	138429	120.2520424	0.219626607	0.702009746	0.312854071	0.754391533	0.999371363	Not Sig
ENSG00000112651	MRPL2	mitochondrial ribosomal protein L2	51069	324.6816825	0.219866608	0.453021894	0.485333295	0.627439941	0.999371363	Not Sig
ENSG00000108515	ENO3	enolase 3	2027	106.5583109	0.220247137	0.538108168	0.409299004	0.682320246	0.999371363	Not Sig
ENSG00000136944	LMX1B	LIM homeobox transcription factor 1 beta	4010	50.26761143	0.220524737	1.462481411	0.150788062	0.880142904	0.999371363	Not Sig
ENSG00000130939	UBE4B	ubiquitination factor E4B	10277	2048.330388	0.220876351	0.430667039	0.512870341	0.608042022	0.999371363	Not Sig
ENSG00000168778	TCTN2	tectonic family member 2	79867	379.1761664	0.220883514	0.558818792	0.395268586	0.692644681	0.999371363	Not Sig

ENSG00000137821	LRRC49	leucine rich repeat containing 49	54839	116.2184507	0.220935756	0.602292712	0.366824555	0.713749891	0.999371363	Not Sig
ENSG00000118620	ZNF430	zinc finger protein 430	80264	318.3146456	0.221098381	0.560463544	0.394491994	0.693217837	0.999371363	Not Sig
ENSG00000248654	NA	NA	NA	1.169557408	0.221114264	2.193717682	0.100794312	0.919713743	NA	NA
ENSG00000126215	XRCC3	X-ray repair cross complementing 3	7517	180.4374062	0.221281016	0.63652567	0.347638793	0.728111469	0.999371363	Not Sig
ENSG00000052749	RRP12	ribosomal RNA processing 12 homolog	23223	822.9301286	0.221657707	0.433930377	0.51081399	0.609481312	0.999371363	Not Sig
ENSG00000233830	NA	NA	NA	5.11684095	0.221700206	1.229332156	0.180341989	0.856884094	NA	NA
ENSG00000139505	MTMR6	myotubularin related protein 6	9107	965.5732407	0.221730421	0.542047376	0.409060961	0.682494924	0.999371363	Not Sig
ENSG00000157216	SSBP3	single stranded DNA binding protein 3	23648	1104.985593	0.221873635	0.528963576	0.41944974	0.674887479	0.999371363	Not Sig
ENSG00000171791	BCL2	BCL2, apoptosis regulator	596	570.6133736	0.221874527	0.703191097	0.315525222	0.752362904	0.999371363	Not Sig
ENSG00000103510	KAT8	lysine acetyltransferase 8	84148	1043.898602	0.222049316	0.493799984	0.449674613	0.652945079	0.999371363	Not Sig
ENSG00000272508	NA	NA	NA	3.170953281	0.222219494	1.369813284	0.16222612	0.871127792	NA	NA
ENSG00000260267	NA	NA	NA	349.9141493	0.222348015	0.461257721	0.482047247	0.629772383	0.999371363	Not Sig
ENSG00000167123	CERCAM	cerebral endothelial cell adhesion molecule	51148	616.8467271	0.222367993	0.637929797	0.348577529	0.7274065	0.999371363	Not Sig
ENSG00000148291	SURF2	surfeit 2	6835	164.1226112	0.222446576	0.68674602	0.323913892	0.746003227	0.999371363	Not Sig
ENSG00000087302	RTRAF	RNA transcription, translation and transport factor	51637	885.2202052	0.222477712	0.470218788	0.473136587	0.636115736	0.999371363	Not Sig
ENSG00000116791	CRYZ	crystallin zeta	1429	695.9367594	0.222500259	0.583154056	0.381546277	0.702797939	0.999371363	Not Sig
ENSG00000227372	TP73-AS1	TP73 antisense RNA 1	57212	844.4473606	0.222576977	0.503406326	0.442141795	0.658386602	0.999371363	Not Sig
ENSG00000259426	LOC145694	uncharacterized LOC145694	145694	27.44201063	0.222847447	0.691845774	0.322105671	0.747372642	0.999371363	Not Sig
ENSG00000158019	BABAM2	BRISC and BRCA1 A complex member 2	9577	445.6998223	0.2228541	0.45310444	0.491838262	0.622833686	0.999371363	Not Sig
ENSG00000173418	NAA20	N(alpha)-acetyltransferase 20, NatB catalytic subunit	51126	530.5373737	0.22293446	0.461679715	0.48287688	0.629183159	0.999371363	Not Sig
ENSG00000135506	OS9	OS9, endoplasmic reticulum lectin	10956	6510.038213	0.223136218	0.486389533	0.458760321	0.646406292	0.999371363	Not Sig
ENSG00000238368	NA	NA	NA	9.587082767	0.223159714	1.379517185	0.161766535	0.871489707	0.999371363	Not Sig
ENSG00000206190	ATP10A	ATPase phospholipid transporting 10A (putative)	57194	1129.789625	0.223430492	0.619056271	0.360921135	0.718158404	0.999371363	Not Sig
ENSG00000117395	EBNA1BP2	EBNA1 binding protein 2	10969	628.6168879	0.223439291	0.42707689	0.523182819	0.600847037	0.999371363	Not Sig
ENSG00000254912	NA	NA	NA	13.72312637	0.223561455	1.069222325	0.209087905	0.834379617	0.999371363	Not Sig
ENSG00000261614	NA	NA	NA	1.102043486	0.223677029	2.52453646	0.088601228	0.929398833	NA	NA
ENSG00000224728	NA	NA	NA	11.93116857	0.22372489	0.898602683	0.248969755	0.803384177	0.999371363	Not Sig
ENSG00000157349	DDX19B	DEAD-box helicase 19B	11269	353.4159103	0.223805218	0.430483655	0.519892487	0.603138512	0.999371363	Not Sig
ENSG00000137413	TAF8	TATA-box binding protein associated factor 8	129685	965.1841593	0.223869456	0.418472882	0.534967656	0.592672223	0.999371363	Not Sig
ENSG00000187695	KIAA1257	KIAA1257	57501	21.27851465	0.223921862	1.087658258	0.205875201	0.836888398	0.999371363	Not Sig
ENSG00000141551	CSNK1D	casein kinase 1 delta	1453	4076.927581	0.223931447	0.509320462	0.439667093	0.66017824	0.999371363	Not Sig
ENSG00000166763	NA	NA	NA	5.744089377	0.22439603	1.215985892	0.18453835	0.853591145	NA	NA
ENSG00000100596	SPTLC2	serine palmitoyltransferase long chain base subunit 2	9517	2977.917661	0.224397322	0.481755858	0.465790541	0.641365436	0.999371363	Not Sig
ENSG00000214174	AMZ2P1	archaealysin family metallopeptidase 2 pseudogene 1	201283	190.9709746	0.224472977	0.468350014	0.479284659	0.631736134	0.999371363	Not Sig
ENSG00000038274	MAT2B	methionine adenosyltransferase 2B	27430	1194.94248	0.224476561	0.473679103	0.473900073	0.635571167	0.999371363	Not Sig

ENSG00000111877	MCM9	minichromosome maintenance 9 homologous recombination repair factor	254394	757.8228213	0.22462597	0.495720844	0.453129967	0.650455158	0.999371363	Not Sig
ENSG00000253910	PCDHGB2	protocadherin gamma subfamily B, 2	56103	203.3874141	0.224636038	0.704292214	0.318952891	0.749762236	0.999371363	Not Sig
ENSG00000197136	PCNX3	pecanex homolog 3	399909	2363.317525	0.224813339	0.570541651	0.394034929	0.693555251	0.999371363	Not Sig
ENSG00000162378	ZYG11B	zyg-11 family member B, cell cycle regulator	79699	1472.49947	0.224844735	0.497444146	0.451999962	0.65126901	0.999371363	Not Sig
ENSG00000104969	SGTA	small glutamine rich tetratricopeptide repeat containing alpha	6449	1070.197283	0.224977031	0.665823503	0.337892895	0.735443902	0.999371363	Not Sig
ENSG00000151365	THRSP	thyroid hormone responsive	7069	0.670334946	0.224982651	3.995111204	0.05631449	0.955091276	NA	NA
ENSG00000164123	C4orf45	chromosome 4 open reading frame 45	152940	0.670334946	0.224982651	3.995111204	0.05631449	0.955091276	NA	NA
ENSG00000225185	NA	NA	NA	0.670334946	0.224982651	3.995111204	0.05631449	0.955091276	NA	NA
ENSG00000170915	PAQR8	progesterone and adipoQ receptor family member 8	85315	337.4697155	0.225339066	0.529057587	0.425925403	0.670162204	0.999371363	Not Sig
ENSG00000066044	ELAVL1	ELAV like RNA binding protein 1	1994	1160.647006	0.225635712	0.410001521	0.550328963	0.582093762	0.999371363	Not Sig
ENSG00000182095	TNRC18	trinucleotide repeat containing 18	84629	13924.19094	0.225898699	0.559632904	0.403655141	0.686466331	0.999371363	Not Sig
ENSG00000137210	TMEM14B	transmembrane protein 14B	81853	584.5130642	0.226041305	0.556771574	0.405985715	0.684753097	0.999371363	Not Sig
ENSG00000117751	PPP1R8	protein phosphatase 1 regulatory subunit 8	5511	642.7995818	0.226185453	0.400872327	0.564233144	0.572595474	0.999371363	Not Sig
ENSG00000235217	TSPY26P	testis specific protein, Y-linked 26, pseudogene	128854	126.0576052	0.226228197	0.722044305	0.313316227	0.754040423	0.999371363	Not Sig
ENSG00000254331	NA	NA	NA	5.341407982	0.226286601	1.131203736	0.200040536	0.841448879	NA	NA
ENSG00000198542	ITGBL1	integrin subunit beta like 1	9358	1491.193426	0.226394809	0.502546378	0.450495356	0.652353302	0.999371363	Not Sig
ENSG00000110079	MS4A4A	membrane spanning 4-domains A4A	51338	341.6367625	0.226446776	0.807695567	0.280361544	0.779200138	0.999371363	Not Sig
ENSG00000106609	TMEM248	transmembrane protein 248	55069	3678.294539	0.226489361	0.398727541	0.56803039	0.570014333	0.999371363	Not Sig
ENSG00000176933	NA	NA	NA	22.98439437	0.226594278	0.649484109	0.348883483	0.727176786	0.999371363	Not Sig
ENSG00000140264	SERF2	small EDRK-rich factor 2	10169	5506.697978	0.226702055	0.458554765	0.494383817	0.621035141	0.999371363	Not Sig
ENSG00000163832	ELP6	elongator acetyltransferase complex subunit 6	54859	310.3514654	0.226748195	0.460637337	0.49224884	0.622543441	0.999371363	Not Sig
ENSG00000196123	KIAA0895L	KIAA0895 like	653319	519.3718297	0.227079472	0.525892832	0.431797998	0.665888234	0.999371363	Not Sig
ENSG00000165359	INTS6L	integrator complex subunit 6 like	203522	440.6269638	0.227091351	0.502453739	0.451964696	0.651294416	0.999371363	Not Sig
ENSG00000112081	SRSF3	serine and arginine rich splicing factor 3	6428	2840.090933	0.227920787	0.383640851	0.594099368	0.552445654	0.999371363	Not Sig
ENSG00000104915	STX10	syntaxin 10	8677	710.5530953	0.227947301	0.611388124	0.37283567	0.709270753	0.999371363	Not Sig
ENSG00000073969	NSF	N-ethylmaleimide sensitive factor, vesicle fusing ATPase	4905	1033.87614	0.227966644	0.507018608	0.44962185	0.65298313	0.999371363	Not Sig
ENSG00000231651	DLG3-AS1	DLG3 antisense RNA 1	100873930	1.549494476	0.228091855	2.302404718	0.099066795	0.921085236	NA	NA
ENSG00000143409	MINDY1	MINDY lysine 48 deubiquitinase 1	55793	746.6098014	0.228305777	0.53524714	0.426542731	0.669712418	0.999371363	Not Sig
ENSG00000054118	THRAP3	thyroid hormone receptor associated protein 3	9967	5248.349148	0.228600911	0.393412026	0.581072504	0.561191589	0.999371363	Not Sig
ENSG00000196169	KIF19	kinesin family member 19	124602	110.8360304	0.228661385	1.049568428	0.217862294	0.827536407	0.999371363	Not Sig
ENSG00000119227	PIGZ	phosphatidylinositol glycan anchor biosynthesis class Z	80235	128.4340388	0.229226992	0.703611173	0.325786459	0.744585925	0.999371363	Not Sig
ENSG00000223668	NA	NA	NA	1.175994943	0.229272647	2.5015959	0.091650553	0.926975685	NA	NA
ENSG00000133943	DGLUCY	D-glutamate cyclase	80017	1450.147139	0.229367717	0.471394915	0.486572318	0.626561445	0.999371363	Not Sig
ENSG00000118308	LRMP	lymphoid restricted membrane protein	4033	203.7319136	0.229565462	0.712645012	0.322131578	0.747353017	0.999371363	Not Sig
ENSG00000166896	ATP23	ATP23 metalloproteinase and ATP synthase assembly factor homolog	91419	55.46143569	0.229732763	0.547246174	0.419797842	0.674633141	0.999371363	Not Sig

ENSG00000205670	SMIM11A	small integral membrane protein 11A	54065	216.3270462	0.22974478	0.489254695	0.469581144	0.638654299	0.999371363	Not Sig
ENSG00000157353	FUK	fucokinase	197258	651.8070049	0.229812655	0.513663453	0.447399273	0.654586801	0.999371363	Not Sig
ENSG00000154127	UBASH3B	ubiquitin associated and SH3 domain containing B	84959	545.1710074	0.229916541	0.555019047	0.41424982	0.678691159	0.999371363	Not Sig
ENSG00000133818	RRAS2	RAS related 2	22800	655.5924037	0.230018948	0.502843341	0.457436599	0.647357263	0.999371363	Not Sig
ENSG00000141699	RETREG3	reticulophagy regulator family member 3	162427	2034.73464	0.230066032	0.465816785	0.493898114	0.621378136	0.999371363	Not Sig
ENSG00000153714	LURAP1L	leucine rich adaptor protein 1 like	286343	364.4013385	0.2302037	0.67351767	0.341793111	0.732506594	0.999371363	Not Sig
ENSG00000269097	NA	NA	NA	5.714198274	0.230226999	1.452079164	0.158549895	0.874023507	NA	NA
ENSG00000231741	NA	NA	NA	3.496666505	0.230296074	1.465310022	0.157165426	0.875114476	NA	NA
ENSG00000147804	SLC39A4	solute carrier family 39 member 4	55630	428.1067627	0.230644783	0.690993728	0.333787087	0.738540228	0.999371363	Not Sig
ENSG00000165527	ARF6	ADP ribosylation factor 6	382	1908.578857	0.230647206	0.462280287	0.498933684	0.617826103	0.999371363	Not Sig
ENSG00000133226	SRRM1	serine and arginine repetitive matrix 1	10250	3654.814425	0.230700003	0.454691004	0.50737754	0.611889942	0.999371363	Not Sig
ENSG00000105472	CLEC11A	C-type lectin domain containing 11A	6320	201.0217195	0.230707243	0.48146908	0.479173538	0.631815178	0.999371363	Not Sig
ENSG00000119431	HDHD3	haloacid dehalogenase like hydrolase domain containing 3	81932	409.499972	0.230708703	0.590230323	0.390879109	0.695886596	0.999371363	Not Sig
ENSG00000156959	LHFPL4	LHFPL tetraspan subfamily member 4	375323	1.140375545	0.230718381	2.236651683	0.103153469	0.917841169	NA	NA
ENSG00000267387	NA	NA	NA	1.140375545	0.230718381	2.236651683	0.103153469	0.917841169	NA	NA
ENSG00000157426	AASDH	aminoadipate-semialdehyde dehydrogenase	132949	426.4277783	0.231131703	0.511481277	0.451886928	0.651350442	0.999371363	Not Sig
ENSG00000115053	NCL	nucleolin	4691	8414.858451	0.231171384	0.430049555	0.537545921	0.590890574	0.999371363	Not Sig
ENSG00000211879	NA	NA	NA	7.36227118	0.231188518	1.049952631	0.220189474	0.825723594	0.999371363	Not Sig
ENSG00000140632	GLYR1	glyoxylate reductase 1 homolog	84656	1649.983559	0.231269189	0.3950816	0.585370689	0.558298493	0.999371363	Not Sig
ENSG00000251429	NA	NA	NA	18.04000049	0.231302214	0.920827004	0.251189651	0.801667485	0.999371363	Not Sig
ENSG00000243970	NA	NA	NA	45.70593073	0.231313512	0.576078353	0.401531338	0.688028971	0.999371363	Not Sig
ENSG00000164252	AGGF1	angiogenic factor with G-patch and FHA domains 1	55109	1025.197066	0.231347594	0.413981617	0.558835428	0.576274042	0.999371363	Not Sig
ENSG00000116885	OSCP1	organic solute carrier partner 1	127700	212.7554078	0.231396934	0.475748001	0.48638551	0.626693862	0.999371363	Not Sig
ENSG00000127954	STEAP4	STEAP4 metalloreductase	79689	8524.128041	0.231516471	0.710465834	0.325865734	0.744525942	0.999371363	Not Sig
ENSG00000132676	DAP3	death associated protein 3	7818	1346.017307	0.231528152	0.425487269	0.544148246	0.586339462	0.999371363	Not Sig
ENSG00000268688	NA	NA	NA	12.02205756	0.231694486	0.888331388	0.26081988	0.794231413	0.999371363	Not Sig
ENSG00000079482	OPHN1	oligophrenin 1	4983	1039.707177	0.231749665	0.434614076	0.533230923	0.593873738	0.999371363	Not Sig
ENSG00000186716	BCR	BCR, RhoGEF and GTPase activating protein	613	3362.625804	0.2317761	0.639393556	0.362493644	0.716983172	0.999371363	Not Sig
ENSG00000128815	WDFY4	WDFY family member 4	57705	1397.605747	0.231791281	0.758377519	0.305641023	0.759877982	0.999371363	Not Sig
ENSG00000119599	DCAF4	DDB1 and CUL4 associated factor 4	26094	286.344194	0.23200471	0.454116571	0.51089241	0.609426396	0.999371363	Not Sig
ENSG00000165521	EML5	echinoderm microtubule associated protein like 5	161436	111.0729661	0.232079074	0.860444996	0.269719826	0.787375807	0.999371363	Not Sig
ENSG00000106868	SUSD1	sushi domain containing 1	64420	792.9796885	0.232208309	0.397109985	0.584745582	0.5587188	0.999371363	Not Sig
ENSG00000245869	NA	NA	NA	2.552129517	0.232363759	2.098789973	0.110713203	0.911843776	NA	NA
ENSG00000100351	GRAP2	GRB2-related adaptor protein 2	9402	237.3892996	0.232464554	0.785601001	0.295906642	0.767301379	0.999371363	Not Sig
ENSG00000157379	DHRS1	dehydrogenase/reductase 1	115817	382.5058697	0.232465141	0.459594875	0.505804467	0.612993923	0.999371363	Not Sig

ENSG00000168040	FADD	Fas associated via death domain	8772	469.1298764	0.232528719	0.504129023	0.461248428	0.644620381	0.999371363	Not Sig
ENSG00000143314	MRPL24	mitochondrial ribosomal protein L24	79590	643.931389	0.232659047	0.514374552	0.452314459	0.651042461	0.999371363	Not Sig
ENSG00000141985	SH3GL1	SH3 domain containing GRB2 like 1, endophilin A2	6455	1241.091701	0.232677028	0.544455862	0.427357007	0.669119317	0.999371363	Not Sig
ENSG00000242163	NA	NA	NA	8.144995214	0.232762558	0.948838486	0.24531315	0.806213971	0.999371363	Not Sig
ENSG00000258796	NA	NA	NA	4.389869116	0.23276705	1.529730495	0.15216213	0.879059062	NA	NA
ENSG00000100271	TTL1	tubulin tyrosine ligase like 1	25809	139.0846684	0.232912005	0.50493027	0.461275584	0.6446009	0.999371363	Not Sig
ENSG00000163071	SPATA18	spermatogenesis associated 18	132671	450.0852372	0.233023144	0.815560359	0.285721519	0.775091422	0.999371363	Not Sig
ENSG00000227199	ST7-AS1	ST7 antisense RNA 1	93653	46.73606966	0.233097938	0.762191652	0.305825887	0.759737217	0.999371363	Not Sig
ENSG00000188486	H2AFX	H2A histone family member X	3014	582.9264045	0.233430937	0.46603094	0.5008915	0.616447485	0.999371363	Not Sig
ENSG00000272277	NA	NA	NA	18.73429666	0.233570775	0.892302499	0.261761875	0.793505034	0.999371363	Not Sig
ENSG00000182504	CEP97	centrosomal protein 97	79598	463.0522728	0.233693177	0.552442981	0.423017731	0.672282324	0.999371363	Not Sig
ENSG00000198783	ZNF830	zinc finger protein 830	91603	263.7848355	0.233760659	0.525021639	0.445240048	0.656146288	0.999371363	Not Sig
ENSG00000204253	NA	NA	NA	15.07953764	0.233917244	0.760524686	0.307573506	0.758406883	0.999371363	Not Sig
ENSG00000119888	EPCAM	epithelial cell adhesion molecule	4072	5550.507826	0.234050509	0.604961004	0.386885282	0.698841138	0.999371363	Not Sig
ENSG00000131236	CAP1	cyclase associated actin cytoskeleton regulatory protein 1	10487	5670.065672	0.234062246	0.406315172	0.576061333	0.564573726	0.999371363	Not Sig
ENSG00000076604	TRAF4	TNF receptor associated factor 4	9618	1458.856055	0.23410349	0.566685231	0.413110273	0.679525823	0.999371363	Not Sig
ENSG00000101040	ZMYND8	zinc finger MYND-type containing 8	23613	1755.31379	0.234169224	0.405567496	0.577386568	0.563678346	0.999371363	Not Sig
ENSG00000139974	SLC38A6	solute carrier family 38 member 6	145389	352.3494382	0.234244472	0.717656115	0.326402112	0.744120139	0.999371363	Not Sig
ENSG00000137094	DNAJB5	DnaJ heat shock protein family (Hsp40) member B5	25822	179.2391057	0.234251083	0.606025346	0.386536775	0.699099172	0.999371363	Not Sig
ENSG00000216906	NA	NA	NA	22.76867552	0.234313284	0.781720653	0.29974043	0.764375157	0.999371363	Not Sig
ENSG00000186416	NKRF	NFKB repressing factor	55922	249.0579708	0.234423351	0.5304473	0.441935233	0.658536074	0.999371363	Not Sig
ENSG00000226675	NA	NA	NA	5.569694507	0.234561084	1.256686663	0.186650412	0.851934738	NA	NA
ENSG00000269948	NA	NA	NA	18.76621421	0.234984467	0.763962383	0.307586436	0.758397042	0.999371363	Not Sig
ENSG00000260593	NA	NA	NA	5.498610428	0.23514146	1.087373675	0.216247152	0.828795101	NA	NA
ENSG00000159403	C1R	complement C1r	715	2659.265077	0.23514975	0.455439314	0.516314122	0.605635035	0.999371363	Not Sig
ENSG00000174996	KLC2	kinesin light chain 2	64837	638.4890414	0.235456506	0.519160475	0.453533189	0.65016485	0.999371363	Not Sig
ENSG00000100362	PVALB	parvalbumin	5816	2.48446626	0.235653758	1.750389077	0.134629358	0.892904928	NA	NA
ENSG00000064225	ST3GAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	10402	367.434576	0.235859422	0.582809803	0.404693642	0.685702716	0.999371363	Not Sig
ENSG00000163393	SLC22A15	solute carrier family 22 member 15	55356	258.6200217	0.236186527	0.589285278	0.400801676	0.688566145	0.999371363	Not Sig
ENSG00000001497	LAS1L	LAS1 like, ribosome biogenesis factor	81887	701.1466704	0.236552574	0.445964532	0.53042912	0.59581444	0.999371363	Not Sig
ENSG00000206755	SNORA30	small nucleolar RNA, H/ACA box 30	677813	4.319902824	0.236574185	1.205713463	0.196210951	0.844445057	NA	NA
ENSG00000159352	PSMD4	proteasome 26S subunit, non-ATPase 4	5710	1690.16711	0.236811203	0.507425072	0.466691963	0.640720281	0.999371363	Not Sig
ENSG00000117410	ATP6VOB	ATPase H+ transporting V0 subunit b	533	1400.081064	0.236999827	0.53214435	0.445367554	0.656054156	0.999371363	Not Sig
ENSG00000100425	BRD1	bromodomain containing 1	23774	2018.238022	0.237170906	0.571905293	0.414703115	0.678359252	0.999371363	Not Sig
ENSG00000264278	LOC100131655	uncharacterized LOC100131655	100131655	61.03913781	0.237341066	0.69512629	0.341435893	0.732775458	0.999371363	Not Sig

ENSG00000255182	NA	NA	NA	18.76417686	0.237346538	0.800145173	0.296629344	0.766749505	0.999371363	Not Sig
ENSG00000166595	FAM96B	family with sequence similarity 96 member B	51647	402.1904726	0.237412217	0.504258667	0.470814351	0.637773315	0.999371363	Not Sig
ENSG00000163866	SMIM12	small integral membrane protein 12	113444	455.633857	0.237542842	0.449218837	0.52879092	0.596950497	0.999371363	Not Sig
ENSG00000185115	NSMCE3	NSE3 homolog, SMC5-SMC6 complex component	56160	394.6245806	0.237658875	0.572257962	0.41530025	0.677922118	0.999371363	Not Sig
ENSG00000256771	ZNF253	zinc finger protein 253	56242	280.8866731	0.237802964	0.558896534	0.42548656	0.670482017	0.999371363	Not Sig
ENSG00000176273	SLC35G1	solute carrier family 35 member G1	159371	70.09637847	0.237890589	0.571380797	0.41634334	0.677158783	0.999371363	Not Sig
ENSG00000252481	SCARNA13	small Cajal body-specific RNA 13	677768	1939.769622	0.238007032	0.533990314	0.445714136	0.655803752	0.999371363	Not Sig
ENSG00000235363	NA	NA	NA	14.58387442	0.238093866	0.801129967	0.297197553	0.76631569	0.999371363	Not Sig
ENSG00000163093	BBS5	Bardet-Biedl syndrome 5	129880	128.0500803	0.238131599	0.740886934	0.321414224	0.747896505	0.999371363	Not Sig
ENSG00000260920	NA	NA	NA	33.46274368	0.238189241	1.262618738	0.188647003	0.850369491	0.999371363	Not Sig
ENSG00000105662	CRTC1	CREB regulated transcription coactivator 1	23373	713.5940071	0.238220871	0.573033844	0.415718676	0.677615874	0.999371363	Not Sig
ENSG00000233621	LINC01137	long intergenic non-protein coding RNA 1137	728431	123.705199	0.238250001	0.689622875	0.34547868	0.729734536	0.999371363	Not Sig
ENSG00000137692	DCUN1D5	defective in cullin neddylation 1 domain containing 5	84259	391.8138315	0.238355728	0.418284867	0.569840669	0.568785769	0.999371363	Not Sig
ENSG00000258430	NA	NA	NA	12.26970691	0.238528424	1.066984328	0.223553822	0.823104499	0.999371363	Not Sig
ENSG00000163482	STK36	serine/threonine kinase 36	27148	601.3016736	0.23859862	0.421846581	0.5656052	0.571662192	0.999371363	Not Sig
ENSG00000143337	TOR1AIP1	torsin 1A interacting protein 1	26092	1931.990982	0.239072388	0.384536762	0.621715301	0.534129089	0.999371363	Not Sig
ENSG00000137054	POLR1E	RNA polymerase I subunit E	64425	271.635302	0.239144464	0.534868701	0.447108727	0.654796558	0.999371363	Not Sig
ENSG00000166503	HDGFL3	HDGF like 3	50810	376.4892436	0.239328388	0.649179012	0.368663163	0.71237881	0.999371363	Not Sig
ENSG00000197744	NA	NA	NA	16.01676331	0.239657893	0.766492005	0.312668484	0.754532542	0.999371363	Not Sig
ENSG00000180304	OAZ2	ornithine decarboxylase antizyme 2	4947	1161.505646	0.23968715	0.405699418	0.590799837	0.554654544	0.999371363	Not Sig
ENSG00000003249	DBNDD1	dysbindin domain containing 1	79007	362.3475906	0.239720672	0.737855278	0.324888469	0.745265484	0.999371363	Not Sig
ENSG00000143702	CEP170	centrosomal protein 170	9859	1899.865416	0.239830081	0.433913257	0.552714343	0.58045903	0.999371363	Not Sig
ENSG00000143702	CEP170P1	centrosomal protein 170 pseudogene 1	645455	1899.865416	0.239830081	0.433913257	0.552714343	0.58045903	0.999371363	Not Sig
ENSG00000121058	COIL	coilin	8161	440.8100966	0.239839111	0.470943919	0.509273187	0.610560749	0.999371363	Not Sig
ENSG00000112282	MED23	mediator complex subunit 23	9439	1452.886342	0.239856248	0.525070484	0.456807715	0.64780926	0.999371363	Not Sig
ENSG00000100105	PATZ1	POZ/BTB and AT hook containing zinc finger 1	23598	1212.21482	0.240191587	0.530478232	0.452783117	0.650704922	0.999371363	Not Sig
ENSG00000146587	RBAK	RB associated KRAB zinc finger	57786	933.2187799	0.240357785	0.708097705	0.339441554	0.734277119	0.999371363	Not Sig
ENSG00000088205	DDX18	DEAD-box helicase 18	8886	1607.488659	0.24046528	0.429550915	0.559806233	0.575611611	0.999371363	Not Sig
ENSG00000138606	SHF	Src homology 2 domain containing F	90525	189.6017617	0.240565152	0.675906093	0.355915052	0.721904183	0.999371363	Not Sig
ENSG00000204969	PCDHA2	protocadherin alpha 2	56146	8.955472811	0.24099157	1.095335956	0.220016122	0.825858599	0.999371363	Not Sig
ENSG00000228716	DHFR	dihydrofolate reductase	1719	465.1794515	0.241000461	0.504416626	0.477780566	0.632806395	0.999371363	Not Sig
ENSG00000254231	LOC105375624	uncharacterized LOC105375624	105375624	12.7824197	0.241575242	0.843433379	0.286418878	0.774557317	0.999371363	Not Sig
ENSG00000173786	CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	1267	1749.202695	0.241593365	0.493362366	0.489687463	0.624355075	0.999371363	Not Sig
ENSG00000264745	TTC39C-AS1	TTC39C antisense RNA 1	102724246	6.115125641	0.241658971	1.408171907	0.171611839	0.863742699	NA	NA
ENSG00000188996	HUS1B	HUS1 checkpoint clamp component B	135458	21.54241404	0.24182235	0.696248007	0.347322143	0.728349317	0.999371363	Not Sig

ENSG00000160803	UBQLN4	ubiquilin 4	56893	1243.146319	0.241943217	0.559127908	0.43271533	0.665221591	0.999371363	Not Sig
ENSG00000065135	GNAI3	G protein subunit alpha i3	2773	1352.280912	0.241994941	0.489637376	0.494232982	0.621141649	0.999371363	Not Sig
ENSG00000059691	GATB	glutamyl-tRNA amidotransferase subunit B	5188	302.0530248	0.242145559	0.416657944	0.581161508	0.561131607	0.999371363	Not Sig
ENSG00000164465	DCBLD1	discoidin, CUB and LCCL domain containing 1	285761	892.2082182	0.242401552	0.540261531	0.448674462	0.65366651	0.999371363	Not Sig
ENSG00000172331	BPGM	bisphosphoglycerate mutase	669	256.4732009	0.242598316	0.464124377	0.522701086	0.601182283	0.999371363	Not Sig
ENSG00000217442	SYCE3	synaptonemal complex central element protein 3	644186	5.176318026	0.242666546	1.137013101	0.213424582	0.830995808	NA	NA
ENSG00000225756	DBH-AS1	DBH antisense RNA 1	138948	37.13904077	0.242678412	0.70597137	0.343751067	0.731033503	0.999371363	Not Sig
ENSG00000159267	HLCS	holocarboxylase synthetase	3141	891.5442269	0.242750678	0.482605638	0.503000088	0.614964211	0.999371363	Not Sig
ENSG00000046647	GEMIN8	gem nuclear organelle associated protein 8	54960	345.8337239	0.243072499	0.440813404	0.551418121	0.581347081	0.999371363	Not Sig
ENSG00000233646	NA	NA	NA	13.90710841	0.243295804	0.770848712	0.315620692	0.75229043	0.999371363	Not Sig
ENSG00000197312	DDI2	DNA damage inducible 1 homolog 2	84301	2163.683057	0.243350261	0.502711797	0.484075095	0.628332576	0.999371363	Not Sig
ENSG00000162623	TYW3	tRNA-yW synthesizing protein 3 homolog	127253	395.4748628	0.24350784	0.477651185	0.509802651	0.610189729	0.999371363	Not Sig
ENSG00000158301	GPRASP2	G protein-coupled receptor associated sorting protein 2	114928	272.8001712	0.243588669	0.569747529	0.427537912	0.668987578	0.999371363	Not Sig
ENSG00000158301	ARMCX5-GPRASP2	ARMCX5-GPRASP2 readthrough	100528062	272.8001712	0.243588669	0.569747529	0.427537912	0.668987578	0.999371363	Not Sig
ENSG00000137947	GTF2B	general transcription factor IIB	2959	475.4100105	0.243611306	0.491736574	0.495410182	0.620310609	0.999371363	Not Sig
ENSG00000237424	FOX2-AS1	FOX2 adjacent opposite strand RNA 1	84793	91.87467803	0.243756847	0.641936858	0.379720908	0.704152598	0.999371363	Not Sig
ENSG00000221983	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1	7311	2746.417508	0.243874978	0.514683375	0.473834964	0.635617599	0.999371363	Not Sig
ENSG00000197061	HIST1H4C	histone cluster 1 H4 family member c	8364	754.113715	0.244316808	0.401558864	0.608420906	0.542908349	0.999371363	Not Sig
ENSG00000177595	PIDD1	p53-induced death domain protein 1	55367	366.5587894	0.244447162	0.58861972	0.415288774	0.677930518	0.999371363	Not Sig
ENSG00000092847	AGO1	argonaute 1, RISC catalytic component	26523	2157.17439	0.244448433	0.424641689	0.575658111	0.564846294	0.999371363	Not Sig
ENSG00000108671	PSMD11	proteasome 26S subunit, non-ATPase 11	5717	1673.025232	0.244553513	0.415097538	0.589147106	0.555762596	0.999371363	Not Sig
ENSG00000089818	NECAP1	NECAP endocytosis associated 1	25977	718.5143623	0.244554769	0.444317428	0.55040553	0.582041256	0.999371363	Not Sig
ENSG00000186212	SOWAHB	soosondawah ankyrin repeat domain family member B	345079	234.0783873	0.244570864	0.64880708	0.376954678	0.706207286	0.999371363	Not Sig
ENSG00000246889	NA	NA	NA	22.67928045	0.244593493	0.835832403	0.292634614	0.769801453	0.999371363	Not Sig
ENSG00000166002	SMC04	single-pass membrane protein with coiled-coil domains 4	56935	270.2721314	0.244677714	0.460480698	0.531352812	0.595174314	0.999371363	Not Sig
ENSG00000240767	NA	NA	NA	9.829860923	0.244911849	0.920799374	0.265977427	0.790256594	0.999371363	Not Sig
ENSG00000171914	TLN2	talin 2	83660	823.4470717	0.244996152	0.677224247	0.36176518	0.717527514	0.999371363	Not Sig
ENSG00000197093	GAL3ST4	galactose-3-O-sulfotransferase 4	79690	153.0589827	0.245070308	0.546171134	0.448706079	0.653643699	0.999371363	Not Sig
ENSG00000204439	C6orf47	chromosome 6 open reading frame 47	57827	739.6862245	0.245173167	0.591761264	0.414310942	0.678646402	0.999371363	Not Sig
ENSG00000164627	KIF6	kinesin family member 6	221458	42.55814662	0.245197535	1.031593541	0.237688125	0.812122994	0.999371363	Not Sig
ENSG00000168792	ABHD15	abhydrolase domain containing 15	116236	548.8018824	0.245315861	0.560687956	0.43752654	0.661729533	0.999371363	Not Sig
ENSG00000262061	LOC100506388	uncharacterized LOC100506388	100506388	4.157132195	0.245403195	1.443857296	0.169963608	0.865038757	NA	NA
ENSG00000243824	NA	NA	NA	1.146813081	0.245636186	2.000667321	0.122777127	0.902283587	NA	NA
ENSG00000258086	NA	NA	NA	1.146813081	0.245636186	2.000667321	0.122777127	0.902283587	NA	NA
ENSG00000265945	NA	NA	NA	1.146813081	0.245636186	2.000667321	0.122777127	0.902283587	NA	NA

ENSG00000176994	SMCR8	Smith-Magenis syndrome chromosome region, candidate 8	140775	823.1976544	0.245664063	0.461797233	0.531973875	0.59474409	0.999371363	Not Sig
ENSG00000184428	TOP1MT	DNA topoisomerase I mitochondrial	116447	337.8104667	0.245674852	0.506894593	0.484666547	0.6279129	0.999371363	Not Sig
ENSG00000131966	ACTR10	actin related protein 10 homolog	55860	766.6601588	0.245697064	0.433810395	0.566369701	0.571142487	0.999371363	Not Sig
ENSG00000157306	NA	NA	NA	66.88308483	0.245770612	0.566207942	0.434064225	0.664241803	0.999371363	Not Sig
ENSG00000129460	NGDN	neuroguidin	25983	366.787666	0.245837466	0.451905327	0.544002143	0.586439998	0.999371363	Not Sig
ENSG00000141655	TNFRSF11A	TNF receptor superfamily member 11a	8792	258.900302	0.245921241	0.563397728	0.436496686	0.662476403	0.999371363	Not Sig
ENSG00000068400	GRIPAP1	GRIP1 associated protein 1	56850	1358.447247	0.246020831	0.493766936	0.498252947	0.618305768	0.999371363	Not Sig
ENSG00000178935	ZNF552	zinc finger protein 552	79818	338.9179516	0.246169371	0.584530043	0.421140665	0.673652369	0.999371363	Not Sig
ENSG00000169016	E2F6	E2F transcription factor 6	1876	320.6542371	0.246320099	0.491299559	0.501366195	0.616113427	0.999371363	Not Sig
ENSG00000168924	LETM1	leucine zipper and EF-hand containing transmembrane protein 1	3954	1481.680667	0.246456157	0.539590888	0.456746328	0.647853387	0.999371363	Not Sig
ENSG00000136451	VEZF1	vascular endothelial zinc finger 1	7716	1656.318269	0.246465195	0.3951574	0.623713981	0.53281544	0.999371363	Not Sig
ENSG00000102910	LONP2	lon peptidase 2, peroxisomal	83752	2882.535867	0.246539242	0.408937587	0.60287743	0.546590231	0.999371363	Not Sig
ENSG00000165704	HPRT1	hypoxanthine phosphoribosyltransferase 1	3251	271.7853632	0.246630505	0.658657907	0.374444005	0.708074009	0.999371363	Not Sig
ENSG00000154978	VOPP1	VOPP1, WBPI/VOPP1 family member	81552	1713.108149	0.246644713	0.513982368	0.479869987	0.631319843	0.999371363	Not Sig
ENSG00000265821	NA	NA	NA	12.27634469	0.246837696	0.782145726	0.315590417	0.752313413	0.999371363	Not Sig
ENSG00000144485	HES6	hes family bHLH transcription factor 6	55502	137.028699	0.247181595	0.581155408	0.425327876	0.670597675	0.999371363	Not Sig
ENSG00000145022	TCTA	T-cell leukemia translocation altered	6988	585.0500457	0.247317676	0.522345806	0.47347499	0.63587434	0.999371363	Not Sig
ENSG00000137642	SORL1	sortilin related receptor 1	6653	8638.794893	0.247325867	0.563903581	0.438596021	0.660954281	0.999371363	Not Sig
ENSG00000269121	NA	NA	NA	1.562369547	0.247590715	2.300828688	0.107609365	0.914305568	NA	NA
ENSG00000115415	STAT1	signal transducer and activator of transcription 1	6772	7155.333726	0.247733613	0.662712526	0.37381761	0.708540017	0.999371363	Not Sig
ENSG00000112078	KCTD20	potassium channel tetramerization domain containing 20	222658	1869.376163	0.247743475	0.445230923	0.55643816	0.577911358	0.999371363	Not Sig
ENSG00000112039	FANCE	Fanconi anemia complementation group E	2178	178.0925959	0.247764818	0.754405301	0.328424016	0.742591087	0.999371363	Not Sig
ENSG00000158869	FCER1G	Fc fragment of IgE receptor Ig	2207	573.1470527	0.247799646	0.869387372	0.285027888	0.775622777	0.999371363	Not Sig
ENSG00000100926	TM9SF1	transmembrane 9 superfamily member 1	10548	152.7880249	0.247927582	0.602056727	0.411801032	0.680485265	0.999371363	Not Sig
ENSG00000138663	COPS4	COP9 signalosome subunit 4	51138	459.6115414	0.247972414	0.432701577	0.573079523	0.566590851	0.999371363	Not Sig
ENSG00000271155	NA	NA	NA	24.55236905	0.248036624	0.713764076	0.347505054	0.728211923	0.999371363	Not Sig
ENSG00000163795	ZNF513	zinc finger protein 513	130557	392.6143326	0.248134612	0.479915072	0.517038589	0.605129221	0.999371363	Not Sig
ENSG00000207508	NA	NA	NA	7.482254916	0.24892311	1.03426151	0.240677148	0.809805352	0.999371363	Not Sig
ENSG00000042445	RETSAT	retinol saturase	54884	1255.745379	0.249019914	0.498908412	0.499129516	0.617688145	0.999371363	Not Sig
ENSG00000164099	PRSS12	protease, serine 12	8492	453.2353505	0.249044026	1.029028641	0.242018556	0.808765785	0.999371363	Not Sig
ENSG00000160224	AIRE	autoimmune regulator	326	3.005713989	0.24908644	1.552852991	0.16040568	0.872561516	NA	NA
ENSG00000189057	FAM111B	family with sequence similarity 111 member B	374393	145.2426143	0.24915139	1.101554276	0.226181674	0.821060123	0.999371363	Not Sig
ENSG00000265254	NA	NA	NA	4.893946095	0.249332458	1.164246143	0.214157856	0.83042396	NA	NA
ENSG00000147100	SLC16A2	solute carrier family 16 member 2	6567	357.5944655	0.249383486	0.424242315	0.587832655	0.556644623	0.999371363	Not Sig
ENSG00000222040	NA	NA	NA	8.645657843	0.249642622	1.24438522	0.200615226	0.840999451	0.999371363	Not Sig

ENSG00000101347	SAMHD1	<small>SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1</small>	25939	3692.642933	0.249761046	0.825096592	0.30270522	0.762114519	0.999371363	Not Sig
ENSG00000256347	NA	NA	NA	0.901488849	0.249893167	3.144221528	0.079476959	0.936653257	NA	NA
ENSG00000260084	NA	NA	NA	0.901488849	0.249893167	3.144221528	0.079476959	0.936653257	NA	NA
ENSG00000240376	NA	NA	NA	6.513357717	0.250008712	1.173422636	0.213059391	0.831280639	NA	NA
ENSG00000223343	NA	NA	NA	16.84560163	0.250025846	0.683692468	0.365699284	0.714589481	0.999371363	Not Sig
ENSG00000177239	MAN1B1	mannosidase alpha class 1B member 1	11253	1787.060648	0.250097463	0.475737235	0.525705041	0.599093161	0.999371363	Not Sig
ENSG00000243176	NA	NA	NA	35.61663199	0.250106356	0.677994033	0.368891678	0.712208467	0.999371363	Not Sig
ENSG00000197933	ZNF823	zinc finger protein 823	55552	116.8337601	0.25012724	0.544707591	0.459195436	0.646093827	0.999371363	Not Sig
ENSG00000223529	NA	NA	NA	1.063407375	0.250196341	2.538599515	0.098556838	0.921490141	NA	NA
ENSG00000008018	PSMB1	proteasome subunit beta 1	5689	1543.417476	0.250251898	0.426720991	0.586453217	0.557570991	0.999371363	Not Sig
ENSG00000165934	CPSF2	<small>cleavage and polyadenylation specific factor 2</small>	53981	1621.610707	0.250448015	0.441415783	0.5673744	0.570459839	0.999371363	Not Sig
ENSG00000169951	ZNF764	zinc finger protein 764	92595	233.3312788	0.250491203	0.561611145	0.446022493	0.655580998	0.999371363	Not Sig
ENSG00000065029	ZNF76	zinc finger protein 76	7629	816.3012669	0.250844926	0.40368733	0.621384192	0.534346871	0.999371363	Not Sig
ENSG00000206888	NA	NA	NA	2.041864394	0.250902501	1.637490865	0.153223756	0.878221824	NA	NA
ENSG00000108958	NA	NA	NA	1.623291215	0.250923479	2.223672718	0.112841911	0.91015589	NA	NA
ENSG00000236456	NA	NA	NA	1.623291215	0.250923479	2.223672718	0.112841911	0.91015589	NA	NA
ENSG00000012223	LTF	lactotransferrin	4057	389.9237822	0.251021203	0.959485586	0.261620609	0.793613953	0.999371363	Not Sig
ENSG00000235284	SNORD62A	small nucleolar RNA, C/D box 62A	26786	5.249854475	0.251176068	1.137778837	0.22076001	0.825279303	NA	NA
ENSG00000212916	MAP10	microtubule associated protein 10	54627	101.7262912	0.251243864	0.741434564	0.338861818	0.734713829	0.999371363	Not Sig
ENSG00000264812	NA	NA	NA	3.291395787	0.251261214	1.489159604	0.168726853	0.866011496	NA	NA
ENSG00000010270	STARD3NL	STARD3 N-terminal like	83930	624.7487288	0.251279231	0.410391976	0.612290801	0.540345375	0.999371363	Not Sig
ENSG00000238772	NA	NA	NA	5.914775957	0.25135017	1.187817607	0.211606705	0.832413878	NA	NA
ENSG00000132780	NASP	nuclear autoantigenic sperm protein	4678	1920.492448	0.2516688	0.612969055	0.410573417	0.681385359	0.999371363	Not Sig
ENSG00000232926	NA	NA	NA	1.459236227	0.252000772	2.315310254	0.108841038	0.913328573	NA	NA
ENSG00000134160	TRPM1	<small>transient receptor potential cation channel subfamily M member 1</small>	4308	1.71743553	0.252440014	1.93695364	0.130328372	0.896306634	NA	NA
ENSG00000158864	NDUFS2	<small>NADH:ubiquinone oxidoreductase core subunit S2</small>	4720	1533.783064	0.252570132	0.451275019	0.559681173	0.575696926	0.999371363	Not Sig
ENSG00000196187	TMEM63A	transmembrane protein 63A	9725	4289.634861	0.252818961	0.542848593	0.465726474	0.6414113	0.999371363	Not Sig
ENSG00000188295	ZNF669	zinc finger protein 669	79862	148.9120438	0.252851279	0.463081446	0.546019024	0.58505286	0.999371363	Not Sig
ENSG00000173992	CCS	copper chaperone for superoxide dismutase	9973	470.1536984	0.25299784	0.51222867	0.493915813	0.621365637	0.999371363	Not Sig
ENSG00000105298	CACTIN	cactin, spliceosome C complex subunit	58509	645.1462455	0.253294541	0.680748304	0.372082515	0.709831415	0.999371363	Not Sig
ENSG00000168282	MGAT2	<small>mannosyl (alpha-1,6)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase</small>	4247	783.2436107	0.253298016	0.48382978	0.52352713	0.600607476	0.999371363	Not Sig
ENSG00000133131	MORC4	MORC family CW-type zinc finger 4	79710	560.0821668	0.253486391	0.545971565	0.464284969	0.642443591	0.999371363	Not Sig
ENSG00000144852	NRII2	nuclear receptor subfamily 1 group I member 2	8856	7.962324883	0.253671039	1.150421243	0.220502742	0.825479637	0.999371363	Not Sig
ENSG00000065427	KARS	lysyl-tRNA synthetase	3735	1738.333566	0.253829634	0.458135235	0.554049579	0.579544915	0.999371363	Not Sig
ENSG00000267263	NA	NA	NA	54.40963475	0.253942038	0.521961674	0.486514722	0.62660227	0.999371363	Not Sig

ENSG00000222020	LOC101928111	uncharacterized LOC101928111	101928111	19.67035018	0.254005531	0.725701915	0.350013588	0.7263285	0.999371363	Not Sig
ENSG00000269363	NA	NA	NA	9.376620505	0.254086077	0.919113136	0.276447008	0.782204755	0.999371363	Not Sig
ENSG00000179862	CITED4	<small>Onp/p800 interacting transactivator with Glu/Asp rich carboxy-terminal domain 4</small>	163732	361.4926983	0.254152023	0.899933094	0.282412131	0.777627514	0.999371363	Not Sig
ENSG00000238919	NA	NA	NA	4.561491283	0.254153734	1.15898954	0.219289066	0.826424879	NA	NA
ENSG00000152894	PTPRK	protein tyrosine phosphatase, receptor type K	5796	3193.110315	0.254260571	0.472974611	0.537577631	0.590868676	0.999371363	Not Sig
ENSG00000141959	PFKL	phosphofructokinase, liver type	5211	3363.855449	0.254296027	0.586583767	0.433520396	0.664636752	0.999371363	Not Sig
ENSG00000143669	LYST	lysosomal trafficking regulator	1130	2823.584323	0.254357937	0.402946045	0.631245646	0.52787992	0.999371363	Not Sig
ENSG00000110107	PRPF19	pre-mRNA processing factor 19	27339	1438.506114	0.254458493	0.43477063	0.58527066	0.55836574	0.999371363	Not Sig
ENSG00000197555	SIPAIL1	signal induced proliferation associated 1 like 1	26037	2189.073088	0.25451639	0.377149942	0.674841385	0.499776544	0.999371363	Not Sig
ENSG00000178464	NA	NA	NA	34.0771354	0.254563673	0.60033643	0.424035025	0.67154027	0.999371363	Not Sig
ENSG00000077800	FKBP6	FK506 binding protein 6	8468	1.411449919	0.254564991	2.033974352	0.125156441	0.900399701	NA	NA
ENSG00000162441	LZIC	leucine zipper and CTNBP1 domain containing	84328	547.8315638	0.254803819	0.429252739	0.593598587	0.552780626	0.999371363	Not Sig
ENSG00000112514	CUTA	cutA divalent cation tolerance homolog	51596	1071.782356	0.254818396	0.647078269	0.393798414	0.693729876	0.999371363	Not Sig
ENSG00000066136	NFYC	nuclear transcription factor Y subunit gamma	4802	976.1061905	0.254928496	0.405916285	0.628032197	0.529982848	0.999371363	Not Sig
ENSG00000135148	TRAFD1	TRAF-type zinc finger domain containing 1	10906	1045.167337	0.255049524	0.538596442	0.473544763	0.635824573	0.999371363	Not Sig
ENSG00000183628	DGCR6	DiGeorge syndrome critical region gene 6	8214	329.2441181	0.25511897	0.531543244	0.479959012	0.631256539	0.999371363	Not Sig
ENSG00000112685	EXOC2	exocyst complex component 2	55770	1051.918125	0.255270504	0.388688733	0.656747887	0.511343038	0.999371363	Not Sig
ENSG00000255301	NA	NA	NA	4.133767908	0.255293901	1.355857085	0.188289683	0.850649572	NA	NA
ENSG00000033867	SLC4A7	solute carrier family 4 member 7	9497	1242.429643	0.255494927	0.709391634	0.360160615	0.718727026	0.999371363	Not Sig
ENSG00000187634	SAMD11	sterile alpha motif domain containing 11	148398	290.5744277	0.255514949	0.779372993	0.32784681	0.743027492	0.999371363	Not Sig
ENSG00000133313	CNDP2	carnosine dipeptidase 2	55748	3148.272618	0.25577861	0.520013804	0.491868885	0.622812036	0.999371363	Not Sig
ENSG00000266352	NA	NA	NA	7.917096519	0.255835863	1.079451266	0.237005478	0.81265254	0.999371363	Not Sig
ENSG00000181991	MRPS11	mitochondrial ribosomal protein S11	64963	347.9321081	0.256304425	0.468435055	0.547150395	0.584275412	0.999371363	Not Sig
ENSG00000101052	IFT52	intraflagellar transport 52	51098	303.3444917	0.256323091	0.443759818	0.577616721	0.563522915	0.999371363	Not Sig
ENSG00000145996	CDKAL1	<small>CDK5 regulatory subunit associated protein 1 like 1</small>	54901	636.3592518	0.256419765	0.524120596	0.489238101	0.624673138	0.999371363	Not Sig
ENSG00000213073	LOC729603	calcineurin like EF-hand protein 1 pseudogene	729603	119.8254764	0.256622066	0.53057139	0.483671134	0.628619282	0.999371363	Not Sig
ENSG00000168883	USP39	ubiquitin specific peptidase 39	10713	945.5684757	0.257020092	0.438677083	0.585898152	0.557943959	0.999371363	Not Sig
ENSG00000182199	SHMT2	serine hydroxymethyltransferase 2	6472	729.0091801	0.257121731	0.473962462	0.542493872	0.587478328	0.999371363	Not Sig
ENSG00000188352	FOCAD	focadhesin	54914	1149.681171	0.257154706	0.719346772	0.357483645	0.720729768	0.999371363	Not Sig
ENSG00000101457	DNTTIP1	<small>deoxynucleotidyltransferase terminal interacting protein 1</small>	116092	700.245616	0.257219241	0.653689755	0.393488255	0.693958897	0.999371363	Not Sig
ENSG00000239577	NA	NA	NA	4.927562073	0.257267836	1.246326304	0.206420931	0.836462123	NA	NA
ENSG00000132382	MYBBP1A	MYB binding protein 1a	10514	1310.414798	0.257299537	0.439184923	0.585856944	0.557971653	0.999371363	Not Sig
ENSG00000230184	NA	NA	NA	55.0885454	0.257454955	0.695803499	0.370011009	0.711374288	0.999371363	Not Sig
ENSG00000165566	AMER2	APC membrane recruitment protein 2	219287	9.119117499	0.257551719	1.392076362	0.185012637	0.853219124	0.999371363	Not Sig
ENSG00000099385	BCL7C	BCL tumor suppressor 7C	9274	704.4645052	0.25779854	0.640856739	0.402271715	0.687484068	0.999371363	Not Sig

ENSG00000168016	TRANK1	tetratricopeptide repeat and ankyrin repeat containing 1	9881	2653.465285	0.257840653	0.563253149	0.45777046	0.647117361	0.999371363	Not Sig
ENSG00000244389	NA	NA	NA	4.280287363	0.258005977	1.308272502	0.19721119	0.843662274	NA	NA
ENSG00000176700	NA	NA	NA	294.8820469	0.25808599	0.41332141	0.6244196	0.532352056	0.999371363	Not Sig
ENSG00000085872	CHERP	calcium homeostasis endoplasmic reticulum protein	10523	1035.512934	0.258160616	0.577895231	0.446725639	0.655073167	0.999371363	Not Sig
ENSG00000140598	EFL1	elongation factor like GTPase 1	79631	652.7748624	0.258392261	0.416981465	0.619673253	0.535472928	0.999371363	Not Sig
ENSG00000136950	ARPC5L	actin related protein 2/3 complex subunit 5 like	81873	536.9809677	0.258418487	0.427399203	0.60463025	0.545424702	0.999371363	Not Sig
ENSG00000156603	MED19	mediator complex subunit 19	219541	211.2969612	0.258482078	0.447924826	0.577065756	0.563895036	0.999371363	Not Sig
ENSG00000111266	DUSP16	dual specificity phosphatase 16	80824	1835.008387	0.258816244	0.435486758	0.594314841	0.552301554	0.999371363	Not Sig
ENSG00000137509	PRCP	prolylcarboxypeptidase	5547	1223.144098	0.258941181	0.489395481	0.529104152	0.596733201	0.999371363	Not Sig
ENSG00000060688	SNRNP40	small nuclear ribonucleoprotein U5 subunit 40	9410	728.9684974	0.259136583	0.446046135	0.580963633	0.561264964	0.999371363	Not Sig
ENSG00000112146	FBXO9	F-box protein 9	26268	1206.176185	0.259264105	0.432919863	0.598873202	0.549257443	0.999371363	Not Sig
ENSG00000173821	RNF213	ring finger protein 213	57674	22940.25214	0.259466447	0.522219455	0.496853275	0.619292523	0.999371363	Not Sig
ENSG00000152213	ARL11	ADP ribosylation factor like GTPase 11	115761	115.4661575	0.259497748	0.772719453	0.335824013	0.737003581	0.999371363	Not Sig
ENSG00000229106	NA	NA	NA	5.486593811	0.259563051	1.072308254	0.242060107	0.808733589	NA	NA
ENSG00000137274	BPHL	biphenyl hydrolase like	670	359.5990541	0.259751966	0.542201363	0.479069187	0.63188941	0.999371363	Not Sig
ENSG00000183914	DNAH2	dynein axonemal heavy chain 2	146754	607.1159632	0.259873692	0.453807801	0.572651443	0.566880721	0.999371363	Not Sig
ENSG00000125966	MMP24	matrix metalloproteinase 24	10893	274.6210082	0.259901854	0.899744445	0.28886186	0.772687092	0.999371363	Not Sig
ENSG00000116044	NFE2L2	nuclear factor, erythroid 2 like 2	4780	2385.904918	0.260005138	0.414632936	0.627073044	0.530611356	0.999371363	Not Sig
ENSG00000254154	NA	NA	NA	22.76944163	0.260031422	0.803417059	0.323656835	0.746197854	0.999371363	Not Sig
ENSG00000246985	SOCS2-AS1	SOCS2 antisense RNA 1	144481	33.72325928	0.260048382	0.605734856	0.42931058	0.667697218	0.999371363	Not Sig
ENSG00000143373	ZNF687	zinc finger protein 687	57592	1321.674219	0.260091307	0.486696146	0.534401821	0.593063559	0.999371363	Not Sig
ENSG00000142621	FHAD1	forkhead associated phosphopeptide binding domain 1	114827	337.4140672	0.260303335	0.760322552	0.342359087	0.732080674	0.999371363	Not Sig
ENSG00000058600	POLR3E	RNA polymerase III subunit E	55718	1191.68239	0.260647082	0.395109473	0.659683201	0.509457149	0.999371363	Not Sig
ENSG00000058600	LOC101060521	DNA-directed RNA polymerase III subunit RPC5	101060521	1191.68239	0.260647082	0.395109473	0.659683201	0.509457149	0.999371363	Not Sig
ENSG00000230207	NA	NA	NA	5.660103048	0.260671947	1.035938691	0.251628739	0.801328043	NA	NA
ENSG00000229886	NA	NA	NA	18.36060017	0.260722025	0.886784237	0.294008412	0.768751476	0.999371363	Not Sig
ENSG00000116198	CEP104	centrosomal protein 104	9731	1348.670784	0.260799197	0.426550676	0.611414332	0.540925317	0.999371363	Not Sig
ENSG00000113758	DBN1	drebrin 1	1627	1477.591481	0.260887625	0.624310194	0.417881412	0.676033824	0.999371363	Not Sig
ENSG00000255517	LOC101928069	uncharacterized LOC101928069	101928069	72.21888944	0.260921465	0.565096995	0.461728636	0.644275933	0.999371363	Not Sig
ENSG00000218350	NA	NA	NA	2.312938768	0.260995516	1.559101697	0.167401214	0.86705437	NA	NA
ENSG00000213246	SUPT4H1	SPT4 homolog, DSIF elongation factor subunit	6827	645.4502427	0.26115369	0.468624772	0.55727675	0.577338359	0.999371363	Not Sig
ENSG00000182093	WRB	tryptophan rich basic protein	7485	376.926893	0.26117519	0.413786492	0.631183461	0.527920575	0.999371363	Not Sig
ENSG00000122367	LDB3	LIM domain binding 3	11155	67.68809532	0.261388414	0.926818807	0.282027525	0.777922405	0.999371363	Not Sig
ENSG00000143569	UBAP2L	ubiquitin associated protein 2 like	9898	3571.459245	0.2614351	0.426779563	0.612576428	0.540156449	0.999371363	Not Sig
ENSG00000229007	NA	NA	NA	23.16950259	0.261496933	0.805269126	0.324732346	0.745383651	0.999371363	Not Sig

ENSG00000135297	MT01	mitochondrial tRNA translation optimization 1	25821	563.8806608	0.261543088	0.410564534	0.637032833	0.524103458	0.999371363	Not Sig
ENSG00000087077	TRIP6	thyroid hormone receptor interactor 6	7205	1197.982882	0.2616947	0.530135218	0.493637644	0.62156211	0.999371363	Not Sig
ENSG00000134955	SLC37A2	solute carrier family 37 member 2	219855	345.2603048	0.261727752	0.781765105	0.334790784	0.737782913	0.999371363	Not Sig
ENSG00000173692	PSMD1	proteasome 26S subunit, non-ATPase 1	5707	1761.292386	0.261762699	0.434815025	0.602009323	0.547167932	0.999371363	Not Sig
ENSG00000048028	USP28	ubiquitin specific peptidase 28	57646	786.0536306	0.261783896	0.525069406	0.49857008	0.618082288	0.999371363	Not Sig
ENSG00000236801	NA	NA	NA	17.72303528	0.261826357	0.77928125	0.335984417	0.736882617	0.999371363	Not Sig
ENSG00000189091	SF3B3	splicing factor 3b subunit 3	23450	3227.911093	0.26190665	0.391691018	0.668656257	0.503714777	0.999371363	Not Sig
ENSG00000229196	NA	NA	NA	8.733391014	0.262013249	1.30614738	0.200600065	0.841011307	0.999371363	Not Sig
ENSG00000213533	STIMATE	STIM activating enhancer	375346	70.8638375	0.262447893	0.580268657	0.452286868	0.651062335	0.999371363	Not Sig
ENSG00000076321	KLHL20	kelch like family member 20	27252	659.6876773	0.262500156	0.470205216	0.558267214	0.57666193	0.999371363	Not Sig
ENSG00000165186	PTCHD1	patched domain containing 1	139411	16.42920426	0.262991561	0.798444991	0.329379687	0.741868719	0.999371363	Not Sig
ENSG00000144550	CPNE9	copine family member 9	151835	7.914417801	0.263155625	0.946538588	0.278018908	0.780997844	0.999371363	Not Sig
ENSG00000176428	VPS37D	VPS37D, ESCRT-I subunit	155382	59.49936308	0.263300284	0.829251303	0.317515671	0.75085235	0.999371363	Not Sig
ENSG00000137133	HINT2	histidine triad nucleotide binding protein 2	84681	269.8524955	0.263302338	0.679334891	0.387588422	0.698320638	0.999371363	Not Sig
ENSG00000120217	CD274	CD274 molecule	29126	223.3483838	0.26352934	0.834862683	0.31565591	0.752263695	0.999371363	Not Sig
ENSG00000159140	SON	SON DNA binding protein	6651	13031.03845	0.263732354	0.423834843	0.622252648	0.533775752	0.999371363	Not Sig
ENSG00000125869	LAMP5	lysosomal associated membrane protein family member 5	24141	57.18284684	0.264025511	0.548435579	0.481415723	0.630221064	0.999371363	Not Sig
ENSG00000129680	MAP7D3	MAP7 domain containing 3	79649	219.5823929	0.264105203	0.573988431	0.460122868	0.64542803	0.999371363	Not Sig
ENSG00000113742	CPEB4	cytoplasmic polyadenylation element binding protein 4	80315	2610.150925	0.264197593	0.461301291	0.572722423	0.566832653	0.999371363	Not Sig
ENSG00000077232	DNAJC10	DnaJ heat shock protein family (Hsp40) member C10	54431	2384.786591	0.264207432	0.465501023	0.56757648	0.570322582	0.999371363	Not Sig
ENSG00000084207	GSTP1	glutathione S-transferase pi 1	2950	6800.676474	0.264222686	0.513537934	0.514514446	0.606892363	0.999371363	Not Sig
ENSG00000121210	TMEM131L	transmembrane 131 like	23240	794.2022273	0.264404401	0.627902707	0.421091354	0.673688375	0.999371363	Not Sig
ENSG00000013306	SLC25A39	solute carrier family 25 member 39	51629	1442.892018	0.26448584	0.469510007	0.563323115	0.573214881	0.999371363	Not Sig
ENSG00000163430	FSTL1	follistatin like 1	11167	4399.355818	0.264592762	0.395302059	0.669343245	0.503276547	0.999371363	Not Sig
ENSG00000197208	SLC22A4	solute carrier family 22 member 4	6583	105.1285041	0.264730596	0.794268861	0.333300987	0.738907094	0.999371363	Not Sig
ENSG00000145337	PYURF	PIGY upstream reading frame	100996939	559.2070922	0.26476536	0.544078738	0.486630595	0.626520138	0.999371363	Not Sig
ENSG00000261546	NA	NA	NA	2.928330812	0.26480037	1.38411785	0.191313456	0.848280019	NA	NA
ENSG00000214022	REPIN1	replication initiator 1	29803	2004.579249	0.264845997	0.478572144	0.553408718	0.57998357	0.999371363	Not Sig
ENSG00000089248	ERP29	endoplasmic reticulum protein 29	10961	2052.184326	0.264857465	0.46717899	0.566929315	0.570762206	0.999371363	Not Sig
ENSG00000173258	ZNF483	zinc finger protein 483	158399	556.6793872	0.265022682	0.721288678	0.367429421	0.713298729	0.999371363	Not Sig
ENSG00000142606	MMEL1	membrane metalloendopeptidase like 1	79258	85.64912516	0.265099626	0.762848085	0.347512999	0.728205954	0.999371363	Not Sig
ENSG00000170545	SMAGP	small cell adhesion glycoprotein	57228	254.4808725	0.265134634	0.598486496	0.443008549	0.657759551	0.999371363	Not Sig
ENSG00000205755	CRLF2	cytokine receptor like factor 2	64109	9.17064702	0.265243897	0.895487139	0.296200678	0.767076831	0.999371363	Not Sig
ENSG00000167272	POP5	POP5 homolog, ribonuclease P/MRP subunit	51367	200.993104	0.265259405	0.436888926	0.60715525	0.543747887	0.999371363	Not Sig
ENSG00000142856	ITGB3BP	integrin subunit beta 3 binding protein	23421	200.1521635	0.265392577	0.666013783	0.398479106	0.690277057	0.999371363	Not Sig

ENSG00000127863	TNFRSF19	TNF receptor superfamily member 19	55504	737.829163	0.265493682	0.714854691	0.371395313	0.710343116	0.999371363	Not Sig
ENSG00000153989	NUS1	NUS1 dehydrodolichyl diphosphate synthase subunit	116150	1313.615309	0.265536483	0.458611506	0.579000919	0.562588553	0.999371363	Not Sig
ENSG00000220771	NA	NA	NA	5.257421653	0.265570662	1.1493179	0.231068064	0.817261925	NA	NA
ENSG00000160172	FAM86C2P	family with sequence similarity 86, member A pseudogene	645332	91.70307462	0.265717651	0.604351132	0.439674284	0.660173031	0.999371363	Not Sig
ENSG00000170890	PLA2G1B	phospholipase A2 group IB	5319	199.8964959	0.265821457	1.211534582	0.219408889	0.826331546	0.999371363	Not Sig
ENSG00000185896	LAMP1	lysosomal associated membrane protein 1	3916	6334.540834	0.265862575	0.521498018	0.509805533	0.610187709	0.999371363	Not Sig
ENSG00000100241	SBF1	SET binding factor 1	6305	3199.640563	0.265977969	0.624995481	0.425567826	0.670422788	0.999371363	Not Sig
ENSG00000268598	NA	NA	NA	3.085687975	0.266581942	1.454598808	0.183268363	0.854587457	NA	NA
ENSG00000184545	DUSP8	dual specificity phosphatase 8	1850	566.0882143	0.266811072	0.624873809	0.426983925	0.669391036	0.999371363	Not Sig
ENSG00000187626	ZKSCAN4	zinc finger with KRAB and SCAN domains 4	387032	204.676012	0.266973117	0.458504249	0.582269668	0.560385053	0.999371363	Not Sig
ENSG00000258727	LOC102724814	uncharacterized LOC102724814	102724814	244.308727	0.267018135	0.494882788	0.539558338	0.589501655	0.999371363	Not Sig
ENSG00000213896	NA	NA	NA	1.456219514	0.267057726	2.029476807	0.131589445	0.895309035	NA	NA
ENSG00000264525	MIR4778	microRNA 4778	100616464	1.456219514	0.267057726	2.029476807	0.131589445	0.895309035	NA	NA
ENSG00000116830	TTF2	transcription termination factor 2	8458	565.3636803	0.267427953	0.547401704	0.488540592	0.625166981	0.999371363	Not Sig
ENSG00000168005	C11orf84	chromosome 11 open reading frame 84	144097	398.008412	0.267551871	0.582750654	0.459118955	0.646148746	0.999371363	Not Sig
ENSG00000130313	PGLS	6-phosphogluconolactonase	25796	775.7128031	0.267573461	0.667305196	0.400976139	0.688437692	0.999371363	Not Sig
ENSG00000069275	NUCKS1	nuclear casein kinase and cyclin dependent kinase substrate 1	64710	8343.019319	0.268086	0.458555804	0.584631135	0.558795768	0.999371363	Not Sig
ENSG00000198417	MT1F	metallothionein 1F	4494	126.236853	0.268123862	0.68712017	0.39021393	0.696378362	0.999371363	Not Sig
ENSG00000182308	DCAF4L1	DDB1 and CUL4 associated factor 4 like 1	285429	16.66118847	0.268270175	0.975392891	0.275038067	0.783286992	0.999371363	Not Sig
ENSG00000243770	NA	NA	NA	4.756610779	0.268285089	1.264511728	0.212164967	0.831978337	NA	NA
ENSG00000181982	CCDC149	coiled-coil domain containing 149	91050	690.0518809	0.268325668	0.483303345	0.555191002	0.578764023	0.999371363	Not Sig
ENSG00000119514	GALNT12	polypeptide N-acetylgalactosaminyltransferase 12	79695	948.8165438	0.268481537	0.541136572	0.496143766	0.619792982	0.999371363	Not Sig
ENSG00000204351	SKIV2L	Ski2 like RNA helicase	6499	1304.925536	0.268498184	0.448594288	0.59853233	0.549484794	0.999371363	Not Sig
ENSG00000114786	ABHD14A-ACY1	ABHD14A-ACY1 readthrough	100526760	3.324419953	0.268680634	1.340347444	0.20045596	0.841123998	NA	NA
ENSG00000102893	PHKB	phosphorylase kinase regulatory subunit beta	5257	2870.202512	0.268767634	0.476889952	0.563584183	0.573037154	0.999371363	Not Sig
ENSG00000118655	DCLRE1B	DNA cross-link repair 1B	64858	203.6557778	0.268863374	0.59183682	0.454286326	0.649622757	0.999371363	Not Sig
ENSG00000112130	RNF8	ring finger protein 8	9025	342.7467291	0.268952879	0.509062249	0.528330042	0.597270284	0.999371363	Not Sig
ENSG00000155367	PPM1J	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1J	333926	30.9870271	0.269308502	0.726217438	0.370837284	0.71075873	0.999371363	Not Sig
ENSG00000172301	COPRS	coordinator of PRMT5 and differentiation stimulator	55352	411.3568946	0.26951705	0.567157303	0.475206876	0.634639527	0.999371363	Not Sig
ENSG00000076641	PAG1	phosphoprotein membrane anchor with glycosphingolipid microdomains 1	55824	2175.884965	0.269696327	0.500625247	0.53871899	0.590080768	0.999371363	Not Sig
ENSG00000120705	ETF1	eukaryotic translation termination factor 1	2107	2353.771234	0.269962891	0.48988206	0.551077317	0.581580674	0.999371363	Not Sig
ENSG00000112110	MRPL18	mitochondrial ribosomal protein L18	29074	677.7938806	0.269991502	0.410561207	0.657615715	0.510785094	0.999371363	Not Sig
ENSG00000266294	NA	NA	NA	1.287863452	0.270264182	2.472144609	0.109323776	0.912945689	NA	NA
ENSG00000157470	FAM81A	family with sequence similarity 81 member A	145773	92.03263995	0.270368886	0.748435747	0.361245286	0.717916091	0.999371363	Not Sig
ENSG00000213866	NA	NA	NA	6.71849029	0.270428391	1.021663636	0.264694153	0.791245082	0.999371363	Not Sig

ENSG00000070413	DGCR2	DiGeorge syndrome critical region gene 2	9993	3058.345327	0.270540132	0.552716548	0.489473552	0.624506474	0.999371363	Not Sig
ENSG00000110063	DCPS	decapping enzyme, scavenger	28960	262.6678558	0.270644072	0.532128672	0.508606444	0.611028111	0.999371363	Not Sig
ENSG00000123505	AMD1	adenosylmethionine decarboxylase 1	262	1542.444716	0.270823041	0.412465609	0.656595446	0.511441078	0.999371363	Not Sig
ENSG00000178449	COX14	COX14, cytochrome c oxidase assembly factor	84987	266.5465576	0.270929588	0.553621523	0.489376906	0.624574883	0.999371363	Not Sig
ENSG00000149483	TMEM138	transmembrane protein 138	51524	470.2990695	0.271109139	0.466857672	0.580710471	0.561435603	0.999371363	Not Sig
ENSG00000114670	NEK11	NIMA related kinase 11	79858	301.7683087	0.271160038	0.461063147	0.588119088	0.556452362	0.999371363	Not Sig
ENSG00000068438	FTSJ1	FtsJ RNA methyltransferase homolog 1	24140	590.6397235	0.271216299	0.441665311	0.614076524	0.539164761	0.999371363	Not Sig
ENSG00000169180	XP06	exportin 6	23214	2232.843985	0.271233695	0.390262962	0.695002401	0.487053797	0.999371363	Not Sig
ENSG00000077044	DGKD	diacylglycerol kinase delta	8527	1600.415502	0.271298814	0.585929597	0.463022889	0.643347961	0.999371363	Not Sig
ENSG00000171421	MRPL36	mitochondrial ribosomal protein L36	64979	158.9540965	0.271514061	0.538559192	0.504148969	0.614156698	0.999371363	Not Sig
ENSG00000159110	IFNAR2	interferon alpha and beta receptor subunit 2	3455	1217.985748	0.271522304	0.436654086	0.621824719	0.534057131	0.999371363	Not Sig
ENSG00000143185	XCL2	X-C motif chemokine ligand 2	6846	12.74271053	0.271775139	0.963323748	0.282122328	0.777849713	0.999371363	Not Sig
ENSG00000138617	PARP16	poly(ADP-ribose) polymerase family member 16	54956	299.2741551	0.27177628	0.481791093	0.564095691	0.57268901	0.999371363	Not Sig
ENSG00000221634	MIR1276	microRNA 1276	100302121	4.445211704	0.271830584	1.193505297	0.227758171	0.819834247	NA	NA
ENSG00000136653	NA	NA	NA	1404.026554	0.271962841	0.635917144	0.427670246	0.668891215	0.999371363	Not Sig
ENSG00000013392	RWDD2A	RWD domain containing 2A	112611	202.2386903	0.272005312	0.585336355	0.46469916	0.64214691	0.999371363	Not Sig
ENSG00000126945	HNRNPH2	heterogeneous nuclear ribonucleoprotein H2	3188	1430.091886	0.273103888	0.484833336	0.563294369	0.573234452	0.999371363	Not Sig
ENSG00000135077	HAVCR2	hepatitis A virus cellular receptor 2	84868	526.4540647	0.273235264	0.785836743	0.347699782	0.72806566	0.999371363	Not Sig
ENSG00000115539	PDCL3	phosducin like 3	79031	278.1447549	0.273279067	0.5149331	0.530707906	0.595621206	0.999371363	Not Sig
ENSG00000141385	AFG3L2	AFG3 like matrix AAA peptidase subunit 2	10939	1452.923417	0.273601893	0.526975444	0.519192869	0.603626251	0.999371363	Not Sig
ENSG00000166199	ALKBH3	alkB homolog 3, alpha-ketoglutaratedependent dioxygenase	221120	343.2385391	0.273605007	0.407701043	0.671092243	0.502161768	0.999371363	Not Sig
ENSG00000198721	ECI2	enoyl-CoA delta isomerase 2	10455	610.1789596	0.273649391	0.576438431	0.474724406	0.63498342	0.999371363	Not Sig
ENSG00000207973	MIR589	microRNA 589	693174	12.41451236	0.274067519	0.954412977	0.287158207	0.773991186	0.999371363	Not Sig
ENSG00000086758	HUWE1	HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase	10075	12762.10627	0.274223423	0.396845747	0.691007589	0.489560772	0.999371363	Not Sig
ENSG00000145780	FEM1C	fem-1 homolog C	56929	913.2125461	0.274392203	0.516055995	0.531710136	0.594926771	0.999371363	Not Sig
ENSG00000148229	POLE3	DNA polymerase epsilon 3, accessory subunit	54107	585.7943169	0.274525265	0.45708926	0.600594434	0.548110146	0.999371363	Not Sig
ENSG00000167671	UBXN6	UBX domain protein 6	80700	2065.813686	0.274535417	0.694519587	0.395288228	0.692630186	0.999371363	Not Sig
ENSG00000225850	NA	NA	NA	2.770973648	0.274629506	1.624879422	0.169015314	0.865784596	NA	NA
ENSG00000124541	RRP36	ribosomal RNA processing 36	88745	622.4787302	0.274692508	0.455816816	0.602637943	0.546749573	0.999371363	Not Sig
ENSG00000241525	LOC105371430	uncharacterized LOC105371430	105371430	4.665078948	0.274793345	1.238610018	0.221856226	0.824425808	NA	NA
ENSG00000142166	IFNAR1	interferon alpha and beta receptor subunit 1	3454	2333.285001	0.274953345	0.453698324	0.606026803	0.544496955	0.999371363	Not Sig
ENSG00000166900	STX3	syntaxin 3	6809	1447.156776	0.275074385	0.580911467	0.473522043	0.635840778	0.999371363	Not Sig
ENSG00000168916	ZNF608	zinc finger protein 608	57507	1134.344989	0.275222121	0.519118028	0.530172535	0.595992312	0.999371363	Not Sig
ENSG00000102271	KLHL4	kelch like family member 4	56062	37.41281055	0.275539328	0.605128375	0.455340287	0.648864447	0.999371363	Not Sig
ENSG00000269275	NA	NA	NA	6.656118646	0.275803279	1.211631375	0.227629694	0.819934133	0.999371363	Not Sig

ENSG00000273076	NA	NA	NA	6.562306532	0.276207635	1.249963502	0.22097256	0.825113799	NA	NA
ENSG00000205531	NAP1L4	nucleosome assembly protein 1 like 4	4676	2641.493473	0.276259016	0.422984336	0.653118786	0.513679702	0.999371363	Not Sig
ENSG00000267322	SCARNA17	small Cajal body-specific RNA 17	677769	7.933531927	0.2764278	1.003114886	0.275569432	0.78287879	0.999371363	Not Sig
ENSG00000267322	SNHG22	small nucleolar RNA host gene 22	103091864	7.933531927	0.2764278	1.003114886	0.275569432	0.78287879	0.999371363	Not Sig
ENSG00000144357	UBR3	ubiquitin protein ligase E3 component n-recognin 3 (putative)	130507	2308.911868	0.276525608	0.443620664	0.623337979	0.533062446	0.999371363	Not Sig
ENSG00000126460	PRRG2	proline rich and Gla domain 2	5639	156.1669333	0.276682779	0.525593412	0.526419799	0.598596562	0.999371363	Not Sig
ENSG00000230042	NA	NA	NA	21.88619881	0.276806988	0.82514046	0.335466508	0.737273206	0.999371363	Not Sig
ENSG00000185052	SLC24A3	solute carrier family 24 member 3	57419	417.9875116	0.276821118	0.86303746	0.320752146	0.748398227	0.999371363	Not Sig
ENSG00000110074	FOXRED1	FAD dependent oxidoreductase domain containing 1	55572	386.5016835	0.276855816	0.459043802	0.603114158	0.546432748	0.999371363	Not Sig
ENSG00000023608	SNAPC1	small nuclear RNA activating complex polypeptide 1	6617	169.7691605	0.27697858	0.450707634	0.614541578	0.538857507	0.999371363	Not Sig
ENSG00000161267	BDH1	3-hydroxybutyrate dehydrogenase 1	622	566.2296443	0.277098727	0.769832499	0.359946777	0.718886935	0.999371363	Not Sig
ENSG00000162062	TEDC2	tubulin epsilon and delta complex 2	80178	45.4850918	0.277124919	0.92117113	0.300839779	0.763536674	0.999371363	Not Sig
ENSG00000089006	SNX5	sorting nexin 5	27131	1796.448255	0.277127589	0.443522556	0.624833136	0.532080581	0.999371363	Not Sig
ENSG00000156599	ZDHHC5	zinc finger DHHC-type containing 5	25921	2651.950291	0.277425671	0.418907458	0.662260043	0.507804579	0.999371363	Not Sig
ENSG00000204622	HLA-J	major histocompatibility complex, class I, J (pseudogene)	3137	50.53046419	0.277555466	1.136378171	0.244245686	0.807040546	0.999371363	Not Sig
ENSG00000129562	DAD1	defender against cell death 1	1603	1112.158855	0.277559411	0.451586767	0.614631409	0.538798167	0.999371363	Not Sig
ENSG00000146463	ZMYM4	zinc finger MYM-type containing 4	9202	2720.099145	0.277638666	0.523663233	0.530185526	0.595983306	0.999371363	Not Sig
ENSG00000268865	NA	NA	NA	2.995429726	0.277644729	1.441009557	0.19267376	0.847214475	NA	NA
ENSG00000117222	RBBP5	Rb binding protein 5, histone lysine methyltransferase complex subunit	5929	893.8080017	0.277803624	0.436898486	0.63585394	0.524871626	0.999371363	Not Sig
ENSG00000243704	NA	NA	NA	5.413799467	0.277999165	1.153873179	0.240926967	0.809611721	NA	NA
ENSG00000100365	NCF4	neutrophil cytosolic factor 4	4689	443.154131	0.278302878	0.849595711	0.327570955	0.743236086	0.999371363	Not Sig
ENSG00000204070	SYS1	SYS1, golgi trafficking protein	90196	520.0222532	0.278331973	0.486825603	0.571728297	0.567506061	0.999371363	Not Sig
ENSG00000205413	SAMD9	sterile alpha motif domain containing 9	54809	1044.276799	0.279036966	0.654938517	0.426050627	0.670070956	0.999371363	Not Sig
ENSG00000258780	NA	NA	NA	9.312057738	0.27909704	0.986730119	0.282850432	0.777291493	0.999371363	Not Sig
ENSG00000174669	SLC29A2	solute carrier family 29 member 2	3177	434.5318728	0.279102012	0.547805061	0.509491481	0.610407768	0.999371363	Not Sig
ENSG00000127125	PPCS	phosphopantothienoylcysteine synthetase	79717	833.1305692	0.27925667	0.511239191	0.546234864	0.584904504	0.999371363	Not Sig
ENSG00000132423	COQ3	coenzyme Q3, methyltransferase	51805	68.11858356	0.279259134	0.512011539	0.545415705	0.585467642	0.999371363	Not Sig
ENSG00000180764	PIPSL	PIP5K1A and PSMD4-like, pseudogene	266971	6.607032364	0.279426156	1.367022201	0.204404987	0.838037033	0.999371363	Not Sig
ENSG00000229534	NA	NA	NA	17.60752705	0.279449973	0.8676863	0.322063369	0.747404688	0.999371363	Not Sig
ENSG00000250133	HOXC-AS2	HOXC cluster antisense RNA 2	100874364	4.997517468	0.279469994	1.786543022	0.156430598	0.87569362	NA	NA
ENSG00000087263	OGFOD1	2-oxoglutarate and iron dependent oxygenase domain containing 1	55239	717.958357	0.279503218	0.405360111	0.68951831	0.490497155	0.999371363	Not Sig
ENSG00000170734	POLH	DNA polymerase eta	5429	363.085911	0.279911709	0.459064882	0.609743241	0.542031906	0.999371363	Not Sig
ENSG00000244268	NA	NA	NA	0.818083143	0.279991179	2.775417539	0.100882543	0.919643701	NA	NA
ENSG00000271509	NA	NA	NA	0.818083143	0.279991179	2.775417539	0.100882543	0.919643701	NA	NA
ENSG00000112578	BYSL	bystin like	705	252.0378754	0.280089249	0.582685808	0.480686582	0.630739269	0.999371363	Not Sig

ENSG00000125898	FAM110A	family with sequence similarity 110 member A	83541	372.8399586	0.280131213	0.683175059	0.410043091	0.681774338	0.999371363	Not Sig
ENSG00000205937	RNPS1	RNA binding protein with serine rich domain 1	10921	2160.014899	0.2801505	0.447838398	0.62556159	0.531602539	0.999371363	Not Sig
ENSG00000255561	FDXACB1	ferredoxin-fold anticodon binding domain containing 1	91893	21.17833798	0.280222069	0.688563777	0.406966033	0.684032936	0.999371363	Not Sig
ENSG00000116035	VAX2	ventral anterior homeobox 2	25806	33.46264001	0.280240915	0.769571136	0.36415206	0.715744463	0.999371363	Not Sig
ENSG00000140548	ZNF710	zinc finger protein 710	374655	1193.121355	0.280390901	0.475489339	0.589689142	0.555399076	0.999371363	Not Sig
ENSG00000114988	LMAN2L	lectin, mannose binding 2 like	81562	443.9381976	0.280622217	0.465164915	0.603274682	0.546325973	0.999371363	Not Sig
ENSG00000256073	URB1-AS1	URB1 antisense RNA 1 (head to head)	84996	46.9693208	0.280662609	0.583094694	0.481332812	0.63027998	0.999371363	Not Sig
ENSG00000231728	LOC100128594	uncharacterized LOC100128594	100128594	12.56000223	0.281107541	0.78736562	0.35702288	0.721074678	0.999371363	Not Sig
ENSG00000122545	7-Sep	septin 7	989	3233.757876	0.2811393	0.431776577	0.651122165	0.514967629	0.999371363	Not Sig
ENSG00000142655	PEX14	peroxisomal biogenesis factor 14	5195	525.3369286	0.281285558	0.523984474	0.536820406	0.591391675	0.999371363	Not Sig
ENSG00000250734	NA	NA	NA	3.842540014	0.281532755	1.584778746	0.177647987	0.858999435	NA	NA
ENSG00000271615	NA	NA	NA	1.114614505	0.281540487	2.942372303	0.095684862	0.923770864	NA	NA
ENSG00000175213	ZNF408	zinc finger protein 408	79797	183.7108127	0.281636537	0.542368877	0.519271199	0.603571635	0.999371363	Not Sig
ENSG00000123570	RAB9B	RAB9B, member RAS oncogene family	51209	32.18464443	0.281711935	0.744448578	0.378416916	0.705120904	0.999371363	Not Sig
ENSG00000132635	PCED1A	PC-esterase domain containing 1A	64773	750.929944	0.28209347	0.513646017	0.549198203	0.582869437	0.999371363	Not Sig
ENSG00000108468	CBX1	chromobox 1	10951	1101.998546	0.282189524	0.414963492	0.68003458	0.496482566	0.999371363	Not Sig
ENSG00000146285	SCML4	Scm polycomb group protein like 4	256380	93.30684199	0.28239424	0.742666084	0.380243889	0.703764383	0.999371363	Not Sig
ENSG00000238172	NA	NA	NA	2.213226271	0.282530554	1.588523656	0.177857316	0.858835033	NA	NA
ENSG00000143162	CREG1	cellular repressor of E1A stimulated genes 1	8804	2046.753437	0.282718976	0.49533727	0.570760556	0.568161964	0.999371363	Not Sig
ENSG00000198876	DCAF12	DDB1 and CUL4 associated factor 12	25853	1453.104488	0.282834693	0.427277055	0.661946833	0.508005296	0.999371363	Not Sig
ENSG00000125166	GOT2	glutamic-oxaloacetic transaminase 2	2806	1075.551941	0.282900358	0.413459547	0.684227417	0.493831572	0.999371363	Not Sig
ENSG00000013503	POLR3B	RNA polymerase III subunit B	55703	405.109468	0.283128933	0.48222838	0.587126234	0.55711893	0.999371363	Not Sig
ENSG00000139921	TMX1	thioredoxin related transmembrane protein 1	81542	913.5414957	0.283225504	0.538487708	0.525964659	0.598912762	0.999371363	Not Sig
ENSG00000099203	TMED1	transmembrane p24 trafficking protein 1	11018	319.9082825	0.283336614	0.609829582	0.464616054	0.642206434	0.999371363	Not Sig
ENSG00000272183	NA	NA	NA	24.27597055	0.283339263	0.781335571	0.362634537	0.716877907	0.999371363	Not Sig
ENSG00000137033	IL33	interleukin 33	90865	732.1516961	0.283388563	0.730101054	0.38814978	0.697905195	0.999371363	Not Sig
ENSG00000189316	NA	NA	NA	5.978952832	0.283533888	1.112856761	0.254780218	0.798892855	NA	NA
ENSG00000102225	CDK16	cyclin dependent kinase 16	5127	1696.158302	0.283847941	0.45040482	0.630206269	0.528559638	0.999371363	Not Sig
ENSG00000113456	RAD1	RAD1 checkpoint DNA exonuclease	5810	692.7115788	0.28391255	0.455709454	0.6230122	0.533276505	0.999371363	Not Sig
ENSG00000172893	DHCR7	7-dehydrocholesterol reductase	1717	786.8155226	0.283944084	0.56341743	0.503967517	0.614284203	0.999371363	Not Sig
ENSG00000161547	SRSF2	serine and arginine rich splicing factor 2	6427	2727.597143	0.284130478	0.417515688	0.680526471	0.496171166	0.999371363	Not Sig
ENSG00000204852	TCTN1	tectonic family member 1	79600	568.1956357	0.284186497	0.536360458	0.529842371	0.596221225	0.999371363	Not Sig
ENSG00000171282	NA	NA	NA	1329.30223	0.2842582	0.647825561	0.438788182	0.660815024	0.999371363	Not Sig
ENSG00000161920	MED11	mediator complex subunit 11	400569	228.6213508	0.284288105	0.475225862	0.598216822	0.549695268	0.999371363	Not Sig
ENSG00000229417	NA	NA	NA	10.62884924	0.284315157	0.812365799	0.349984154	0.726350589	0.999371363	Not Sig

ENSG00000249222	ATP5L2	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit G2	267020	7.338476561	0.284444653	0.993859414	0.286202101	0.774723335	0.999371363	Not Sig
ENSG00000119698	PPP4R4	protein phosphatase 4 regulatory subunit 4	57718	55.37239726	0.284454424	0.969527962	0.29339476	0.76922043	0.999371363	Not Sig
ENSG00000258978	NA	NA	NA	4.134770303	0.284662178	1.373899665	0.207192843	0.835859256	NA	NA
ENSG00000108296	NA	NA	NA	723.6539041	0.284802164	0.467684313	0.608962405	0.542549358	0.999371363	Not Sig
ENSG00000115165	CYTIP	cytohesin 1 interacting protein	9595	825.268746	0.284807704	0.853140154	0.333834602	0.738504371	0.999371363	Not Sig
ENSG00000100347	SAMM50	SAMM50 sorting and assembly machinery component	25813	615.5451659	0.285029031	0.44116452	0.646083305	0.518225407	0.999371363	Not Sig
ENSG00000103353	UBFD1	ubiquitin family domain containing 1	56061	1451.095261	0.285076077	0.434710068	0.655784392	0.51196286	0.999371363	Not Sig
ENSG00000099139	PCSK5	proprotein convertase subtilisin/kexin type 5	5125	568.1752934	0.285095286	0.653979789	0.435938986	0.662880998	0.999371363	Not Sig
ENSG00000230747	NA	NA	NA	15.03226322	0.285229625	0.856064826	0.333186946	0.738993171	0.999371363	Not Sig
ENSG00000229326	NA	NA	NA	5.555370418	0.285478899	1.094713001	0.260779673	0.794262421	NA	NA
ENSG00000058262	SEC61A1	Sec61 translocon alpha 1 subunit	29927	5416.929252	0.285496975	0.41958645	0.680424676	0.496235601	0.999371363	Not Sig
ENSG00000227191	NA	NA	NA	63.04974423	0.285531853	0.86562449	0.329856487	0.741508403	0.999371363	Not Sig
ENSG00000159714	ZDHHC1	zinc finger DHHC-type containing 1	29800	393.5108057	0.28575139	0.673847021	0.424059737	0.671522248	0.999371363	Not Sig
ENSG00000162641	AKNAD1	AKNA domain containing 1	254268	2.561268815	0.285797569	1.766894756	0.161751325	0.871501685	NA	NA
ENSG00000160058	BSDC1	BSD domain containing 1	55108	2044.671726	0.285938108	0.430372715	0.664396459	0.506436599	0.999371363	Not Sig
ENSG00000154114	TBCEL	tubulin folding cofactor E like	219899	814.9334446	0.286033558	0.474093294	0.603327575	0.546290792	0.999371363	Not Sig
ENSG00000121905	HPCA	hippocalcin	3208	5.999544405	0.28603518	1.218285881	0.234784942	0.814375656	NA	NA
ENSG00000044090	CUL7	cullin 7	9820	1456.528901	0.286287036	0.488783992	0.585712791	0.558068537	0.999371363	Not Sig
ENSG00000268926	NA	NA	NA	6.927940228	0.286300946	1.337178004	0.214108327	0.830462582	0.999371363	Not Sig
ENSG00000253683	NA	NA	NA	2.532086952	0.286313093	1.54562088	0.185241476	0.853039639	NA	NA
ENSG00000100124	ANKRD54	ankyrin repeat domain 54	129138	409.0393315	0.286330549	0.568424171	0.503726906	0.614453298	0.999371363	Not Sig
ENSG00000143256	PFDN2	prefoldin subunit 2	5202	316.6486662	0.286380263	0.466686919	0.613645362	0.539449701	0.999371363	Not Sig
ENSG00000167930	FAM234A	family with sequence similarity 234 member A	83986	590.4649834	0.286395899	0.422293323	0.678191872	0.497650046	0.999371363	Not Sig
ENSG00000174231	PRPF8	pre-mRNA processing factor 8	10594	10291.11069	0.286501549	0.390581198	0.733526217	0.463237544	0.999371363	Not Sig
ENSG00000225568	NA	NA	NA	9.140873625	0.286673969	1.191886343	0.240521229	0.809926207	0.999371363	Not Sig
ENSG00000201592	NA	NA	NA	25.28200568	0.28685317	0.831058423	0.34516607	0.729969525	0.999371363	Not Sig
ENSG00000124334	IL9R	interleukin 9 receptor	3581	13.25749355	0.287333414	0.941145649	0.30530175	0.760136343	0.999371363	Not Sig
ENSG00000130772	MED18	mediator complex subunit 18	54797	212.2015029	0.287422209	0.508232501	0.565532918	0.571711341	0.999371363	Not Sig
ENSG00000272658	NA	NA	NA	32.55293792	0.287427257	0.693228019	0.414621523	0.678418989	0.999371363	Not Sig
ENSG00000116731	PRDM2	PR/SET domain 2	7799	2385.452674	0.28753417	0.380225526	0.75622006	0.449517267	0.999371363	Not Sig
ENSG00000130119	GNL3L	G protein nucleolar 3 like	54552	794.9277049	0.287722152	0.436548698	0.659083748	0.509841991	0.999371363	Not Sig
ENSG00000010404	IDS	iduronate 2-sulfatase	3423	2304.62945	0.287859133	0.594470714	0.484227609	0.628224345	0.999371363	Not Sig
ENSG00000204311	PJVK	pejvakin	494513	33.31621658	0.288000317	0.697658532	0.412809855	0.67974593	0.999371363	Not Sig
ENSG00000089597	GANAB	glucosidase II alpha subunit	23193	6497.335327	0.288427033	0.392913361	0.734072856	0.462904336	0.999371363	Not Sig
ENSG00000175189	INHBC	inhibin beta C subunit	3626	1.047100583	0.288628805	2.544802113	0.113418958	0.90969841	NA	NA

ENSG00000171617	ENC1	ectodermal-neural cortex 1	8507	2890.021505	0.28869559	0.717119846	0.402576489	0.687259809	0.999371363	Not Sig
ENSG00000227598	NA	NA	NA	21.01590064	0.288818305	0.651007743	0.443648033	0.657297073	0.999371363	Not Sig
ENSG00000230580	NA	NA	NA	1.955026968	0.289260878	1.651233436	0.17517867	0.860939244	NA	NA
ENSG00000105778	AVL9	AVL9 cell migration associated	23080	2519.904743	0.289298559	0.610280183	0.474042198	0.635469816	0.999371363	Not Sig
ENSG00000240038	AMY2B	amylase, alpha 2B (pancreatic)	280	227.4496623	0.289301301	0.589798244	0.490508923	0.623773817	0.999371363	Not Sig
ENSG00000185652	NTF3	neurotrophin 3	4908	24.78149996	0.289327739	0.864733005	0.33458621	0.737937249	0.999371363	Not Sig
ENSG00000213943	NA	NA	NA	2.521348344	0.289349047	1.630503804	0.177459903	0.859147158	NA	NA
ENSG00000211776	NA	NA	NA	4.327155052	0.28937033	1.530104734	0.189117989	0.850000343	NA	NA
ENSG00000082438	COBLL1	cordon-bleu WH2 repeat protein like 1	22837	1781.48794	0.289660106	0.43261688	0.669553406	0.503142525	0.999371363	Not Sig
ENSG00000188343	FAM92A	family with sequence similarity 92 member A	137392	185.4719122	0.289759331	0.497779727	0.58210352	0.560496954	0.999371363	Not Sig
ENSG00000272573	MUSTN1	musculoskeletal, embryonic nuclear protein 1	389125	3.06278893	0.289799001	1.570094669	0.184574221	0.853563007	NA	NA
ENSG00000251279	NA	NA	NA	5.255562053	0.289822328	1.151758439	0.251634647	0.801323476	NA	NA
ENSG00000155755	TMEM237	transmembrane protein 237	65062	339.1333616	0.290343362	0.425929521	0.681669966	0.495447663	0.999371363	Not Sig
ENSG00000075884	ARHGAP15	Rho GTPase activating protein 15	55843	428.1374775	0.290419317	0.744554025	0.390058085	0.696493596	0.999371363	Not Sig
ENSG00000225014	NA	NA	NA	7.956581265	0.290649304	1.038614047	0.279843417	0.77959764	0.999371363	Not Sig
ENSG00000172986	GXYLT2	glucoside xylosyltransferase 2	727936	523.3647886	0.29091384	0.472447602	0.615758951	0.538053623	0.999371363	Not Sig
ENSG00000173614	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	64802	184.3032004	0.29103387	0.495229119	0.587675197	0.556750327	0.999371363	Not Sig
ENSG00000117036	ETV3	ETS variant 3	2117	1522.069504	0.291272372	0.461299309	0.631417318	0.527767695	0.999371363	Not Sig
ENSG00000167992	VWCE	von Willebrand factor C and EGF domains	220001	21.09840509	0.291326157	0.832345448	0.350006308	0.726333964	0.999371363	Not Sig
ENSG00000160072	ATAD3B	ATPase family, AAA domain containing 3B	83858	780.7131888	0.291335718	0.520888513	0.559305324	0.575953362	0.999371363	Not Sig
ENSG00000245213	LOC101930370	uncharacterized LOC101930370	101930370	56.88435002	0.291517752	0.5874272	0.496261923	0.619709627	0.999371363	Not Sig
ENSG00000115295	CLIP4	CAP-Gly domain containing linker protein family member 4	79745	1294.240951	0.291595705	0.610853512	0.477357827	0.63310734	0.999371363	Not Sig
ENSG00000147140	NONO	non-POU domain containing octamer binding	4841	4326.204455	0.291666292	0.394662777	0.739026604	0.459890843	0.999371363	Not Sig
ENSG00000222346	NA	NA	NA	11.65232524	0.291686336	0.782157967	0.372925098	0.709204192	0.999371363	Not Sig
ENSG00000197498	RPF2	ribosome production factor 2 homolog	84154	310.5067807	0.291706982	0.47184715	0.618223469	0.536428041	0.999371363	Not Sig
ENSG00000204397	CARD16	caspase recruitment domain family member 16	114769	187.0619865	0.291999592	0.943069647	0.309626753	0.75684481	0.999371363	Not Sig
ENSG00000167034	NKX3-1	NK3 homeobox 1	4824	59.59066056	0.292364918	0.565272053	0.51721099	0.605008881	0.999371363	Not Sig
ENSG00000273007	NA	NA	NA	6.612905557	0.292697676	1.187392689	0.246504529	0.805291699	0.999371363	Not Sig
ENSG00000151876	FBX04	F-box protein 4	26272	177.0696831	0.292767106	0.464096481	0.630832419	0.528150104	0.999371363	Not Sig
ENSG00000085117	CD82	CD82 molecule	3732	1779.176196	0.292925923	0.771565555	0.379651375	0.70420422	0.999371363	Not Sig
ENSG00000147123	NDUFB11	NADH:ubiquinone oxidoreductase subunit B11	54539	932.5373792	0.292990668	0.48875199	0.599466956	0.548861539	0.999371363	Not Sig
ENSG00000137814	HAUS2	HAUS augmin like complex subunit 2	55142	384.3410974	0.29318557	0.403011162	0.727487468	0.46692739	0.999371363	Not Sig
ENSG00000186479	RGS7BP	regulator of G protein signaling 7 binding protein	401190	101.025992	0.293503717	0.878107614	0.334245727	0.738194141	0.999371363	Not Sig
ENSG00000099977	DDT	D-dopachrome tautomerase	1652	357.3824728	0.293836432	0.576254053	0.509907792	0.610116063	0.999371363	Not Sig
ENSG00000099977	DDTL	D-dopachrome tautomerase like	100037417	357.3824728	0.293836432	0.576254053	0.509907792	0.610116063	0.999371363	Not Sig

ENSG00000226179	NA	NA	NA	13.12382305	0.293919152	0.847559811	0.346782786	0.72875451	0.999371363	Not Sig
ENSG00000272779	NA	NA	NA	37.35560143	0.293923366	0.845456355	0.34765055	0.728102638	0.999371363	Not Sig
ENSG00000128692	NA	NA	NA	5.893283416	0.294018558	1.143531616	0.257114498	0.797090386	NA	NA
ENSG00000138757	G3BP2	G3BP stress granule assembly factor 2	9908	3384.366143	0.294019831	0.416229178	0.706389284	0.479946083	0.999371363	Not Sig
ENSG00000204959	NA	NA	NA	557.2672117	0.294032984	0.545913745	0.538607036	0.590158032	0.999371363	Not Sig
ENSG00000128829	EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4	440275	1822.370887	0.294067446	0.394279682	0.745834642	0.45576731	0.999371363	Not Sig
ENSG00000157538	DSCR3	DSCR3 arrestin fold containing	10311	1164.254682	0.294119712	0.440087607	0.668320824	0.503928823	0.999371363	Not Sig
ENSG00000197702	PARVA	parvin alpha	55742	1980.294095	0.294208363	0.488516791	0.602248211	0.547008928	0.999371363	Not Sig
ENSG00000266921	LOC101928063	uncharacterized LOC101928063	101928063	6.328988977	0.294408431	1.027525225	0.286521853	0.774478459	NA	NA
ENSG00000172428	COPS9	COP9 signalosome subunit 9	150678	310.6765768	0.294460646	0.499823146	0.589129671	0.555774291	0.999371363	Not Sig
ENSG00000145362	ANK2	ankyrin 2	287	681.6669626	0.294704521	0.715051935	0.412144219	0.68023372	0.999371363	Not Sig
ENSG00000251364	LOC100506258	uncharacterized LOC100506258	100506258	100.9586962	0.294754692	0.68189661	0.43225716	0.66555452	0.999371363	Not Sig
ENSG00000167797	CDK2AP2	cyclin dependent kinase 2 associated protein 2	10263	1093.936306	0.294774136	0.520856167	0.56594153	0.571433528	0.999371363	Not Sig
ENSG00000158793	NIT1	nitrilase 1	4817	635.1532256	0.294797635	0.48707764	0.605237464	0.545021227	0.999371363	Not Sig
ENSG00000080824	HSP90AA1	heat shock protein 90 alpha family class A member 1	3320	16717.10894	0.294979314	0.397575514	0.741945376	0.458120432	0.999371363	Not Sig
ENSG00000126767	ELK1	ELK1, ETS transcription factor	2002	537.6196783	0.295030378	0.438533344	0.672766125	0.501096092	0.999371363	Not Sig
ENSG00000135387	CAPRIN1	cell cycle associated protein 1	4076	6190.16165	0.295328858	0.447118301	0.660516148	0.508922659	0.999371363	Not Sig
ENSG00000223776	LGALS8-AS1	LGALS8 antisense RNA 1	100287902	10.35773649	0.295737635	1.067475085	0.277044063	0.781746272	0.999371363	Not Sig
ENSG00000161326	NA	NA	NA	155.6599515	0.295751541	0.512612475	0.576949558	0.563973531	0.999371363	Not Sig
ENSG00000086827	ZW10	zw10 kinetochore protein	9183	357.0875084	0.295914602	0.442423597	0.668849049	0.503591774	0.999371363	Not Sig
ENSG00000198947	DMD	dystrophin	1756	1038.244693	0.296151308	0.483410353	0.61262922	0.540121533	0.999371363	Not Sig
ENSG00000117791	2-Mar	mitochondrial amidoxime reducing component 2	54996	641.6453708	0.296489951	0.472758696	0.627148592	0.530561837	0.999371363	Not Sig
ENSG00000143418	CERS2	ceramide synthase 2	29956	4075.281972	0.296640354	0.386846558	0.76681658	0.443190577	0.999371363	Not Sig
ENSG00000131795	NA	NA	NA	1878.369744	0.296685027	0.402070722	0.737892642	0.46057969	0.999371363	Not Sig
ENSG00000085377	PREP	prolyl endopeptidase	5550	764.729966	0.296691052	0.412677985	0.718940827	0.47217738	0.999371363	Not Sig
ENSG00000141577	CEP131	centrosomal protein 131	22994	538.9319474	0.296837617	0.566419824	0.524059372	0.600237246	0.999371363	Not Sig
ENSG00000214946	TBC1D26	TBC1 domain family member 26	353149	1.613421959	0.296867727	1.970809546	0.150632377	0.88026572	NA	NA
ENSG00000172548	NIPAL4	NIPA like domain containing 4	348938	3.929217208	0.296907096	1.588879841	0.18686567	0.851765956	NA	NA
ENSG00000214706	IFRD2	interferon related developmental regulator 2	7866	795.6857363	0.296931311	0.528675459	0.561651399	0.574353554	0.999371363	Not Sig
ENSG00000165434	PGM2L1	phosphoglucomutase 2 like 1	283209	964.0385568	0.297003068	0.718490528	0.413370888	0.6793349	0.999371363	Not Sig
ENSG00000178188	SH2B1	SH2B adaptor protein 1	25970	1400.879859	0.297024162	0.488844389	0.607604728	0.543449664	0.999371363	Not Sig
ENSG00000158270	COLEC12	collectin subfamily member 12	81035	1763.187564	0.297061502	0.940122028	0.315981854	0.752016281	0.999371363	Not Sig
ENSG00000162607	USP1	ubiquitin specific peptidase 1	7398	1141.013868	0.297204351	0.530024101	0.560737427	0.574976549	0.999371363	Not Sig
ENSG00000139531	SUOX	sulfite oxidase	6821	554.4296121	0.297335538	0.420705549	0.706754496	0.479719057	0.999371363	Not Sig
ENSG00000240137	ERICH6-AS1	ERICH6 antisense RNA 1	101928085	26.78413738	0.297506665	0.672184041	0.442597037	0.658057228	0.999371363	Not Sig

ENSG00000207930	MIR603	microRNA 603	693188	7.661327791	0.297686843	1.359632753	0.218946508	0.826691717	0.999371363	Not Sig
ENSG00000167191	GPRC5B	G protein-coupled receptor class C group 5 member B	51704	348.1625731	0.297717274	0.540831061	0.550481092	0.581989442	0.999371363	Not Sig
ENSG00000099968	BCL2L13	BCL2 like 13	23786	1374.566923	0.297770266	0.536798246	0.554715422	0.579089326	0.999371363	Not Sig
ENSG00000085382	HACE1	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1	57531	536.3076435	0.297866667	0.601019206	0.495602577	0.620174835	0.999371363	Not Sig
ENSG00000150779	TIMM8B	translocase of inner mitochondrial membrane 8 homolog B	26521	294.5686726	0.297945097	0.505418997	0.589501184	0.555525118	0.999371363	Not Sig
ENSG00000068654	POLR1A	RNA polymerase I subunit A	25885	1815.077407	0.298038235	0.447142805	0.666539261	0.505066478	0.999371363	Not Sig
ENSG00000174010	KLHL15	kelch like family member 15	80311	394.3901548	0.298107661	0.478250818	0.62332912	0.533068266	0.999371363	Not Sig
ENSG00000152207	CYSLTR2	cysteinyl leukotriene receptor 2	57105	45.12214618	0.298172384	0.793011501	0.376000076	0.70691684	0.999371363	Not Sig
ENSG00000234788	NA	NA	NA	8.137108952	0.298196809	1.042799907	0.28595784	0.774910412	0.999371363	Not Sig
ENSG00000174100	NA	NA	NA	435.51999	0.298516272	0.434207469	0.68749686	0.491769679	0.999371363	Not Sig
ENSG00000108788	MLX	MLX, MAX dimerization protein	6945	998.7645144	0.298859143	0.413234529	0.723219194	0.469545228	0.999371363	Not Sig
ENSG00000116514	RNF19B	ring finger protein 19B	127544	1402.108376	0.299021325	0.407744499	0.733354653	0.463342149	0.999371363	Not Sig
ENSG00000243749	TMEM35B	transmembrane protein 35B	100506144	2.931596916	0.299026429	1.644029724	0.181886267	0.855671982	NA	NA
ENSG00000165457	FOLR2	folate receptor beta	2350	339.0857705	0.299350034	0.983473621	0.304380338	0.760838145	0.999371363	Not Sig
ENSG00000117305	HMGCL	3-hydroxymethyl-3-methylglutaryl-CoA lyase	3155	754.0129014	0.299362033	0.421672931	0.709938938	0.477742003	0.999371363	Not Sig
ENSG00000152601	MBNL1	muscleblind like splicing regulator 1	4154	6512.82187	0.299436977	0.50534358	0.59254137	0.553488126	0.999371363	Not Sig
ENSG00000124678	TCP11	t-complex 11	6954	6.356427709	0.299549256	1.090947194	0.274577228	0.783641064	NA	NA
ENSG00000085433	WDR47	WD repeat domain 47	22911	471.8482647	0.299958033	0.473347791	0.633694799	0.52628002	0.999371363	Not Sig
ENSG00000168159	RNF187	ring finger protein 187	149603	1834.457873	0.300041974	0.588328995	0.509990119	0.610058384	0.999371363	Not Sig
ENSG00000158710	TAGLN2	transgelin 2	8407	10963.01279	0.300388103	0.505551452	0.594179092	0.552392335	0.999371363	Not Sig
ENSG00000155158	TTC39B	tetratricopeptide repeat domain 39B	158219	916.1914917	0.300731815	0.469957646	0.639912592	0.522229427	0.999371363	Not Sig
ENSG00000211721	NA	NA	NA	8.874675444	0.301101012	1.203411145	0.250206269	0.802427838	0.999371363	Not Sig
ENSG00000257718	NA	NA	NA	4.453326932	0.301155563	1.218534006	0.247145801	0.804795389	NA	NA
ENSG00000163902	RPN1	ribophorin I	6184	5566.555153	0.301557122	0.440509707	0.68456408	0.49361904	0.999371363	Not Sig
ENSG00000119718	EIF2B2	eukaryotic translation initiation factor 2B subunit beta	8892	392.032253	0.301565151	0.452710145	0.666132965	0.505326116	0.999371363	Not Sig
ENSG00000198995	MIR340	microRNA 340	442908	5.845918589	0.302025154	1.220835786	0.247392121	0.804604771	NA	NA
ENSG00000057252	SOAT1	sterol O-acyltransferase 1	6646	2292.031588	0.302048213	0.529250558	0.570709296	0.568196717	0.999371363	Not Sig
ENSG00000267077	NA	NA	NA	5.041125525	0.302186452	1.205167298	0.250742326	0.802013334	NA	NA
ENSG00000268970	NA	NA	NA	1.446350258	0.302352234	1.992372599	0.151754865	0.879380282	NA	NA
ENSG00000177692	DNAJC28	DnaJ heat shock protein family (Hsp40) member C28	54943	35.94091023	0.302361772	0.607140484	0.498009571	0.618477296	0.999371363	Not Sig
ENSG00000064651	SLC12A2	solute carrier family 12 member 2	6558	2264.991119	0.302385448	0.568242565	0.532141495	0.594628	0.999371363	Not Sig
ENSG00000244378	NA	NA	NA	13.77515512	0.303266209	0.823406975	0.368306583	0.712644645	0.999371363	Not Sig
ENSG00000184786	TCTE3	t-complex-associated-testis-expressed 3	6991	7.662435758	0.303345497	0.998884728	0.303684187	0.761368506	0.999371363	Not Sig
ENSG00000241157	NA	NA	NA	20.92889787	0.303396871	0.772056276	0.392972482	0.694339806	0.999371363	Not Sig
ENSG00000124422	USP22	ubiquitin specific peptidase 22	23326	6183.406087	0.303550483	0.425945026	0.712651785	0.476061259	0.999371363	Not Sig

ENSG00000117215	PLA2G2D	phospholipase A2 group IID	26279	70.20994108	0.303803492	0.864178079	0.351551954	0.725174303	0.999371363	Not Sig
ENSG00000104979	C19orf53	chromosome 19 open reading frame 53	28974	296.644062	0.303805522	0.429090774	0.708021567	0.478931865	0.999371363	Not Sig
ENSG00000177885	GRB2	growth factor receptor bound protein 2	2885	2067.905925	0.303998046	0.538838144	0.56417321	0.572636258	0.999371363	Not Sig
ENSG00000242324	NA	NA	NA	4.845895073	0.304082532	1.532978974	0.198360537	0.842762991	NA	NA
ENSG00000224892	NA	NA	NA	21.42582916	0.304164341	0.707796171	0.429734369	0.667388879	0.999371363	Not Sig
ENSG00000234187	NA	NA	NA	3.590474194	0.304181639	1.29753443	0.234430495	0.814650787	NA	NA
ENSG00000156873	PHKG2	phosphorylase kinase catalytic subunit gamma 2	5261	417.2087498	0.30444018	0.482687288	0.630719282	0.528224089	0.999371363	Not Sig
ENSG00000099899	TRMT2A	tRNA methyltransferase 2 homolog A	27037	783.8307597	0.304496675	0.563103991	0.540746789	0.588682124	0.999371363	Not Sig
ENSG00000164951	PDP1	pyruvate dehydrogenase phosphatase catalytic subunit 1	54704	1091.94311	0.304533959	0.491887876	0.619112553	0.535842214	0.999371363	Not Sig
ENSG00000162775	RBM15	RNA binding motif protein 15	64783	1063.362178	0.304667747	0.478344032	0.63692181	0.524175776	0.999371363	Not Sig
ENSG00000122678	POLM	DNA polymerase mu	27434	711.6529544	0.304730973	0.455126983	0.669551541	0.503143714	0.999371363	Not Sig
ENSG00000140280	LYSMD2	LysM domain containing 2	256586	243.830608	0.304939397	0.745385838	0.409102751	0.682464258	0.999371363	Not Sig
ENSG00000218632	NA	NA	NA	1.271556661	0.305291003	2.476046447	0.123297769	0.901871307	NA	NA
ENSG00000242692	NA	NA	NA	1.271556661	0.305291003	2.476046447	0.123297769	0.901871307	NA	NA
ENSG00000249428	NA	NA	NA	17.75314957	0.305348637	1.417108675	0.215472986	0.829398572	0.999371363	Not Sig
ENSG00000186409	CCDC30	coiled-coil domain containing 30	728621	269.4542552	0.305439689	0.474472573	0.643745723	0.519740335	0.999371363	Not Sig
ENSG00000071553	ATP6AP1	ATPase H ⁺ transporting accessory protein 1	537	2587.365546	0.305878223	0.52203386	0.585935601	0.557918792	0.999371363	Not Sig
ENSG00000137942	FNBP1L	formin binding protein 1 like	54874	2997.587526	0.305882036	0.719074836	0.425382756	0.670557674	0.999371363	Not Sig
ENSG00000236287	ZBED5	zinc finger BED-type containing 5	58486	1098.691979	0.306151931	0.44304461	0.691018296	0.489554044	0.999371363	Not Sig
ENSG00000215771	NA	NA	NA	6.254424032	0.306296714	1.775125001	0.172549378	0.863005646	NA	NA
ENSG00000153790	C7orf31	chromosome 7 open reading frame 31	136895	138.5053988	0.306358335	0.531416978	0.576493314	0.564281788	0.999371363	Not Sig
ENSG00000242285	NA	NA	NA	2.514191748	0.306456785	1.77891756	0.172271493	0.863224094	NA	NA
ENSG00000218073	NA	NA	NA	4.621267986	0.306862067	1.219920305	0.251542716	0.801394541	NA	NA
ENSG00000262049	NA	NA	NA	97.04578687	0.30711578	0.721153312	0.425867531	0.670204376	0.999371363	Not Sig
ENSG00000160688	FLAD1	flavin adenine dinucleotide synthetase 1	80308	527.3965458	0.307270208	0.585735893	0.52458832	0.599869408	0.999371363	Not Sig
ENSG00000100294	MCAT	malonyl-CoA-acyl carrier protein transacylase	27349	243.8754729	0.307324688	0.550156599	0.558613109	0.576425792	0.999371363	Not Sig
ENSG00000109272	PF4V1	platelet factor 4 variant 1	5197	1.826287325	0.307498717	2.160507046	0.142327107	0.886821636	NA	NA
ENSG00000263399	MIR3170	microRNA 3170	100422881	3.194385053	0.307774226	1.317864273	0.233540155	0.815341993	NA	NA
ENSG00000261766	NA	NA	NA	13.09533845	0.307880428	0.85598683	0.359678931	0.71908725	0.999371363	Not Sig
ENSG00000136026	CKAP4	cytoskeleton associated protein 4	10970	2352.251007	0.307917031	0.436198083	0.705911014	0.480243478	0.999371363	Not Sig
ENSG00000135317	SNX14	sorting nexin 14	57231	1735.240116	0.308316759	0.487572734	0.632350288	0.52715801	0.999371363	Not Sig
ENSG00000211810	NA	NA	NA	5.263853675	0.308538411	2.184177678	0.141260674	0.887664016	NA	NA
ENSG00000109919	MTCH2	mitochondrial carrier 2	23788	786.555179	0.308566705	0.49054023	0.629034453	0.529326501	0.999371363	Not Sig
ENSG00000105281	SLC1A5	solute carrier family 1 member 5	6510	2120.455496	0.308809503	0.549107176	0.562384753	0.573853905	0.999371363	Not Sig
ENSG00000152818	UTRN	utrophin	7402	14735.2043	0.308832699	0.512581947	0.60250405	0.546838668	0.999371363	Not Sig

ENSG00000273000	NA	NA	NA	4.30858455	0.308873636	1.175109158	0.262846761	0.792668692	NA	NA
ENSG00000164889	SLC4A2	solute carrier family 4 member 2	6522	3022.005433	0.309034469	0.702687955	0.439789051	0.660089898	0.999371363	Not Sig
ENSG00000251862	MIR1343	microRNA 1343	100616437	7.154927058	0.309293872	0.953863892	0.324253674	0.745745989	0.999371363	Not Sig
ENSG00000205020	NA	NA	NA	11.25422717	0.309668746	1.333988612	0.232137473	0.81643124	0.999371363	Not Sig
ENSG00000101974	ATP11C	ATPase phospholipid transporting 11C	286410	801.5249675	0.309687365	0.509006596	0.608415229	0.542912113	0.999371363	Not Sig
ENSG00000142867	BCL10	B-cell CLL/lymphoma 10	8915	629.1348255	0.309945694	0.572166007	0.541705887	0.588021134	0.999371363	Not Sig
ENSG00000225766	NA	NA	NA	8.299853069	0.310058541	0.914940738	0.338883742	0.734697312	0.999371363	Not Sig
ENSG00000171402	XAGE3	X antigen family member 3	170626	2.68228752	0.310074723	1.72207954	0.180058305	0.857106795	NA	NA
ENSG00000100554	ATP6V1D	ATPase H+ transporting VI subunit D	51382	893.2632138	0.31038167	0.436743815	0.710672161	0.477287415	0.999371363	Not Sig
ENSG00000106683	LIMK1	LIM domain kinase 1	3984	1246.001327	0.310592488	0.554259996	0.560373273	0.575224858	0.999371363	Not Sig
ENSG00000080561	MID2	midline 2	11043	316.924666	0.310662753	0.517586808	0.600213815	0.548363748	0.999371363	Not Sig
ENSG00000014257	ACPP	acid phosphatase, prostate	55	216.6200935	0.310728097	0.610097273	0.509309107	0.610535576	0.999371363	Not Sig
ENSG00000211850	NA	NA	NA	10.13773649	0.310773875	1.104687002	0.281323012	0.778462661	0.999371363	Not Sig
ENSG00000173113	TRMT112	tRNA methyltransferase subunit 11-2	51504	913.8547347	0.31093304	0.549450713	0.565897964	0.571463146	0.999371363	Not Sig
ENSG00000183291	SELENOF	selenoprotein F	9403	1914.503736	0.311026239	0.457728607	0.679499238	0.49682159	0.999371363	Not Sig
ENSG00000120656	TAF12	TATA-box binding protein associated factor 12	6883	310.2641958	0.311627376	0.434193649	0.717715187	0.472932917	0.999371363	Not Sig
ENSG00000162086	ZNF75A	zinc finger protein 75a	7627	349.3518886	0.311650471	0.462578722	0.673724181	0.500486686	0.999371363	Not Sig
ENSG00000126814	TRMT5	tRNA methyltransferase 5	57570	324.948481	0.311820267	0.440703881	0.707550536	0.47922442	0.999371363	Not Sig
ENSG00000234946	NA	NA	NA	7.996651352	0.311967299	1.156153878	0.269831988	0.787289513	0.999371363	Not Sig
ENSG00000132773	TOE1	target of EGR1, exonuclease	114034	184.4248839	0.312127336	0.47655846	0.654961274	0.512492688	0.999371363	Not Sig
ENSG00000136197	C7orf25	chromosome 7 open reading frame 25	79020	26.41307961	0.312159994	0.604024674	0.516800071	0.605295731	0.999371363	Not Sig
ENSG00000213386	NA	NA	NA	5.11864714	0.312437946	1.306632177	0.239116985	0.811014872	NA	NA
ENSG00000240065	PSMB9	proteasome subunit beta 9	5698	743.9139415	0.312457533	0.923130822	0.338475897	0.735004588	0.999371363	Not Sig
ENSG00000206824	NA	NA	NA	4.91967552	0.312747716	1.140365452	0.274252184	0.783890828	NA	NA
ENSG00000260565	NA	NA	NA	753.4835096	0.31285779	0.439519837	0.711817223	0.476577966	0.999371363	Not Sig
ENSG00000135205	CCDC146	coiled-coil domain containing 146	57639	275.8647063	0.312965394	0.480837599	0.650875461	0.515126883	0.999371363	Not Sig
ENSG00000173163	COMMD1	copper metabolism domain containing 1	150684	233.4734592	0.312973146	0.448603948	0.697660257	0.485389689	0.999371363	Not Sig
ENSG00000228071	NA	NA	NA	1.188150955	0.313060546	1.994876643	0.156932283	0.875298217	NA	NA
ENSG00000142082	SIRT3	sirtuin 3	23410	466.6811231	0.313063809	0.471335773	0.664205491	0.506558799	0.999371363	Not Sig
ENSG00000185298	CCDC137	coiled-coil domain containing 137	339230	465.4935415	0.313437291	0.58382391	0.536869569	0.591357712	0.999371363	Not Sig
ENSG00000103005	USB1	U6 snRNA biogenesis phosphodiesterase 1	79650	807.1295548	0.313752456	0.547689977	0.572865068	0.566736058	0.999371363	Not Sig
ENSG00000236519	NA	NA	NA	3.574167402	0.31395899	1.344543274	0.233506051	0.815368472	NA	NA
ENSG00000185880	TRIM69	tripartite motif containing 69	140691	655.8269224	0.314049967	0.722491295	0.434676472	0.663797279	0.999371363	Not Sig
ENSG00000138942	RNF185	ring finger protein 185	91445	912.7223558	0.314107768	0.48634727	0.645850788	0.518375993	0.999371363	Not Sig
ENSG00000124593	NA	NA	NA	703.777597	0.314173418	0.508736608	0.617556143	0.536867962	0.999371363	Not Sig

ENSG00000271022	NA	NA	NA	2.286458668	0.314225745	1.566800731	0.200552463	0.841048532	NA	NA
ENSG00000218890	NA	NA	NA	0.795338816	0.31429146	2.790402212	0.112633031	0.910321496	NA	NA
ENSG00000178502	KLHL11	kelch like family member 11	55175	371.1628729	0.31430216	0.44959561	0.699077467	0.484503619	0.999371363	Not Sig
ENSG00000081177	EXD2	exonuclease 3'-5' domain containing 2	55218	664.2853865	0.314386348	0.531593722	0.591403426	0.554250145	0.999371363	Not Sig
ENSG00000250001	NA	NA	NA	6.846389978	0.314687542	1.052943103	0.298864717	0.765043269	0.999371363	Not Sig
ENSG00000155099	PIP4P2	phosphatidylinositol-4,5-bisphosphate 4-phosphatase 2	55529	100.9094847	0.314793955	0.577261114	0.545323334	0.585531159	0.999371363	Not Sig
ENSG00000272843	NA	NA	NA	1.059975654	0.314816676	2.540255561	0.123931104	0.901369825	NA	NA
ENSG00000166170	BAG5	BCL2 associated athanogene 5	9529	1184.400038	0.314888101	0.37754233	0.83404714	0.404254421	0.999371363	Not Sig
ENSG00000105875	WDR91	WD repeat domain 91	29062	1023.368816	0.315013018	0.647400839	0.486581108	0.626555214	0.999371363	Not Sig
ENSG00000120051	CFAP58	cilia and flagella associated protein 58	159686	44.86159522	0.315074695	0.823006325	0.382833868	0.701842948	0.999371363	Not Sig
ENSG00000222939	NA	NA	NA	1.848616645	0.315230351	2.213052874	0.1424414	0.886731363	NA	NA
ENSG00000188959	C9orf152	chromosome 9 open reading frame 152	401546	461.1986296	0.315391324	0.764346796	0.412628568	0.679878767	0.999371363	Not Sig
ENSG00000105669	COPE	coatomer protein complex subunit epsilon	11316	892.8091473	0.315612745	0.540034011	0.584431237	0.558930216	0.999371363	Not Sig
ENSG00000197859	ADAMTSL2	ADAMTS like 2	9719	484.4340941	0.315624957	0.738526862	0.427370992	0.669109133	0.999371363	Not Sig
ENSG00000175220	ARHGAP1	Rho GTPase activating protein 1	392	2538.292942	0.315879005	0.435995925	0.724499903	0.468758887	0.999371363	Not Sig
ENSG00000241945	PWP2	PWP2, small subunit processome component	5822	677.4111767	0.315932562	0.538214578	0.587001123	0.557202953	0.999371363	Not Sig
ENSG00000241945	LOC102724159	periodic tryptophan protein 2 homolog	102724159	677.4111767	0.315932562	0.538214578	0.587001123	0.557202953	0.999371363	Not Sig
ENSG00000213261	NA	NA	NA	1.929265928	0.315951982	1.68534798	0.187469879	0.851292238	NA	NA
ENSG00000176473	WDR25	WD repeat domain 25	79446	261.9949358	0.315963981	0.464636563	0.680023928	0.49648931	0.999371363	Not Sig
ENSG00000146005	PSD2	pleckstrin and Sec7 domain containing 2	84249	8.797835891	0.316027836	0.928529059	0.340353199	0.733590559	0.999371363	Not Sig
ENSG00000132603	NIP7	NIP7, nucleolar pre-rRNA processing protein	51388	401.1771081	0.316031318	0.520802715	0.606815804	0.543973159	0.999371363	Not Sig
ENSG00000253729	PRKDC	protein kinase, DNA-activated, catalytic polypeptide	5591	8589.046004	0.316265843	0.558371007	0.566408067	0.571116412	0.999371363	Not Sig
ENSG00000099984	GSTT2	glutathione S-transferase theta 2 (gene/pseudogene)	2953	58.84094445	0.316278582	0.918428547	0.344369285	0.730568585	0.999371363	Not Sig
ENSG00000251934	NA	NA	NA	6.064170231	0.3166705	1.453079631	0.217930589	0.827483193	NA	NA
ENSG00000124217	MOC53	molybdenum cofactor synthesis 3	27304	144.2506341	0.316897846	0.488374739	0.648882551	0.516414294	0.999371363	Not Sig
ENSG00000256053	APOPT1	apoptogenic 1, mitochondrial	84334	242.9310502	0.317235067	0.447041829	0.709631732	0.477932537	0.999371363	Not Sig
ENSG00000162739	SLAMF6	SLAM family member 6	114836	144.5698369	0.317292001	0.759391175	0.417824188	0.676075665	0.999371363	Not Sig
ENSG00000146066	HIG1	HIG1 hypoxia inducible domain family member 2A	192286	782.303273	0.317370145	0.487823311	0.650584213	0.515314924	0.999371363	Not Sig
ENSG00000248840	NA	NA	NA	6.836204814	0.317392015	1.21577286	0.261061935	0.794044746	0.999371363	Not Sig
ENSG00000114529	C3orf52	chromosome 3 open reading frame 52	79669	536.0520184	0.317505381	0.638533948	0.497241191	0.619018977	0.999371363	Not Sig
ENSG00000177455	CD19	CD19 molecule	930	40.38169708	0.317567016	1.17369115	0.270571195	0.786720853	0.999371363	Not Sig
ENSG00000108294	NA	NA	NA	994.8741515	0.317599597	0.445517865	0.712877355	0.475921653	0.999371363	Not Sig
ENSG00000126602	TRAP1	TNF receptor associated protein 1	10131	1326.704528	0.317705329	0.474710823	0.669260767	0.503329149	0.999371363	Not Sig
ENSG00000231359	NA	NA	NA	5.837045256	0.317760117	1.301954369	0.244063943	0.807181297	NA	NA
ENSG00000132386	SERPINF1	serpin family F member 1	5176	1197.513137	0.31787573	0.417104479	0.762100975	0.445999741	0.999371363	Not Sig

ENSG00000146070	PLA2G7	phospholipase A2 group VII	7941	350.7454708	0.318052453	0.741300906	0.429046357	0.667889489	0.999371363	Not Sig
ENSG00000175166	PSMD2	proteasome 26S subunit, non-ATPase 2	5708	2801.24019	0.318428892	0.462624133	0.688310162	0.491257484	0.999371363	Not Sig
ENSG00000109917	ZPR1	ZPR1 zinc finger	8882	619.1911268	0.318697273	0.522324482	0.610151895	0.541761192	0.999371363	Not Sig
ENSG00000183431	SF3A3	splicing factor 3a subunit 3	10946	1442.595226	0.318737627	0.422812952	0.753850197	0.450939179	0.999371363	Not Sig
ENSG00000154222	CC2D1B	coiled-coil and C2 domain containing 1B	200014	1642.083182	0.318896638	0.518001173	0.615629182	0.538139287	0.999371363	Not Sig
ENSG00000169446	MMGT1	membrane magnesium transporter 1	93380	823.1479627	0.319026103	0.501821282	0.635736495	0.524948185	0.999371363	Not Sig
ENSG00000168872	DDX19A	DEAD-box helicase 19A	55308	739.5744179	0.31912721	0.423940597	0.752763978	0.451591757	0.999371363	Not Sig
ENSG00000216809	NA	NA	NA	26.15694111	0.319204424	0.653725547	0.48828507	0.625347935	0.999371363	Not Sig
ENSG00000093134	VNN3	vanin 3	55350	98.69633423	0.319445086	0.561765059	0.568645346	0.569596845	0.999371363	Not Sig
ENSG00000149089	APIP	APAF1 interacting protein	51074	353.0404117	0.319502894	0.520323361	0.614046798	0.539184403	0.999371363	Not Sig
ENSG00000158473	CD1D	CD1d molecule	912	75.86245713	0.319533058	0.784452472	0.407332591	0.683763729	0.999371363	Not Sig
ENSG00000235706	DICER1-AS1	DICER1 antisense RNA 1	400242	104.0721102	0.319548414	0.525795586	0.607742671	0.543358157	0.999371363	Not Sig
ENSG00000140092	FBLN5	fibulin 5	10516	1439.580682	0.319691206	0.833470178	0.383566461	0.701299802	0.999371363	Not Sig
ENSG00000066135	KDM4A	lysine demethylase 4A	9682	1660.964209	0.319697366	0.501139061	0.637941423	0.523511812	0.999371363	Not Sig
ENSG00000163606	CD200R1	CD200 receptor 1	131450	68.2657617	0.319746937	0.851184825	0.375649245	0.707177675	0.999371363	Not Sig
ENSG00000092201	SUPT16H	SPT16 homolog, facilitates chromatin remodeling subunit	11198	2651.595829	0.319812485	0.425673464	0.751309424	0.452466459	0.999371363	Not Sig
ENSG00000149179	C11orf49	chromosome 11 open reading frame 49	79096	631.420437	0.319951867	0.388547257	0.823456765	0.410248294	0.999371363	Not Sig
ENSG00000211450	SELENOH	selenoprotein H	280636	766.9812327	0.320050111	0.543784589	0.588560466	0.556156161	0.999371363	Not Sig
ENSG00000154518	ATP5G3	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit C3 (subunit 3)	518	832.4383076	0.320304943	0.488756177	0.655347099	0.512244303	0.999371363	Not Sig
ENSG00000197894	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	128	2108.811718	0.320345957	0.461037253	0.694837467	0.487157165	0.999371363	Not Sig
ENSG00000230797	YY2	YY2 transcription factor	404281	33.4673303	0.32034695	0.823585632	0.388966172	0.697301171	0.999371363	Not Sig
ENSG00000139405	RITA1	RBPJ interacting and tubulin associated 1	84934	317.9596552	0.320414003	0.4497915	0.712361179	0.476241149	0.999371363	Not Sig
ENSG00000068697	LAPTM4A	lysosomal protein transmembrane 4 alpha	9741	3435.791664	0.320494147	0.416924177	0.768710872	0.442064969	0.999371363	Not Sig
ENSG00000164953	TMEM67	transmembrane protein 67	91147	347.465751	0.320527388	0.510334994	0.628072524	0.529956431	0.999371363	Not Sig
ENSG00000261360	NA	NA	NA	17.39358408	0.320634451	0.78741867	0.407196912	0.683863369	0.999371363	Not Sig
ENSG00000225704	NA	NA	NA	4.824418814	0.320714493	1.35779901	0.236201744	0.813276127	NA	NA
ENSG00000223658	C1GALT1C1L	C1GALT1-specific chaperone 1 like	728819	2.731042279	0.320775404	1.462803214	0.219288145	0.826425596	NA	NA
ENSG00000162460	TMEM82	transmembrane protein 82	388595	0.929951652	0.320780534	3.124422516	0.102668744	0.918225881	NA	NA
ENSG00000186442	KRT3	keratin 3	3850	0.929951652	0.320780534	3.124422516	0.102668744	0.918225881	NA	NA
ENSG00000223593	NA	NA	NA	0.929951652	0.320780534	3.124422516	0.102668744	0.918225881	NA	NA
ENSG00000234645	NA	NA	NA	4.797373413	0.320784267	1.221338523	0.262649758	0.792820545	NA	NA
ENSG00000207227	NA	NA	NA	2.573424826	0.320834756	1.581105154	0.202918038	0.839199095	NA	NA
ENSG00000215902	NA	NA	NA	5.062270542	0.321069455	1.116075153	0.287677271	0.77359379	NA	NA
ENSG00000175376	EIF1AD	eukaryotic translation initiation factor 1A domain containing	84285	474.0749758	0.32127989	0.428945785	0.748998829	0.453857911	0.999371363	Not Sig
ENSG00000168002	POLR2G	RNA polymerase II subunit G	5436	392.0317541	0.3213238	0.428650412	0.749617383	0.453485178	0.999371363	Not Sig

ENSG00000239070	NA	NA	NA	4.585792407	0.321494662	1.156769511	0.277924564	0.781070267	NA	NA
ENSG00000125868	DSTN	destrin, actin depolymerizing factor	11034	4584.352588	0.321521141	0.462576142	0.695066416	0.487013681	0.999371363	Not Sig
ENSG00000147124	ZNF41	zinc finger protein 41	7592	480.5415974	0.321606291	0.460860794	0.697838253	0.485278354	0.999371363	Not Sig
ENSG00000050438	SLC4A8	solute carrier family 4 member 8	9498	214.4000779	0.321640922	0.774783081	0.41513674	0.678041805	0.999371363	Not Sig
ENSG00000118705	RPN2	ribophorin II	6185	5094.052347	0.322017359	0.449207491	0.716856608	0.473462578	0.999371363	Not Sig
ENSG00000113013	HSPA9	heat shock protein family A (Hsp70) member 9	3313	3900.368231	0.32210997	0.573325308	0.561827579	0.5742335	0.999371363	Not Sig
ENSG00000038532	CLEC16A	C-type lectin domain containing 16A	23274	1754.619243	0.322291054	0.470696205	0.684711393	0.493526058	0.999371363	Not Sig
ENSG00000110048	OSBP	oxysterol binding protein	5007	2267.474574	0.322493092	0.432573994	0.745521219	0.455956688	0.999371363	Not Sig
ENSG00000264374	NA	NA	NA	8.263298083	0.322494748	1.089317533	0.296052105	0.76719029	0.999371363	Not Sig
ENSG00000268423	NA	NA	NA	6.030443297	0.322508435	1.149530312	0.280556703	0.779050428	NA	NA
ENSG00000196505	GDAP2	ganglioside induced differentiation associated protein 2	54834	1391.608279	0.322784878	0.600429856	0.537589653	0.590860375	0.999371363	Not Sig
ENSG00000135587	SMPD2	sphingomyelin phosphodiesterase 2	6610	289.2086201	0.322989326	0.587266762	0.549987412	0.582328008	0.999371363	Not Sig
ENSG00000252305	NA	NA	NA	1.850294337	0.323343275	2.58400445	0.125132631	0.900418551	NA	NA
ENSG00000111652	COPS7A	COP9 signalosome subunit 7A	50813	911.8953451	0.323384192	0.490322302	0.659533926	0.509552968	0.999371363	Not Sig
ENSG00000136305	CIDEB	cell death-inducing DFFA-like effector b	27141	283.1715743	0.323514401	0.802806931	0.402979083	0.686963612	0.999371363	Not Sig
ENSG00000253210	NA	NA	NA	36.7168853	0.323579167	0.745013749	0.434326436	0.664051409	0.999371363	Not Sig
ENSG00000158406	HIST1H4H	histone cluster 1 H4 family member h	8365	591.7824234	0.323605012	0.439683831	0.735994797	0.461733864	0.999371363	Not Sig
ENSG00000240449	NA	NA	NA	3.541708537	0.323689555	1.313995641	0.2463399	0.805419125	NA	NA
ENSG00000112335	SNX3	sorting nexin 3	8724	1347.870127	0.323711547	0.391022705	0.827858696	0.407750529	0.999371363	Not Sig
ENSG00000225591	NA	NA	NA	11.93266753	0.323777158	0.833600292	0.388408163	0.697714005	0.999371363	Not Sig
ENSG00000158769	F11R	F11 receptor	50848	2486.265259	0.323904645	0.406950817	0.795930689	0.426072322	0.999371363	Not Sig
ENSG00000167487	KLHL26	kelch like family member 26	55295	251.4136503	0.324158137	0.568578391	0.570120395	0.568596043	0.999371363	Not Sig
ENSG00000233093	LINC00892	long intergenic non-protein coding RNA 892	100128420	10.16994046	0.324179221	1.253097725	0.258702266	0.795864971	0.999371363	Not Sig
ENSG00000238629	NA	NA	NA	6.297792796	0.324222068	1.097854677	0.295323301	0.767746918	NA	NA
ENSG00000160710	ADAR	adenosine deaminase, RNA specific	103	10259.61741	0.324533598	0.44289092	0.732761914	0.463703654	0.999371363	Not Sig
ENSG00000142208	AKT1	AKT serine/threonine kinase 1	207	3856.107925	0.324640888	0.545120754	0.595539403	0.551482969	0.999371363	Not Sig
ENSG00000113356	POLR3G	RNA polymerase III subunit G	10622	32.17936237	0.324653804	0.707749291	0.458713005	0.646440274	0.999371363	Not Sig
ENSG00000168785	TSPAN5	tetraspanin 5	10098	481.121791	0.324709437	0.56064439	0.579171829	0.562473237	0.999371363	Not Sig
ENSG00000070761	CFAP20	cilia and flagella associated protein 20	29105	354.0910877	0.324821309	0.4118117	0.788761729	0.430251281	0.999371363	Not Sig
ENSG00000185627	PSMD13	proteasome 26S subunit, non-ATPase 13	5719	1480.261255	0.325262343	0.443259768	0.733796223	0.463072943	0.999371363	Not Sig
ENSG00000140104	CLBA1	clathrin binding box of aftiphilin containing 1	122616	332.6823132	0.325269336	0.592850512	0.548653209	0.583243463	0.999371363	Not Sig
ENSG00000241007	NA	NA	NA	1.587660919	0.325287253	2.251935204	0.144447874	0.885146815	NA	NA
ENSG00000143801	PSEN2	presenilin 2	5664	579.1757156	0.325427277	0.571898256	0.569030022	0.569335766	0.999371363	Not Sig
ENSG00000130508	PXDN	peroxidasin	7837	2388.654345	0.325548583	0.624442365	0.521342882	0.602127933	0.999371363	Not Sig
ENSG00000166938	DIS3L	DIS3 like exosome 3'-5' exoribonuclease	115752	741.1713428	0.325560708	0.46664853	0.697657204	0.485391598	0.999371363	Not Sig

ENSG00000136875	PRPF4	pre-mRNA processing factor 4	9128	504.3799059	0.325802975	0.426872527	0.763232474	0.445324765	0.999371363	Not Sig
ENSG00000261602	NA	NA	NA	3.419970772	0.325935599	1.295224793	0.25164404	0.801316215	NA	NA
ENSG00000236051	MYCBP2-AS1	MYCBP2 antisense RNA 1	100874212	3.000267951	0.3263845	1.686279535	0.193553022	0.846525885	NA	NA
ENSG00000233090	NA	NA	NA	1.19458849	0.326783549	2.189561516	0.149246115	0.881359433	NA	NA
ENSG00000251192	ZNF674	zinc finger protein 674	641339	131.2392156	0.327283358	0.567843502	0.576361896	0.564370594	0.999371363	Not Sig
ENSG00000272844	NA	NA	NA	1.832570143	0.327358558	2.167477241	0.151032062	0.879950424	NA	NA
ENSG00000188010	MORN2	MORN repeat containing 2	729967	108.6000179	0.327435543	0.460825742	0.71054091	0.477368771	0.999371363	Not Sig
ENSG00000112473	SLC39A7	solute carrier family 39 member 7	7922	3692.132966	0.327455309	0.625403507	0.523590458	0.60056342	0.999371363	Not Sig
ENSG00000151348	EXT2	exostosin glycosyltransferase 2	2132	1425.828358	0.327541354	0.410652569	0.797611848	0.425095773	0.999371363	Not Sig
ENSG00000198339	NA	NA	NA	153.0477577	0.327827037	0.788820318	0.415591523	0.677708931	0.999371363	Not Sig
ENSG00000087250	MT3	metallothionein 3	4504	3.747665742	0.327836596	1.59115452	0.206036932	0.836762062	NA	NA
ENSG00000211734	NA	NA	NA	8.686830262	0.327841413	1.41161616	0.232245437	0.816347388	0.999371363	Not Sig
ENSG00000228544	CCDC183-AS1	CCDC183 antisense RNA 1	100131193	93.68357826	0.327918003	0.684171496	0.479292115	0.631730831	0.999371363	Not Sig
ENSG00000205111	CDKL4	cyclin dependent kinase like 4	344387	12.2485115	0.327958606	0.785900362	0.417303035	0.676456769	0.999371363	Not Sig
ENSG00000213983	APIG2	adaptor related protein complex 1 gamma 2 subunit	8906	1366.736687	0.328069795	0.418993398	0.782995142	0.433629965	0.999371363	Not Sig
ENSG00000230116	NA	NA	NA	3.011266849	0.328098818	1.377368323	0.23820703	0.811720525	NA	NA
ENSG00000181404	WASHC1	WASH complex subunit 1	100287171	213.8170536	0.328192293	0.782610378	0.419355918	0.674956036	0.999371363	Not Sig
ENSG00000129255	MPDU1	mannose-P-dolichol utilization defect 1	9526	892.7364503	0.328342067	0.468880884	0.700267549	0.483760234	0.999371363	Not Sig
ENSG00000237160	NA	NA	NA	4.507539877	0.328475897	1.17509484	0.279531393	0.77983705	NA	NA
ENSG00000258878	NA	NA	NA	6.033975075	0.328528017	1.386208169	0.236997605	0.812658648	NA	NA
ENSG00000236031	NA	NA	NA	1.872778375	0.328604624	2.598764894	0.126446461	0.899378527	NA	NA
ENSG00000109321	AREG	amphiregulin	374	157.532332	0.328610728	0.926546205	0.354661998	0.722842824	0.999371363	Not Sig
ENSG00000132475	H3F3B	H3 histone family member 3B	3021	8986.962395	0.328690045	0.510076237	0.644393956	0.519320003	0.999371363	Not Sig
ENSG00000141429	GALNT1	polypeptide N-acetylgalactosaminyltransferase 1	2589	1974.180631	0.328827423	0.514357989	0.639296813	0.522629861	0.999371363	Not Sig
ENSG00000100403	ZC3H7B	zinc finger CCCH-type containing 7B	23264	4033.03689	0.328878391	0.622256922	0.528525082	0.597134943	0.999371363	Not Sig
ENSG00000119737	GPR75	G protein-coupled receptor 75	10936	52.94290654	0.328940048	0.600810188	0.547494126	0.584039305	0.999371363	Not Sig
ENSG00000164845	NA	NA	NA	57.61988746	0.329330275	0.607300723	0.542285333	0.587621958	0.999371363	Not Sig
ENSG00000180787	ZFP3	ZFP3 zinc finger protein	124961	303.0217314	0.329353271	0.693220642	0.475105978	0.634711438	0.999371363	Not Sig
ENSG00000197063	MAFG	MAF bZIP transcription factor G	4097	1014.299044	0.329393792	0.62246162	0.52917928	0.596681089	0.999371363	Not Sig
ENSG00000101198	NKAIN4	sodium/potassium transporting ATPase interacting 4	128414	10.77486094	0.329604875	1.111331032	0.296585685	0.766782841	0.999371363	Not Sig
ENSG00000162433	AK4	adenylate kinase 4	205	302.0528405	0.329765801	0.892872163	0.369331484	0.711880661	0.999371363	Not Sig
ENSG00000211938	NA	NA	NA	844.18841	0.329916616	0.851096079	0.387637336	0.698284435	0.999371363	Not Sig
ENSG00000269176	NA	NA	NA	31.14123559	0.329927407	0.804986862	0.4098544	0.681912758	0.999371363	Not Sig
ENSG00000139990	DCAF5	DDB1 and CUL4 associated factor 5	8816	2109.480708	0.3299956	0.430951607	0.765737021	0.443832794	0.999371363	Not Sig
ENSG00000129083	COPB1	coatomer protein complex subunit beta 1	1315	3159.934538	0.330606298	0.460434905	0.718030485	0.472738491	0.999371363	Not Sig

ENSG00000168003	SLC3A2	solute carrier family 3 member 2	6520	2411.041001	0.330615063	0.583606021	0.56650386	0.57105131	0.999371363	Not Sig
ENSG00000110536	PTPMT1	protein tyrosine phosphatase, mitochondrial 1	114971	153.1753426	0.330682527	0.447034818	0.73972432	0.459467288	0.999371363	Not Sig
ENSG00000254348	NA	NA	NA	5.984157877	0.330780905	1.510796798	0.218944669	0.82669315	NA	NA
ENSG00000123213	NLN	neurolysin	57486	765.6208439	0.331069715	0.619750229	0.534198617	0.593204126	0.999371363	Not Sig
ENSG00000214093	NA	NA	NA	13.10778318	0.331193649	0.812028321	0.407859727	0.683376661	0.999371363	Not Sig
ENSG00000170684	ZNF296	zinc finger protein 296	162979	47.29969074	0.331354006	0.821668794	0.403269552	0.686749939	0.999371363	Not Sig
ENSG00000264724	NA	NA	NA	0.801776351	0.331422686	2.786353609	0.118944948	0.905318971	NA	NA
ENSG00000183473	NA	NA	NA	6.028971234	0.331435203	1.066624746	0.310732714	0.756003825	NA	NA
ENSG00000200597	NA	NA	NA	14.97811594	0.331596565	1.294124524	0.256232348	0.797771432	0.999371363	Not Sig
ENSG00000167186	COQ7	coenzyme Q7, hydroxylase	10229	472.1488119	0.331820244	0.424736959	0.781237037	0.434663094	0.999371363	Not Sig
ENSG00000174547	MRPL11	mitochondrial ribosomal protein L11	65003	348.9620446	0.332107796	0.549077567	0.604846775	0.545280811	0.999371363	Not Sig
ENSG00000206630	SNORD60	small nucleolar RNA, C/D box 60	26788	4.785051787	0.33230632	1.179192953	0.281808265	0.778090533	NA	NA
ENSG00000176160	HSF5	heat shock transcription factor 5	124535	6.006381625	0.332568666	1.147489198	0.289822916	0.771951715	NA	NA
ENSG00000117153	KLHL12	kelch like family member 12	59349	993.3384522	0.33259841	0.430200182	0.773124754	0.439448552	0.999371363	Not Sig
ENSG00000198860	TSEN15	tRNA splicing endonuclease subunit 15	116461	387.874595	0.332675748	0.551300586	0.603438045	0.546217319	0.999371363	Not Sig
ENSG00000223711	NA	NA	NA	5.245799327	0.332985149	1.200895766	0.277280642	0.781564622	NA	NA
ENSG00000150054	MPP7	membrane palmitoylated protein 7	143098	1561.94318	0.333178706	0.620235809	0.5371807	0.591142801	0.999371363	Not Sig
ENSG00000100029	PES1	pescadillo ribosomal biogenesis factor 1	23481	1106.175379	0.333278648	0.535069211	0.622870166	0.533369845	0.999371363	Not Sig
ENSG00000162777	DENND2D	DENN domain containing 2D	79961	1245.480005	0.333316018	0.44486918	0.74924502	0.453709539	0.999371363	Not Sig
ENSG00000140398	NEIL1	nei like DNA glycosylase 1	79661	440.8242648	0.333325032	0.576145518	0.578543131	0.562897487	0.999371363	Not Sig
ENSG00000138395	CDK15	cyclin dependent kinase 15	65061	30.62403445	0.333895742	0.863900623	0.38649786	0.699127988	0.999371363	Not Sig
ENSG00000122025	FLT3	fms related tyrosine kinase 3	2322	37.05147309	0.333912104	0.766457505	0.435656382	0.663086057	0.999371363	Not Sig
ENSG00000162738	VANGL2	VANGL planar cell polarity protein 2	57216	535.2195525	0.334629793	0.782889993	0.42742888	0.669066976	0.999371363	Not Sig
ENSG00000250423	KIAA1210	KIAA1210	57481	4.119909062	0.334983207	2.231401038	0.150122367	0.880668073	NA	NA
ENSG00000160214	RRP1	ribosomal RNA processing 1	8568	537.5209427	0.335178988	0.566785724	0.591368084	0.55427382	0.999371363	Not Sig
ENSG00000237669	NA	NA	NA	21.9702873	0.335345608	0.82744811	0.405276904	0.685273981	0.999371363	Not Sig
ENSG00000141854	MISP3	MISP family member 3	113230	118.9019056	0.335346043	0.778532795	0.430741062	0.666656658	0.999371363	Not Sig
ENSG00000170727	NA	NA	NA	65.72730534	0.335987061	0.670586286	0.501034793	0.616346637	0.999371363	Not Sig
ENSG00000140395	WDR61	WD repeat domain 61	80349	666.1799324	0.336060403	0.429132483	0.783115742	0.433559148	0.999371363	Not Sig
ENSG00000171819	ANGPTL7	angiopoietin like 7	10218	4.819719025	0.336579774	1.907011371	0.176495945	0.859904334	NA	NA
ENSG00000159377	PSMB4	proteasome subunit beta 4	5692	1786.681552	0.336627047	0.43734766	0.769701263	0.44147712	0.999371363	Not Sig
ENSG00000136159	NUDT15	nudix hydrolase 15	55270	242.0952806	0.336829545	0.507256552	0.664022068	0.506676187	0.999371363	Not Sig
ENSG00000207200	NA	NA	NA	0.936389187	0.337142054	3.120168559	0.108052513	0.913954037	NA	NA
ENSG00000207392	SNORA20	small nucleolar RNA, H/ACA box 20	677806	0.936389187	0.337142054	3.120168559	0.108052513	0.913954037	NA	NA
ENSG00000244045	TMEM199	transmembrane protein 199	147007	279.1567346	0.337168772	0.398656429	0.845762786	0.397685089	0.999371363	Not Sig

ENSG00000168612	ZSWIM1	zinc finger SWIM-type containing 1	90204	168.0827712	0.337381086	0.474636413	0.710820065	0.477195745	0.999371363	Not Sig
ENSG00000175197	DDIT3	DNA damage inducible transcript 3	1649	351.5161127	0.337436609	0.655690888	0.514627571	0.606813295	0.999371363	Not Sig
ENSG00000110002	VWA5A	von Willebrand factor A domain containing 5A	4013	1124.109296	0.337482181	0.428321455	0.787917992	0.430744676	0.999371363	Not Sig
ENSG00000167283	ATP5L	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit 6	10632	988.7883643	0.337494582	0.421217858	0.801235218	0.422995486	0.999371363	Not Sig
ENSG00000094631	HDAC6	histone deacetylase 6	10013	1403.791446	0.337612394	0.487006522	0.693239984	0.488158959	0.999371363	Not Sig
ENSG00000116670	MAD2L2	mitotic arrest deficient 2 like 2	10459	297.8999941	0.338127723	0.703836392	0.480406706	0.630938227	0.999371363	Not Sig
ENSG00000243964	NA	NA	NA	6.251684181	0.338366597	1.125933972	0.300520817	0.76377992	NA	NA
ENSG00000128606	LRRC17	leucine rich repeat containing 17	10234	37.77104222	0.338598527	0.759776253	0.445655581	0.655846055	0.999371363	Not Sig
ENSG00000136280	CCM2	CCM2 scaffolding protein	83605	1001.576393	0.338796292	0.513713255	0.659504672	0.509571747	0.999371363	Not Sig
ENSG00000142751	GPN2	GPN-loop GTPase 2	54707	603.8331925	0.33886127	0.44145971	0.767592743	0.442729175	0.999371363	Not Sig
ENSG00000204525	HLA-C	major histocompatibility complex, class I, C	3107	32782.79312	0.338885237	0.927640882	0.365319428	0.714872977	0.999371363	Not Sig
ENSG00000187134	AKR1C1	aldo-keto reductase family 1 member C1	1645	1188.086594	0.338972615	0.979739951	0.345982232	0.729356068	0.999371363	Not Sig
ENSG00000242372	EIF6	eukaryotic translation initiation factor 6	3692	661.5943936	0.339050211	0.45333563	0.747901088	0.454519821	0.999371363	Not Sig
ENSG00000141040	ZNF287	zinc finger protein 287	57336	121.2801785	0.339067387	0.564162464	0.601010185	0.547833203	0.999371363	Not Sig
ENSG00000158006	PAFAH2	platelet activating factor acetylhydrolase 2	5051	602.6074813	0.339080966	0.422903681	0.801792421	0.422673043	0.999371363	Not Sig
ENSG00000256229	ZNF486	zinc finger protein 486	90649	599.1126342	0.339116885	0.933293743	0.363354933	0.716339763	0.999371363	Not Sig
ENSG00000113761	ZNF346	zinc finger protein 346	23567	328.7870998	0.339156573	0.51969685	0.652604635	0.514011197	0.999371363	Not Sig
ENSG00000101916	TLR8	toll like receptor 8	51311	207.6797612	0.339261276	0.966407521	0.351054052	0.725547798	0.999371363	Not Sig
ENSG00000182185	RAD51B	RAD51 paralog B	5890	320.4293887	0.339319581	0.765137302	0.443475413	0.6574219	0.999371363	Not Sig
ENSG00000030066	NUP160	nucleoporin 160	23279	1888.80961	0.339519994	0.474673074	0.715271231	0.474441462	0.999371363	Not Sig
ENSG00000115677	HDLBP	high density lipoprotein binding protein	3069	13339.84451	0.339761123	0.442153933	0.76842271	0.442236092	0.999371363	Not Sig
ENSG00000100804	PSMB5	proteasome subunit beta 5	5693	844.7546968	0.339783523	0.423465694	0.802387366	0.422328919	0.999371363	Not Sig
ENSG00000111817	DSE	dermatan sulfate epimerase	29940	1096.308939	0.339810583	0.474302802	0.716442283	0.473718294	0.999371363	Not Sig
ENSG00000005302	MSL3	MSL complex subunit 3	10943	626.3312812	0.33988278	0.493497894	0.688721845	0.490998326	0.999371363	Not Sig
ENSG00000158435	CNOT11	CCR4-NOT transcription complex subunit 11	55571	1033.286396	0.339932123	0.461025991	0.737338306	0.460916643	0.999371363	Not Sig
ENSG00000196821	C6orf106	chromosome 6 open reading frame 106	64771	3215.357774	0.339963013	0.529444635	0.64211249	0.520800147	0.999371363	Not Sig
ENSG00000121775	TMEM39B	transmembrane protein 39B	55116	314.5653558	0.340378766	0.515656934	0.660087635	0.509197593	0.999371363	Not Sig
ENSG00000253616	NA	NA	NA	20.44448421	0.34050463	0.859078555	0.396360296	0.691839252	0.999371363	Not Sig
ENSG00000124098	FAM210B	family with sequence similarity 210 member B	116151	1182.562227	0.340644808	0.6017376	0.566101915	0.571324502	0.999371363	Not Sig
ENSG00000007933	FMO3	flavin containing monooxygenase 3	2328	338.2726705	0.340701115	0.729203233	0.467223813	0.640339758	0.999371363	Not Sig
ENSG00000106305	ATMP2	aminoacyl tRNA synthetase complex interacting multifunctional protein 2	7965	359.3726568	0.340863011	0.470359723	0.724685797	0.46864481	0.999371363	Not Sig
ENSG00000013725	CD6	CD6 molecule	923	340.008481	0.34087657	0.74319409	0.458664264	0.64647528	0.999371363	Not Sig
ENSG00000247271	ZBED5-AS1	ZBED5 antisense RNA 1	729013	156.3221634	0.340974099	0.49630648	0.687023267	0.492068067	0.999371363	Not Sig
ENSG00000128159	TUBGCP6	tubulin gamma complex associated protein 6	85378	2073.975912	0.341155617	0.59153037	0.5767339	0.564119228	0.999371363	Not Sig
ENSG00000115963	RND3	Rho family GTPase 3	390	733.7610289	0.341704472	0.436661931	0.782537813	0.433898572	0.999371363	Not Sig

ENSG00000167986	DDB1	damage specific DNA binding protein 1	1642	4464.487595	0.341852224	0.39206775	0.871921304	0.38325131	0.999371363	Not Sig
ENSG00000121680	PEX16	peroxisomal biogenesis factor 16	9409	390.0994949	0.342004656	0.578378593	0.591316241	0.55430855	0.999371363	Not Sig
ENSG00000162695	SLC30A7	solute carrier family 30 member 7	148867	2048.005241	0.342070416	0.716572587	0.477370223	0.633098514	0.999371363	Not Sig
ENSG00000115685	PPP1R7	protein phosphatase 1 regulatory subunit 7	5510	836.1934959	0.342081209	0.507661149	0.673837676	0.500414519	0.999371363	Not Sig
ENSG00000271851	NA	NA	NA	23.21234851	0.34214511	0.706650627	0.484178598	0.628259124	0.999371363	Not Sig
ENSG00000169155	ZBTB43	zinc finger and BTB domain containing 43	23099	744.7784301	0.342161885	0.433770745	0.788808118	0.430224164	0.999371363	Not Sig
ENSG00000260037	NA	NA	NA	4.178394932	0.342258176	1.474098146	0.232181403	0.816397121	NA	NA
ENSG00000121310	ECHDC2	enoyl-CoA hydratase domain containing 2	55268	1587.911955	0.342317576	0.432864575	0.790819105	0.429049559	0.999371363	Not Sig
ENSG00000125962	ARMCX5	armadillo repeat containing, X-linked 5	64860	268.663236	0.342407933	0.501203851	0.683170994	0.494498799	0.999371363	Not Sig
ENSG00000181789	COPG1	coatamer protein complex subunit gamma 1	22820	4161.13528	0.34246083	0.424178729	0.807350314	0.419464684	0.999371363	Not Sig
ENSG00000187595	ZNF385C	zinc finger protein 385C	201181	35.3488507	0.342488672	0.680652048	0.503177318	0.61483961	0.999371363	Not Sig
ENSG00000186575	NF2	neurofibromin 2	4771	1635.56878	0.342789897	0.554009444	0.618743779	0.536085164	0.999371363	Not Sig
ENSG00000183020	AP2A2	adaptor related protein complex 2 alpha 2 subunit	161	2736.168013	0.342801099	0.50345127	0.680902244	0.495933348	0.999371363	Not Sig
ENSG00000185608	MRPL40	mitochondrial ribosomal protein L40	64976	276.2671387	0.34282822	0.487195977	0.703676214	0.481634437	0.999371363	Not Sig
ENSG00000201581	NA	NA	NA	9.643695642	0.34306994	1.047555763	0.327495636	0.743293043	0.999371363	Not Sig
ENSG00000211868	NA	NA	NA	10.96886157	0.343492316	1.247521218	0.275339859	0.783055144	0.999371363	Not Sig
ENSG00000100373	UPK3A	uroplakin 3A	7380	8.549994808	0.343698378	1.195310538	0.287538984	0.773699657	0.999371363	Not Sig
ENSG00000244720	NA	NA	NA	19.85866155	0.344394521	1.037641297	0.331901325	0.73996377	0.999371363	Not Sig
ENSG00000119121	TRPM6	transient receptor potential cation channel subfamily M member 6	140803	43.75087992	0.344408171	1.178190419	0.292319616	0.770042262	0.999371363	Not Sig
ENSG00000010278	CD9	CD9 molecule	928	3990.094377	0.3447299	0.552374266	0.624087545	0.532570093	0.999371363	Not Sig
ENSG00000233473	NA	NA	NA	2.047571972	0.34473502	1.63840456	0.210408972	0.83334849	NA	NA
ENSG00000131828	PDHA1	pyruvate dehydrogenase E1 alpha 1 subunit	5160	1040.928113	0.344897506	0.403790078	0.854150522	0.393021594	0.999371363	Not Sig
ENSG00000272407	NA	NA	NA	6.555677149	0.345352471	1.040226313	0.331997438	0.739891194	NA	NA
ENSG00000167037	SGSM1	small G protein signaling modulator 1	129049	294.2812094	0.345695982	0.886896094	0.38978183	0.696697881	0.999371363	Not Sig
ENSG00000272760	NA	NA	NA	51.21010198	0.345881348	0.809400918	0.427330066	0.669138936	0.999371363	Not Sig
ENSG00000119927	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	57678	506.0517332	0.345960558	0.585220325	0.591162922	0.554411263	0.999371363	Not Sig
ENSG00000270477	NA	NA	NA	2.585995845	0.3464468	1.636201259	0.2117385	0.83231105	NA	NA
ENSG00000185837	HDHD5-AS1	HDHD5 antisense RNA 1	100130717	9.30843526	0.346658322	1.003158954	0.345566692	0.729668381	0.999371363	Not Sig
ENSG00000173567	ADGRF3	adhesion G protein-coupled receptor F3	165082	10.72523779	0.34678935	0.899828085	0.385395117	0.6999447	0.999371363	Not Sig
ENSG00000018189	RUFY3	RUN and FYVE domain containing 3	22902	2027.841785	0.347077288	0.453762576	0.764887424	0.444338583	0.999371363	Not Sig
ENSG00000101417	PXMP4	peroxisomal membrane protein 4	11264	361.8121272	0.347238603	0.61281358	0.566630072	0.570965539	0.999371363	Not Sig
ENSG00000122188	LAX1	lymphocyte transmembrane adaptor 1	54900	186.2984101	0.347293036	0.764884977	0.454046094	0.649795651	0.999371363	Not Sig
ENSG00000254539	NA	NA	NA	17.90430479	0.347309185	0.716295047	0.48486889	0.627769351	0.999371363	Not Sig
ENSG00000116691	MIIP	migration and invasion inhibitory protein	60672	441.4425257	0.34732582	0.711367423	0.48825095	0.6253721	0.999371363	Not Sig
ENSG00000132965	ALOX5AP	arachidonate 5-lipoxygenase activating protein	241	628.4996808	0.34758773	0.909718878	0.382082573	0.702400118	0.999371363	Not Sig

ENSG00000239899	NA	NA	NA	28.15365666	0.347872634	0.828627297	0.419817975	0.674618432	0.999371363	Not Sig
ENSG00000117174	ZNHIT6	zinc finger HIT-type containing 6	54680	695.0559059	0.348244716	0.6237254	0.558330182	0.576618939	0.999371363	Not Sig
ENSG00000227376	NA	NA	NA	26.17623317	0.348386911	0.652460005	0.53395903	0.59336988	0.999371363	Not Sig
ENSG00000241973	PI4KA	phosphatidylinositol 4-kinase alpha	5297	3169.673541	0.348556859	0.535781858	0.650557411	0.51533223	0.999371363	Not Sig
ENSG00000085224	ATRX	ATRX, chromatin remodeler	546	5352.967951	0.348797438	0.543361855	0.641924779	0.520922025	0.999371363	Not Sig
ENSG00000196664	TLR7	toll like receptor 7	51284	262.9849429	0.348971674	0.880957957	0.396127501	0.692010972	0.999371363	Not Sig
ENSG00000072840	EVC	EvC ciliary complex subunit 1	2121	1516.566299	0.348984712	0.549464496	0.635136055	0.525339684	0.999371363	Not Sig
ENSG00000237505	PKN2-AS1	PKN2 antisense RNA 1	101927891	6.865127345	0.349021432	1.140799855	0.305944492	0.75964691	0.999371363	Not Sig
ENSG00000166016	ABTB2	ankyrin repeat and BTB domain containing 2	25841	297.1782065	0.349037446	0.690990414	0.505126322	0.613470115	0.999371363	Not Sig
ENSG00000198040	ZNF84	zinc finger protein 84	7637	12.7542946	0.349175427	0.839581612	0.415892181	0.677488902	0.999371363	Not Sig
ENSG00000111275	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	217	2643.183989	0.349223476	0.777061393	0.449415553	0.653131914	0.999371363	Not Sig
ENSG00000143384	MCL1	MCL1, BCL2 family apoptosis regulator	4170	14616.73579	0.349603537	0.435755584	0.802292729	0.422383647	0.999371363	Not Sig
ENSG00000100263	RHBDD3	rhomboid domain containing 3	25807	374.4204392	0.349783239	0.577848373	0.605320107	0.544966324	0.999371363	Not Sig
ENSG00000155719	OTOA	otoancorin	146183	15.18809803	0.349836454	1.070533825	0.326786922	0.743829052	0.999371363	Not Sig
ENSG00000231216	GS1-600G8.3	unknown transcript	100093698	2.911554352	0.349843539	1.622294763	0.215647333	0.829262657	NA	NA
ENSG00000251807	NA	NA	NA	7.48091272	0.349962695	0.996366633	0.351238875	0.725409148	0.999371363	Not Sig
ENSG00000228663	NA	NA	NA	2.10823335	0.349997371	1.845596281	0.189639183	0.849591881	NA	NA
ENSG00000103507	BCKDK	branched chain ketoacid dehydrogenase kinase	10295	720.3966326	0.350010792	0.503361744	0.69534643	0.486838223	0.999371363	Not Sig
ENSG00000171204	TMEM126B	transmembrane protein 126B	55863	472.188396	0.350016298	0.614715797	0.56939532	0.569087892	0.999371363	Not Sig
ENSG00000135090	TAOK3	TAO kinase 3	51347	1438.656755	0.350057725	0.45325979	0.772311448	0.439929987	0.999371363	Not Sig
ENSG00000227525	NA	NA	NA	1.890214809	0.350261097	1.669313754	0.209823406	0.833805505	NA	NA
ENSG00000151623	NR3C2	nuclear receptor subfamily 3 group C member 2	4306	1151.322481	0.350359449	0.401307971	0.873043832	0.382639187	0.999371363	Not Sig
ENSG00000197779	ZNF81	zinc finger protein 81	347344	394.9283735	0.350462852	0.484387358	0.723517751	0.469361852	0.999371363	Not Sig
ENSG00000121940	CLCC1	chloride channel CLIC like 1	23155	1215.959956	0.350464966	0.520606158	0.673186362	0.500828737	0.999371363	Not Sig
ENSG00000167994	RAB3IL1	RAB3A interacting protein like 1	5866	282.1204892	0.350773844	0.750436439	0.467426455	0.640194799	0.999371363	Not Sig
ENSG00000184384	MAML2	mastermind like transcriptional coactivator 2	84441	1631.847664	0.350848849	0.465398141	0.753868178	0.45092838	0.999371363	Not Sig
ENSG00000090530	P3H2	prolyl 3-hydroxylase 2	55214	1036.621807	0.350975171	0.738777732	0.47507546	0.634733189	0.999371363	Not Sig
ENSG00000163877	SNIP1	Smad nuclear interacting protein 1	79753	556.4658892	0.351063347	0.421798064	0.832301939	0.405238536	0.999371363	Not Sig
ENSG00000185127	C6orf120	chromosome 6 open reading frame 120	387263	746.1819352	0.351261025	0.445235267	0.788933517	0.430150865	0.999371363	Not Sig
ENSG00000232600	NA	NA	NA	12.757577	0.351582507	0.813069933	0.432413612	0.665440827	0.999371363	Not Sig
ENSG00000167985	SDHAF2	succinate dehydrogenase complex assembly factor 2	54949	208.64133	0.351693365	0.482011725	0.729636536	0.465612383	0.999371363	Not Sig
ENSG00000105849	TWISTNB	TWIST neighbor	221830	426.1927058	0.351911247	0.537343506	0.654909277	0.512526167	0.999371363	Not Sig
ENSG00000111907	TPD52L1	tumor protein D52 like 1	7164	355.4756126	0.351953726	0.716112672	0.491478143	0.623088307	0.999371363	Not Sig
ENSG00000111012	CYP27B1	cytochrome P450 family 27 subfamily B member 1	1594	46.96018716	0.352007955	0.710856177	0.495188713	0.620466917	0.999371363	Not Sig
ENSG00000106785	TRIM14	tripartite motif containing 14	9830	1505.451456	0.352141483	0.574212646	0.613259714	0.539704627	0.999371363	Not Sig

ENSG00000100764	PSMC1	proteasome 26S subunit, ATPase 1	5700	1377.935806	0.352188668	0.423736541	0.831150097	0.405888842	0.999371363	Not Sig
ENSG00000108395	TRIM37	tripartite motif containing 37	4591	780.2818201	0.352249586	0.40074465	0.87898762	0.379407988	0.999371363	Not Sig
ENSG00000114656	KIAA1257	KIAA1257	57501	42.41970951	0.352339559	0.866244153	0.406743938	0.684196066	0.999371363	Not Sig
ENSG00000153237	CCDC148	coiled-coil domain containing 148	130940	56.75890378	0.352557605	0.784333916	0.449499375	0.653071459	0.999371363	Not Sig
ENSG00000101986	ABCD1	ATP binding cassette subfamily D member 1	215	505.0889361	0.352622914	0.618130522	0.570466756	0.568361164	0.999371363	Not Sig
ENSG00000185504	FAAP100	Fanconi anemia core complex associated protein 100	80233	879.2310042	0.352667091	0.552406034	0.638420055	0.52320028	0.999371363	Not Sig
ENSG00000100445	SDR39U1	short chain dehydrogenase/reductase family 39U member 1	56948	460.6455207	0.352669461	0.550960806	0.640099001	0.522108239	0.999371363	Not Sig
ENSG00000170775	GPR37	G protein-coupled receptor 37	2861	83.66019916	0.353127832	0.957958855	0.36862526	0.712407065	0.999371363	Not Sig
ENSG00000116209	TMEM59	transmembrane protein 59	9528	4788.247183	0.353249221	0.49620607	0.711900242	0.476526552	0.999371363	Not Sig
ENSG00000124613	ZNF391	zinc finger protein 391	346157	187.3063642	0.353541671	0.76856763	0.46000073	0.645515696	0.999371363	Not Sig
ENSG00000048162	NOP16	NOP16 nucleolar protein	51491	201.8243375	0.353763816	0.508248472	0.696045017	0.486400638	0.999371363	Not Sig
ENSG00000254944	NA	NA	NA	19.50612623	0.35382174	0.814536468	0.434384161	0.664009498	0.999371363	Not Sig
ENSG00000187653	NA	NA	NA	88.83444526	0.354076432	0.705861253	0.501623273	0.615932545	0.999371363	Not Sig
ENSG00000143363	PRUNE1	prune exopolyphosphatase 1	58497	575.6930625	0.354118061	0.481670716	0.735187026	0.462225599	0.999371363	Not Sig
ENSG00000141979	NA	NA	NA	4.314292128	0.354310122	1.183617802	0.299345043	0.76467679	NA	NA
ENSG00000136240	KDEL2	KDEL endoplasmic reticulum protein retention receptor 2	11014	4663.846084	0.35446271	0.697299071	0.508336702	0.611217235	0.999371363	Not Sig
ENSG00000222085	NA	NA	NA	6.496476936	0.354567394	1.08220967	0.327632809	0.743189312	NA	NA
ENSG00000106009	BRAT1	BRCA1 associated ATM activator 1	221927	1201.239904	0.355214136	0.604804761	0.587320338	0.556988584	0.999371363	Not Sig
ENSG00000138600	SPPL2A	signal peptide peptidase like 2A	84888	1450.440484	0.355253372	0.420777354	0.844278734	0.398513666	0.999371363	Not Sig
ENSG00000137288	UQCC2	ubiquinol-cytochrome c reductase complex assembly factor 2	84300	534.4411106	0.355432245	0.523767133	0.678607387	0.497386661	0.999371363	Not Sig
ENSG00000211837	NA	NA	NA	1.24579562	0.355479204	2.482968574	0.143167017	0.886158278	NA	NA
ENSG00000221869	CEBPD	CCAAT/enhancer binding protein delta	1052	6531.375611	0.355523679	0.763662538	0.465550765	0.641537092	0.999371363	Not Sig
ENSG00000102316	MAGED2	MAGE family member D2	10916	2791.479856	0.355541631	0.566505522	0.627604881	0.53026281	0.999371363	Not Sig
ENSG00000143753	DEGS1	delta 4-desaturase, sphingolipid 1	8560	849.9640475	0.355690014	0.409585173	0.868415259	0.385167044	0.999371363	Not Sig
ENSG00000252615	NA	NA	NA	1.082000922	0.355786388	2.532386869	0.140494485	0.88826931	NA	NA
ENSG00000207174	SNORD116-15	small nucleolar RNA, C/D box 116-15	100033427	5.244200017	0.355842384	1.233197538	0.288552623	0.772923755	NA	NA
ENSG00000073169	SELENOO	selenoprotein O	83642	591.3225194	0.355860736	0.646412303	0.550516651	0.58196506	0.999371363	Not Sig
ENSG00000187049	TMEM216	transmembrane protein 216	51259	138.532364	0.356196098	0.47595443	0.748382778	0.454229307	0.999371363	Not Sig
ENSG00000119638	NEK9	NIMA related kinase 9	91754	2479.969395	0.356227377	0.442237634	0.805511221	0.420524734	0.999371363	Not Sig
ENSG00000175449	RFESD	Rieske Fe-S domain containing	317671	38.62182536	0.356228779	0.611189152	0.582845389	0.559997386	0.999371363	Not Sig
ENSG00000146233	CYP39A1	cytochrome P450 family 39 subfamily A member 1	51302	96.69924643	0.356367495	0.638668184	0.557985358	0.576854383	0.999371363	Not Sig
ENSG00000258821	NA	NA	NA	1.654759833	0.356490871	1.761864285	0.202337305	0.839653038	NA	NA
ENSG00000124486	USP9X	ubiquitin specific peptidase 9, X-linked	8239	7078.025392	0.356519736	0.502690248	0.709223499	0.478185793	0.999371363	Not Sig
ENSG00000105889	STEAP1B	STEAP family member 1B	256227	8.763568337	0.356702392	1.025476914	0.34784049	0.72795998	0.999371363	Not Sig
ENSG00000174827	PDZK1	PDZ domain containing 1	5174	3.674434302	0.356790301	1.457277033	0.244833544	0.80658532	NA	NA

ENSG00000138639	ARHGAP24	Rho GTPase activating protein 24	83478	735.3377743	0.356805349	0.592460635	0.602243132	0.547012308	0.999371363	Not Sig
ENSG00000064703	DDX20	DEAD-box helicase 20	11218	379.0453689	0.357004127	0.478524235	0.746052344	0.455635796	0.999371363	Not Sig
ENSG00000009830	POMT2	protein O-mannosyltransferase 2	29954	603.0594674	0.357539916	0.432242902	0.827173597	0.408138675	0.999371363	Not Sig
ENSG00000170365	SMAD1	SMAD family member 1	4086	634.3620324	0.357868931	0.468746064	0.763460129	0.445189032	0.999371363	Not Sig
ENSG00000144061	NPHP1	nephrocystin 1	4867	174.5129561	0.357872864	0.583137502	0.613702365	0.539412026	0.999371363	Not Sig
ENSG00000187601	MAGEH1	MAGE family member H1	28986	273.9968597	0.358098659	0.680539809	0.52619796	0.598750671	0.999371363	Not Sig
ENSG00000248309	MEF2C-AS1	MEF2C antisense RNA 1	101929423	33.94447239	0.358268586	0.742079692	0.482789907	0.629244918	0.999371363	Not Sig
ENSG00000242716	NA	NA	NA	59.77873988	0.358440963	0.622177714	0.576107043	0.564542831	0.999371363	Not Sig
ENSG00000162650	ATXN7L2	ataxin 7 like 2	127002	140.3880986	0.358447071	0.676013051	0.530236909	0.595947684	0.999371363	Not Sig
ENSG00000224846	NA	NA	NA	5.14265511	0.358503399	1.220466594	0.293742902	0.768954369	NA	NA
ENSG00000263244	NA	NA	NA	2070.859921	0.358517807	0.457636958	0.783410956	0.433385824	0.999371363	Not Sig
ENSG00000050628	PTGER3	prostaglandin E receptor 3	5733	38.95145185	0.358761967	0.720070144	0.498231971	0.61832055	0.999371363	Not Sig
ENSG00000168672	FAM84B	family with sequence similarity 84 member B	157638	2460.927143	0.358820226	0.652890867	0.549586836	0.58260279	0.999371363	Not Sig
ENSG00000234604	NA	NA	NA	24.96398216	0.358824637	1.059973325	0.338522328	0.734969604	0.999371363	Not Sig
ENSG00000162706	CADM3	cell adhesion molecule 3	57863	122.9727051	0.358865942	0.856021638	0.419225316	0.675051472	0.999371363	Not Sig
ENSG00000171877	FRMD5	FERM domain containing 5	84978	185.863743	0.358875842	1.209645859	0.296678436	0.766712022	0.999371363	Not Sig
ENSG00000156411	C14orf2	chromosome 14 open reading frame 2	9556	416.1208481	0.35887995	0.520083783	0.690042569	0.490167418	0.999371363	Not Sig
ENSG00000095066	HOOK2	hook microtubule tethering protein 2	29911	965.7021662	0.359030961	0.540699308	0.664012245	0.506682474	0.999371363	Not Sig
ENSG00000236794	NA	NA	NA	3.982401657	0.359286686	1.366365701	0.262950603	0.792588652	NA	NA
ENSG00000173465	SSSCA1	Sjogren syndrome/scleroderma autoantigen 1	10534	249.4817397	0.359359292	0.614952972	0.584368738	0.558972255	0.999371363	Not Sig
ENSG00000158109	TPRG1L	tumor protein p63 regulated 1 like	127262	1162.815336	0.359393511	0.540135841	0.66537616	0.505809929	0.999371363	Not Sig
ENSG00000136628	EPRS	glutamyl-prolyl-tRNA synthetase	2058	3557.223655	0.359459841	0.482977209	0.744258392	0.456720168	0.999371363	Not Sig
ENSG00000168438	CDC40	cell division cycle 40	51362	682.7923055	0.359557687	0.463085295	0.77643944	0.437489565	0.999371363	Not Sig
ENSG00000171202	TMEM126A	transmembrane protein 126A	84233	163.5868134	0.35957726	0.603994326	0.595332182	0.551621448	0.999371363	Not Sig
ENSG00000175348	TMEM9B	TMEM9 domain family member B	56674	1040.919513	0.359604914	0.47206035	0.761777417	0.446192861	0.999371363	Not Sig
ENSG00000067369	TP53BP1	tumor protein p53 binding protein 1	7158	2394.301642	0.359765061	0.425938745	0.844640375	0.398311659	0.999371363	Not Sig
ENSG00000119705	SLIRP	SRA stem-loop interacting RNA binding protein	81892	295.1165157	0.359878458	0.583742102	0.616502488	0.53756293	0.999371363	Not Sig
ENSG00000112936	C7	complement C7	730	4655.725654	0.359905592	1.094842739	0.328728117	0.7423612	0.999371363	Not Sig
ENSG00000089050	RBBP9	RB binding protein 9, serine hydrolase	10741	505.2334011	0.359911163	0.449378109	0.800909426	0.423184083	0.999371363	Not Sig
ENSG00000048140	TSPAN17	tetraspanin 17	26262	854.3539409	0.359991961	0.516766879	0.696623518	0.486038434	0.999371363	Not Sig
ENSG00000065491	TBC1D22B	TBC1 domain family member 22B	55633	546.8775966	0.360012941	0.528489738	0.681210844	0.495738087	0.999371363	Not Sig
ENSG00000091947	TMEM101	transmembrane protein 101	84336	515.0508146	0.360427255	0.565818156	0.637001926	0.524123589	0.999371363	Not Sig
ENSG00000114315	HES1	hes family bHLH transcription factor 1	3280	1526.070278	0.360431583	0.647059502	0.557030044	0.577506902	0.999371363	Not Sig
ENSG00000048052	HDAC9	histone deacetylase 9	9734	360.7969927	0.360782842	0.680392242	0.530257137	0.595933661	0.999371363	Not Sig
ENSG00000124641	MED20	mediator complex subunit 20	9477	375.1686355	0.360792343	0.430955442	0.837191755	0.402484791	0.999371363	Not Sig

ENSG00000100426	ZBED4	zinc finger BED-type containing 4	9889	1201.981726	0.360924205	0.597482625	0.604074812	0.545793905	0.999371363	Not Sig
ENSG00000138756	BMP2K	BMP2 inducible kinase	55589	1622.988194	0.361495579	0.641328801	0.563666528	0.572981101	0.999371363	Not Sig
ENSG00000169957	ZNF768	zinc finger protein 768	79724	699.0387342	0.361614067	0.5812908	0.622088063	0.533883964	0.999371363	Not Sig
ENSG00000110060	PUS3	pseudouridylate synthase 3	83480	130.2900333	0.361663372	0.43263763	0.835949874	0.403183103	0.999371363	Not Sig
ENSG00000172339	ALG14	ALG14, UDP-N-acetylglucosaminyltransferase subunit	199857	161.2333782	0.361721165	0.505060306	0.716194008	0.473871562	0.999371363	Not Sig
ENSG00000205213	LGR4	leucine rich repeat containing G protein-coupled receptor 4	55366	2334.302869	0.361750374	0.853178084	0.42400336	0.671563363	0.999371363	Not Sig
ENSG00000198730	CTR9	CTR9 homolog, Paf1/RNA polymerase II complex component	9646	1550.462227	0.361868477	0.380480959	0.951081699	0.341562904	0.999371363	Not Sig
ENSG00000136522	MRPL47	mitochondrial ribosomal protein L47	57129	256.6021989	0.361923845	0.505668392	0.715733574	0.474155876	0.999371363	Not Sig
ENSG00000130935	NOL11	nucleolar protein 11	25926	810.9507161	0.362162347	0.495978535	0.730197622	0.465269396	0.999371363	Not Sig
ENSG00000096401	CDC5L	cell division cycle 5 like	988	1301.151139	0.362199952	0.415608233	0.871493689	0.38348465	0.999371363	Not Sig
ENSG00000167325	RRM1	ribonucleotide reductase catalytic subunit M1	6240	962.4863054	0.362238055	0.569841125	0.635682542	0.524983358	0.999371363	Not Sig
ENSG00000144043	TEX261	testis expressed 261	113419	1169.017486	0.362411083	0.574643467	0.630671197	0.528255536	0.999371363	Not Sig
ENSG00000102119	EMD	emerin	2010	778.9233506	0.362904004	0.505397386	0.71805675	0.472722296	0.999371363	Not Sig
ENSG00000243284	VSIG8	V-set and immunoglobulin domain containing 8	391123	6.358537951	0.362948871	1.229602705	0.295175726	0.767859644	NA	NA
ENSG00000167208	SNX20	sorting nexin 20	124460	346.4337245	0.363225868	0.795912431	0.45636411	0.64812817	0.999371363	Not Sig
ENSG00000164611	PTTG1	pituitary tumor-transforming 1	9232	129.8518887	0.363284915	0.71562189	0.507649249	0.611699346	0.999371363	Not Sig
ENSG00000113595	TRIM23	tripartite motif containing 23	373	492.3198682	0.363334708	0.416244586	0.872887528	0.382724385	0.999371363	Not Sig
ENSG00000147883	CDKN2B	cyclin dependent kinase inhibitor 2B	1030	678.7706957	0.363462447	0.785116912	0.462940539	0.643406989	0.999371363	Not Sig
ENSG00000179178	TMEM125	transmembrane protein 125	128218	1543.016301	0.363662323	0.721311986	0.504167863	0.614143422	0.999371363	Not Sig
ENSG00000157916	RER1	retention in endoplasmic reticulum sorting receptor 1	11079	2523.993571	0.364130361	0.440099434	0.827382024	0.408020566	0.999371363	Not Sig
ENSG00000169193	CCDC126	coiled-coil domain containing 126	90693	227.4081303	0.364164255	0.511361948	0.712145783	0.476374506	0.999371363	Not Sig
ENSG00000260625	NA	NA	NA	15.77338341	0.364565256	0.920447213	0.396074051	0.692050401	0.999371363	Not Sig
ENSG00000187994	RINL	Ras and Rab interactor like	126432	219.2857812	0.364611642	0.731722336	0.498292349	0.618278	0.999371363	Not Sig
ENSG00000143793	Clorf35	chromosome 1 open reading frame 35	79169	433.5194133	0.364830344	0.600999212	0.607039637	0.543824608	0.999371363	Not Sig
ENSG00000084070	SMAP2	small ArfGAP2	64744	1501.747989	0.365699258	0.606033474	0.603430789	0.546222145	0.999371363	Not Sig
ENSG00000100897	DCAF11	DDB1 and CUL4 associated factor 11	80344	1457.512623	0.365964756	0.516596021	0.708415747	0.478687117	0.999371363	Not Sig
ENSG00000254585	MAGEL2	MAGE family member L2	54551	1.867470482	0.366196849	1.900081561	0.192726911	0.847172847	NA	NA
ENSG00000215883	CYB5RL	cytochrome b5 reductase like	606495	141.788266	0.366344819	0.458800376	0.79848413	0.424589599	0.999371363	Not Sig
ENSG00000179041	RRS1	ribosome biogenesis regulator homolog	23212	283.1497837	0.366360644	0.546437106	0.670453452	0.50256877	0.999371363	Not Sig
ENSG00000108854	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	64750	2290.840043	0.366658015	0.424008123	0.864742901	0.387179917	0.999371363	Not Sig
ENSG00000159082	SYNJ1	synaptojanin 1	8867	767.7840354	0.366709614	0.424311029	0.864247189	0.387452114	0.999371363	Not Sig
ENSG00000116205	TCEANC2	transcription elongation factor A N-terminal and central domain containing 2	127428	210.5192531	0.366780117	0.492474403	0.74476991	0.456410828	0.999371363	Not Sig
ENSG00000204687	MAS1L	MAS1 proto-oncogene like, G protein-coupled receptor	116511	3.390778012	0.3668417	1.42716883	0.257041558	0.797146692	NA	NA
ENSG00000225101	NA	NA	NA	13.51481038	0.366853603	1.2167358	0.301506377	0.763028388	0.999371363	Not Sig
ENSG00000154639	CXADR	CXADR, Ig-like cell adhesion molecule	1525	1886.955241	0.366914855	0.781289194	0.469627454	0.638621207	0.999371363	Not Sig

ENSG00000229766	NA	NA	NA	1.577791663	0.366979208	1.989480558	0.184459811	0.853652752	NA	NA
ENSG00000224046	LOC101927420	uncharacterized LOC101927420	101927420	7.8612329	0.366989376	1.392130653	0.26361705	0.792075019	0.999371363	Not Sig
ENSG00000055070	SZRD1	SUZ RNA binding domain containing 1	26099	2574.51628	0.367041561	0.433812592	0.846083235	0.397506313	0.999371363	Not Sig
ENSG00000258568	NA	NA	NA	10.34968018	0.367055874	0.86211836	0.425760418	0.670282432	0.999371363	Not Sig
ENSG00000197599	CCDC154	coiled-coil domain containing 154	645811	46.06873996	0.367117846	0.720890686	0.509255914	0.610572855	0.999371363	Not Sig
ENSG00000112357	PEX7	peroxisomal biogenesis factor 7	5191	227.4881688	0.367320022	0.550852139	0.66682145	0.50488619	0.999371363	Not Sig
ENSG00000159388	BTG2	BTG anti-proliferation factor 2	7832	5673.385828	0.367371464	0.863725924	0.425333377	0.670593666	0.999371363	Not Sig
ENSG00000143761	ARF1	ADP ribosylation factor 1	375	8007.65418	0.367435861	0.441165301	0.832875705	0.404914833	0.999371363	Not Sig
ENSG00000141736	ERBB2	erb-b2 receptor tyrosine kinase 2	2064	5156.843479	0.368030476	0.561805331	0.65508541	0.512412765	0.999371363	Not Sig
ENSG00000101773	RBBP8	RB binding protein 8, endonuclease	5932	888.7444327	0.368095747	0.601008769	0.612463188	0.540231346	0.999371363	Not Sig
ENSG00000174680	NA	NA	NA	2.576126589	0.368151068	1.635500373	0.22509996	0.821901512	NA	NA
ENSG00000180229	HERC2P3	hect domain and RLD 2 pseudogene 3	283755	250.6311565	0.368179462	0.770354223	0.477935281	0.63269627	0.999371363	Not Sig
ENSG00000109016	DHRS7B	dehydrogenase/reductase 7B	25979	362.2206101	0.368313826	0.628327059	0.586181703	0.557753416	0.999371363	Not Sig
ENSG00000160049	DFFA	DNA fragmentation factor subunit alpha	1676	1012.278524	0.368918453	0.431797786	0.854377826	0.392895678	0.999371363	Not Sig
ENSG00000120694	HSPH1	heat shock protein family H (Hsp110) member 1	10808	2426.021662	0.368920128	0.447218473	0.824921488	0.409416166	0.999371363	Not Sig
ENSG00000116985	BMP8B	bone morphogenetic protein 8b	656	117.4621242	0.369341097	0.71076185	0.519641138	0.60331372	0.999371363	Not Sig
ENSG00000162073	PAQR4	progesterin and adipoQ receptor family member 4	124222	393.7216423	0.369523758	0.544292734	0.678906286	0.497197243	0.999371363	Not Sig
ENSG00000173141	MRPL57	mitochondrial ribosomal protein L57	78988	468.1057889	0.369545537	0.554222026	0.66678248	0.504911085	0.999371363	Not Sig
ENSG00000100138	SNU13	small nuclear ribonucleoprotein 13	4809	1139.017196	0.369584545	0.448307407	0.824399818	0.409712418	0.999371363	Not Sig
ENSG00000100410	PHF5A	PHD finger protein 5A	84844	358.5145263	0.369808185	0.473717707	0.780650964	0.435007808	0.999371363	Not Sig
ENSG00000199082	MIR342	microRNA 342	442909	8.44244934	0.369879965	0.945737482	0.391102152	0.69572173	0.999371363	Not Sig
ENSG00000164654	MIOS	meiosis regulator for oocyte development	54468	851.1797036	0.369916052	0.50480677	0.732787424	0.463688093	0.999371363	Not Sig
ENSG00000197057	DTHD1	death domain containing 1	401124	186.0292792	0.369992354	0.911977514	0.405703374	0.684960563	0.999371363	Not Sig
ENSG00000091483	FH	fumarate hydratase	2271	707.3292311	0.370047579	0.420815571	0.879358095	0.379207145	0.999371363	Not Sig
ENSG00000227500	SCAMP4	secretory carrier membrane protein 4	113178	866.879916	0.37022066	0.562678791	0.657960929	0.510563238	0.999371363	Not Sig
ENSG00000242020	NA	NA	NA	9.56991724	0.370257489	0.930215995	0.398033888	0.690605206	0.999371363	Not Sig
ENSG00000011143	MKS1	Meckel syndrome, type 1	54903	316.3503614	0.370493815	0.419912866	0.882311176	0.377608554	0.999371363	Not Sig
ENSG00000169762	TAPT1	transmembrane anterior posterior transformation 1	202018	1047.798916	0.370512854	0.429936082	0.861785901	0.388805345	0.999371363	Not Sig
ENSG00000130520	LSM4	LSM4 homolog, U6 small nuclear RNA and mRNA degradation associated	25804	770.6963561	0.370695974	0.605070123	0.612649609	0.540108049	0.999371363	Not Sig
ENSG00000163050	COQ8A	coenzyme Q8A	56997	1001.654314	0.370873767	0.619654838	0.598516696	0.549495222	0.999371363	Not Sig
ENSG00000234882	NA	NA	NA	25.67122094	0.370897322	0.84479008	0.439040811	0.660631966	0.999371363	Not Sig
ENSG00000225051	NA	NA	NA	10.64850273	0.371043116	1.067553034	0.347564106	0.728167567	0.999371363	Not Sig
ENSG00000224424	PRKAR2A-AS1	PRKAR2A antisense RNA 1	100506637	30.0633095	0.371261894	0.603367664	0.615316192	0.538345926	0.999371363	Not Sig
ENSG00000261496	NA	NA	NA	8.322716073	0.371378729	1.108321012	0.335082277	0.737563021	0.999371363	Not Sig
ENSG00000116984	MTR	5-methyltetrahydrofolate-homocysteine methyltransferase	4548	2425.380911	0.371630557	0.494670693	0.751268595	0.452491025	0.999371363	Not Sig

ENSG00000179119	SPTY2D1	SPT2 chromatin protein domain containing 1	144108	1333.759542	0.371702639	0.460796625	0.806652258	0.419866857	0.999371363	Not Sig
ENSG00000111424	VDR	vitamin D receptor	7421	902.1758099	0.371892299	0.485223072	0.76643573	0.44341708	0.999371363	Not Sig
ENSG00000179271	GADD45GIP1	GADD45G interacting protein 1	90480	543.9174448	0.372050897	0.74548516	0.499072171	0.617728542	0.999371363	Not Sig
ENSG00000255836	NA	NA	NA	11.35417068	0.372355619	1.085797982	0.342932687	0.731649101	0.999371363	Not Sig
ENSG00000172086	KRCC1	lysine rich coiled-coil 1	51315	443.5082525	0.372710555	0.472947129	0.788059663	0.430661808	0.999371363	Not Sig
ENSG00000137693	YAP1	Yes associated protein 1	10413	5186.61129	0.372833722	0.454610368	0.820117067	0.412149374	0.999371363	Not Sig
ENSG00000100889	PCK2	phosphoenolpyruvate carboxykinase 2, mitochondrial	5106	640.1407824	0.373017962	0.650537804	0.573399362	0.566374322	0.999371363	Not Sig
ENSG00000177156	TALDO1	transaldolase 1	6888	3247.446521	0.373020525	0.539170857	0.691841036	0.489037163	0.999371363	Not Sig
ENSG00000260799	NA	NA	NA	22.97255092	0.373232132	0.653048619	0.571522734	0.567645355	0.999371363	Not Sig
ENSG00000263179	NA	NA	NA	0.852983482	0.373250591	2.448887085	0.152416416	0.878858511	NA	NA
ENSG00000259375	NA	NA	NA	6.807981463	0.373308223	1.250967414	0.298415625	0.765385965	0.999371363	Not Sig
ENSG00000258056	LOC105369779	uncharacterized LOC105369779	105369779	170.093645	0.373330538	0.602593597	0.619539504	0.535561006	0.999371363	Not Sig
ENSG00000183760	ACP7	acid phosphatase 7, tartrate resistant (putative)	390928	1.873908017	0.373372373	1.883857016	0.198195707	0.842891946	NA	NA
ENSG00000266127	NA	NA	NA	53.51834172	0.373491201	0.755550163	0.494330118	0.621073058	0.999371363	Not Sig
ENSG00000163964	PIGX	phosphatidylinositol glycan anchor biosynthesis class X	54965	339.4574485	0.373691798	0.455210433	0.820920987	0.411691276	0.999371363	Not Sig
ENSG00000123444	KBTBD4	kelch repeat and BTB domain containing 4	55709	355.0914849	0.373904418	0.492391247	0.759364468	0.447634562	0.999371363	Not Sig
ENSG00000248835	NA	NA	NA	72.26909513	0.374195341	0.581467536	0.643536084	0.519876309	0.999371363	Not Sig
ENSG00000175866	BAIAP2	BAI1 associated protein 2	10458	1774.335041	0.374211133	0.73346585	0.510195714	0.609914355	0.999371363	Not Sig
ENSG00000169230	PRELID1	PRELI domain containing 1	27166	1192.022965	0.374238623	0.533030609	0.702095934	0.482619338	0.999371363	Not Sig
ENSG00000022976	ZNF839	zinc finger protein 839	55778	450.9737833	0.374325667	0.490535727	0.763095623	0.44540637	0.999371363	Not Sig
ENSG00000170832	USP32	ubiquitin specific peptidase 32	84669	2040.566093	0.374420525	0.470476396	0.795832753	0.426129252	0.999371363	Not Sig
ENSG00000228649	NA	NA	NA	74.61980281	0.374474848	0.545675458	0.686259282	0.492549621	0.999371363	Not Sig
ENSG00000108272	NA	NA	NA	140.4918269	0.374501223	0.449720013	0.832743066	0.40498965	0.999371363	Not Sig
ENSG00000117691	NENF	neudesin neurotrophic factor	29937	803.8077592	0.374773248	0.555435268	0.674737938	0.499842276	0.999371363	Not Sig
ENSG00000265344	NA	NA	NA	1.223051293	0.374799925	2.220496881	0.168791016	0.865961025	NA	NA
ENSG00000053372	MRTO4	MRT4 homolog, ribosome maturation factor	51154	505.6300574	0.374864469	0.469261138	0.79883979	0.424383315	0.999371363	Not Sig
ENSG00000240183	NA	NA	NA	6.229798309	0.374922792	1.024463275	0.365969968	0.714387485	NA	NA
ENSG00000235934	NA	NA	NA	3.270164495	0.375210221	1.620341441	0.231562442	0.816877881	NA	NA
ENSG00000231827	LOC343052	immunoglobulin superfamily DCC subclass member 3 pseudogene	343052	1.541911975	0.375274903	2.356253368	0.159267636	0.873458018	NA	NA
ENSG00000242732	RTL5	retrotransposon Gag like 5	340526	351.3640759	0.375288337	0.85678111	0.438021255	0.661370876	0.999371363	Not Sig
ENSG00000141076	UTP4	UTP4, small subunit processome component	84916	514.4466769	0.375578593	0.502473381	0.747459682	0.454786131	0.999371363	Not Sig
ENSG00000210174	NA	NA	NA	4.795348198	0.375827869	1.790828504	0.209862568	0.833774938	NA	NA
ENSG00000228794	LINC01128	long intergenic non-protein coding RNA 1128	643837	299.9828611	0.376173109	0.501843484	0.749582531	0.453506175	0.999371363	Not Sig
ENSG00000232480	TGFB2-AS1	TGFB2 antisense RNA 1 (head to head)	728463	2.582564125	0.376337527	1.69185206	0.222441156	0.823970477	NA	NA
ENSG00000106524	ANKMY2	ankyrin repeat and MYND domain containing 2	57037	518.5920481	0.376418262	0.444154533	0.847493909	0.396719881	0.999371363	Not Sig

ENSG00000176422	SPRYD4	SPRY domain containing 4	283377	191.2999891	0.37670306	0.453392038	0.830855041	0.406055524	0.999371363	Not Sig
ENSG00000160219	GAB3	GRB2 associated binding protein 3	139716	377.0062201	0.376814722	0.728492662	0.517252597	0.60497984	0.999371363	Not Sig
ENSG00000170485	NPAS2	neuronal PAS domain protein 2	4862	487.6052171	0.377108782	0.803780444	0.469168893	0.638948918	0.999371363	Not Sig
ENSG00000263422	NA	NA	NA	5.307867211	0.377134935	1.090341862	0.345886871	0.729427736	NA	NA
ENSG00000169989	TIGD4	tigger transposable element derived 4	201798	27.22566824	0.377319744	0.592405818	0.636927816	0.524171863	0.999371363	Not Sig
ENSG00000124693	NA	NA	NA	572.3553665	0.377433856	0.847410036	0.445396962	0.656032907	0.999371363	Not Sig
ENSG00000232487	NA	NA	NA	12.31449927	0.377488146	0.960559426	0.392987811	0.694328484	0.999371363	Not Sig
ENSG00000101294	HM13	histocompatibility minor 13	81502	2455.483393	0.377534642	0.51924101	0.727089414	0.467171183	0.999371363	Not Sig
ENSG00000138678	GPAT3	glycerol-3-phosphate acyltransferase 3	84803	193.6616083	0.377987564	0.489459682	0.77225475	0.43996356	0.999371363	Not Sig
ENSG00000237548	NA	NA	NA	7.098369522	0.378010829	0.96283578	0.39260156	0.694613787	0.999371363	Not Sig
ENSG00000270031	NA	NA	NA	6.4365139	0.378053473	1.147495744	0.329459586	0.741808336	NA	NA
ENSG00000166402	TUB	tubby bipartite transcription factor	7275	236.5646147	0.378089135	0.848388647	0.445655581	0.655846055	0.999371363	Not Sig
ENSG00000175471	MCTP1	multiple C2 and transmembrane domain containing 1	79772	634.4378292	0.37824386	0.456613775	0.82836717	0.407462593	0.999371363	Not Sig
ENSG00000263272	NA	NA	NA	2.136696153	0.378293469	2.120658001	0.178384949	0.858420669	NA	NA
ENSG00000247796	LOC257396	uncharacterized LOC257396	257396	51.92921521	0.378425396	0.635871861	0.595128389	0.551757654	0.999371363	Not Sig
ENSG00000245317	LOC100996419	uncharacterized LOC100996419	100996419	20.60016294	0.378555448	0.758361938	0.499175168	0.617655987	0.999371363	Not Sig
ENSG00000147164	SNX12	sorting nexin 12	29934	774.1598696	0.378635577	0.468757512	0.807742953	0.419238571	0.999371363	Not Sig
ENSG00000104450	SPAG1	sperm associated antigen 1	6674	314.2581812	0.378780813	0.450969411	0.839925733	0.400950029	0.999371363	Not Sig
ENSG00000121067	SPOP	speckle type BTB/POZ protein	8405	1418.513013	0.378805286	0.474692456	0.798001488	0.424869627	0.999371363	Not Sig
ENSG00000100122	CRYBB1	crystallin beta B1	1414	6.031247092	0.378893632	1.150926648	0.329207454	0.741998889	NA	NA
ENSG00000197858	GPAA1	glycosylphosphatidylinositol anchor attachment 1	8733	1927.132017	0.379160338	0.582636581	0.650766446	0.515197263	0.999371363	Not Sig
ENSG00000136908	DPM2	dolichyl-phosphate mannosyltransferase subunit 2, regulatory	8818	545.657969	0.379218215	0.475352493	0.797762124	0.425008545	0.999371363	Not Sig
ENSG00000076043	REXO2	RNA exonuclease 2	25996	530.5703263	0.379296958	0.530065795	0.715565806	0.474259494	0.999371363	Not Sig
ENSG00000100095	SEZ6L	seizure related 6 homolog like	23544	14.18608217	0.379587805	1.037846791	0.365745511	0.714554983	0.999371363	Not Sig
ENSG00000226054	NA	NA	NA	1.31959236	0.380067314	2.384252782	0.159407306	0.873347983	NA	NA
ENSG00000130347	RTN4IP1	reticulon 4 interacting protein 1	84816	99.58219981	0.38042057	0.458880755	0.829018358	0.407094019	0.999371363	Not Sig
ENSG00000198912	Clorf174	chromosome 1 open reading frame 174	339448	318.873333	0.382067055	0.436048223	0.876203674	0.380919319	0.999371363	Not Sig
ENSG00000115275	MOGS	mannosyl-oligosaccharide glucosidase	7841	1423.683451	0.382139424	0.438804893	0.870864091	0.383828365	0.999371363	Not Sig
ENSG00000238344	NA	NA	NA	3.222117898	0.382408684	1.379038877	0.277300873	0.781549089	NA	NA
ENSG00000153786	ZDHHC7	zinc finger DHHC-type containing 7	55625	1775.953068	0.382411378	0.444010569	0.861266385	0.389091345	0.999371363	Not Sig
ENSG00000229204	NA	NA	NA	0.859421017	0.382534786	2.751445072	0.139030501	0.889426047	NA	NA
ENSG00000233963	NA	NA	NA	0.859421017	0.382534786	2.751445072	0.139030501	0.889426047	NA	NA
ENSG00000167965	MLST8	MTOR associated protein, LST8 homolog	64223	491.9306514	0.38275435	0.481778278	0.794461618	0.426926745	0.999371363	Not Sig
ENSG00000161526	SAP30BP	SAP30 binding protein	29115	1271.757142	0.383341578	0.573358103	0.668590147	0.50375696	0.999371363	Not Sig
ENSG00000104783	KCNN4	potassium calcium-activated channel subfamily N member 4	3783	505.9545861	0.383369352	0.965081484	0.397240397	0.691190195	0.999371363	Not Sig

ENSG00000198618	NA	NA	NA	531.8440232	0.383393607	0.499048509	0.768249179	0.442339161	0.999371363	Not Sig
ENSG00000153363	NA	NA	NA	164.7960436	0.383447303	0.656926882	0.583698603	0.559423108	0.999371363	Not Sig
ENSG00000214087	ARL16	ADP ribosylation factor like GTPase 16	339231	329.2143746	0.383520305	0.450779812	0.850792993	0.394884355	0.999371363	Not Sig
ENSG00000204228	HSD17B8	hydroxysteroid 17-beta dehydrogenase 8	7923	252.1626081	0.383758809	0.757475913	0.506628398	0.612415579	0.999371363	Not Sig
ENSG00000164494	PDSS2	decaprenyl diphosphate synthase subunit 2	57107	397.8341423	0.383881403	0.410766481	0.934548997	0.350020774	0.999371363	Not Sig
ENSG00000034693	PEX3	peroxisomal biogenesis factor 3	8504	270.1109451	0.383955841	0.488926392	0.785303979	0.432275363	0.999371363	Not Sig
ENSG00000110148	CCKBR	cholecystokinin B receptor	887	0.769577776	0.383968375	3.255590038	0.117941255	0.906114205	NA	NA
ENSG00000214702	NA	NA	NA	0.769577776	0.383968375	3.255590038	0.117941255	0.906114205	NA	NA
ENSG00000138078	PREPL	prolyl endopeptidase-like	9581	1974.008638	0.384218908	0.493857722	0.77799514	0.436571878	0.999371363	Not Sig
ENSG00000122218	COPA	coatamer protein complex subunit alpha	1314	6598.710662	0.384361015	0.460583619	0.834508652	0.403994414	0.999371363	Not Sig
ENSG00000250410	NA	NA	NA	35.22883852	0.384553081	0.685377225	0.561082375	0.574741383	0.999371363	Not Sig
ENSG00000033627	ATP6VOA1	ATPase H+ transporting V0 subunit a1	535	1994.603893	0.384783903	0.400524243	0.960700656	0.336702701	0.999371363	Not Sig
ENSG00000225673	NA	NA	NA	16.02550246	0.384833018	0.94086255	0.409021507	0.682523878	0.999371363	Not Sig
ENSG00000258661	NA	NA	NA	6.003156904	0.384977427	1.609809547	0.239144703	0.810993379	NA	NA
ENSG00000143420	ENSA	endosulfine alpha	2029	3441.75138	0.385033281	0.453040458	0.849887188	0.395387809	0.999371363	Not Sig
ENSG00000175505	CLCF1	cardiotrophin like cytokine factor 1	23529	234.008338	0.385104316	0.612205827	0.629043858	0.529320344	0.999371363	Not Sig
ENSG00000167775	CD320	CD320 molecule	51293	487.5590612	0.385136823	0.623394521	0.617805915	0.536703284	0.999371363	Not Sig
ENSG00000126698	DNAJC8	DnaJ heat shock protein family (Hsp40) member C8	22826	1346.244259	0.385491738	0.456045771	0.845291771	0.397947954	0.999371363	Not Sig
ENSG00000119471	HSDL2	hydroxysteroid dehydrogenase like 2	84263	919.6824178	0.385501775	0.395037816	0.975860435	0.329133631	0.999371363	Not Sig
ENSG00000269951	NA	NA	NA	106.8850354	0.385732157	0.753722239	0.511769637	0.608812243	0.999371363	Not Sig
ENSG00000095139	ARCN1	archain 1	372	3443.476009	0.386031778	0.433229482	0.891056113	0.372899068	0.999371363	Not Sig
ENSG00000160087	UBE2J2	ubiquitin conjugating enzyme E2 J2	118424	1006.31383	0.386099717	0.458095484	0.842836767	0.399319742	0.999371363	Not Sig
ENSG00000237709	NA	NA	NA	1.229488829	0.386161314	2.219431724	0.173991076	0.861872476	NA	NA
ENSG00000107175	CREB3	cAMP responsive element binding protein 3	10488	749.4516085	0.386206364	0.548048665	0.704693559	0.481000096	0.999371363	Not Sig
ENSG00000235560	NA	NA	NA	35.95375999	0.386209084	0.715642349	0.539667732	0.589426197	0.999371363	Not Sig
ENSG00000185104	FAF1	Fas associated factor 1	11124	1271.137132	0.386574783	0.550114954	0.702716369	0.482232524	0.999371363	Not Sig
ENSG00000025800	KPNA6	karyopherin subunit alpha 6	23633	2852.532829	0.386664761	0.418198925	0.924595302	0.355176458	0.999371363	Not Sig
ENSG00000136504	KAT7	lysine acetyltransferase 7	11143	1584.635797	0.386862947	0.416509607	0.928821186	0.352981763	0.999371363	Not Sig
ENSG00000180769	WDFY3-AS2	WDFY3 antisense RNA 2	404201	72.09960584	0.386924633	0.589810726	0.656014914	0.511814528	0.999371363	Not Sig
ENSG00000158806	NPM2	nucleophosmin/nucleoplasmin 2	10361	37.78534401	0.386964804	0.973521855	0.397489591	0.691006461	0.999371363	Not Sig
ENSG00000117906	RCN2	reticulocalbin 2	5955	1288.397022	0.387339596	0.452469734	0.856056365	0.391966603	0.999371363	Not Sig
ENSG00000258810	NA	NA	NA	6.145982979	0.387435614	1.265560303	0.306137616	0.759499868	NA	NA
ENSG00000181817	LSM10	LSM10, U7 small nuclear RNA associated	84967	337.6834654	0.387568495	0.564948542	0.686024418	0.492697711	0.999371363	Not Sig
ENSG00000160753	RUSC1	RUN and SH3 domain containing 1	23623	598.7078548	0.38805492	0.646572025	0.600172764	0.548391103	0.999371363	Not Sig
ENSG00000254986	DPP3	dipeptidyl peptidase 3	10072	787.8533407	0.388468465	0.469310561	0.827742858	0.407816142	0.999371363	Not Sig

ENSG00000235875	ARHGEF7-AS2	ARHGEF7 antisense RNA 2	100874238	1.683222636	0.388531776	1.761299967	0.220593757	0.825408763	NA	NA
ENSG00000233961	NA	NA	NA	56.0858829	0.388838391	0.513199416	0.757675047	0.448645541	0.999371363	Not Sig
ENSG00000137992	DBT	dihydroipoamide branched chain transacylase E2	1629	965.549444	0.388848701	0.579232002	0.67131771	0.502018155	0.999371363	Not Sig
ENSG00000100664	EIF5	eukaryotic translation initiation factor 5	1983	4132.429715	0.389056733	0.411504709	0.945449043	0.344429674	0.999371363	Not Sig
ENSG00000127419	TMEM175	transmembrane protein 175	84286	559.3434929	0.389211193	0.69294311	0.561678422	0.574335138	0.999371363	Not Sig
ENSG00000100532	CGRRF1	cell growth regulator with ring finger domain 1	10668	173.920461	0.389597857	0.436790137	0.891956627	0.372416181	0.999371363	Not Sig
ENSG00000162415	ZSWIM5	zinc finger SWIM-type containing 5	57643	367.9958316	0.389740807	0.484983355	0.803616874	0.421618275	0.999371363	Not Sig
ENSG00000111328	CDK2AP1	cyclin dependent kinase 2 associated protein 1	8099	597.2207285	0.390667099	0.432400662	0.903484043	0.366269053	0.999371363	Not Sig
ENSG00000124562	SNRPC	small nuclear ribonucleoprotein polypeptide C	6631	555.9878959	0.390801824	0.418061003	0.93479617	0.349893354	0.999371363	Not Sig
ENSG00000238541	NA	NA	NA	17.62411166	0.391306782	0.741647582	0.527618227	0.59776434	0.999371363	Not Sig
ENSG00000148175	STOM	stomatin	2040	4840.572958	0.391333129	0.644125069	0.607542149	0.543491179	0.999371363	Not Sig
ENSG00000095397	WHRN	whirlin	25861	378.202715	0.391535082	0.5520796	0.709200416	0.478200115	0.999371363	Not Sig
ENSG00000168970	JMJD7-PLA2G4B	JMJD7-PLA2G4B readthrough	8681	200.4274186	0.391724432	0.646578796	0.605841755	0.54461984	0.999371363	Not Sig
ENSG00000129559	NEDD8	neural precursor cell expressed, developmentally down-regulated 8	4738	364.6768461	0.39198493	0.451706428	0.867786921	0.385510991	0.999371363	Not Sig
ENSG00000227769	NA	NA	NA	5.050825021	0.39199586	1.51117461	0.259398125	0.795328076	NA	NA
ENSG00000156110	ADK	adenosine kinase	132	690.0685777	0.392421547	0.461460216	0.850390855	0.395107819	0.999371363	Not Sig
ENSG00000261693	NA	NA	NA	6.942142002	0.392568281	1.321490218	0.297064841	0.766417006	0.999371363	Not Sig
ENSG00000135945	REV1	REV1, DNA directed polymerase	51455	1499.312859	0.392698137	0.422805677	0.928791069	0.352997374	0.999371363	Not Sig
ENSG00000134250	NOTCH2	notch 2	4853	7858.262379	0.392765224	0.463305145	0.847746303	0.396579273	0.999371363	Not Sig
ENSG00000002330	BAD	BCL2 associated agonist of cell death	572	700.9257759	0.392843365	0.707189975	0.555499059	0.578553354	0.999371363	Not Sig
ENSG00000158850	B4GALT3	beta-1,4-galactosyltransferase 3	8703	790.6471613	0.392958886	0.451806881	0.86974967	0.384437221	0.999371363	Not Sig
ENSG00000007516	BAIAP3	BAI1 associated protein 3	8938	545.6047923	0.393539458	0.85853985	0.458382285	0.646677817	0.999371363	Not Sig
ENSG00000201010	NA	NA	NA	1.101313529	0.393698242	2.526104054	0.15585195	0.876149721	NA	NA
ENSG00000102870	ZNF629	zinc finger protein 629	23361	1176.181801	0.393863681	0.504530124	0.78065444	0.435005763	0.999371363	Not Sig
ENSG00000064489	BORCS8-MEF2B	BORCS8-MEF2B readthrough	4207	3.379320343	0.393967858	1.310163861	0.30070121	0.763642346	NA	NA
ENSG00000115289	PCGF1	polycomb group ring finger 1	84759	212.1484658	0.393985588	0.509244787	0.773666414	0.439128086	0.999371363	Not Sig
ENSG00000215375	MYL5	myosin light chain 5	4636	152.9684225	0.394005492	0.652697965	0.603656688	0.546071915	0.999371363	Not Sig
ENSG00000131873	CHSY1	chondroitin sulfate synthase 1	22856	1302.047156	0.394078803	0.492504213	0.800153162	0.423622063	0.999371363	Not Sig
ENSG00000183784	C9orf66	chromosome 9 open reading frame 66	157983	13.32814604	0.394188964	0.793802588	0.496583117	0.619483061	0.999371363	Not Sig
ENSG00000256628	ZBTB11-AS1	ZBTB11 antisense RNA 1	100009676	154.566184	0.394452035	0.567384015	0.695211751	0.486922609	0.999371363	Not Sig
ENSG00000148219	ASTN2	astrotactin 2	23245	145.3354977	0.394527115	0.632851371	0.623411962	0.533013839	0.999371363	Not Sig
ENSG00000265791	NA	NA	NA	4.857139219	0.394812908	1.149582722	0.34344019	0.731267329	NA	NA
ENSG00000068912	ERLEC1	endoplasmic reticulum lectin 1	27248	1678.881295	0.39560429	0.508958462	0.777282076	0.436992368	0.999371363	Not Sig
ENSG00000196934	NA	NA	NA	4.217281393	0.395712635	1.230794063	0.321510029	0.747823913	NA	NA
ENSG00000171714	ANO5	anoctamin 5	203859	311.7284449	0.395747507	0.95096023	0.416155687	0.677296083	0.999371363	Not Sig

ENSG00000134697	GNL2	G protein nucleolar 2	29889	1113.999903	0.396084446	0.446832097	0.88642792	0.37538698	0.999371363	Not Sig
ENSG00000255508	NA	NA	NA	7.61774137	0.396099655	1.301884131	0.304251081	0.760936611	0.999371363	Not Sig
ENSG00000261279	ULK4P1	ULK4 pseudogene 1	89838	1.841709442	0.396295335	1.846382587	0.21463338	0.830053167	NA	NA
ENSG00000270578	NA	NA	NA	3.569745435	0.396388484	1.868210718	0.212175468	0.831970144	NA	NA
ENSG00000137285	TUBB2B	tubulin beta 2B class IIB	347733	49.23755953	0.396474072	0.908109283	0.436592908	0.662406607	0.999371363	Not Sig
ENSG00000134375	TIMM17A	translocase of inner mitochondrial membrane 17A	10440	568.6526319	0.39713953	0.473795123	0.838209408	0.401913104	0.999371363	Not Sig
ENSG00000227939	NA	NA	NA	9.852588678	0.397165528	1.027565723	0.38651107	0.699118205	0.999371363	Not Sig
ENSG00000123136	DDX39A	DEXD-box helicase 39A	10212	594.343536	0.397322445	0.60351957	0.658342273	0.51031822	0.999371363	Not Sig
ENSG00000213614	HEXA	hexosaminidase subunit alpha	3073	2035.375664	0.397371722	0.409515873	0.970345104	0.331874502	0.999371363	Not Sig
ENSG00000267336	NA	NA	NA	2.430056085	0.397588038	1.544984334	0.257341145	0.796915432	NA	NA
ENSG00000130638	ATXN10	ataxin 10	25814	1799.867529	0.397617103	0.440462627	0.902726085	0.366671289	0.999371363	Not Sig
ENSG00000202496	NA	NA	NA	17.92245159	0.397620952	0.939954273	0.423021591	0.672279508	0.999371363	Not Sig
ENSG00000184857	TMEM186	transmembrane protein 186	25880	140.777045	0.397987346	0.463022669	0.859541817	0.39004166	0.999371363	Not Sig
ENSG00000106367	AP1S1	adaptor related protein complex 1 sigma 1 subunit	1174	558.0723799	0.398042738	0.430060195	0.925551219	0.354679254	0.999371363	Not Sig
ENSG00000272869	NA	NA	NA	2.465675483	0.398063296	1.491117725	0.266956317	0.789502795	NA	NA
ENSG00000176222	ZNF404	zinc finger protein 404	342908	44.03085821	0.398117256	1.008726841	0.394673007	0.693084226	0.999371363	Not Sig
ENSG00000260093	NA	NA	NA	4.291382185	0.398179819	1.358143814	0.293179423	0.769385012	NA	NA
ENSG00000100216	TOMM22	translocase of outer mitochondrial membrane 22	56993	738.9412387	0.398370734	0.53076541	0.75055896	0.452918128	0.999371363	Not Sig
ENSG00000185722	ANKFY1	ankyrin repeat and FYVE domain containing 1	51479	3063.670908	0.398397525	0.440966688	0.903463995	0.366279689	0.999371363	Not Sig
ENSG00000015133	CCDC88C	coiled-coil domain containing 88C	440193	2152.520062	0.398428441	0.637310692	0.625171436	0.531858547	0.999371363	Not Sig
ENSG00000273361	NA	NA	NA	18.70336803	0.398463532	0.756332176	0.526836679	0.598307009	0.999371363	Not Sig
ENSG00000233862	NA	NA	NA	3.167739337	0.398488809	1.376053513	0.289588163	0.772131324	NA	NA
ENSG00000184990	SIVA1	SIVA1 apoptosis inducing factor	10572	808.8908924	0.398662599	0.579088901	0.688430738	0.491181573	0.999371363	Not Sig
ENSG00000146535	GNA12	G protein subunit alpha 12	2768	1990.500717	0.398750816	0.492918105	0.808959564	0.418538405	0.999371363	Not Sig
ENSG00000096654	ZNF184	zinc finger protein 184	7738	343.8382121	0.398829174	0.520874858	0.765690968	0.443860203	0.999371363	Not Sig
ENSG00000271361	NA	NA	NA	19.84719362	0.399068206	1.039396131	0.383942362	0.701021168	0.999371363	Not Sig
ENSG00000154240	CEP112	centrosomal protein 112	201134	668.8530403	0.399402756	0.515055853	0.775455231	0.43807071	0.999371363	Not Sig
ENSG00000143393	PI4KB	phosphatidylinositol 4-kinase beta	5298	2027.339892	0.399876036	0.517198068	0.77315841	0.439428636	0.999371363	Not Sig
ENSG00000154640	BTG3	BTG anti-proliferation factor 3	10950	743.4773112	0.399886343	0.538911043	0.742026627	0.458071203	0.999371363	Not Sig
ENSG00000125354	6-Sep	septin 6	23157	875.6373808	0.400041	0.607376749	0.65863733	0.510128685	0.999371363	Not Sig
ENSG00000158470	B4GALT5	beta-1,4-galactosyltransferase 5	9334	1741.694275	0.400127589	0.438536074	0.91241659	0.36154946	0.999371363	Not Sig
ENSG00000131467	PSME3	proteasome activator subunit 3	10197	1469.458858	0.400193878	0.377535026	1.06001788	0.289136465	0.999371363	Not Sig
ENSG00000106052	TAX1BP1	Tax1 binding protein 1	8887	4997.329539	0.400730677	0.558754418	0.717185697	0.473259523	0.999371363	Not Sig
ENSG00000063601	MTMR1	myotubularin related protein 1	8776	973.0043582	0.400980199	0.430923078	0.930514562	0.352104728	0.999371363	Not Sig
ENSG00000205100	NA	NA	NA	0.830239154	0.401177583	2.768859814	0.144889091	0.884798439	NA	NA

ENSG00000204923	FBX048	F-box protein 48	554251	102.3047277	0.401211791	0.531643426	0.754663317	0.450451022	0.999371363	Not Sig
ENSG00000223960	LOC101927027	uncharacterized LOC101927027	101927027	222.8132401	0.401240574	0.674475796	0.594892473	0.551915349	0.999371363	Not Sig
ENSG00000087157	PGS1	phosphatidylglycerophosphate synthase 1	9489	1320.139423	0.401272312	0.572559732	0.700839214	0.483403363	0.999371363	Not Sig
ENSG00000258940	LOC100288846	uncharacterized LOC100288846	100288846	9.042482326	0.401302846	0.882671636	0.45464568	0.649364166	0.999371363	Not Sig
ENSG00000168803	ADAL	adenosine deaminase like	161823	145.8433796	0.401318257	0.464627888	0.863741215	0.387730067	0.999371363	Not Sig
ENSG00000201317	NA	NA	NA	3.935208121	0.401572136	1.475122725	0.272229645	0.785445449	NA	NA
ENSG00000132581	SDF2	stromal cell derived factor 2	6388	665.0351494	0.401792047	0.42164845	0.952907682	0.340636848	0.999371363	Not Sig
ENSG00000163491	NEK10	NIMA related kinase 10	152110	145.5586136	0.401858431	0.490959377	0.818516664	0.413062231	0.999371363	Not Sig
ENSG00000141378	PTRH2	peptidyl-tRNA hydrolase 2	51651	266.0441257	0.401997223	0.577844936	0.695683561	0.486627023	0.999371363	Not Sig
ENSG00000163155	LYSMD1	LysM domain containing 1	388695	240.7569866	0.401999097	0.472505739	0.850781407	0.394890792	0.999371363	Not Sig
ENSG00000229586	NA	NA	NA	0.776015311	0.402130799	3.249547622	0.123749779	0.901513397	NA	NA
ENSG00000213846	NA	NA	NA	51.69521468	0.402321221	0.745194367	0.53988763	0.589274529	0.999371363	Not Sig
ENSG00000272047	GTF2H5	general transcription factor IIH subunit 5	404672	232.8983246	0.402799754	0.476360427	0.845577701	0.39778837	0.999371363	Not Sig
ENSG00000117362	APH1A	aph-1 homolog A, gamma-secretase subunit	51107	2647.570848	0.402922861	0.488099553	0.825493198	0.409091643	0.999371363	Not Sig
ENSG00000143851	PTPN7	protein tyrosine phosphatase, non-receptor type 7	5778	289.4443617	0.402997388	0.680491741	0.592214959	0.553706654	0.999371363	Not Sig
ENSG00000206589	NA	NA	NA	2.050273735	0.403024234	1.898273573	0.212310933	0.831864466	NA	NA
ENSG00000138073	PREB	prolactin regulatory element binding	10113	910.0898171	0.403210504	0.512919469	0.786108791	0.431803755	0.999371363	Not Sig
ENSG00000168421	RHOH	ras homolog family member H	399	303.968653	0.403320275	0.797498602	0.505731639	0.613045054	0.999371363	Not Sig
ENSG00000254506	NA	NA	NA	5.874742989	0.403424133	1.081535938	0.373010382	0.709140717	NA	NA
ENSG00000205795	CYS1	cystin 1	192668	262.3799277	0.403691173	1.120332512	0.36033157	0.718599193	0.999371363	Not Sig
ENSG00000108384	RAD51C	RAD51 paralog C	5889	162.7691873	0.403817915	0.477672678	0.845386252	0.397895218	0.999371363	Not Sig
ENSG00000174327	SLC16A13	solute carrier family 16 member 13	201232	153.5906685	0.40394904	0.481318798	0.839254652	0.401326425	0.999371363	Not Sig
ENSG00000250155	NA	NA	NA	13.02631216	0.404090565	0.932816574	0.433194023	0.66487382	0.999371363	Not Sig
ENSG00000174851	YIF1A	Yipl interacting factor homolog A, membrane trafficking protein	10897	743.7722252	0.404148913	0.411759535	0.981516828	0.32633794	0.999371363	Not Sig
ENSG00000140470	ADAMTS17	ADAM metalloproteinase with thrombospondin type 1 motif 17	170691	175.117984	0.40433752	0.881411476	0.45873866	0.646421848	0.999371363	Not Sig
ENSG00000125629	INSIG2	insulin induced gene 2	51141	642.916525	0.404597336	0.587033494	0.689223597	0.490682569	0.999371363	Not Sig
ENSG00000166794	PPIB	peptidylprolyl isomerase B	5479	6151.076551	0.404862211	0.466206226	0.868418714	0.385165154	0.999371363	Not Sig
ENSG00000146038	DCDC2	doublecortin domain containing 2	51473	257.7326135	0.404955618	0.570479054	0.709851861	0.477796005	0.999371363	Not Sig
ENSG00000245614	DDX11-AS1	DDX11 antisense RNA 1	100506660	19.39960544	0.405153986	0.973206424	0.416308376	0.677184364	0.999371363	Not Sig
ENSG00000136634	IL10	interleukin 10	3586	23.3379544	0.405232759	0.789090079	0.51354436	0.607570589	0.999371363	Not Sig
ENSG00000243794	NA	NA	NA	3.337556564	0.405269347	1.906289596	0.212595897	0.831642172	NA	NA
ENSG00000065413	ANKRD44	ankyrin repeat domain 44	91526	1419.981668	0.40567773	0.641471365	0.632417521	0.527114088	0.999371363	Not Sig
ENSG00000165621	OXGR1	oxoglutarate receptor 1	27199	2.662494347	0.405860096	1.671514581	0.242809785	0.808152755	NA	NA
ENSG00000172432	GTPBP2	GTP binding protein 2	54676	1465.064497	0.40591576	0.528194262	0.768497104	0.442191911	0.999371363	Not Sig
ENSG00000196459	TRAPPC2	trafficking protein particle complex 2	6399	353.4943492	0.406553496	0.612345068	0.663928751	0.506735913	0.999371363	Not Sig

ENSG00000225131	NA	NA	NA	6.69541694	0.406747026	1.019329617	0.399033855	0.689868259	0.999371363	Not Sig
ENSG00000116353	MECR	mitochondrial trans-2-enoyl-CoA reductase	51102	353.3049973	0.407411477	0.461592635	0.882621269	0.377440933	0.999371363	Not Sig
ENSG00000259826	NA	NA	NA	24.82906444	0.407695363	0.769621855	0.529734648	0.596295922	0.999371363	Not Sig
ENSG00000235084	NA	NA	NA	11.95862109	0.407745852	0.866280047	0.470685956	0.637865015	0.999371363	Not Sig
ENSG00000197935	ZNF311	zinc finger protein 311	282890	70.0063895	0.407750192	0.750575115	0.543250347	0.586957446	0.999371363	Not Sig
ENSG00000070540	WIPI1	WD repeat domain, phosphoinositide interacting 1	55062	591.4507468	0.40778021	0.45848877	0.889400649	0.373787797	0.999371363	Not Sig
ENSG00000153406	NMRAL1	NmrA like redox sensor 1	57407	691.7734416	0.408146284	0.494255848	0.825779373	0.408929257	0.999371363	Not Sig
ENSG00000180398	MCFD2	multiple coagulation factor deficiency 2	90411	2250.352674	0.40842157	0.44117622	0.925756086	0.354572753	0.999371363	Not Sig
ENSG00000116459	ATP5F1	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit B1	515	1390.41084	0.408610903	0.468835945	0.871543463	0.383457485	0.999371363	Not Sig
ENSG00000150681	RGS18	regulator of G protein signaling 18	64407	63.54777525	0.408616267	0.768405709	0.531771514	0.594884254	0.999371363	Not Sig
ENSG00000144028	SNRNP200	small nuclear ribonucleoprotein U5 subunit 200	23020	7237.378577	0.408800076	0.428463641	0.954106805	0.340029582	0.999371363	Not Sig
ENSG00000162194	LBHD1	LBH domain containing 1	79081	263.2265983	0.408820558	0.431843771	0.946686245	0.343798681	0.999371363	Not Sig
ENSG00000198521	ZNF43	zinc finger protein 43	7594	566.8277615	0.408826488	0.570109054	0.717102254	0.473311005	0.999371363	Not Sig
ENSG00000123094	RASSF8	Ras association domain family member 8	11228	788.1170757	0.409027577	0.680199006	0.601335158	0.547616777	0.999371363	Not Sig
ENSG00000205913	SRRM2-AS1	SRRM2 antisense RNA 1	100128788	64.42946249	0.40908357	0.661239779	0.618661464	0.536139402	0.999371363	Not Sig
ENSG00000139572	GPR84	G protein-coupled receptor 84	53831	31.51767355	0.409138946	0.759791607	0.538488372	0.590239931	0.999371363	Not Sig
ENSG00000248668	OXCT1-AS1	OXCT1 antisense RNA 1	100874002	2.58583023	0.40929767	1.988579297	0.205824164	0.836928266	NA	NA
ENSG00000012660	ELOVL5	ELOVL fatty acid elongase 5	60481	1842.394636	0.409599002	0.473558234	0.864939035	0.387072251	0.999371363	Not Sig
ENSG00000140575	IQGAP1	IQ motif containing GTPase activating protein 1	8826	14305.16133	0.409637524	0.387061946	1.05832549	0.289907076	0.999371363	Not Sig
ENSG00000163468	CCT3	chaperonin containing TCP1 subunit 3	7203	2806.29891	0.409769209	0.529473534	0.773918209	0.438979161	0.999371363	Not Sig
ENSG00000057757	PITHD1	PITH domain containing 1	57095	743.596925	0.410273203	0.484694003	0.846458179	0.397297195	0.999371363	Not Sig
ENSG00000227057	WDR46	WD repeat domain 46	9277	775.2639397	0.410957215	0.477705079	0.860273907	0.389638073	0.999371363	Not Sig
ENSG00000161533	ACOX1	acyl-CoA oxidase 1	51	3117.548395	0.41101686	0.485863794	0.84595079	0.397580197	0.999371363	Not Sig
ENSG00000069998	HDHD5	haloacid dehalogenase like hydrolase domain containing 5	27440	442.3155832	0.411130569	0.578257877	0.710981356	0.477095789	0.999371363	Not Sig
ENSG00000272173	NA	NA	NA	15.50333169	0.411202648	0.971074854	0.423451031	0.671966219	0.999371363	Not Sig
ENSG00000070831	CDC42	cell division cycle 42	998	6015.804633	0.411533917	0.471931687	0.8720201	0.383197412	0.999371363	Not Sig
ENSG00000144306	SCRN3	secernin 3	79634	345.3447683	0.411640281	0.455477875	0.903754722	0.366125475	0.999371363	Not Sig
ENSG00000163348	PYG02	pygopus family PHD finger 2	90780	1235.891648	0.411694711	0.536812285	0.766924906	0.443126164	0.999371363	Not Sig
ENSG00000182628	SKA2	spindle and kinetochore associated complex subunit 2	348235	498.4314936	0.411773455	0.572379455	0.71940642	0.471890542	0.999371363	Not Sig
ENSG00000249493	NA	NA	NA	4.533258404	0.411774874	1.456512795	0.282712844	0.77739697	NA	NA
ENSG00000177839	PCDHB9	protocadherin beta 9	56127	81.29433272	0.411836866	0.757980162	0.543334624	0.586899429	0.999371363	Not Sig
ENSG00000102390	PBDC1	polysaccharide biosynthesis domain containing 1	51260	388.1461286	0.411847602	0.49577628	0.830712599	0.406136007	0.999371363	Not Sig
ENSG00000143341	HMCN1	hemicentin 1	83872	4071.519428	0.411943122	0.562851876	0.731885492	0.464238462	0.999371363	Not Sig
ENSG00000200683	NA	NA	NA	1.341617627	0.411965252	2.433137136	0.16931444	0.865549318	NA	NA
ENSG00000156127	BATF	basic leucine zipper ATP-like transcription factor	10538	122.7232016	0.411997902	0.489820315	0.841120487	0.400280439	0.999371363	Not Sig

ENSG00000112237	CCNC	cyclin C		892	1051.696719	0.412175236	0.677762482	0.608141122	0.543093881	0.999371363	Not Sig
ENSG00000143303	RRNAD1	ribosomal RNA adenine dimethylase domain containing 1		51093	754.0139861	0.412185726	0.553675403	0.744453742	0.456602017	0.999371363	Not Sig
ENSG00000198643	FAM3D	family with sequence similarity 3 member D		131177	72.27882263	0.412261134	1.029654333	0.400387897	0.688870837	0.999371363	Not Sig
ENSG00000116062	MSH6	mutS homolog 6		2956	1369.777457	0.412345783	0.43958728	0.938029378	0.348229313	0.999371363	Not Sig
ENSG00000120451	SNX19	sorting nexin 19		399979	2714.424373	0.412349317	0.442332886	0.932214923	0.351225465	0.999371363	Not Sig
ENSG00000173349	SFT2D3	SFT2 domain containing 3		84826	284.3385013	0.412378849	0.533409554	0.773099856	0.439463287	0.999371363	Not Sig
ENSG00000230648	NA	NA	NA		3.469989175	0.412399349	1.432674474	0.287852793	0.773459424	NA	NA
ENSG00000155984	NA	NA	NA		126.6904161	0.41242928	0.545260689	0.75638917	0.449415899	0.999371363	Not Sig
ENSG00000173876	NA	NA	NA		7.048818289	0.412619654	1.193488774	0.345725626	0.729548924	0.999371363	Not Sig
ENSG00000137166	FOXP4	forkhead box P4		116113	2791.011194	0.412727531	0.64723188	0.637681091	0.523681297	0.999371363	Not Sig
ENSG00000108179	PPIF	peptidylprolyl isomerase F		10105	662.8758693	0.412779218	0.401213783	1.028826115	0.303561392	0.999371363	Not Sig
ENSG00000077235	GTF3C1	general transcription factor IIIC subunit 1		2975	3569.618643	0.412786067	0.485366887	0.850461944	0.39506831	0.999371363	Not Sig
ENSG00000213188	NA	NA	NA		5.862310407	0.413307701	1.45603718	0.283857931	0.776519257	NA	NA
ENSG00000175854	SWI5	SWI5 homologous recombination repair protein		375757	191.3674618	0.413508682	0.562207549	0.735508946	0.462029594	0.999371363	Not Sig
ENSG00000171843	MLLT3	MLLT3, super elongation complex subunit		4300	555.16121	0.413527304	0.801780727	0.515761092	0.60602128	0.999371363	Not Sig
ENSG00000225822	NA	NA	NA		9.777155339	0.413553463	1.003302248	0.412192302	0.680198479	0.999371363	Not Sig
ENSG00000272831	NA	NA	NA		124.7747189	0.413800159	0.6559658	0.630825813	0.528154424	0.999371363	Not Sig
ENSG00000198711	SSBP3-AS1	SSBP3 antisense RNA 1		619518	3.512046109	0.413874697	1.303858063	0.317423122	0.750922565	NA	NA
ENSG00000211460	TSN	translin		7247	943.1030824	0.414012292	0.416064432	0.995067736	0.319703321	0.999371363	Not Sig
ENSG00000258500	NA	NA	NA		3.359996839	0.41408166	1.351164968	0.306462697	0.759252378	NA	NA
ENSG00000223935	NA	NA	NA		14.06430189	0.414266953	1.045582446	0.396206875	0.69195242	0.999371363	Not Sig
ENSG00000095906	NUBP2	nucleotide binding protein 2		10101	713.2488291	0.414597206	0.575137875	0.720865767	0.470992107	0.999371363	Not Sig
ENSG00000162373	BEND5	BEN domain containing 5		79656	90.93124457	0.41461486	0.763813576	0.542822061	0.587252322	0.999371363	Not Sig
ENSG00000106049	HIBADH	3-hydroxyisobutyrate dehydrogenase		11112	948.4324871	0.414723853	0.498674236	0.831652856	0.405604918	0.999371363	Not Sig
ENSG00000213300	NA	NA	NA		13.33599655	0.414954413	0.836763999	0.495903759	0.619962314	0.999371363	Not Sig
ENSG00000268032	NA	NA	NA		8.75166944	0.414968978	0.866554094	0.478872561	0.632029292	0.999371363	Not Sig
ENSG00000231784	DBIL5P	diazepam binding inhibitor-like 5, pseudogene		100131454	7.957309974	0.415373979	0.980271873	0.423733446	0.67176022	0.999371363	Not Sig
ENSG00000215190	GUSBP1	glucuronidase, beta pseudogene 1		728411	262.5810112	0.415514349	0.452953976	0.917343419	0.358962712	0.999371363	Not Sig
ENSG00000215190	LINC00680	long intergenic non-protein coding RNA 680		106660612	262.5810112	0.415514349	0.452953976	0.917343419	0.358962712	0.999371363	Not Sig
ENSG00000183199	NA	NA	NA		12.02611873	0.415694652	0.995523037	0.417564071	0.676265871	0.999371363	Not Sig
ENSG00000166710	B2M	beta-2-microglobulin		567	38792.29048	0.41579449	0.854504837	0.486591149	0.626548097	0.999371363	Not Sig
ENSG00000174446	SNAPC5	small nuclear RNA activating complex polypeptide 5		10302	227.3068463	0.416021506	0.453320674	0.917720127	0.358765408	0.999371363	Not Sig
ENSG00000124529	NA	NA	NA		630.6310128	0.41615527	0.46851315	0.888246724	0.374408051	0.999371363	Not Sig
ENSG00000163565	IFI16	interferon gamma inducible protein 16		3428	2414.834159	0.416164815	0.502606959	0.828012442	0.407663454	0.999371363	Not Sig
ENSG00000105501	SIGLEC5	sialic acid binding Ig like lectin 5		8778	9.958845242	0.41643879	1.187334665	0.350734129	0.725787819	0.999371363	Not Sig

ENSG00000136485	DCAF7	DDB1 and CUL4 associated factor 7	10238	3413.745902	0.416511191	0.43263564	0.962729726	0.335683175	0.999371363	Not Sig
ENSG00000236137	LOC101929099	uncharacterized LOC101929099	101929099	9.900139496	0.416674816	1.14312746	0.364504249	0.715481502	0.999371363	Not Sig
ENSG00000112167	SAYS1	SAYS1 motif domain containing 1	55776	330.8386872	0.416877141	0.465558812	0.895433897	0.370555187	0.999371363	Not Sig
ENSG00000101844	ATG4A	autophagy related 4A cysteine peptidase	115201	279.4656707	0.417161792	0.607158129	0.687072728	0.492036899	0.999371363	Not Sig
ENSG00000166979	EVA1C	eva-1 homolog C	59271	870.3093164	0.417716227	0.631375092	0.661597572	0.508229164	0.999371363	Not Sig
ENSG00000241490	LOC107986115	uncharacterized LOC107986115	107986115	14.52558549	0.417763086	1.14735891	0.36410846	0.715777019	0.999371363	Not Sig
ENSG00000063241	ISOC2	isochorismatase domain containing 2	79763	441.4475224	0.417941761	0.586865861	0.712158925	0.476366369	0.999371363	Not Sig
ENSG00000121966	CXCR4	C-X-C motif chemokine receptor 4	7852	1146.748962	0.418112689	0.821397375	0.509026084	0.610733941	0.999371363	Not Sig
ENSG00000152127	MGAT5	mannosyl (alpha-1,6)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase	4249	2263.087008	0.418117082	0.42494393	0.983934709	0.325147617	0.999371363	Not Sig
ENSG00000139182	CLSTN3	calsyntenin 3	9746	1497.179055	0.418312278	0.464349045	0.90085741	0.367664138	0.999371363	Not Sig
ENSG00000125459	MSTO1	misato 1, mitochondrial distribution and morphology regulator	55154	305.7482478	0.418406508	0.559053459	0.748419496	0.454207167	0.999371363	Not Sig
ENSG00000269388	NA	NA	NA	17.50580754	0.418480834	0.795801243	0.525860996	0.598984791	0.999371363	Not Sig
ENSG00000198369	SPRED2	sprouty related EVH1 domain containing 2	200734	1543.771854	0.418569701	0.407392335	1.027436369	0.304215034	0.999371363	Not Sig
ENSG00000174111	NA	NA	NA	434.6983306	0.418682714	0.569802667	0.734785459	0.462470164	0.999371363	Not Sig
ENSG00000185442	FAM174B	family with sequence similarity 174 member B	400451	972.1635468	0.419156982	0.583202506	0.718716017	0.472315912	0.999371363	Not Sig
ENSG00000135525	MAP7	microtubule associated protein 7	9053	1432.019362	0.41916447	0.559874306	0.748676025	0.454052497	0.999371363	Not Sig
ENSG00000110011	DNAJC4	DnaJ heat shock protein family (Hsp40) member C4	3338	509.7381618	0.419201199	0.428291787	0.978774779	0.327691274	0.999371363	Not Sig
ENSG00000239614	NA	NA	NA	2.124070474	0.419332861	1.795646131	0.233527561	0.815351771	NA	NA
ENSG00000224124	NA	NA	NA	2.303298187	0.419769401	2.13542938	0.196573769	0.8441611	NA	NA
ENSG00000142235	LMTK3	lemur tyrosine kinase 3	114783	350.2080094	0.420022991	0.55756175	0.753321028	0.451257026	0.999371363	Not Sig
ENSG00000178821	TMEM52	transmembrane protein 52	339456	22.74391438	0.420220457	0.759806758	0.553062278	0.580220765	0.999371363	Not Sig
ENSG00000136688	IL36G	interleukin 36 gamma	56300	3.034438332	0.42043871	1.95822566	0.214703912	0.829998172	NA	NA
ENSG00000143222	UFC1	ubiquitin-fold modifier conjugating enzyme 1	51506	1063.533738	0.420488018	0.462487679	0.909187503	0.36325116	0.999371363	Not Sig
ENSG00000241229	NA	NA	NA	4.554735622	0.420530822	1.27670485	0.329387659	0.741862694	NA	NA
ENSG00000211637	NA	NA	NA	108.4336412	0.420673168	0.875299335	0.480604921	0.630797318	0.999371363	Not Sig
ENSG00000143398	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase type 1 alpha	8394	1770.990547	0.420864952	0.50287452	0.836918427	0.402638422	0.999371363	Not Sig
ENSG00000230001	NA	NA	NA	21.94594883	0.420919044	0.906180735	0.464497895	0.642291068	0.999371363	Not Sig
ENSG00000168135	KCNJ4	potassium voltage-gated channel subfamily J member 4	3761	0.83667669	0.421022491	2.457221061	0.171340909	0.863955715	NA	NA
ENSG00000269145	NA	NA	NA	0.83667669	0.421022491	2.457221061	0.171340909	0.863955715	NA	NA
ENSG00000140497	SCAMP2	secretory carrier membrane protein 2	10066	2645.847693	0.421109288	0.518702517	0.811851252	0.416876989	0.999371363	Not Sig
ENSG00000201643	SNORA14A	small nucleolar RNA, H/ACA box 14A	677801	3.614764421	0.421322927	1.371640581	0.307167149	0.758716149	NA	NA
ENSG00000128708	HAT1	histone acetyltransferase 1	8520	498.8545605	0.421385339	0.453794672	0.928581505	0.353106011	0.999371363	Not Sig
ENSG00000014216	CAPN1	calpain 1	823	4112.902727	0.421665163	0.497958114	0.846788415	0.397113066	0.999371363	Not Sig
ENSG00000116793	PHTF1	putative homeodomain transcription factor 1	10745	572.5195351	0.422103257	0.495878673	0.85122285	0.394645572	0.999371363	Not Sig
ENSG00000212232	SNORD17	small nucleolar RNA, C/D box 17	692086	1108.621975	0.422457851	0.674187324	0.626617909	0.530909726	0.999371363	Not Sig

ENSG00000111832	RWDD1	RWD domain containing 1	51389	620.0627605	0.422512662	0.430796188	0.98077159	0.326705391	0.999371363	Not Sig
ENSG00000155115	GTF3C6	general transcription factor IIIC subunit 6	112495	387.3182894	0.42279526	0.453528431	0.932235403	0.351214883	0.999371363	Not Sig
ENSG00000204370	SDHD	succinate dehydrogenase complex subunit D	6392	649.8975922	0.422944488	0.548174969	0.771550165	0.4403809	0.999371363	Not Sig
ENSG00000131188	PRR7	proline rich 7, synaptic	80758	69.59464607	0.422965064	0.778186769	0.543526414	0.58676741	0.999371363	Not Sig
ENSG00000162927	PUS10	pseudouridylate synthase 10	150962	251.1529006	0.423065576	0.514079254	0.822957885	0.410531943	0.999371363	Not Sig
ENSG00000167553	TUBA1C	tubulin alpha 1c	84790	1720.989313	0.423065711	0.487103702	0.868533145	0.385102535	0.999371363	Not Sig
ENSG00000229700	NA	NA	NA	1.309723104	0.423261396	2.440419239	0.173437985	0.86230717	NA	NA
ENSG00000254400	NA	NA	NA	5.816672418	0.423485304	1.099534699	0.385149559	0.700126612	NA	NA
ENSG00000073756	PTGS2	prostaglandin-endoperoxide synthase 2	5743	1668.003632	0.423584961	0.653124021	0.648552109	0.516627919	0.999371363	Not Sig
ENSG00000060558	GNA15	G protein subunit alpha 15	2769	539.6962385	0.423606514	0.660876759	0.640976563	0.52153791	0.999371363	Not Sig
ENSG00000179627	ZBTB42	zinc finger and BTB domain containing 42	100128927	589.1326925	0.423613701	0.563879156	0.751249086	0.452502764	0.999371363	Not Sig
ENSG00000173156	RHOD	ras homolog family member D	29984	301.7719973	0.42370015	0.610427658	0.694103788	0.487617123	0.999371363	Not Sig
ENSG00000124107	SLPI	secretory leukocyte peptidase inhibitor	6590	4217.809833	0.423713751	0.868597841	0.487813498	0.625681949	0.999371363	Not Sig
ENSG00000143319	ISG20L2	interferon stimulated exonuclease gene 20 like 2	81875	741.6646575	0.424038086	0.442954357	0.957295215	0.33841827	0.999371363	Not Sig
ENSG00000182636	NDN	necdin, MAGE family member	4692	375.2586918	0.424212035	0.733217227	0.578562558	0.562884375	0.999371363	Not Sig
ENSG00000243444	PALM2	paralemmin 2	114299	81.71229896	0.42430377	0.706641247	0.600451462	0.5482054	0.999371363	Not Sig
ENSG00000141956	PRDM15	PR/SET domain 15	63977	475.7018887	0.424384106	0.490189795	0.865754672	0.386624711	0.999371363	Not Sig
ENSG00000004779	NDUFAB1	NADH:ubiquinone oxidoreductase subunit ABI	4706	487.9332502	0.424530258	0.487210783	0.871348238	0.383564039	0.999371363	Not Sig
ENSG00000171345	KRT19	keratin 19	3880	6041.152094	0.424565091	0.411104937	1.032741407	0.30172493	0.999371363	Not Sig
ENSG00000114867	EIF4G1	eukaryotic translation initiation factor 4 gamma 1	1981	11181.51637	0.425009313	0.418520195	1.01550491	0.309865207	0.999371363	Not Sig
ENSG00000156853	ZNF689	zinc finger protein 689	115509	274.7675922	0.425023395	0.647321281	0.656588015	0.511445857	0.999371363	Not Sig
ENSG00000143036	SLC44A3	solute carrier family 44 member 3	126969	674.2495483	0.425198574	0.660259513	0.643987046	0.519583834	0.999371363	Not Sig
ENSG00000179954	SSC5D	scavenger receptor cysteine rich family member with 5 domains	284297	879.0247891	0.425371066	0.607304061	0.700425197	0.483661805	0.999371363	Not Sig
ENSG00000068097	HEATR6	HEAT repeat containing 6	63897	605.4206592	0.425540775	0.419458062	1.01450136	0.310343581	0.999371363	Not Sig
ENSG00000163376	KBTBD8	kelch repeat and BTB domain containing 8	84541	107.1198912	0.425695005	0.871489287	0.488468432	0.625218081	0.999371363	Not Sig
ENSG00000201376	NA	NA	NA	2.652625091	0.426070332	1.609897325	0.264656836	0.791273832	NA	NA
ENSG00000225203	NA	NA	NA	3.327798263	0.426076966	1.555295416	0.273952435	0.784121175	NA	NA
ENSG00000087842	PIR	pirin	8544	275.0620227	0.426230846	0.66567235	0.640301263	0.52197676	0.999371363	Not Sig
ENSG00000184216	IRAK1	interleukin 1 receptor associated kinase 1	3654	2225.672653	0.42640454	0.598417445	0.712553658	0.476121997	0.999371363	Not Sig
ENSG00000162620	LRRIQ3	leucine rich repeats and IQ motif containing 3	127255	12.67588944	0.426436614	1.050099794	0.406091513	0.684675361	0.999371363	Not Sig
ENSG00000107099	DOCK8	dedicator of cytokinesis 8	81704	3161.386299	0.426458778	0.756123093	0.56400708	0.572749314	0.999371363	Not Sig
ENSG00000186318	BACE1	beta-secretase 1	23621	967.785106	0.426660454	0.625286503	0.682343937	0.495021496	0.999371363	Not Sig
ENSG00000226849	NA	NA	NA	14.77471544	0.42682651	0.950041553	0.449271412	0.653235878	0.999371363	Not Sig
ENSG00000075131	TIPIN	TIMELESS interacting protein	54962	96.74366092	0.426835893	0.535361864	0.79728483	0.425285629	0.999371363	Not Sig
ENSG00000224331	NA	NA	NA	19.87117361	0.427082484	0.673386667	0.634230681	0.525930288	0.999371363	Not Sig

ENSG00000267959	MIR3188	microRNA 3188	100422833	10.01019081	0.427186015	1.178467193	0.362492921	0.716983712	0.999371363	Not Sig
ENSG00000215271	HOMEZ	homeobox and leucine zipper encoding	57594	476.2977083	0.427274339	0.43378327	0.98499497	0.324626542	0.999371363	Not Sig
ENSG00000177465	ACOT4	acyl-CoA thioesterase 4	122970	69.83627955	0.427297345	0.607871171	0.702940632	0.482092748	0.999371363	Not Sig
ENSG00000011478	QPCTL	glutaminyl-peptide cyclotransferase like	54814	172.5729118	0.427644103	0.481594046	0.887976307	0.374553496	0.999371363	Not Sig
ENSG00000240087	NA	NA	NA	1.551615615	0.427994702	2.334323033	0.183348532	0.854524556	NA	NA
ENSG00000155324	GRAMD2B	GRAM domain containing 2B	65983	830.4136496	0.428187856	0.604008159	0.708910715	0.478379885	0.999371363	Not Sig
ENSG00000239953	NA	NA	NA	1.213182037	0.428768489	2.491710158	0.172077995	0.863376212	NA	NA
ENSG00000256013	NA	NA	NA	1.213182037	0.428768489	2.491710158	0.172077995	0.863376212	NA	NA
ENSG00000205592	NA	NA	NA	6.477802508	0.428776619	1.356790229	0.316022779	0.751985218	NA	NA
ENSG00000141384	TAF4B	TATA-box binding protein associated factor 4b	6875	173.6593775	0.428887486	0.601171858	0.713419101	0.475586457	0.999371363	Not Sig
ENSG00000126768	TIMM17B	translocase of inner mitochondrial membrane 17B	10245	479.0560535	0.429108118	0.46681867	0.919217985	0.357981566	0.999371363	Not Sig
ENSG00000124574	ABCC10	ATP binding cassette subfamily C member 10	89845	859.3983199	0.42956818	0.52869008	0.812514166	0.416496662	0.999371363	Not Sig
ENSG00000153201	RANBP2	RAN binding protein 2	5903	6544.84781	0.429713529	0.415316642	1.034664846	0.300825459	0.999371363	Not Sig
ENSG00000224614	NA	NA	NA	5.17339377	0.429766243	1.350026059	0.31833922	0.750227637	NA	NA
ENSG00000238658	NA	NA	NA	1.589947674	0.429803719	1.764434229	0.243592939	0.807546097	NA	NA
ENSG00000240891	PLCXD2	phosphatidylinositol specific phospholipase C X domain containing 2	257068	46.9610893	0.42981675	0.947483038	0.453640574	0.650087545	0.999371363	Not Sig
ENSG00000199787	SNORA80C	small nucleolar RNA, H/ACA box 80C	109616959	1.791919714	0.429849997	2.223406076	0.193329505	0.84670092	NA	NA
ENSG00000256238	NA	NA	NA	2.507013357	0.430438465	1.493918066	0.288127224	0.773249354	NA	NA
ENSG00000112992	NNT	nicotinamide nucleotide transhydrogenase	23530	1574.786572	0.43052549	0.480623934	0.895763733	0.370378963	0.999371363	Not Sig
ENSG00000139410	SDSL	serine dehydratase like	113675	178.2629357	0.430956316	0.449883834	0.957927989	0.338099072	0.999371363	Not Sig
ENSG00000161328	LRRC56	leucine rich repeat containing 56	115399	163.5103029	0.43105239	0.619360853	0.695963247	0.486451847	0.999371363	Not Sig
ENSG00000174032	SLC25A30	solute carrier family 25 member 30	253512	444.9260138	0.43153039	0.518804343	0.831778677	0.405533882	0.999371363	Not Sig
ENSG00000249908	NA	NA	NA	19.00864093	0.431538061	1.169367134	0.369035565	0.712101216	0.999371363	Not Sig
ENSG00000188760	TMEM198	transmembrane protein 198	130612	46.98456452	0.431778637	0.564147429	0.765364894	0.444054291	0.999371363	Not Sig
ENSG00000273254	NA	NA	NA	3.917274548	0.431805659	1.328967841	0.324918065	0.745243084	NA	NA
ENSG00000187240	DYNC2H1	dynein cytoplasmic 2 heavy chain 1	79659	1637.047553	0.431851221	0.636853066	0.678101816	0.497707139	0.999371363	Not Sig
ENSG00000211694	NA	NA	NA	12.61978942	0.432115018	1.227268187	0.352095021	0.724767002	0.999371363	Not Sig
ENSG00000124203	ZNF831	zinc finger protein 831	128611	225.8450695	0.432367445	0.864834326	0.499942512	0.617115557	0.999371363	Not Sig
ENSG00000053328	METTL24	methyltransferase like 24	728464	44.81700031	0.432386452	0.739524224	0.584681932	0.558761605	0.999371363	Not Sig
ENSG00000257681	NA	NA	NA	8.117967185	0.432534013	1.031258776	0.419423353	0.67490676	0.999371363	Not Sig
ENSG00000211714	NA	NA	NA	4.580900772	0.432790281	1.455880139	0.297270544	0.766259968	NA	NA
ENSG00000204165	CXorf65	chromosome X open reading frame 65	158830	11.30025172	0.432821778	1.348126518	0.321054272	0.748169263	0.999371363	Not Sig
ENSG00000225418	NA	NA	NA	1.972890557	0.433178317	1.670991548	0.259234296	0.795454471	NA	NA
ENSG00000213013	NA	NA	NA	0.843114226	0.433915443	2.761525252	0.157128907	0.875143256	NA	NA
ENSG00000230204	NA	NA	NA	0.843114226	0.433915443	2.761525252	0.157128907	0.875143256	NA	NA

ENSG00000263969	NA	NA	NA	0.843114226	0.433915443	2.761525252	0.157128907	0.875143256	NA	NA
ENSG00000006715	VPS41	VPS41, HOPS complex subunit	27072	2423.062057	0.433997082	0.406711426	1.067088491	0.285931879	0.999371363	Not Sig
ENSG00000206077	ZDHC11B	zinc finger DHHC-type containing 11B	653082	294.8065495	0.434063428	1.037265314	0.418469048	0.675604212	0.999371363	Not Sig
ENSG00000162813	BPNT1	3' (2'), 5'-bisphosphate nucleotidase 1	10380	570.9644682	0.434311686	0.493125825	0.880731984	0.378462901	0.999371363	Not Sig
ENSG00000132470	ITGB4	integrin subunit beta 4	3691	4571.16467	0.43438517	0.564283709	0.76979924	0.44141899	0.999371363	Not Sig
ENSG00000176974	SHMT1	serine hydroxymethyltransferase 1	6470	554.5423523	0.434710442	0.489906039	0.887334319	0.374898934	0.999371363	Not Sig
ENSG00000092931	MFSD11	major facilitator superfamily domain containing 11	79157	637.6029633	0.434865416	0.389753211	1.115745563	0.264531061	0.999371363	Not Sig
ENSG00000240385	NA	NA	NA	1.72456051	0.435638034	1.760978857	0.247384023	0.804611038	NA	NA
ENSG00000201600	NA	NA	NA	1.348055163	0.435965652	2.121997147	0.205450631	0.837220066	NA	NA
ENSG00000150627	WDR17	WD repeat domain 17	116966	116.7790713	0.436285268	0.976979919	0.446565236	0.655189001	0.999371363	Not Sig
ENSG00000181634	TNFSF15	TNF superfamily member 15	9966	691.260255	0.436313071	0.598293324	0.729262811	0.465840916	0.999371363	Not Sig
ENSG00000198663	C6orf89	chromosome 6 open reading frame 89	221477	2595.896191	0.436423929	0.440701917	0.990292786	0.322031032	0.999371363	Not Sig
ENSG00000130224	LRCH2	leucine rich repeats and calponin homology domain containing 2	57631	158.6424149	0.436464657	0.675331283	0.646297111	0.518086959	0.999371363	Not Sig
ENSG00000160325	CACFD1	calcium channel flower domain containing 1	11094	667.6901113	0.43649014	0.627666766	0.695417001	0.486794009	0.999371363	Not Sig
ENSG00000226121	NA	NA	NA	7.042531046	0.436601736	1.036333744	0.421294529	0.673540025	0.999371363	Not Sig
ENSG00000266473	NA	NA	NA	8.643809142	0.436881101	0.95797809	0.456044983	0.648357632	0.999371363	Not Sig
ENSG00000224722	NA	NA	NA	2.403880037	0.436887993	1.705251797	0.256201456	0.797795285	NA	NA
ENSG00000178401	DNAJC22	DnaJ heat shock protein family (Hsp40) member C22	79962	85.34737195	0.436935296	0.908504745	0.480938926	0.630559906	0.999371363	Not Sig
ENSG00000146232	NFKBIE	NFKB inhibitor epsilon	4794	464.2857844	0.437335879	0.459939929	0.950854343	0.341678321	0.999371363	Not Sig
ENSG00000177576	C18orf32	chromosome 18 open reading frame 32	497661	64.08565819	0.437836893	0.556299659	0.787052241	0.431251286	0.999371363	Not Sig
ENSG00000113552	GNPDA1	glucosamine-6-phosphate deaminase 1	10007	517.3544377	0.437861514	0.440821634	0.993284995	0.320571088	0.999371363	Not Sig
ENSG00000162298	SYVN1	synoviolin 1	84447	2384.728094	0.438039177	0.470254236	0.931494378	0.351597892	0.999371363	Not Sig
ENSG00000134153	EMC7	ER membrane protein complex subunit 7	56851	647.5174878	0.438082598	0.470176884	0.931739975	0.351470922	0.999371363	Not Sig
ENSG00000259429	UBE2Q2P2	ubiquitin conjugating enzyme E2 Q2 pseudogene 2	100134869	7.260273006	0.438138351	1.439278782	0.304415209	0.760811582	0.999371363	Not Sig
ENSG00000125398	SOX9	SRY-box 9	6662	1700.135058	0.438198022	1.103147131	0.397225365	0.691201279	0.999371363	Not Sig
ENSG00000233225	NA	NA	NA	4.737644447	0.438252684	1.16145053	0.3773322	0.705926745	NA	NA
ENSG00000229619	MBNL1-AS1	MBNL1 antisense RNA 1	401093	175.0419018	0.438643618	0.676942918	0.647977261	0.516999657	0.999371363	Not Sig
ENSG00000204934	ATP6VOE2-AS1	ATP6VOE2 antisense RNA 1	401431	42.57914314	0.438659066	0.961183225	0.456374034	0.648121034	0.999371363	Not Sig
ENSG00000007255	TRAPPC6A	trafficking protein particle complex 6A	79090	207.1331326	0.438780854	0.632077252	0.69418865	0.487563909	0.999371363	Not Sig
ENSG00000023892	DEF6	DEF6, guanine nucleotide exchange factor	50619	565.022469	0.438888565	0.534023162	0.821853051	0.411160536	0.999371363	Not Sig
ENSG00000177971	IMP3	IMP3, U3 small nucleolar ribonucleoprotein	55272	699.9816181	0.439165408	0.589114791	0.745466612	0.455989688	0.999371363	Not Sig
ENSG00000187210	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2	2650	407.6539072	0.439343513	0.573728506	0.765769016	0.443813753	0.999371363	Not Sig
ENSG00000271984	NA	NA	NA	4.062049795	0.439581756	1.411375079	0.311456368	0.755453708	NA	NA
ENSG00000171161	ZNF672	zinc finger protein 672	79894	1145.664676	0.439863173	0.528667342	0.832022595	0.405396191	0.999371363	Not Sig
ENSG00000262869	NA	NA	NA	5.157086978	0.439937396	1.380606089	0.318655263	0.749987942	NA	NA

ENSG00000257576	NA	NA	NA	6.358650156	0.440014292	1.054380967	0.417320026	0.676444343	NA	NA
ENSG00000170035	UBE2E3	ubiquitin conjugating enzyme E2 E3	10477	592.2860436	0.440090345	0.413069142	1.06541569	0.286687859	0.999371363	Not Sig
ENSG00000187189	TSPYL4	TSPY like 4	23270	562.9608598	0.440195789	0.507431414	0.867498104	0.38566915	0.999371363	Not Sig
ENSG00000260641	NA	NA	NA	44.83254175	0.440209436	0.81706511	0.538769102	0.590046186	0.999371363	Not Sig
ENSG00000091704	CPA1	carboxypeptidase A1	1357	0.753270984	0.440383198	2.82197746	0.156054825	0.875989807	NA	NA
ENSG00000174453	VWC2L	von Willebrand factor C domain containing protein 2 like	402117	0.753270984	0.440383198	2.82197746	0.156054825	0.875989807	NA	NA
ENSG00000215198	NA	NA	NA	0.753270984	0.440383198	2.82197746	0.156054825	0.875989807	NA	NA
ENSG00000225140	LOC101930421	uncharacterized LOC101930421	101930421	0.753270984	0.440383198	2.82197746	0.156054825	0.875989807	NA	NA
ENSG00000242244	NA	NA	NA	0.753270984	0.440383198	2.82197746	0.156054825	0.875989807	NA	NA
ENSG00000143344	RGL1	ral guanine nucleotide dissociation stimulator like 1	23179	1500.433357	0.440573886	0.529367006	0.832265483	0.405259109	0.999371363	Not Sig
ENSG00000163249	CCNYL1	cyclin Y like 1	151195	684.0062658	0.44067368	0.445118363	0.990014604	0.322166981	0.999371363	Not Sig
ENSG00000115233	PSMD14	proteasome 26S subunit, non-ATPase 14	10213	846.2182526	0.440769914	0.507031094	0.869315352	0.384674668	0.999371363	Not Sig
ENSG00000108344	PSMD3	proteasome 26S subunit, non-ATPase 3	5709	1947.255548	0.441378715	0.444098416	0.993875904	0.320283287	0.999371363	Not Sig
ENSG00000158715	SLC45A3	solute carrier family 45 member 3	85414	299.3852607	0.441600657	0.636295186	0.694018542	0.487670581	0.999371363	Not Sig
ENSG00000223431	NA	NA	NA	1.506541968	0.441957998	2.238005948	0.197478473	0.843453125	NA	NA
ENSG00000263740	NA	NA	NA	1023.602025	0.442034512	0.6419354	0.688596566	0.491077183	0.999371363	Not Sig
ENSG00000105655	ISYNA1	inositol-3-phosphate synthase 1	51477	504.4163883	0.442097403	0.650825124	0.679287548	0.496955685	0.999371363	Not Sig
ENSG00000168374	ARF4	ADP ribosylation factor 4	378	3051.524434	0.442098735	0.660216361	0.669627051	0.503095565	0.999371363	Not Sig
ENSG00000140259	MFAP1	microfibril associated protein 1	4236	635.349609	0.442111695	0.434813061	1.016785683	0.309255395	0.999371363	Not Sig
ENSG00000112293	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	2822	146.9680035	0.442117679	0.687191198	0.643369241	0.519984537	0.999371363	Not Sig
ENSG00000066654	THUMPD1	THUMP domain containing 1	55623	1612.876569	0.442145338	0.448473209	0.985890192	0.324187	0.999371363	Not Sig
ENSG00000117010	ZNF684	zinc finger protein 684	127396	81.51894318	0.442299565	0.523260816	0.845275534	0.397957018	0.999371363	Not Sig
ENSG00000178718	RPP25	ribonuclease P and MRP subunit p25	54913	255.7960746	0.442914354	0.729240596	0.60736382	0.543609494	0.999371363	Not Sig
ENSG00000108389	MTMR4	myotubularin related protein 4	9110	1707.269607	0.442929904	0.416536354	1.063364336	0.28761676	0.999371363	Not Sig
ENSG00000189241	TSPYL1	TSPY like 1	7259	2624.50593	0.44297866	0.501151864	0.883921006	0.376738857	0.999371363	Not Sig
ENSG00000129925	TMEM8A	transmembrane protein 8A	58986	2027.810879	0.443121111	0.474235974	0.934389493	0.350103016	0.999371363	Not Sig
ENSG00000164023	SGMS2	sphingomyelin synthase 2	166929	2250.287412	0.443137969	0.488865623	0.906461711	0.364691522	0.999371363	Not Sig
ENSG00000196262	PPIA	peptidylprolyl isomerase A	5478	10031.16553	0.443190838	0.424202224	1.044763118	0.296132465	0.999371363	Not Sig
ENSG00000129007	CALML4	calmodulin like 4	91860	228.5574367	0.443252181	0.532712098	0.832067044	0.405371103	0.999371363	Not Sig
ENSG00000177272	KCNA3	potassium voltage-gated channel subfamily A member 3	3738	578.3364185	0.44325646	0.948221819	0.467460726	0.640170284	0.999371363	Not Sig
ENSG00000224802	NA	NA	NA	14.05778387	0.443388856	0.786545096	0.563717018	0.572946734	0.999371363	Not Sig
ENSG00000132122	SPATA6	spermatogenesis associated 6	54558	506.1799659	0.44350098	0.549591773	0.806964372	0.41968701	0.999371363	Not Sig
ENSG00000169282	KCNAB1	potassium voltage-gated channel subfamily A member regulatory beta subunit 1	7881	46.19946991	0.443569021	1.098408379	0.403828876	0.686338561	0.999371363	Not Sig
ENSG00000047230	CTPS2	CTP synthase 2	56474	910.7068326	0.444087227	0.551349981	0.805454326	0.420557553	0.999371363	Not Sig
ENSG00000062725	APPBP2	amyloid beta precursor protein binding protein 2	10513	1401.16431	0.444169012	0.417786905	1.063147282	0.287715165	0.999371363	Not Sig

ENSG00000104043	ATP8B4	ATPase phospholipid transporting 8B4 (putative)	79895	398.0902885	0.444174217	0.80674542	0.550575443	0.581924747	0.999371363	Not Sig
ENSG00000183684	ALYREF	Aly/REF export factor	10189	952.1147549	0.44432748	0.531188794	0.836477511	0.402886323	0.999371363	Not Sig
ENSG00000063180	CA11	carbonic anhydrase 11	770	129.6000221	0.444376036	0.872524522	0.509299195	0.610542522	0.999371363	Not Sig
ENSG00000197296	FITM2	fat storage inducing transmembrane protein 2	128486	321.649746	0.444661499	0.461115086	0.964317829	0.334886605	0.999371363	Not Sig
ENSG00000264219	NA	NA	NA	8.844048829	0.445056831	0.880687032	0.505351861	0.613311723	0.999371363	Not Sig
ENSG00000149547	EI24	EI24, autophagy associated transmembrane protein	9538	1453.208279	0.445371674	0.415049827	1.07305592	0.283246027	0.999371363	Not Sig
ENSG00000258684	NA	NA	NA	4.138453623	0.445489422	1.464625107	0.304166178	0.761001291	NA	NA
ENSG00000230067	NA	NA	NA	2.679543244	0.445718712	1.783529796	0.249908195	0.802658346	NA	NA
ENSG00000110721	CHKA	choline kinase alpha	1119	878.0726677	0.445771941	0.457844128	0.973632539	0.330239024	0.999371363	Not Sig
ENSG00000177485	ZBTB33	zinc finger and BTB domain containing 33	10009	873.7854798	0.44578411	0.602334069	0.740094465	0.459242677	0.999371363	Not Sig
ENSG00000085465	OVGP1	oviductal glycoprotein 1	5016	88.50899283	0.445838136	0.739478743	0.602908657	0.546569456	0.999371363	Not Sig
ENSG00000103522	IL21R	interleukin 21 receptor	50615	319.5201089	0.445868113	0.59670983	0.747210939	0.454936242	0.999371363	Not Sig
ENSG00000225025	NA	NA	NA	2.973057893	0.445893288	1.980482019	0.22514382	0.821867392	NA	NA
ENSG00000188316	ENO4	enolase family member 4	387712	25.06498784	0.446604767	0.740531571	0.603086734	0.546450991	0.999371363	Not Sig
ENSG00000231292	NA	NA	NA	5.549440347	0.446696385	1.454495728	0.307114264	0.758756401	NA	NA
ENSG00000182518	FAM104B	family with sequence similarity 104 member B	90736	126.1382418	0.447174552	0.652477288	0.685348839	0.49312382	0.999371363	Not Sig
ENSG00000120053	GOT1	glutamic-oxaloacetic transaminase 1	2805	602.6435199	0.447244722	0.515995783	0.866760421	0.386073292	0.999371363	Not Sig
ENSG00000267566	NA	NA	NA	1.567203347	0.447374548	2.027437165	0.22066013	0.825357078	NA	NA
ENSG00000180425	C11orf71	chromosome 11 open reading frame 71	54494	110.8421149	0.447404524	0.547231643	0.817577948	0.413598224	0.999371363	Not Sig
ENSG00000129187	DCTD	dCMP deaminase	1635	1004.894702	0.447795626	0.485173971	0.922958883	0.356028633	0.999371363	Not Sig
ENSG00000225907	NA	NA	NA	17.07057023	0.447803356	0.816264383	0.548600876	0.583279384	0.999371363	Not Sig
ENSG00000259051	NA	NA	NA	1.354492698	0.447830991	2.084097809	0.214880026	0.829860858	NA	NA
ENSG00000168710	AHCYL1	adenosylhomocysteinase like 1	10768	3104.262583	0.447874978	0.445410892	1.005532164	0.31464067	0.999371363	Not Sig
ENSG00000225471	NA	NA	NA	36.74967755	0.448143171	0.728614352	0.615062234	0.538513622	0.999371363	Not Sig
ENSG00000256020	NA	NA	NA	6.967754957	0.448217456	1.088218696	0.411881782	0.680426074	0.999371363	Not Sig
ENSG00000271321	CTAGE6	CTAGE family member 6	340307	4.666853522	0.448306365	1.184979304	0.378324215	0.705189759	NA	NA
ENSG00000168439	STIP1	stress induced phosphoprotein 1	10963	2190.96616	0.448433502	0.508825717	0.881310607	0.378149727	0.999371363	Not Sig
ENSG00000237846	NA	NA	NA	1.466361207	0.44857393	2.735556803	0.163979022	0.869747658	NA	NA
ENSG00000198793	MTOR	mechanistic target of rapamycin kinase	2475	2719.823534	0.448661749	0.445081527	1.008043969	0.313433355	0.999371363	Not Sig
ENSG00000136271	DDX56	DEAD-box helicase 56	54606	1074.902862	0.448676028	0.455946712	0.984053654	0.325089133	0.999371363	Not Sig
ENSG00000229057	NA	NA	NA	0.88788382	0.449137402	2.736197677	0.164146547	0.869615779	NA	NA
ENSG00000265359	NA	NA	NA	0.88788382	0.449137402	2.736197677	0.164146547	0.869615779	NA	NA
ENSG00000147130	ZMYM3	zinc finger MYM-type containing 3	9203	1216.336353	0.449199104	0.39540215	1.136056299	0.255933003	0.999371363	Not Sig
ENSG00000230729	NA	NA	NA	5.176703638	0.449311136	1.671213403	0.268853239	0.788042622	NA	NA
ENSG00000162069	BICDL2	BICD family like cargo adaptor 2	146439	791.2448395	0.44948995	0.579852345	0.775180015	0.438233296	0.999371363	Not Sig

ENSG00000140284	SLC27A2	solute carrier family 27 member 2	11001	187.0432587	0.449706221	0.655290858	0.686269639	0.49254309	0.999371363	Not Sig
ENSG00000186310	NAP1L3	nucleosome assembly protein 1 like 3	4675	48.17327828	0.449953858	0.670650751	0.670921277	0.502270681	0.999371363	Not Sig
ENSG00000237007	NA	NA	NA	3.649510042	0.449992175	1.416271004	0.317730275	0.750689545	NA	NA
ENSG00000177854	TMEM187	transmembrane protein 187	8269	126.010356	0.450318439	0.584465372	0.770479246	0.441015662	0.999371363	Not Sig
ENSG00000184040	NA	NA	NA	12.73254495	0.450557588	0.988631761	0.455738532	0.64857801	0.999371363	Not Sig
ENSG00000233254	NA	NA	NA	1.455074549	0.450583652	2.71290818	0.166088796	0.868087071	NA	NA
ENSG00000145217	SLC26A1	solute carrier family 26 member 1	10861	32.06165885	0.450608021	0.833351292	0.540717972	0.588701989	0.999371363	Not Sig
ENSG00000015676	NUDCD3	NudC domain containing 3	23386	2291.037759	0.450936611	0.525146179	0.858687788	0.39051279	0.999371363	Not Sig
ENSG00000091622	PITPNM3	PITPNM family member 3	83394	788.8314744	0.451029621	0.560815927	0.804238253	0.421259391	0.999371363	Not Sig
ENSG00000166326	TRIM44	tripartite motif containing 44	54765	2172.169555	0.451111661	0.4294203	1.050513125	0.29348226	0.999371363	Not Sig
ENSG00000182000	NA	NA	NA	2.68598078	0.451127947	1.783748836	0.252910016	0.800337749	NA	NA
ENSG00000162889	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2	9261	3135.028068	0.451683598	0.491701682	0.918613083	0.358297987	0.999371363	Not Sig
ENSG00000159346	ADIPOR1	adiponectin receptor 1	51094	3215.290243	0.451793011	0.446475136	1.011910797	0.311580706	0.999371363	Not Sig
ENSG00000103356	EARS2	glutamyl-tRNA synthetase 2, mitochondrial	124454	733.5514676	0.45194923	0.407905009	1.107976661	0.267871896	0.999371363	Not Sig
ENSG00000102981	PARD6A	par-6 family cell polarity regulator alpha	50855	69.09871908	0.45209331	0.76113367	0.593973606	0.552529767	0.999371363	Not Sig
ENSG00000196976	LAGE3	L antigen family member 3	8270	166.9828542	0.452577682	0.548045669	0.825802862	0.40891593	0.999371363	Not Sig
ENSG00000242095	NA	NA	NA	6.98302678	0.45260235	0.945415417	0.478733837	0.632127991	0.999371363	Not Sig
ENSG00000225556	C2CD4D	C2 calcium dependent domain containing 4D	100191040	26.61130878	0.452805451	0.707004296	0.640456435	0.521875903	0.999371363	Not Sig
ENSG00000224520	NA	NA	NA	4.259881952	0.452985565	1.267977344	0.35725052	0.720904269	NA	NA
ENSG00000135372	NAT10	N-acetyltransferase 10	55226	1307.686135	0.453097806	0.420636076	1.077172957	0.281403004	0.999371363	Not Sig
ENSG00000125510	OPRL1	opioid related nociceptin receptor 1	4987	86.45417909	0.453395922	0.650131546	0.697391051	0.4855581	0.999371363	Not Sig
ENSG00000141431	ASXL3	additional sex combs like 3, transcriptional regulator	80816	60.08902887	0.453422371	0.628827374	0.721060167	0.470872497	0.999371363	Not Sig
ENSG00000130517	PGPEP1	pyroglutamyl-peptidase I	54858	1097.337867	0.453438507	0.599039435	0.756942666	0.449084212	0.999371363	Not Sig
ENSG00000171467	ZNF318	zinc finger protein 318	24149	1109.688756	0.453582036	0.426178001	1.064301853	0.287191979	0.999371363	Not Sig
ENSG00000150893	FREM2	FRAS1 related extracellular matrix protein 2	341640	1312.052615	0.454064554	0.85167429	0.533143432	0.593934296	0.999371363	Not Sig
ENSG00000184378	ACTRT3	actin related protein T3	84517	35.81825147	0.454784348	0.695673484	0.653732474	0.513284178	0.999371363	Not Sig
ENSG00000240342	NA	NA	NA	417.2346505	0.454809558	0.524893778	0.866479233	0.38622741	0.999371363	Not Sig
ENSG00000271817	NA	NA	NA	5.817631051	0.455051652	1.061006916	0.428886603	0.66800575	NA	NA
ENSG00000132591	ERAL1	Era like 12S mitochondrial rRNA chaperone 1	26284	505.5200615	0.455383296	0.44831248	1.015772072	0.309737938	0.999371363	Not Sig
ENSG00000096080	MRPS18A	mitochondrial ribosomal protein S18A	55168	406.8331262	0.455756711	0.481442175	0.94664891	0.343817712	0.999371363	Not Sig
ENSG00000260361	NA	NA	NA	45.18975273	0.455788587	0.545161202	0.83606204	0.403120002	0.999371363	Not Sig
ENSG00000160223	ICOSLG	inducible T-cell costimulator ligand	23308	558.3173707	0.455958508	0.690993419	0.659859408	0.509344055	0.999371363	Not Sig
ENSG00000116922	C1orf109	chromosome 1 open reading frame 109	54955	375.7205788	0.456347373	0.527694196	0.864795134	0.387151242	0.999371363	Not Sig
ENSG00000214812	NA	NA	NA	3.548667902	0.457076869	1.426511542	0.320415823	0.748653133	NA	NA
ENSG00000186866	POFUT2	protein O-fucosyltransferase 2	23275	962.2443127	0.457205992	0.498405315	0.917337714	0.358965701	0.999371363	Not Sig

ENSG00000141873	SLC39A3	solute carrier family 39 member 3	29985	307.1146453	0.457254184	0.784878701	0.582579427	0.560176458	0.999371363	Not Sig
ENSG00000173898	SPTBN2	spectrin beta, non-erythrocytic 2	6712	1438.997355	0.4572876	0.741168047	0.616982346	0.53724637	0.999371363	Not Sig
ENSG00000179598	PLD6	phospholipase D family member 6	201164	86.37304561	0.457432548	0.616892203	0.741511313	0.458383475	0.999371363	Not Sig
ENSG00000251165	F11-AS1	F11 antisense RNA 1	285441	0.75970852	0.457470251	2.817518914	0.162366346	0.871017371	NA	NA
ENSG00000140990	NDUFB10	NADH:ubiquinone oxidoreductase subunit B10	4716	681.5695854	0.457868602	0.519482948	0.881392938	0.378105179	0.999371363	Not Sig
ENSG00000182103	FAM181B	family with sequence similarity 181 member B	220382	9.7932649	0.457891107	0.979082757	0.467673548	0.64001806	0.999371363	Not Sig
ENSG00000004468	CD38	CD38 molecule	952	536.3149401	0.458028085	0.796896388	0.574764915	0.565450298	0.999371363	Not Sig
ENSG00000131475	VPS25	vacuolar protein sorting 25 homolog	84313	672.2595616	0.458072139	0.470572491	0.973435863	0.330336722	0.999371363	Not Sig
ENSG00000108773	KAT2A	lysine acetyltransferase 2A	2648	1016.726302	0.458097247	0.488226195	0.938288955	0.348095934	0.999371363	Not Sig
ENSG00000196507	TCEAL3	transcription elongation factor A like 3	85012	392.8121131	0.458154684	0.692446656	0.661646178	0.508198006	0.999371363	Not Sig
ENSG00000011590	ZBTB32	zinc finger and BTB domain containing 32	27033	21.92903745	0.458209656	0.831120438	0.551315591	0.581417352	0.999371363	Not Sig
ENSG00000233057	NA	NA	NA	3.434098589	0.458222164	1.608475059	0.284879869	0.775736179	NA	NA
ENSG00000116874	WARS2	tryptophanyl tRNA synthetase 2, mitochondrial	10352	376.9777175	0.458231144	0.513176789	0.892930378	0.371894458	0.999371363	Not Sig
ENSG00000115423	DNAH6	dynein axonemal heavy chain 6	1768	325.7032921	0.458274825	0.740107719	0.61920017	0.5357845	0.999371363	Not Sig
ENSG00000117481	NSUN4	NOP2/Sun RNA methyltransferase family member 4	387338	688.9091815	0.45833981	0.526806448	0.870034549	0.384281524	0.999371363	Not Sig
ENSG00000123545	NDUF4F4	NADH:ubiquinone oxidoreductase complex assembly factor 4	29078	125.4294173	0.458410835	0.493982883	0.92798931	0.353413115	0.999371363	Not Sig
ENSG00000197421	GGT3P	gamma-glutamyltransferase 3 pseudogene	2679	26.0887499	0.458453989	0.868706566	0.527743207	0.59767758	0.999371363	Not Sig
ENSG00000135144	DTX1	deltex E3 ubiquitin ligase 1	1840	92.97824942	0.458484584	0.698105838	0.656755121	0.511338386	0.999371363	Not Sig
ENSG00000164188	RANBP3L	RAN binding protein 3 like	202151	57.16509313	0.458503571	0.548485721	0.835944407	0.403186179	0.999371363	Not Sig
ENSG00000100478	AP4S1	adaptor related protein complex 4 sigma 1 subunit	11154	163.7118927	0.458594938	0.460015554	0.996911809	0.318807319	0.999371363	Not Sig
ENSG00000137720	C11orf1	chromosome 11 open reading frame 1	64776	141.6598927	0.458606736	0.641990909	0.714350826	0.475010271	0.999371363	Not Sig
ENSG00000166750	SLFN5	schlafen family member 5	162394	4535.923637	0.458678472	0.628635132	0.729641804	0.465609162	0.999371363	Not Sig
ENSG00000233762	NA	NA	NA	12.88621725	0.458934978	0.826521758	0.555260613	0.578716415	0.999371363	Not Sig
ENSG00000189227	C15orf61	chromosome 15 open reading frame 61	145853	100.8484248	0.458989633	0.682167648	0.672839931	0.501049131	0.999371363	Not Sig
ENSG00000163328	GPR155	G protein-coupled receptor 155	151556	352.2670421	0.459039266	0.506858425	0.905655788	0.36511807	0.999371363	Not Sig
ENSG00000111664	GNB3	G protein subunit beta 3	2784	49.2765921	0.459069859	0.863442526	0.531673904	0.594951869	0.999371363	Not Sig
ENSG00000120942	UBIAD1	UbiA prenyltransferase domain containing 1	29914	437.8695656	0.459275511	0.499960686	0.918623251	0.358292666	0.999371363	Not Sig
ENSG00000204644	ZFP57	ZFP57 zinc finger protein	346171	33.57888738	0.459490091	1.644198537	0.27946144	0.779890726	0.999371363	Not Sig
ENSG00000229474	PATL2	PAT1 homolog 2	197135	116.4842046	0.459495691	0.802727416	0.572418085	0.567038766	0.999371363	Not Sig
ENSG00000269802	NA	NA	NA	1.708253718	0.459498003	1.928448841	0.23827337	0.811669075	NA	NA
ENSG00000132256	TRIM5	tripartite motif containing 5	85363	906.5434407	0.45961024	0.432594286	1.062451019	0.288030983	0.999371363	Not Sig
ENSG00000160818	GPATCH4	G-patch domain containing 4	54865	508.1796117	0.459685267	0.526122272	0.87372326	0.382268981	0.999371363	Not Sig
ENSG00000183741	CBX6	chromobox 6	23466	2843.889568	0.459865972	0.844548797	0.544510836	0.586089994	0.999371363	Not Sig
ENSG00000176998	NA	NA	NA	47.25925722	0.460168558	0.551997251	0.833642844	0.404482275	0.999371363	Not Sig
ENSG00000111845	PAK1IP1	PAK1 interacting protein 1	55003	259.0595021	0.460248978	0.453652973	1.014539759	0.310325268	0.999371363	Not Sig

ENSG00000001461	NIPAL3	NIPA like domain containing 3	57185	1485.62556	0.460255658	0.495013162	0.929784688	0.352482576	0.999371363	Not Sig
ENSG000000072803	FBXW11	F-box and WD repeat domain containing 11	23291	2012.73798	0.460346459	0.430725709	1.068769402	0.28517359	0.999371363	Not Sig
ENSG000000090861	AARS	alanyl-tRNA synthetase	16	2860.718688	0.460379765	0.392134244	1.174036117	0.240380559	0.999371363	Not Sig
ENSG000000227825	SLC9A7P1	solute carrier family 9 member 7 pseudogene 1	121456	53.34775094	0.460396279	0.643923243	0.714986272	0.474617526	0.999371363	Not Sig
ENSG000000202361	NA	NA	NA	3.362283594	0.460422989	1.30149905	0.3537636	0.723516055	NA	NA
ENSG000000145864	GABRB2	gamma-aminobutyric acid type A receptor beta2 subunit	2561	49.64479133	0.460699463	1.150488225	0.400438225	0.688833775	0.999371363	Not Sig
ENSG000000130826	DKC1	dyskerin pseudouridine synthase 1	1736	697.8180015	0.460729342	0.420579345	1.095463548	0.273313607	0.999371363	Not Sig
ENSG000000131242	RAB11FIP4	RAB11 family interacting protein 4	84440	996.4805384	0.460935015	0.476143831	0.968058358	0.333015225	0.999371363	Not Sig
ENSG000000121644	DESI2	desumoylating isopeptidase 2	51029	1243.161938	0.461042377	0.45249737	1.018884102	0.308257992	0.999371363	Not Sig
ENSG000000238262	NA	NA	NA	2.00135336	0.461306866	1.686795205	0.273481253	0.784483301	NA	NA
ENSG000000086289	EPDR1	ependymin related 1	54749	1081.604738	0.461717768	0.688672829	0.670445746	0.502573681	0.999371363	Not Sig
ENSG000000171435	KSR2	kinase suppressor of ras 2	283455	127.6919921	0.461744334	1.061337139	0.435059056	0.663519562	0.999371363	Not Sig
ENSG000000140474	ULK3	unc-51 like kinase 3	25989	792.9769893	0.461779876	0.645713393	0.715146815	0.474518329	0.999371363	Not Sig
ENSG000000224185	NA	NA	NA	6.300535823	0.46181197	1.082492393	0.426619136	0.669656757	NA	NA
ENSG000000153485	TMEM251	transmembrane protein 251	26175	96.34074056	0.462378805	0.511854325	0.903340623	0.366345143	0.999371363	Not Sig
ENSG000000100997	ABHD12	abhydrolase domain containing 12	26090	1199.974282	0.462608006	0.541720067	0.853961362	0.393126398	0.999371363	Not Sig
ENSG000000145934	TENM2	teneurin transmembrane protein 2	57451	52.98498014	0.462633692	1.079986666	0.428369818	0.668381895	0.999371363	Not Sig
ENSG000000198937	CCDC167	coiled-coil domain containing 167	154467	118.161062	0.462736113	0.476382689	0.971353754	0.331372149	0.999371363	Not Sig
ENSG000000101444	AHCY	adenosylhomocysteinase	191	1092.912844	0.463126272	0.464456634	0.997135661	0.318698665	0.999371363	Not Sig
ENSG000000065183	WDR3	WD repeat domain 3	10885	853.8807409	0.463370959	0.506177491	0.915431775	0.359965004	0.999371363	Not Sig
ENSG000000178096	BOLA1	bola family member 1	51027	189.5325259	0.463565799	0.585646193	0.791545825	0.428625546	0.999371363	Not Sig
ENSG000000183258	DDX41	DEAD-box helicase 41	51428	1020.199031	0.463631747	0.473341024	0.979487778	0.327339025	0.999371363	Not Sig
ENSG000000177030	DEAF1	DEAF1, transcription factor	10522	731.9242051	0.463825736	0.487414164	0.951604959	0.341297366	0.999371363	Not Sig
ENSG000000265550	NA	NA	NA	1.788642711	0.463855494	2.207561548	0.210121206	0.833573075	NA	NA
ENSG000000130812	ANGPTL6	angiopoietin like 6	83854	13.89232873	0.463892084	1.048101719	0.442602159	0.658053523	0.999371363	Not Sig
ENSG000000231409	NA	NA	NA	1.580078418	0.463976759	1.973306008	0.235126614	0.814110463	NA	NA
ENSG000000187051	RPS19BP1	ribosomal protein S19 binding protein 1	91582	958.3443744	0.46428741	0.742254166	0.62551001	0.531636381	0.999371363	Not Sig
ENSG000000245261	NA	NA	NA	8.102053605	0.464319714	1.00749009	0.460867773	0.644893474	0.999371363	Not Sig
ENSG000000238735	NA	NA	NA	2.323895154	0.464371354	1.731892221	0.268129476	0.788599658	NA	NA
ENSG000000270504	NA	NA	NA	160.3421357	0.464393667	0.827674714	0.561082342	0.574741405	0.999371363	Not Sig
ENSG000000135535	CD164	CD164 molecule	8763	6090.508239	0.464503018	0.548502739	0.846856333	0.397075204	0.999371363	Not Sig
ENSG000000109113	RAB34	RAB34, member RAS oncogene family	83871	1089.433003	0.464550699	0.459775064	1.010386894	0.312309964	0.999371363	Not Sig
ENSG000000109519	GRPEL1	GrpE like 1, mitochondrial	80273	414.5491423	0.464632623	0.538410193	0.862971446	0.388153166	0.999371363	Not Sig
ENSG000000235051	NA	NA	NA	0.894321356	0.464799401	2.732966686	0.170071375	0.864954005	NA	NA
ENSG000000182109	NA	NA	NA	82.74171417	0.465022146	0.491218734	0.946670219	0.343806851	0.999371363	Not Sig

ENSG00000198492	YTHDF2	YTH N6-methyladenosine RNA binding protein 2	51441	1971.892373	0.465388263	0.486767344	0.956079467	0.339032087	0.999371363	Not Sig
ENSG00000134531	EMP1	epithelial membrane protein 1	2012	2927.636751	0.466602065	0.467988296	0.997037892	0.318746118	0.999371363	Not Sig
ENSG00000134575	ACP2	acid phosphatase 2, lysosomal	53	873.2691425	0.46676236	0.566371812	0.824127102	0.409867342	0.999371363	Not Sig
ENSG00000130985	UBA1	ubiquitin like modifier activating enzyme 1	7317	5565.096073	0.466927622	0.478706984	0.975393376	0.329365168	0.999371363	Not Sig
ENSG00000227973	NA	NA	NA	1.84956438	0.467010842	1.929890957	0.241988202	0.808789305	NA	NA
ENSG00000009307	CSDE1	cold shock domain containing E1	7812	11892.58014	0.467441828	0.483660603	0.96646662	0.333810742	0.999371363	Not Sig
ENSG00000223821	NA	NA	NA	1.714691254	0.467466186	1.928293411	0.242424822	0.808451003	NA	NA
ENSG00000119723	COQ6	coenzyme Q6, monooxygenase	51004	354.7739022	0.467981654	0.405864926	1.153047786	0.248890771	0.999371363	Not Sig
ENSG00000099849	RASSF7	Ras association domain family member 7	8045	1389.001533	0.46831649	0.471843876	0.992524253	0.320941855	0.999371363	Not Sig
ENSG00000261247	GOLGA8K	golgin A8 family member K	653125	4.408499502	0.468570596	1.287327897	0.363986982	0.71586773	NA	NA
ENSG00000247934	NA	NA	NA	17.86717189	0.468629348	0.840143364	0.557796882	0.576983092	0.999371363	Not Sig
ENSG00000100647	SUSD6	sushi domain containing 6	9766	3087.274227	0.468865468	0.509973989	0.919390944	0.357891124	0.999371363	Not Sig
ENSG00000177732	SOX12	SRY-box 12	6666	672.0639423	0.469349867	0.552360051	0.849717256	0.395482302	0.999371363	Not Sig
ENSG00000165240	ATP7A	ATPase copper transporting alpha	538	987.6833271	0.469728764	0.52377325	0.896817017	0.369816566	0.999371363	Not Sig
ENSG00000256721	NA	NA	NA	17.70414649	0.469927725	0.807304074	0.582095075	0.560502643	0.999371363	Not Sig
ENSG00000162408	NOL9	nucleolar protein 9	79707	966.4964659	0.470735847	0.437825494	1.075167739	0.282299636	0.999371363	Not Sig
ENSG00000117528	ABCD3	ATP binding cassette subfamily D member 3	5825	2154.842623	0.470772747	0.588820987	0.799517607	0.423990342	0.999371363	Not Sig
ENSG00000140157	NIPA2	non imprinted in Prader-Willi/Angelman syndrome 2	81614	1042.950015	0.470839098	0.41515288	1.134134246	0.25673824	0.999371363	Not Sig
ENSG00000010610	CD4	CD4 molecule	920	2152.528324	0.470900879	0.705829236	0.667159781	0.504670078	0.999371363	Not Sig
ENSG00000171766	GATM	glycine amidinotransferase	2628	310.6351527	0.470934727	0.568878619	0.827829893	0.407766843	0.999371363	Not Sig
ENSG00000168589	DYNLRB2	dynein light chain roadblock-type 2	83657	30.02020852	0.471179303	0.959218379	0.491211713	0.623276716	0.999371363	Not Sig
ENSG00000011260	UTP18	UTP18, small subunit processome component	51096	786.5060473	0.471221674	0.456155313	1.033029014	0.301590321	0.999371363	Not Sig
ENSG00000005882	PK2	pyruvate dehydrogenase kinase 2	5164	623.7131418	0.471647926	0.638236476	0.738986166	0.459915398	0.999371363	Not Sig
ENSG00000141349	G6PC3	glucose-6-phosphatase catalytic subunit 3	92579	611.2918553	0.471747493	0.539761758	0.873992064	0.382122576	0.999371363	Not Sig
ENSG00000105223	PLD3	phospholipase D family member 3	23646	5940.805032	0.471831761	0.6998678	0.674172694	0.500201527	0.999371363	Not Sig
ENSG00000272950	NA	NA	NA	2.58439211	0.472301124	2.078085047	0.227277091	0.820208286	NA	NA
ENSG00000207815	MIR563	microRNA 563	693148	2.756760806	0.472399412	1.668824795	0.283073102	0.7771208	NA	NA
ENSG00000269243	NA	NA	NA	1.586515954	0.472735247	2.026178303	0.233313745	0.815517787	NA	NA
ENSG00000178409	BEND3	BEN domain containing 3	57673	311.1199471	0.472918454	0.643280866	0.735166362	0.462238183	0.999371363	Not Sig
ENSG00000197872	FAM49A	family with sequence similarity 49 member A	81553	625.6169753	0.473163532	0.764026144	0.619302802	0.535716899	0.999371363	Not Sig
ENSG00000053438	NNAT	neuronatin	4826	5.468885739	0.473340887	1.858879949	0.254637685	0.79900295	NA	NA
ENSG00000183617	MRPL54	mitochondrial ribosomal protein L54	116541	414.7430375	0.473427324	0.779260818	0.607533848	0.543496687	0.999371363	Not Sig
ENSG00000266946	NA	NA	NA	43.99879841	0.473452468	0.589891706	0.802609129	0.42220069	0.999371363	Not Sig
ENSG00000105135	ILVBL	ilvB acetolactate synthase like	10994	814.0101152	0.473839782	0.683944956	0.692803972	0.488432579	0.999371363	Not Sig
ENSG00000184281	TSSC4	tumor suppressing subtransferable candidate 4	10078	592.6261213	0.474156436	0.679416838	0.697887379	0.485247628	0.999371363	Not Sig

ENSG00000005379	TSPOAP1	TSPO associated protein 1	9256	810.478458	0.474352697	0.862526927	0.549956972	0.582348887	0.999371363	Not Sig
ENSG00000250258	NA	NA	NA	2.261230355	0.474483047	2.082962193	0.227792443	0.819807602	NA	NA
ENSG00000203761	NA	NA	NA	44.84196827	0.475122894	0.563344706	0.843396395	0.399006788	0.999371363	Not Sig
ENSG00000214215	C12orf74	chromosome 12 open reading frame 74	338809	49.28943027	0.475384021	0.596887491	0.796438236	0.425777362	0.999371363	Not Sig
ENSG00000267257	NA	NA	NA	4.535246502	0.475597514	1.434185098	0.331615155	0.740179875	NA	NA
ENSG00000235587	NA	NA	NA	2.435763662	0.475795937	1.489250217	0.319486901	0.749357323	NA	NA
ENSG00000175344	CHRNA7	cholinergic receptor nicotinic alpha 7 subunit	1139	12.08934093	0.476055643	1.060244878	0.449005369	0.653427783	0.999371363	Not Sig
ENSG00000175344	LOC101929970	CHRNA7-FAM7A fusion protein	101929970	12.08934093	0.476055643	1.060244878	0.449005369	0.653427783	0.999371363	Not Sig
ENSG00000110344	UBE4A	ubiquitination factor E4A	9354	2442.111034	0.476137622	0.417538533	1.140344148	0.254142952	0.999371363	Not Sig
ENSG00000161980	POLR3K	RNA polymerase III subunit K	51728	165.1973324	0.47658029	0.537379387	0.886860012	0.375154273	0.999371363	Not Sig
ENSG00000257285	LOC101926933	uncharacterized LOC101926933	101926933	5.495078359	0.476745068	1.063717512	0.448187665	0.654017764	NA	NA
ENSG00000072501	SMC1A	structural maintenance of chromosomes 1A	8243	2953.914705	0.476759672	0.392282422	1.215348038	0.224233378	0.999371363	Not Sig
ENSG00000167178	ISLR2	immunoglobulin superfamily containing leucine rich repeat 2	57611	53.16152491	0.476876164	0.812715113	0.58676916	0.557358752	0.999371363	Not Sig
ENSG00000124226	RNF114	ring finger protein 114	55905	1147.250099	0.476953252	0.471976052	1.01054545	0.312234036	0.999371363	Not Sig
ENSG00000160588	MPZL3	myelin protein zero like 3	196264	551.4438907	0.476982811	0.590504748	0.807754404	0.419231978	0.999371363	Not Sig
ENSG00000171522	PTGER4	prostaglandin E receptor 4	5734	989.7930926	0.477059535	0.894148355	0.533535103	0.593663218	0.999371363	Not Sig
ENSG00000238815	NA	NA	NA	18.00622424	0.477381404	0.729509554	0.654386775	0.512862653	0.999371363	Not Sig
ENSG00000147400	CETN2	centrin 2	1069	592.41704	0.477669278	0.501626485	0.952240944	0.3409748	0.999371363	Not Sig
ENSG00000105880	DLX5	distal-less homeobox 5	1749	5.934183067	0.477886541	1.280225833	0.373283001	0.708937827	NA	NA
ENSG00000054392	HHAT	hedgehog acyltransferase	55733	387.1614951	0.478071389	0.545038001	0.87713405	0.380413832	0.999371363	Not Sig
ENSG00000143226	FCGR2A	Fc fragment of IgG receptor IIa	2212	1362.349164	0.478287741	0.622847403	0.76790517	0.442543526	0.999371363	Not Sig
ENSG00000143226	FCGR2C	Fc fragment of IgG receptor IIc (gene/pseudogene)	9103	1362.349164	0.478287741	0.622847403	0.76790517	0.442543526	0.999371363	Not Sig
ENSG00000117118	SDHB	succinate dehydrogenase complex iron sulfur subunit B	6390	802.5443071	0.478437491	0.412349475	1.160271857	0.245938139	0.999371363	Not Sig
ENSG00000221821	C6orf226	chromosome 6 open reading frame 226	441150	73.02703389	0.478607003	0.647257329	0.739438522	0.459640758	0.999371363	Not Sig
ENSG00000237977	NA	NA	NA	4.336535172	0.479137988	1.275586016	0.375621857	0.707198039	NA	NA
ENSG00000196890	HIST3H2BB	histone cluster 3 H2B family member b	128312	45.73090979	0.479155359	0.855946729	0.559795772	0.575618748	0.999371363	Not Sig
ENSG00000066294	CD84	CD84 molecule	8832	1078.785335	0.479220062	0.752882977	0.636513345	0.524441886	0.999371363	Not Sig
ENSG00000166352	C11orf74	chromosome 11 open reading frame 74	119710	135.6672257	0.479522291	0.478889563	1.00132124	0.316671527	0.999371363	Not Sig
ENSG00000182183	SHISAL2A	shisa like 2A	348378	30.54091022	0.480070512	1.022860763	0.469341018	0.6388259	0.999371363	Not Sig
ENSG00000239203	NA	NA	NA	4.006127542	0.48014588	1.336563421	0.35923913	0.719416206	NA	NA
ENSG00000160216	AGPAT3	1-acylglycerol-3-phosphate 0-acyltransferase 3	56894	2865.152712	0.480195618	0.541211855	0.887259976	0.374938948	0.999371363	Not Sig
ENSG00000162576	MXRA8	matrix remodeling associated 8	54587	1473.037152	0.480287202	0.471539224	1.018551964	0.308415719	0.999371363	Not Sig
ENSG00000163349	HIPK1	homeodomain interacting protein kinase 1	204851	3949.424003	0.480667746	0.489450835	0.982055215	0.326072647	0.999371363	Not Sig
ENSG00000133142	TCEAL4	transcription elongation factor A like 4	79921	752.6389923	0.480875132	0.582992383	0.824839476	0.409462732	0.999371363	Not Sig
ENSG00000029364	SLC39A9	solute carrier family 39 member 9	55334	2562.504294	0.480994966	0.484251835	0.993274432	0.320576234	0.999371363	Not Sig

ENSG00000223436	NA	NA	NA	1.187420997	0.481296385	2.499683707	0.192542914	0.847316956	NA	NA
ENSG00000102096	PIM2	Pim-2 proto-oncogene, serine/threonine kinase	11040	1143.686606	0.481311685	0.732287603	0.657271383	0.511006434	0.999371363	Not Sig
ENSG00000211873	NA	NA	NA	8.831451578	0.481340018	1.092066534	0.440760708	0.659386242	0.999371363	Not Sig
ENSG00000112249	ASCC3	activating signal cointegrator 1 complex subunit 3	10973	2242.831202	0.481344881	0.546706279	0.88044513	0.378618217	0.999371363	Not Sig
ENSG00000151014	NOCT	nocturnin	25819	111.4361724	0.481485912	0.455621473	1.056767382	0.290617764	0.999371363	Not Sig
ENSG00000141219	C17orf80	chromosome 17 open reading frame 80	55028	535.4551229	0.481587765	0.437709667	1.100244755	0.271225496	0.999371363	Not Sig
ENSG00000179115	FARSA	phenylalanyl-tRNA synthetase alpha subunit	2193	736.612621	0.481682356	0.604011697	0.7974719	0.425177016	0.999371363	Not Sig
ENSG00000115252	PDE1A	phosphodiesterase 1A	5136	110.9354302	0.482082308	0.563975446	0.854793079	0.392665711	0.999371363	Not Sig
ENSG00000186714	CCDC73	coiled-coil domain containing 73	493860	5.163342606	0.482224344	1.099100837	0.438744406	0.660846747	NA	NA
ENSG00000140365	COMM4	COMM domain containing 4	54939	611.8567416	0.482588276	0.551924086	0.874374372	0.38191441	0.999371363	Not Sig
ENSG00000198157	HMGN5	high mobility group nucleosome binding domain 5	79366	149.047554	0.483285177	0.629924195	0.767211643	0.442955692	0.999371363	Not Sig
ENSG00000143786	CNIH3	cornichon family AMPA receptor auxiliary protein 3	149111	85.53057093	0.483383198	0.67213408	0.719176743	0.472032027	0.999371363	Not Sig
ENSG00000134910	STT3A	STT3A, catalytic subunit of the oligosaccharyltransferase complex	3703	2626.37015	0.483537054	0.464506662	1.04096904	0.297889917	0.999371363	Not Sig
ENSG00000160767	FAM189B	family with sequence similarity 189 member B	10712	494.9791451	0.483548073	0.629603439	0.768020064	0.442475265	0.999371363	Not Sig
ENSG00000041802	LSG1	large 60S subunit nuclear export GTPase 1	55341	1123.730112	0.483632797	0.406394217	1.190058263	0.234023493	0.999371363	Not Sig
ENSG00000167106	FAM102A	family with sequence similarity 102 member A	399665	1538.529773	0.483697843	0.514936384	0.939335144	0.3475587	0.999371363	Not Sig
ENSG00000259056	NA	NA	NA	2.300890537	0.483901347	1.79294871	0.26989135	0.787243842	NA	NA
ENSG00000124275	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	4552	1287.139628	0.484143372	0.467058312	1.036580143	0.299931572	0.999371363	Not Sig
ENSG00000124275	LOC107986404	uncharacterized LOC107986404	107986404	1287.139628	0.484143372	0.467058312	1.036580143	0.299931572	0.999371363	Not Sig
ENSG00000258288	NA	NA	NA	1.541442307	0.484254769	1.992712738	0.243012834	0.807995456	NA	NA
ENSG00000149016	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific	64852	205.91847	0.484338019	0.589689379	0.821344316	0.411450172	0.999371363	Not Sig
ENSG00000239087	NA	NA	NA	7.538029883	0.484708062	0.920816196	0.526389593	0.598617545	0.999371363	Not Sig
ENSG00000199133	MIRLET7D	microRNA let-7d	406886	15.69589132	0.484741595	0.78896829	0.614399338	0.538951473	0.999371363	Not Sig
ENSG00000258486	NA	NA	NA	494054.3655	0.484817166	0.566993527	0.855066492	0.392514338	0.999371363	Not Sig
ENSG00000197153	HIST1H3J	histone cluster 1 H3 family member j	8356	125.1245208	0.485157833	0.813861719	0.596118261	0.551096226	0.999371363	Not Sig
ENSG00000038002	AGA	aspartylglucosaminidase	175	443.2256962	0.485564179	0.537873025	0.902748709	0.366659278	0.999371363	Not Sig
ENSG00000146242	TPBG	trophoblast glycoprotein	7162	747.4082035	0.485569321	0.767797791	0.632418231	0.527113624	0.999371363	Not Sig
ENSG00000169330	KIAA1024	KIAA1024	23251	44.97697396	0.485774618	0.756788263	0.641889735	0.520944779	0.999371363	Not Sig
ENSG00000152672	CLEC4F	C-type lectin domain family 4 member F	165530	45.57392241	0.485871746	0.80063956	0.606854532	0.543947455	0.999371363	Not Sig
ENSG00000182890	GLUD2	glutamate dehydrogenase 2	2747	31.16391515	0.485876718	0.932205417	0.521212073	0.602219044	0.999371363	Not Sig
ENSG00000145247	OCIA2	OCIA domain containing 2	132299	668.6928653	0.486046506	0.68030155	0.714457443	0.474944363	0.999371363	Not Sig
ENSG00000223380	NA	NA	NA	1772.282717	0.486062277	0.587921902	0.826746334	0.408380853	0.999371363	Not Sig
ENSG00000184640	9-Sep	septin 9	10801	8176.962133	0.486341919	0.544091358	0.893860769	0.37139639	0.999371363	Not Sig
ENSG00000272267	NA	NA	NA	3.067036592	0.486412783	1.634128983	0.297658745	0.765963633	NA	NA
ENSG00000167513	CDT1	chromatin licensing and DNA replication factor 1	81620	133.2670205	0.486747366	0.821032558	0.592847824	0.553282999	0.999371363	Not Sig

ENSG00000184436	THAP7	THAP domain containing 7	80764	451.3916146	0.486756376	0.651014579	0.747688902	0.454647827	0.999371363	Not Sig
ENSG00000157399	ARSE	arylsulfatase E (chondrodysplasia punctata 1)	415	539.649989	0.486888074	0.841295576	0.578736045	0.562767291	0.999371363	Not Sig
ENSG00000228089	NA	NA	NA	1.711674541	0.486925482	2.237932475	0.217578273	0.827757715	NA	NA
ENSG00000140993	TIGD7	tigger transposable element derived 7	91151	142.7336514	0.486981978	0.626364345	0.777473976	0.436879183	0.999371363	Not Sig
ENSG00000269430	NA	NA	NA	59.30867494	0.487191131	1.042621334	0.467275237	0.640302971	0.999371363	Not Sig
ENSG00000188171	ZNF626	zinc finger protein 626	199777	360.2102943	0.487268024	0.580668884	0.839149535	0.401385402	0.999371363	Not Sig
ENSG00000176410	DNAJC30	DnaJ heat shock protein family (Hsp40) member C30	84277	348.8747002	0.487306703	0.617770545	0.788815049	0.430220113	0.999371363	Not Sig
ENSG00000160404	TOR2A	torsin family 2 member A	27433	234.8061103	0.48763438	0.628061387	0.776411971	0.437505778	0.999371363	Not Sig
ENSG00000260601	NA	NA	NA	21.47649663	0.48776246	0.711010847	0.686012685	0.492705109	0.999371363	Not Sig
ENSG00000272223	NA	NA	NA	8.1677144	0.48794881	0.926286367	0.526779652	0.598346615	0.999371363	Not Sig
ENSG00000239151	NA	NA	NA	7.351933334	0.488121901	1.236486778	0.394765161	0.693016209	0.999371363	Not Sig
ENSG00000228063	NA	NA	NA	3.645470217	0.488557701	1.471339813	0.332049535	0.739851855	NA	NA
ENSG00000168671	UGT3A2	UDP glycosyltransferase family 3 member A2	167127	5.773676148	0.488595851	1.457317852	0.335270614	0.737420959	NA	NA
ENSG00000230679	ENO1-AS1	ENO1 antisense RNA 1	100505975	6.438719774	0.48862718	1.025051578	0.476685457	0.63358612	NA	NA
ENSG00000119681	LTBP2	latent transforming growth factor beta binding protein 2	4053	12998.47974	0.48868049	0.704514703	0.693641293	0.487907191	0.999371363	Not Sig
ENSG00000100319	ZMAT5	zinc finger matrin-type 5	55954	244.337401	0.488701825	0.576380121	0.847881123	0.396504178	0.999371363	Not Sig
ENSG00000212030	NA	NA	NA	4.026868449	0.489421386	1.344460591	0.364028064	0.715837053	NA	NA
ENSG00000161609	CCDC155	coiled-coil domain containing 155	147872	9.531493685	0.489431545	1.830707561	0.267345564	0.789203108	0.999371363	Not Sig
ENSG00000218265	NA	NA	NA	0.81091565	0.489523135	2.7826572	0.17591931	0.860357334	NA	NA
ENSG00000251787	NA	NA	NA	0.81091565	0.489523135	2.7826572	0.17591931	0.860357334	NA	NA
ENSG00000162377	COA7	cytochrome c oxidase assembly factor 7 (putative)	65260	183.4473692	0.489676603	0.462000685	1.059904494	0.289188051	0.999371363	Not Sig
ENSG00000103342	GSPT1	G1 to S phase transition 1	2935	3956.755304	0.489993204	0.430294373	1.138739511	0.254811818	0.999371363	Not Sig
ENSG00000243103	NA	NA	NA	6.080862634	0.490057785	1.175397399	0.416929445	0.676730015	NA	NA
ENSG00000121005	CRISPLD1	cysteine rich secretory protein LCCL domain containing 1	83690	173.1118805	0.490282861	0.825282832	0.59407859	0.55245955	0.999371363	Not Sig
ENSG00000121236	TRIM6	tripartite motif containing 6	117854	61.72454544	0.490600862	0.795254453	0.61691055	0.537293728	0.999371363	Not Sig
ENSG00000143575	HAX1	HCLS1 associated protein X-1	10456	988.6353332	0.490764065	0.490883891	0.999755897	0.317428654	0.999371363	Not Sig
ENSG00000172840	PDP2	pyruvate dehydrogenase phosphatase catalytic subunit 2	57546	273.228306	0.491047456	0.470355861	1.043991363	0.296489386	0.999371363	Not Sig
ENSG00000115841	RMDN2	regulator of microtubule dynamics 2	151393	247.3445083	0.491114724	0.581857842	0.844045896	0.398643759	0.999371363	Not Sig
ENSG00000106636	YKT6	YKT6 v-SNARE homolog	10652	1535.835139	0.491207008	0.466839394	1.052196997	0.292709177	0.999371363	Not Sig
ENSG00000131067	GGT7	gamma-glutamyltransferase 7	2686	639.261955	0.491272534	0.508204125	0.966683482	0.333702287	0.999371363	Not Sig
ENSG00000269926	NA	NA	NA	2.493408328	0.492260059	1.542526374	0.319125862	0.749631073	NA	NA
ENSG00000171488	LRRC8C	leucine rich repeat containing 8 VRAC subunit C	84230	680.9021934	0.492350275	0.615639536	0.799737909	0.423862664	0.999371363	Not Sig
ENSG00000125827	TMX4	thioredoxin related transmembrane protein 4	56255	1738.179226	0.492807938	0.57188312	0.861728421	0.388836982	0.999371363	Not Sig
ENSG00000204922	UQCC3	ubiquinol-cytochrome c reductase complex assembly factor 3	790955	225.9344285	0.492933917	0.649006659	0.759520585	0.447541205	0.999371363	Not Sig
ENSG00000186417	GLDN	gliomedin	342035	439.066019	0.493083938	0.876785915	0.562376663	0.573859415	0.999371363	Not Sig

ENSG00000117009	KMO	kynurenine 3-monooxygenase	8564	106.6881125	0.493166944	0.761556404	0.6475777	0.517258125	0.999371363	Not Sig
ENSG00000164674	SYTL3	synaptotagmin like 3	94120	594.675363	0.493190146	0.460472838	1.071051547	0.284146253	0.999371363	Not Sig
ENSG00000132432	SEC61G	Sec61 translocon gamma subunit	23480	591.764284	0.493449862	0.62214717	0.79314009	0.427696208	0.999371363	Not Sig
ENSG00000178301	AQP11	aquaporin 11	282679	19.5434611	0.493519343	0.687283624	0.718072316	0.472712699	0.999371363	Not Sig
ENSG00000169306	IL1RAPL1	interleukin 1 receptor accessory protein like 1	11141	3.184014514	0.493722947	1.676284106	0.29453417	0.768349757	NA	NA
ENSG00000175595	ERCC4	ERCC excision repair 4, endonuclease catalytic subunit	2072	422.7263866	0.493808894	0.496049044	0.995484016	0.319500915	0.999371363	Not Sig
ENSG00000111642	CHD4	chromodomain helicase DNA binding protein 4	1108	6998.986224	0.493877386	0.453602596	1.088788713	0.27624707	0.999371363	Not Sig
ENSG00000185420	SMYD3	SET and MYND domain containing 3	64754	712.1598343	0.493882235	0.556612457	0.887300003	0.374917404	0.999371363	Not Sig
ENSG00000106537	TSPAN13	tetraspanin 13	27075	3143.457079	0.494263411	0.527802348	0.9364555	0.349038714	0.999371363	Not Sig
ENSG00000165730	STOX1	storkhead box 1	219736	106.5766454	0.494591477	0.581772329	0.8501461	0.395243864	0.999371363	Not Sig
ENSG00000243989	ACY1	aminoacylase 1	95	54.62208675	0.494872787	0.624073956	0.792971382	0.427794497	0.999371363	Not Sig
ENSG00000054282	SDCCAG8	serologically defined colon cancer antigen 8	10806	1163.921485	0.494951083	0.427346511	1.158196148	0.246784	0.999371363	Not Sig
ENSG00000149177	PTPRJ	protein tyrosine phosphatase, receptor type J	5795	2022.827669	0.495042551	0.427444174	1.15814551	0.24680466	0.999371363	Not Sig
ENSG00000182173	TSEN54	tRNA splicing endonuclease subunit 54	283989	463.9459841	0.495228793	0.609791397	0.812128205	0.41671807	0.999371363	Not Sig
ENSG00000135631	RAB11FIP5	RAB11 family interacting protein 5	26056	1012.779487	0.495470265	0.594739496	0.833087879	0.404795169	0.999371363	Not Sig
ENSG00000178425	NT5DC1	5'-nucleotidase domain containing 1	221294	860.2388927	0.495737466	0.38936391	1.273198294	0.202947686	0.999371363	Not Sig
ENSG00000147144	CCDC120	coiled-coil domain containing 120	90060	520.0052048	0.495887024	0.439468011	1.128380248	0.259159366	0.999371363	Not Sig
ENSG00000255966	NA	NA	NA	5.546380163	0.495949428	1.38762591	0.357408596	0.720785942	NA	NA
ENSG00000268059	NA	NA	NA	14.25367555	0.496142537	0.760906031	0.652041798	0.514374209	0.999371363	Not Sig
ENSG00000137310	TCF19	transcription factor 19	6941	315.2369786	0.496418742	0.591940222	0.838629855	0.401677052	0.999371363	Not Sig
ENSG00000226636	NA	NA	NA	3.902374262	0.4965063	1.508276712	0.329187805	0.74201374	NA	NA
ENSG00000165948	IFI27L1	interferon alpha inducible protein 27 like 1	122509	148.5678715	0.496515462	0.567916025	0.874276197	0.381967859	0.999371363	Not Sig
ENSG00000235944	NA	NA	NA	102.2827235	0.496673135	0.52217507	0.951162098	0.341522095	0.999371363	Not Sig
ENSG00000147121	KRBOX4	KRAB box domain containing 4	55634	324.30194	0.496729505	0.493903677	1.005721417	0.314549598	0.999371363	Not Sig
ENSG00000157184	CPT2	carnitine palmitoyltransferase 2	1376	668.1227845	0.497005633	0.535877694	0.927460947	0.353687259	0.999371363	Not Sig
ENSG00000201297	NA	NA	NA	4.144266773	0.497193798	1.273774656	0.39033105	0.696291766	NA	NA
ENSG00000258896	NA	NA	NA	6.038185739	0.497536147	1.049015	0.474288878	0.635293922	NA	NA
ENSG00000232871	SEC1P	secretory blood group 1, pseudogene	653677	2.997934258	0.497556361	1.411850681	0.352414294	0.724527584	NA	NA
ENSG00000215210	NA	NA	NA	1.389393037	0.497827351	2.080089686	0.239329753	0.810849896	NA	NA
ENSG00000256812	CAPNS2	calpain small subunit 2	84290	8.906516397	0.497845883	0.926234244	0.537494577	0.59092603	0.999371363	Not Sig
ENSG00000104998	IL27RA	interleukin 27 receptor subunit alpha	9466	657.2488613	0.497926801	0.647733254	0.768721998	0.442058363	0.999371363	Not Sig
ENSG00000171864	PRND	prion like protein doppel	23627	14.15771941	0.498006783	1.425236135	0.349420542	0.726773614	0.999371363	Not Sig
ENSG00000167700	MFSD3	major facilitator superfamily domain containing 3	113655	352.1520358	0.498130385	0.689005884	0.722969711	0.469698493	0.999371363	Not Sig
ENSG00000099814	CEP170B	centrosomal protein 170B	283638	2777.751747	0.498335817	0.500164708	0.996343422	0.319083313	0.999371363	Not Sig
ENSG00000213619	NDUFS3	NADH:ubiquinone oxidoreductase core subunit S3	4722	583.9446964	0.498407027	0.503612431	0.98966387	0.32233844	0.999371363	Not Sig

ENSG00000173272	MZT2A	mitotic spindle organizing protein 2A	653784	433.4865636	0.498499144	0.551259531	0.904291202	0.365841011	0.999371363	Not Sig
ENSG00000169413	RNASE6	ribonuclease A family member k6	6039	159.8425429	0.498636375	0.877022328	0.568556078	0.569657439	0.999371363	Not Sig
ENSG00000188786	MTF1	metal regulatory transcription factor 1	4520	895.2072867	0.498723214	0.443148784	1.125408063	0.260416156	0.999371363	Not Sig
ENSG00000225940	C5orf67	chromosome 5 open reading frame 67	101928448	0.736964193	0.499744531	3.291082369	0.151848077	0.879306761	NA	NA
ENSG00000234476	NA	NA	NA	0.736964193	0.499744531	3.291082369	0.151848077	0.879306761	NA	NA
ENSG00000255746	LOC102723544	uncharacterized LOC102723544	102723544	0.736964193	0.499744531	3.291082369	0.151848077	0.879306761	NA	NA
ENSG00000268231	NA	NA	NA	0.736964193	0.499744531	3.291082369	0.151848077	0.879306761	NA	NA
ENSG00000182580	EPHB3	EPH receptor B3	2049	467.5948246	0.499933712	0.614216819	0.813936865	0.415681121	0.999371363	Not Sig
ENSG00000120278	PLEKHG1	pleckstrin homology and RhoGEF domain containing G1	57480	1182.800243	0.500181903	0.442794662	1.129602378	0.258643808	0.999371363	Not Sig
ENSG00000235286	NA	NA	NA	0.871577028	0.500464939	2.745749419	0.182268977	0.855371643	NA	NA
ENSG00000261393	NA	NA	NA	0.871577028	0.500464939	2.745749419	0.182268977	0.855371643	NA	NA
ENSG00000182132	KCNIP1	potassium voltage-gated channel interacting protein 1	30820	17.29755173	0.500664263	0.889939791	0.562582175	0.573719433	0.999371363	Not Sig
ENSG00000135336	ORC3	origin recognition complex subunit 3	23595	591.7775704	0.501061618	0.486389391	1.030165598	0.302932276	0.999371363	Not Sig
ENSG00000119632	IFI27L2	interferon alpha inducible protein 27 like 2	83982	242.2666803	0.501194569	0.85910058	0.583394518	0.559627747	0.999371363	Not Sig
ENSG00000258820	NA	NA	NA	10.39481359	0.501497991	1.11291499	0.45061662	0.652265886	0.999371363	Not Sig
ENSG00000188389	PDCD1	programmed cell death 1	5133	41.196772	0.501732083	0.69454047	0.722394308	0.470052085	0.999371363	Not Sig
ENSG00000261420	NA	NA	NA	12.7024149	0.502168264	0.988649662	0.507933481	0.611499994	0.999371363	Not Sig
ENSG00000140511	HAPLN3	hyaluronan and proteoglycan link protein 3	145864	246.1918391	0.50241898	0.51225933	0.980790296	0.326696165	0.999371363	Not Sig
ENSG00000100577	GSTZ1	glutathione S-transferase zeta 1	2954	417.5018214	0.502539857	0.528952894	0.950065426	0.342079009	0.999371363	Not Sig
ENSG00000166068	SPRED1	sprouty related EVH1 domain containing 1	161742	3170.968279	0.502750167	0.466501679	1.077702803	0.281166407	0.999371363	Not Sig
ENSG00000103544	C16orf62	chromosome 16 open reading frame 62	57020	1525.154187	0.502754527	0.384588108	1.30725448	0.191126298	0.999371363	Not Sig
ENSG00000214772	NA	NA	NA	3.949745561	0.50277917	1.460896796	0.344157898	0.730727543	NA	NA
ENSG00000261183	SPINT1-AS1	SPINT1 antisense RNA 1	102724362	230.5178308	0.502797214	0.650783182	0.772603269	0.439757209	0.999371363	Not Sig
ENSG00000094975	SUCO	SUN domain containing ossification factor	51430	1931.939671	0.502943266	0.652958841	0.770252632	0.441150049	0.999371363	Not Sig
ENSG00000002746	HECW1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	23072	88.44227003	0.503038413	0.914455207	0.550096286	0.582253334	0.999371363	Not Sig
ENSG00000119440	NA	NA	NA	5.550724999	0.503136593	1.512490468	0.332654389	0.739395182	NA	NA
ENSG00000174574	AKIRIN1	akirin 1	79647	1437.778871	0.503916296	0.443698007	1.135719087	0.25607415	0.999371363	Not Sig
ENSG00000187510	PLEKHG7	pleckstrin homology and RhoGEF domain containing G7	440107	100.3005798	0.504022758	0.740763315	0.680409988	0.496244899	0.999371363	Not Sig
ENSG00000026103	FAS	Fas cell surface death receptor	355	506.3740989	0.50403929	0.628909584	0.80144953	0.422871451	0.999371363	Not Sig
ENSG00000184178	SCFD2	secl family domain containing 2	152579	346.648086	0.504188529	0.450536843	1.119083905	0.263104346	0.999371363	Not Sig
ENSG00000257950	P2RX5-TAX1BP3	P2RX5-TAX1BP3 readthrough (NMD candidate)	100533970	4.872684438	0.504534759	1.267061159	0.398192901	0.690487998	NA	NA
ENSG00000205542	TMSB4X	thymosin beta 4, X-linked	7114	19807.89652	0.504540049	0.748291563	0.674255964	0.500148595	0.999371363	Not Sig
ENSG00000154760	SLFN13	schlafen family member 13	146857	1161.662801	0.504722867	0.720792275	0.700233457	0.48378152	0.999371363	Not Sig
ENSG00000125841	NRSN2	neurensin 2	80023	576.1480066	0.50499778	0.536394538	0.941467044	0.34646557	0.999371363	Not Sig
ENSG00000178199	ZC3H12D	zinc finger CCCH-type containing 12D	340152	186.7428265	0.505279092	0.779839156	0.647927317	0.517031961	0.999371363	Not Sig

ENSG00000130338	TULP4	tubby like protein 4	56995	3325.203949	0.505657019	0.422486264	1.196860259	0.231361026	0.999371363	Not Sig
ENSG00000198851	CD3E	CD3e molecule	916	307.7892753	0.505832529	0.75953372	0.665977712	0.505425347	0.999371363	Not Sig
ENSG00000257830	NA	NA	NA	2.002770762	0.505926305	2.537708484	0.199363445	0.841978453	NA	NA
ENSG00000112186	CAP2	cyclase associated actin cytoskeleton regulatory protein 2	10486	225.1399351	0.506025899	0.479785612	1.054691691	0.291566353	0.999371363	Not Sig
ENSG00000112149	CD83	CD83 molecule	9308	947.8343236	0.506087864	0.884655115	0.572073632	0.567272092	0.999371363	Not Sig
ENSG00000243279	PRAF2	PRA1 domain family member 2	11230	202.089147	0.506454932	0.530709159	0.954298458	0.339932588	0.999371363	Not Sig
ENSG00000103064	SLC7A6	solute carrier family 7 member 6	9057	925.2687577	0.506524611	0.420187168	1.205473775	0.228020456	0.999371363	Not Sig
ENSG00000233902	NA	NA	NA	2.004619465	0.506579295	1.857996171	0.272648191	0.785123664	NA	NA
ENSG00000166444	ST5	suppression of tumorigenicity 5	6764	2505.184746	0.506706514	0.486667577	1.041175822	0.297793955	0.999371363	Not Sig
ENSG00000238578	SNORD4A	small nucleolar RNA, C/D box 4A	26773	12.42710489	0.50725102	0.815190325	0.622248578	0.533778428	0.999371363	Not Sig
ENSG00000128965	CHAC1	ChaC glutathione specific gamma-glutamylcyclotransferase 1	79094	39.66465028	0.507264408	0.678452815	0.747678242	0.454654258	0.999371363	Not Sig
ENSG00000237464	NA	NA	NA	1.395830572	0.507422477	2.07946077	0.244016374	0.807218138	NA	NA
ENSG00000231770	NA	NA	NA	48.34935634	0.507428922	0.580400247	0.874274133	0.381968983	0.999371363	Not Sig
ENSG00000163472	TMEM79	transmembrane protein 79	84283	132.2661975	0.50757432	0.688833431	0.736860752	0.461207034	0.999371363	Not Sig
ENSG00000268278	NA	NA	NA	1.599086973	0.50813687	1.972792054	0.257572443	0.796736899	NA	NA
ENSG00000263628	MIR3155A	microRNA 3155a	100422989	9.083087068	0.50816375	1.020891047	0.49776492	0.618649744	0.999371363	Not Sig
ENSG00000260279	NA	NA	NA	13.40294488	0.508329199	0.801356309	0.634336055	0.525861532	0.999371363	Not Sig
ENSG00000169189	NSMCE1	NSE1 homolog, SMC5-SMC6 complex component	197370	503.8833952	0.508540913	0.506848292	1.003339504	0.315697082	0.999371363	Not Sig
ENSG00000187792	ZNF70	zinc finger protein 70	7621	369.8465946	0.508927815	0.590987889	0.861147622	0.389156744	0.999371363	Not Sig
ENSG00000129028	THAP10	THAP domain containing 10	56906	38.86882898	0.509107058	0.705178597	0.721954779	0.47032228	0.999371363	Not Sig
ENSG00000117408	IPO13	importin 13	9670	660.3755318	0.50954259	0.617800022	0.824769459	0.409502489	0.999371363	Not Sig
ENSG00000257702	LBX2-AS1	LBX2 antisense RNA 1	151534	195.398822	0.509563953	0.592045758	0.860683396	0.38941244	0.999371363	Not Sig
ENSG00000120708	TGFBI	transforming growth factor beta induced	7045	3989.713172	0.509886803	0.424652354	1.200715827	0.229861452	0.999371363	Not Sig
ENSG00000100865	CINP	cyclin dependent kinase 2 interacting protein	51550	382.0499065	0.510087469	0.486111884	1.049321124	0.294030347	0.999371363	Not Sig
ENSG00000269821	KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 (non-protein coding)	10984	3972.434398	0.510094458	0.66626769	0.765599872	0.443914421	0.999371363	Not Sig
ENSG00000188868	ZNF563	zinc finger protein 563	147837	74.15779517	0.510236894	0.523108989	0.975393092	0.329365309	0.999371363	Not Sig
ENSG00000142149	HUNK	hormonally up-regulated Neu-associated kinase	30811	141.7306282	0.510419554	0.690749125	0.73893623	0.459945721	0.999371363	Not Sig
ENSG00000273350	NA	NA	NA	4.255831229	0.510841996	1.621268018	0.315087937	0.752694887	NA	NA
ENSG00000104524	PYCR3	pyrroline-5-carboxylate reductase 3	65263	232.7858529	0.511123169	0.573735569	0.890868889	0.372999512	0.999371363	Not Sig
ENSG00000248092	NA	NA	NA	403.8167226	0.511130863	0.440875054	1.159355374	0.246311359	0.999371363	Not Sig
ENSG00000232004	NA	NA	NA	2.403150079	0.511184343	1.537124118	0.332558924	0.739467254	NA	NA
ENSG00000201155	NA	NA	NA	0.817353185	0.511266355	3.212512011	0.159148465	0.873551905	NA	NA
ENSG00000237876	NA	NA	NA	0.817353185	0.511266355	3.212512011	0.159148465	0.873551905	NA	NA
ENSG00000254630	NA	NA	NA	0.817353185	0.511266355	3.212512011	0.159148465	0.873551905	NA	NA
ENSG00000118096	IFT46	intraflagellar transport 46	56912	285.2552311	0.511450004	0.61618055	0.830032698	0.406520297	0.999371363	Not Sig

ENSG00000252616	NA	NA	NA	2.762479282	0.511635724	1.522292802	0.336095476	0.73679887	NA	NA
ENSG00000254332	NA	NA	NA	2.393999883	0.511708047	1.844048852	0.27749159	0.781402663	NA	NA
ENSG00000159128	IFNGR2	interferon gamma receptor 2	3460	1887.334893	0.511818943	0.384984465	1.329453496	0.183698399	0.999371363	Not Sig
ENSG00000178234	GALNT11	polypeptide N-acetylgalactosaminyltransferase 11	63917	1274.187889	0.512300582	0.401533954	1.275858684	0.202005478	0.999371363	Not Sig
ENSG00000153066	TXNDC11	thioredoxin domain containing 11	51061	2256.268189	0.512630358	0.43468118	1.179324941	0.23826881	0.999371363	Not Sig
ENSG00000253144	NA	NA	NA	1.525135515	0.512696056	2.031744496	0.252342781	0.800776123	NA	NA
ENSG00000208015	MIR362	microRNA 362	574030	1.36664871	0.512743261	2.374334558	0.215952406	0.829024847	NA	NA
ENSG00000198580	NA	NA	NA	16.32517365	0.51283184	0.777195423	0.65984928	0.509350555	0.999371363	Not Sig
ENSG00000106125	MINDY4	MINDY lysine 4 deubiquitinase 4	84182	127.6838844	0.512904858	0.766018992	0.669571986	0.503130677	0.999371363	Not Sig
ENSG00000105948	TTC26	tetratricopeptide repeat domain 26	79989	206.1942492	0.51318853	0.453394644	1.131880442	0.257684702	0.999371363	Not Sig
ENSG00000141905	NFIC	nuclear factor I C	4782	6967.46503	0.513274415	0.677333877	0.757786422	0.448578852	0.999371363	Not Sig
ENSG00000270393	NA	NA	NA	2.251361099	0.513285825	1.839453583	0.279042554	0.780212168	NA	NA
ENSG00000249693	THEGL	theg spermatid protein like	100506564	1.232035874	0.513523299	2.459528697	0.20878931	0.834612717	NA	NA
ENSG00000242899	NA	NA	NA	1.733699808	0.513740988	2.250802463	0.228247923	0.819453507	NA	NA
ENSG00000268093	NA	NA	NA	1.659748351	0.513762621	1.968704573	0.260964813	0.794119642	NA	NA
ENSG00000234315	NA	NA	NA	2.627866446	0.514080565	1.473317196	0.348927282	0.727143903	NA	NA
ENSG00000100600	LGMN	legumain	5641	4664.88787	0.514116693	0.458711748	1.120783795	0.262379904	0.999371363	Not Sig
ENSG00000254286	NA	NA	NA	48.12592567	0.514750166	0.845547966	0.608777014	0.542672252	0.999371363	Not Sig
ENSG00000137806	NDUFAF1	NADH:ubiquinone oxidoreductase complex assembly factor 1	51103	179.6341321	0.51505507	0.434116015	1.186445677	0.235446342	0.999371363	Not Sig
ENSG00000200176	NA	NA	NA	2.184001895	0.51559296	1.560230376	0.330459506	0.741052785	NA	NA
ENSG00000211751	NA	NA	NA	1.634706371	0.515699433	2.641508148	0.195229166	0.845213547	NA	NA
ENSG00000223474	NA	NA	NA	15.9994821	0.515724841	0.743078402	0.69403826	0.487658216	0.999371363	Not Sig
ENSG00000132698	RAB25	RAB25, member RAS oncogene family	57111	1207.417363	0.515826177	0.604993994	0.852613715	0.393873554	0.999371363	Not Sig
ENSG00000236844	NA	NA	NA	0.878014564	0.516113118	2.74240592	0.188197201	0.850722067	NA	NA
ENSG00000261427	NA	NA	NA	0.878014564	0.516113118	2.74240592	0.188197201	0.850722067	NA	NA
ENSG00000265420	MIR4779	microRNA 4779	100616159	0.878014564	0.516113118	2.74240592	0.188197201	0.850722067	NA	NA
ENSG00000132003	ZSWIM4	zinc finger SWIM-type containing 4	65249	700.2424764	0.516434903	0.567160228	0.91056262	0.362525874	0.999371363	Not Sig
ENSG00000164989	CCDC171	coiled-coil domain containing 171	203238	249.4099978	0.516658257	0.556351408	0.928654533	0.353068151	0.999371363	Not Sig
ENSG00000100714	MTHFD1	methylenetetrahydrofolate dehydrogenase, cyclohydrolase and formyltetrahydrofolate synthetase 1	4522	1135.029485	0.517213199	0.450059664	1.149210294	0.250469277	0.999371363	Not Sig
ENSG00000272320	NA	NA	NA	3.811855723	0.517309274	1.246666984	0.414953857	0.678175682	NA	NA
ENSG00000233929	NA	NA	NA	2.268537243	0.517448014	1.80322418	0.286957118	0.774145154	NA	NA
ENSG00000109667	SLC2A9	solute carrier family 2 member 9	56606	222.8853419	0.517554663	0.605952362	0.854117741	0.393039755	0.999371363	Not Sig
ENSG00000157978	LDLRAP1	low density lipoprotein receptor adaptor protein 1	26119	1133.616569	0.517588598	0.635043401	0.815044447	0.415046869	0.999371363	Not Sig
ENSG00000205835	GMNC	geminin coiled-coil domain containing	647309	0.743401728	0.517889878	3.284551943	0.157674437	0.874713345	NA	NA
ENSG00000229001	NA	NA	NA	0.743401728	0.517889878	3.284551943	0.157674437	0.874713345	NA	NA

ENSG00000197451	HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B	3182	2638.361963	0.518064346	0.510214389	1.015385605	0.309922052	0.999371363	Not Sig
ENSG00000049449	RCN1	reticulocalbin 1	5954	2791.224705	0.518843459	0.454636116	1.141227986	0.253775061	0.999371363	Not Sig
ENSG00000049449	PAX6-AS1	PAX6 antisense RNA 1	440034	2791.224705	0.518843459	0.454636116	1.141227986	0.253775061	0.999371363	Not Sig
ENSG00000142530	FAM71E1	family with sequence similarity 71 member E1	112703	31.0868077	0.519213061	0.684358281	0.75868602	0.448040401	0.999371363	Not Sig
ENSG00000225698	NA	NA	NA	79.28785735	0.519233697	0.678632673	0.765117446	0.444201612	0.999371363	Not Sig
ENSG00000158457	TSPAN33	tetraspanin 33	340348	146.1368869	0.519309136	0.525479131	0.988258345	0.32302614	0.999371363	Not Sig
ENSG00000260519	NA	NA	NA	1.531573051	0.519543142	1.977464575	0.262731959	0.792757182	NA	NA
ENSG00000148357	HMCN2	hemicentin 2	256158	175.3588446	0.520182439	1.026427468	0.506789282	0.612302678	0.999371363	Not Sig
ENSG00000124608	AARS2	alanyl-tRNA synthetase 2, mitochondrial	57505	660.951885	0.520778214	0.533782845	0.97563685	0.329244457	0.999371363	Not Sig
ENSG00000237470	NA	NA	NA	3.934877848	0.5208088	1.5045176	0.346163315	0.729219983	NA	NA
ENSG00000164002	EXO5	exonuclease 5	64789	196.5121322	0.521041796	0.478413276	1.089103966	0.276108041	0.999371363	Not Sig
ENSG00000269302	NA	NA	NA	6.037472074	0.521412422	1.526272024	0.341624831	0.732633248	NA	NA
ENSG00000132514	CLEC10A	C-type lectin domain containing 10A	10462	224.494442	0.521782155	0.939469425	0.55540089	0.578620484	0.999371363	Not Sig
ENSG00000101856	PGRMC1	progesterone receptor membrane component 1	10857	1795.69985	0.521909186	0.544668528	0.958214324	0.337954696	0.999371363	Not Sig
ENSG00000162458	FBLIM1	filamin binding LIM protein 1	54751	1025.567042	0.521912549	0.555858927	0.938929868	0.347766753	0.999371363	Not Sig
ENSG00000078018	MAP2	microtubule associated protein 2	4133	1150.106101	0.522144921	0.629036959	0.830070337	0.406499017	0.999371363	Not Sig
ENSG00000067836	ROGDI	rogdi homolog	79641	495.9490985	0.522386316	0.626822817	0.833387526	0.404626208	0.999371363	Not Sig
ENSG00000180340	FZD2	frizzled class receptor 2	2535	234.7806924	0.522533893	0.78818233	0.662960679	0.507355738	0.999371363	Not Sig
ENSG00000173171	MTX1	metaxin 1	4580	236.1713059	0.52269962	0.490207589	1.066282187	0.286296099	0.999371363	Not Sig
ENSG00000260401	NA	NA	NA	131.5355686	0.522713842	0.799169232	0.654071529	0.513065723	0.999371363	Not Sig
ENSG00000197406	DIO3	iodothyronine deiodinase 3	1735	5.887676695	0.522754352	1.49828023	0.348902923	0.727162191	NA	NA
ENSG00000146676	PURB	purine rich element binding protein B	5814	2457.556022	0.522819347	0.532963501	0.980966512	0.326609256	0.999371363	Not Sig
ENSG00000126067	PSMB2	proteasome subunit beta 2	5690	1217.521375	0.523448576	0.404168869	1.29512344	0.19527765	0.999371363	Not Sig
ENSG00000156639	ZFAND3	zinc finger AN1-type containing 3	60685	1949.674524	0.523708512	0.411104104	1.273907284	0.202696277	0.999371363	Not Sig
ENSG00000260719	NA	NA	NA	11.78842585	0.523753849	0.991104502	0.528454717	0.597183769	0.999371363	Not Sig
ENSG00000121766	ZCCHC17	zinc finger CCHC-type containing 17	51538	430.3958972	0.524240153	0.440914749	1.188983028	0.234446346	0.999371363	Not Sig
ENSG00000156219	ART3	ADP-ribosyltransferase 3	419	1.672623422	0.52446848	1.763036503	0.297480216	0.76609991	NA	NA
ENSG00000232024	NA	NA	NA	1.672623422	0.52446848	1.763036503	0.297480216	0.76609991	NA	NA
ENSG00000260156	NA	NA	NA	3.446088984	0.524640463	1.51273536	0.34681576	0.728729737	NA	NA
ENSG00000116741	RGS2	regulator of G protein signaling 2	5997	1162.242336	0.524674248	0.561274641	0.934790581	0.349896235	0.999371363	Not Sig
ENSG00000124279	FASTKD3	FAST kinase domains 3	79072	166.2056377	0.524762494	0.487404459	1.076646888	0.281638049	0.999371363	Not Sig
ENSG00000084652	TXLNA	taxilin alpha	200081	3038.255995	0.525155543	0.470771886	1.115520189	0.264627572	0.999371363	Not Sig
ENSG00000146250	PRSS35	protease, serine 35	167681	20.89687365	0.525270427	1.01738945	0.516292387	0.605650213	0.999371363	Not Sig
ENSG00000232187	NA	NA	NA	9.664515609	0.525616417	0.914697473	0.574634163	0.565538742	0.999371363	Not Sig
ENSG00000137700	SLC37A4	solute carrier family 37 member 4	2542	449.2519092	0.525902	0.502525053	1.046518968	0.295321492	0.999371363	Not Sig

ENSG00000187037	GPR141	G protein-coupled receptor 141	353345	59.80498048	0.525976826	0.742753946	0.708144101	0.478855775	0.999371363	Not Sig
ENSG00000161999	JMJD8	jumonji domain containing 8	339123	1235.558597	0.525994995	0.563835515	0.932887307	0.350878157	0.999371363	Not Sig
ENSG00000004961	HCCS	holocytochrome c synthase	3052	302.8679529	0.526156537	0.544031565	0.9671434	0.333472352	0.999371363	Not Sig
ENSG00000138796	HADH	hydroxyacyl-CoA dehydrogenase	3033	651.0266708	0.526435557	0.399709401	1.317045756	0.187823288	0.999371363	Not Sig
ENSG00000186952	TMEM232	transmembrane protein 232	642987	77.84849382	0.526632205	0.666237157	0.790457572	0.429260591	0.999371363	Not Sig
ENSG00000136270	TBRG4	transforming growth factor beta regulator 4	9238	950.7949782	0.526715049	0.52542694	1.002451548	0.316125557	0.999371363	Not Sig
ENSG00000223588	NA	NA	NA	0.788171323	0.527008549	2.798307485	0.188331179	0.850617045	NA	NA
ENSG00000127081	ZNF484	zinc finger protein 484	83744	406.8804208	0.527060682	0.447868954	1.176818972	0.239267769	0.999371363	Not Sig
ENSG00000211818	NA	NA	NA	2.783076249	0.527120408	1.672595169	0.31515122	0.75264684	NA	NA
ENSG00000214787	MS4A4E	membrane spanning 4-domains A4E	643680	66.30888114	0.527123173	0.782102247	0.67398243	0.500322484	0.999371363	Not Sig
ENSG00000184887	BTBD6	BTB domain containing 6	90135	1195.764951	0.527492421	0.664969426	0.793258157	0.42762743	0.999371363	Not Sig
ENSG00000130816	DNMT1	DNA methyltransferase 1	1786	1852.575503	0.527556732	0.551234297	0.957046278	0.338543897	0.999371363	Not Sig
ENSG00000264380	NA	NA	NA	3.343658432	0.527627032	1.923877026	0.274251953	0.783891005	NA	NA
ENSG00000230091	NA	NA	NA	61.97376726	0.527868563	0.677225325	0.779457802	0.435710086	0.999371363	Not Sig
ENSG00000173540	GMPPB	GDP-mannose pyrophosphorylase B	29925	5.257266645	0.528085826	1.31083348	0.402862632	0.687049282	NA	NA
ENSG00000188365	NA	NA	NA	3.464228186	0.52816156	1.548968234	0.340976366	0.733121374	NA	NA
ENSG00000197586	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative)	955	1355.30945	0.528257789	0.510531992	1.034720248	0.300799577	0.999371363	Not Sig
ENSG00000264819	NA	NA	NA	8.994229929	0.528650474	1.115655503	0.473847413	0.635608721	0.999371363	Not Sig
ENSG00000116521	SCAMP3	secretory carrier membrane protein 3	10067	963.3997404	0.528839206	0.527423277	1.002684615	0.316013055	0.999371363	Not Sig
ENSG00000271699	NA	NA	NA	8.341048081	0.528950935	0.905775087	0.583976026	0.559236442	0.999371363	Not Sig
ENSG00000162129	CLPB	ClpB homolog, mitochondrial AAA ATPase chaperonin	81570	518.1447417	0.528955488	0.476032379	1.111175441	0.26649284	0.999371363	Not Sig
ENSG00000256167	NA	NA	NA	2.664355197	0.529273403	1.774994863	0.298183062	0.765563449	NA	NA
ENSG00000136868	SLC31A1	solute carrier family 31 member 1	1317	1209.751103	0.529597876	0.461475641	1.14761827	0.251126184	0.999371363	Not Sig
ENSG00000249242	TMEM150C	transmembrane protein 150C	441027	219.1578822	0.529708729	0.804007405	0.658835635	0.510001322	0.999371363	Not Sig
ENSG00000143374	TARS2	threonyl-tRNA synthetase 2, mitochondrial (putative)	80222	574.1388984	0.530363574	0.418925224	1.266010123	0.205509458	0.999371363	Not Sig
ENSG00000220201	ZGLP1	zinc finger, GATA-like protein 1	100125288	17.39472223	0.530537434	0.752294319	0.705225895	0.480669669	0.999371363	Not Sig
ENSG00000156050	FAM161B	family with sequence similarity 161 member B	145483	183.421532	0.530608752	0.560648046	0.946420408	0.3439342	0.999371363	Not Sig
ENSG00000065717	TLE2	transducin like enhancer of split 2	7089	1396.546133	0.530662154	0.73716395	0.71986992	0.47160509	0.999371363	Not Sig
ENSG00000197150	ABC8	ATP binding cassette subfamily B member 8	11194	938.7505216	0.53080609	0.57475014	0.92354234	0.355724646	0.999371363	Not Sig
ENSG00000177951	BET1L	Bet1 golgi vesicular membrane trafficking protein like	51272	1201.245415	0.531208718	0.540619835	0.982591988	0.325808289	0.999371363	Not Sig
ENSG00000264856	NA	NA	NA	7.74268189	0.531419359	1.027113939	0.517390855	0.604883343	0.999371363	Not Sig
ENSG00000111087	GLI1	GLI family zinc finger 1	2735	101.6879649	0.531535521	0.658024303	0.807774909	0.419220172	0.999371363	Not Sig
ENSG00000198720	ANKRD13B	ankyrin repeat domain 13B	124930	111.0606972	0.532373751	0.700394043	0.760106052	0.447191195	0.999371363	Not Sig
ENSG00000060762	MPC1	mitochondrial pyruvate carrier 1	51660	452.4485477	0.532412068	0.545202792	0.976539511	0.328797178	0.999371363	Not Sig
ENSG00000216642	NA	NA	NA	2.241491843	0.532437836	2.034202797	0.261742751	0.793519779	NA	NA

ENSG00000025039	RRAGD	Ras related GTP binding D	58528	883.5557592	0.532544617	0.744715199	0.715098359	0.474548268	0.999371363	Not Sig
ENSG000000213862	NA	NA	NA	2.309005765	0.532812962	1.772961098	0.300521519	0.763779385	NA	NA
ENSG000000169083	AR	androgen receptor	367	461.5432898	0.532991072	0.745288721	0.715147105	0.47451815	0.999371363	Not Sig
ENSG000000215807	NA	NA	NA	0.996580898	0.533105325	3.043836009	0.175142591	0.860967593	NA	NA
ENSG000000215954	NA	NA	NA	1.318862402	0.533403677	2.127116716	0.250763709	0.801996801	NA	NA
ENSG000000264500	MIR3124	microRNA 3124	100422879	2.782921531	0.533492798	1.535361824	0.347470407	0.728237947	NA	NA
ENSG000000181847	TIGIT	T-cell immunoreceptor with Ig and ITIM domains	201633	207.246623	0.534075925	0.794252555	0.672425819	0.501312651	0.999371363	Not Sig
ENSG000000235592	NA	NA	NA	0.794608858	0.534196867	2.480977882	0.215317062	0.829520128	NA	NA
ENSG000000258422	NA	NA	NA	0.794608858	0.534196867	2.480977882	0.215317062	0.829520128	NA	NA
ENSG000000226666	NA	NA	NA	2.129363045	0.534712958	1.820457713	0.29372446	0.768968462	NA	NA
ENSG000000108826	MRPL27	mitochondrial ribosomal protein L27	51264	437.1213733	0.534737252	0.45827408	1.166850308	0.243270826	0.999371363	Not Sig
ENSG000000238532	NA	NA	NA	3.773064894	0.534985894	1.384152967	0.386507782	0.69912064	NA	NA
ENSG000000227803	NA	NA	NA	2.167695103	0.534997418	1.559346419	0.343090805	0.731530149	NA	NA
ENSG000000102897	LYRM1	LYR motif containing 1	57149	396.9948017	0.535150788	0.418657372	1.278254782	0.201159606	0.999371363	Not Sig
ENSG000000172345	STARD5	StAR related lipid transfer domain containing 5	80765	140.6402184	0.535161036	0.551660126	0.97009193	0.332000671	0.999371363	Not Sig
ENSG000000106399	RPA3	replication protein A3	6119	246.6537737	0.535191704	0.551261143	0.97084968	0.331623139	0.999371363	Not Sig
ENSG000000215878	NA	NA	NA	2.277111241	0.535617612	1.872698961	0.286013729	0.774867607	NA	NA
ENSG00000009413	REV3L	REV3 like, DNA directed polymerase zeta catalytic subunit	5980	2139.53775	0.535678818	0.416924011	1.284835615	0.198849734	0.999371363	Not Sig
ENSG000000164187	LMBRD2	LMBR1 domain containing 2	92255	867.3676111	0.535847293	0.507958734	1.054903198	0.2914696	0.999371363	Not Sig
ENSG000000262943	ALOX12P2	arachidonate 12-lipoxygenase pseudogene 2	245	349.2400615	0.53594498	0.931835599	0.575149716	0.565190047	0.999371363	Not Sig
ENSG000000134864	GGACT	gamma-glutamylamine cyclotransferase	87769	79.79762656	0.536053291	0.698871742	0.767026707	0.443065637	0.999371363	Not Sig
ENSG000000117519	CNN3	calponin 3	1266	2877.292397	0.536557925	0.480992828	1.115521675	0.264626936	0.999371363	Not Sig
ENSG000000176340	COX8A	cytochrome c oxidase subunit 8A	1351	746.9359179	0.536733853	0.581605691	0.92284835	0.35608624	0.999371363	Not Sig
ENSG000000170776	AKAP13	A-kinase anchoring protein 13	11214	16411.54924	0.536783566	0.477369061	1.124462413	0.260816907	0.999371363	Not Sig
ENSG000000149474	KAT14	lysine acetyltransferase 14	57325	296.3930632	0.53712946	0.571432045	0.939970841	0.347232518	0.999371363	Not Sig
ENSG000000254473	LOC105376114	uncharacterized LOC105376114	105376114	19.16992003	0.537299077	0.719061089	0.747223129	0.454928885	0.999371363	Not Sig
ENSG000000239149	SNORA59A	small nucleolar RNA, H/ACA box 59A	677885	15.01179786	0.537747894	0.86989235	0.618177518	0.536458328	0.999371363	Not Sig
ENSG000000251806	NA	NA	NA	1.679060958	0.537847764	1.96795481	0.273302904	0.784620383	NA	NA
ENSG000000231663	LOC101927765	uncharacterized LOC101927765	101927765	17.28468643	0.53789177	0.929945893	0.5784119	0.562986062	0.999371363	Not Sig
ENSG000000183520	UTP11	UTP11, small subunit processome component	51118	472.5479229	0.538084464	0.447695302	1.201898839	0.229402724	0.999371363	Not Sig
ENSG000000185133	INPP5J	inositol polyphosphate-5-phosphatase J	27124	201.0733703	0.538416616	1.134787878	0.474464547	0.635168674	0.999371363	Not Sig
ENSG000000198221	AFDN-DT	AFDN divergent transcript	653483	17.38296591	0.539586459	0.773475186	0.697613148	0.485419157	0.999371363	Not Sig
ENSG000000175931	UBE2O	ubiquitin conjugating enzyme E2 O	63893	1278.633188	0.539674663	0.558277649	0.966677895	0.333705081	0.999371363	Not Sig
ENSG000000236060	NA	NA	NA	1.874595462	0.539681	1.875564102	0.287743298	0.773543244	NA	NA
ENSG000000204282	TNRC6C-AS1	TNRC6C antisense RNA 1	100131096	311.3621369	0.539896906	0.580028342	0.93081125	0.351951209	0.999371363	Not Sig

ENSG00000232300	NA	NA	NA	7.340880745	0.539903514	0.971541321	0.555718529	0.578403288	0.999371363	Not Sig
ENSG00000134202	GSTM3	glutathione S-transferase mu 3	2947	498.4378882	0.540093331	0.719111614	0.751056332	0.452618754	0.999371363	Not Sig
ENSG00000120498	TEX11	testis expressed 11	56159	1.723830552	0.54022489	1.810071858	0.298454941	0.765355962	NA	NA
ENSG00000183239	NA	NA	NA	3.914115265	0.540420323	1.27736095	0.423075657	0.672240062	NA	NA
ENSG00000127022	CANX	calnexin	821	18510.5337	0.54052349	0.455249951	1.187311472	0.235104785	0.999371363	Not Sig
ENSG00000179241	LDLRAD3	low density lipoprotein receptor class A domain containing 3	143458	177.9365359	0.540683862	0.588941423	0.918060508	0.358587189	0.999371363	Not Sig
ENSG00000197798	FAM118B	family with sequence similarity 118 member B	79607	381.3423857	0.540786838	0.439395669	1.230751408	0.218415855	0.999371363	Not Sig
ENSG00000258788	NA	NA	NA	9.18486065	0.541196511	0.92566008	0.584660096	0.55877629	0.999371363	Not Sig
ENSG00000160075	SSU72	SSU72 homolog, RNA polymerase II CTD phosphatase	29101	1753.133949	0.541363502	0.508042277	1.065587505	0.28661015	0.999371363	Not Sig
ENSG00000081148	IMPG2	interphotoreceptor matrix proteoglycan 2	50939	20.59926815	0.541510291	0.701690354	0.771722581	0.440278754	0.999371363	Not Sig
ENSG00000271787	NA	NA	NA	2.33905698	0.542241396	1.702880485	0.318425985	0.75016183	NA	NA
ENSG00000137207	YIPF3	Yipl domain family member 3	25844	1771.578255	0.54242726	0.547413233	0.990891756	0.321738438	0.999371363	Not Sig
ENSG00000108784	NAGLU	N-acetyl-alpha-glucosaminidase	4669	784.0996483	0.542549199	0.642102795	0.844956918	0.398134893	0.999371363	Not Sig
ENSG00000134061	CD180	CD180 molecule	4064	168.5659238	0.542828561	0.848793204	0.639529815	0.522478324	0.999371363	Not Sig
ENSG00000186583	SPATC1	spermatogenesis and centriole associated 1	375686	12.17093301	0.5432956	0.872746454	0.622512527	0.533604909	0.999371363	Not Sig
ENSG00000231584	FAHD2CP	fumarylacetoacetate hydrolase domain containing 2C, pseudogene	729234	185.0673072	0.544054512	0.599551925	0.907435186	0.36417671	0.999371363	Not Sig
ENSG00000249825	CTD-2201118.1	uncharacterized LOC101929215	101929215	18.99954318	0.544224319	0.789536977	0.689295543	0.490637302	0.999371363	Not Sig
ENSG00000113088	GZMK	granzyme K	3003	82.12138486	0.54430226	0.854280625	0.637146909	0.524029155	0.999371363	Not Sig
ENSG00000150961	SEC24D	SEC24 homolog D, COPII coat complex component	9871	2665.577613	0.544306513	0.588678936	0.924623729	0.355161666	0.999371363	Not Sig
ENSG00000196118	CCDC189	coiled-coil domain containing 189	90835	134.0892395	0.544426959	0.484495787	1.123698024	0.261141155	0.999371363	Not Sig
ENSG00000130988	RGN	regucalcin	9104	229.1765268	0.544439341	0.918684662	0.592629184	0.553429344	0.999371363	Not Sig
ENSG00000187372	PCDHB13	protocadherin beta 13	56123	174.4676594	0.544687909	0.681340041	0.799436222	0.424037514	0.999371363	Not Sig
ENSG00000127526	SLC35E1	solute carrier family 35 member E1	79939	1429.437037	0.544956919	0.50067708	1.088439916	0.276400948	0.999371363	Not Sig
ENSG00000178397	FAM220A	family with sequence similarity 220 member A	84792	366.3952013	0.545165254	0.457448195	1.191752991	0.233358113	0.999371363	Not Sig
ENSG00000169313	P2RY12	purinergic receptor P2Y12	64805	37.51771269	0.545628958	1.061780126	0.513881306	0.607334978	0.999371363	Not Sig
ENSG00000123096	SSPN	sarcospan	8082	345.6314404	0.545680398	0.552982825	0.986794478	0.323743402	0.999371363	Not Sig
ENSG00000084623	EIF3I	eukaryotic translation initiation factor 3 subunit I	8668	1752.728585	0.545927368	0.409446131	1.333331361	0.182423086	0.999371363	Not Sig
ENSG00000167085	PHB	prohibitin	5245	1487.152176	0.546037745	0.554417256	0.984885911	0.324680115	0.999371363	Not Sig
ENSG00000233184	NA	NA	NA	106.2423525	0.546048048	0.685123519	0.79700672	0.425447129	0.999371363	Not Sig
ENSG00000170745	KCNS3	potassium voltage-gated channel modifier subfamily S member 3	3790	930.358648	0.546230996	0.768734818	0.710558418	0.477357918	0.999371363	Not Sig
ENSG00000063660	GPC1	glypican 1	2817	896.8878802	0.54672715	0.608261767	0.898835302	0.368740393	0.999371363	Not Sig
ENSG00000204444	APOM	apolipoprotein M	55937	26.59397973	0.546761086	0.720947818	0.758392039	0.448216322	0.999371363	Not Sig
ENSG00000161888	SPC24	SPC24, NDC80 kinetochore complex component	147841	61.09261089	0.546994241	0.883260428	0.619289876	0.535725413	0.999371363	Not Sig
ENSG00000213654	GPSM3	G protein signaling modulator 3	63940	863.438322	0.547076997	0.774835471	0.706055695	0.480153503	0.999371363	Not Sig
ENSG00000248632	NA	NA	NA	12.29481263	0.547186157	0.90664257	0.603530184	0.546156042	0.999371363	Not Sig

ENSG00000227615	NA	NA	NA	18.41286951	0.547759054	0.73912176	0.741094477	0.458636158	0.999371363	Not Sig
ENSG00000170638	TRABD	TraB domain containing	80305	1194.59094	0.547799832	0.573125575	0.955811179	0.339167639	0.999371363	Not Sig
ENSG00000169955	ZNF747	zinc finger protein 747	65988	148.0993485	0.548163576	0.470402222	1.165308221	0.243894252	0.999371363	Not Sig
ENSG00000248228	SLIT2-IT1	SLIT2 intronic transcript 1	100505893	22.27605382	0.54853649	0.873490054	0.627982526	0.530015387	0.999371363	Not Sig
ENSG00000196449	YRDC	yrnC N6-threonylcarbamoyltransferase domain containing	79693	294.9611147	0.548645897	0.454107842	1.20818415	0.226976437	0.999371363	Not Sig
ENSG00000169660	HEXDC	hexosaminidase D	284004	921.7495857	0.548736348	0.631238578	0.869301033	0.384682498	0.999371363	Not Sig
ENSG00000110442	COMMD9	COMM domain containing 9	29099	511.8099113	0.548749371	0.502727481	1.091544409	0.275033402	0.999371363	Not Sig
ENSG00000166348	USP54	ubiquitin specific peptidase 54	159195	2055.189948	0.548852628	0.459165256	1.195327	0.231959295	0.999371363	Not Sig
ENSG00000200670	NA	NA	NA	1.003018434	0.548926122	3.001348549	0.18289316	0.85488185	NA	NA
ENSG00000262519	NA	NA	NA	1.003018434	0.548926122	3.001348549	0.18289316	0.85488185	NA	NA
ENSG00000159712	NA	NA	NA	18.20587704	0.549214528	1.21760451	0.451061509	0.651945218	0.999371363	Not Sig
ENSG00000159023	EPB41	erythrocyte membrane protein band 4.1	2035	2845.662168	0.549567666	0.42069311	1.306338642	0.191437422	0.999371363	Not Sig
ENSG00000264364	DYNLL2	dynein light chain LC8-type 2	140735	2822.717444	0.549725172	0.48646828	1.130032923	0.258462352	0.999371363	Not Sig
ENSG00000106066	CPVL	carboxypeptidase, vitellogenic like	54504	698.8131427	0.549746911	0.737453218	0.745466828	0.455989557	0.999371363	Not Sig
ENSG00000222831	MIR1537	microRNA 1537	100302139	15.62644367	0.550018713	0.785228842	0.700456585	0.483642209	0.999371363	Not Sig
ENSG00000175984	DENND2C	DENN domain containing 2C	163259	164.3768239	0.550057516	0.614646811	0.894916407	0.370831776	0.999371363	Not Sig
ENSG00000242485	MRPL20	mitochondrial ribosomal protein L20	55052	834.0481085	0.550077401	0.439323359	1.252101419	0.210532911	0.999371363	Not Sig
ENSG00000254759	NA	NA	NA	2.090726933	0.550091703	1.556471568	0.353422262	0.723771899	NA	NA
ENSG00000171786	NHLH1	nescient helix-loop-helix 1	4807	4.043159918	0.550237253	1.485750225	0.370343039	0.71112691	NA	NA
ENSG00000251866	SCARNA21B	small Cajal body-specific RNA 21B	107397391	6.14746469	0.550639336	1.379440694	0.399175795	0.689763677	NA	NA
ENSG00000258429	PDF	peptide deformylase, mitochondrial	64146	99.46045859	0.551439136	0.638813361	0.863224174	0.388014225	0.999371363	Not Sig
ENSG00000162814	SPATA17	spermatogenesis associated 17	128153	96.36625483	0.551492579	0.72425168	0.761465379	0.44637915	0.999371363	Not Sig
ENSG00000262583	NA	NA	NA	8.465886336	0.551957936	0.927516549	0.595092278	0.55178179	0.999371363	Not Sig
ENSG00000258099	ATXN2-AS	ATXN2 antisense RNA	102723619	12.47173287	0.552181667	0.807671	0.683671528	0.494182606	0.999371363	Not Sig
ENSG00000207062	SNORA15B-1	small nucleolar RNA, H/ACA box 15B-1	109616962	1.730268088	0.552679757	1.980877235	0.279007576	0.78023901	NA	NA
ENSG00000207062	SNORA15B-2	small nucleolar RNA, H/ACA box 15B-2	109617022	1.730268088	0.552679757	1.980877235	0.279007576	0.78023901	NA	NA
ENSG00000173674	EIF1AX	eukaryotic translation initiation factor 1A, X-linked	1964	2091.461444	0.552893632	0.535670125	1.032153196	0.302000357	0.999371363	Not Sig
ENSG00000173674	LOC107984923	eukaryotic translation initiation factor 1A, X-chromosomal	107984923	2091.461444	0.552893632	0.535670125	1.032153196	0.302000357	0.999371363	Not Sig
ENSG00000226445	LOC101929523	uncharacterized LOC101929523	101929523	9.092864665	0.552901333	1.13391405	0.48760427	0.62583017	0.999371363	Not Sig
ENSG00000092208	GEMIN2	gem nuclear organelle associated protein 2	8487	127.7043367	0.553000426	0.514996897	1.073793704	0.282915152	0.999371363	Not Sig
ENSG00000146955	RAB19	RAB19, member RAS oncogene family	401409	73.76598569	0.553113042	0.634417581	0.871843811	0.38329359	0.999371363	Not Sig
ENSG00000170298	LGALS9B	galectin 9B	284194	27.00395145	0.553381088	1.329653041	0.416184576	0.677274945	0.999371363	Not Sig
ENSG00000102967	DHODH	dihydroorotate dehydrogenase (quinone)	1723	184.3198181	0.55339266	0.488336977	1.133218833	0.257122367	0.999371363	Not Sig
ENSG00000168350	DEGS2	delta 4-desaturase, sphingolipid 2	123099	155.641658	0.55339499	0.756366149	0.731649599	0.464382467	0.999371363	Not Sig
ENSG00000264771	NA	NA	NA	2.627855549	0.553740533	1.571828906	0.35229059	0.724620344	NA	NA

ENSG00000138795	LEF1	lymphoid enhancer binding factor 1	51176	271.4105191	0.554594888	0.527296932	1.051769609	0.292905266	0.999371363	Not Sig
ENSG00000187185	NA	NA	NA	77.22114119	0.555083892	0.546417293	1.01586077	0.309695693	0.999371363	Not Sig
ENSG00000121057	AKAP1	A-kinase anchoring protein 1	8165	1981.545072	0.555711544	0.581472569	0.955696921	0.339225379	0.999371363	Not Sig
ENSG00000273133	NA	NA	NA	15.70110867	0.555865741	0.932563327	0.596062192	0.55113368	0.999371363	Not Sig
ENSG00000184100	NA	NA	NA	2.097164469	0.556164525	1.573025623	0.353563551	0.723665994	NA	NA
ENSG00000160695	VPS11	VPS11, CORVET/HOPS core subunit	55823	1027.01388	0.556196832	0.482083108	1.153736407	0.248608253	0.999371363	Not Sig
ENSG00000156253	RWDD2B	RWD domain containing 2B	10069	291.7856404	0.556543561	0.483375433	1.151369149	0.2495804	0.999371363	Not Sig
ENSG00000184828	ZBTB7C	zinc finger and BTB domain containing 7C	201501	570.0553458	0.5569565	1.001068107	0.556362246	0.577963243	0.999371363	Not Sig
ENSG00000245888	FLJ21408	uncharacterized LOC400512	400512	19.98936177	0.557071384	0.708053796	0.786764207	0.43141991	0.999371363	Not Sig
ENSG00000117682	DHDDS	dehydrodolichyl diphosphate synthase subunit	79947	844.53058	0.557279506	0.426150073	1.307707169	0.190972651	0.999371363	Not Sig
ENSG00000234161	PABPC5-AS1	PABPC5 antisense RNA 1	102724167	4.098048161	0.557286905	1.241447375	0.448900949	0.653503111	NA	NA
ENSG00000132563	REEP2	receptor accessory protein 2	51308	14.02026083	0.557744211	0.820347896	0.679887416	0.49657575	0.999371363	Not Sig
ENSG00000197085	NPSR1-AS1	NPSR1 antisense RNA 1	404744	7.850051803	0.557979673	1.446849844	0.385651403	0.699754858	0.999371363	Not Sig
ENSG00000085721	RRN3	RRN3 homolog, RNA polymerase I transcription factor	54700	1207.331254	0.55815861	0.420510336	1.327336243	0.18439748	0.999371363	Not Sig
ENSG00000121753	ADGRB2	adhesion G protein-coupled receptor B2	576	90.29528011	0.55828074	0.593540099	0.940594816	0.34691254	0.999371363	Not Sig
ENSG00000252087	NA	NA	NA	3.476384197	0.558884334	1.453718416	0.384451574	0.700643781	NA	NA
ENSG00000119900	OGFRL1	opioid growth factor receptor like 1	79627	1610.95438	0.558885781	0.620549249	0.900630824	0.36778464	0.999371363	Not Sig
ENSG00000267009	NA	NA	NA	15.01421726	0.559146492	0.988453307	0.565678204	0.571612554	0.999371363	Not Sig
ENSG00000162522	KIAA1522	KIAA1522	57648	4214.83292	0.559309361	0.530350626	1.054603	0.291606931	0.999371363	Not Sig
ENSG00000117411	B4GALT2	beta-1,4-galactosyltransferase 2	8704	683.3139825	0.55999597	0.550384171	1.017463801	0.308932844	0.999371363	Not Sig
ENSG00000169976	SF3B5	splicing factor 3b subunit 5	83443	629.3293374	0.560129098	0.487536486	1.14889678	0.250598546	0.999371363	Not Sig
ENSG00000117500	TMED5	transmembrane p24 trafficking protein 5	50999	2155.887695	0.560268576	0.61365505	0.913002469	0.361241243	0.999371363	Not Sig
ENSG00000151320	AKAP6	A-kinase anchoring protein 6	9472	592.5104339	0.56050946	0.6480824	0.864873758	0.387108082	0.999371363	Not Sig
ENSG00000228863	NA	NA	NA	6.593897962	0.560549266	1.162941978	0.482009658	0.629799085	0.999371363	Not Sig
ENSG00000170006	TMEM154	transmembrane protein 154	201799	481.1190833	0.561030908	0.412883267	1.358812412	0.174206039	0.999371363	Not Sig
ENSG00000235421	NA	NA	NA	1.009455969	0.561191262	3.036285501	0.184828226	0.853363768	NA	NA
ENSG00000235559	NA	NA	NA	1.009455969	0.561191262	3.036285501	0.184828226	0.853363768	NA	NA
ENSG00000171603	CLSTN1	calsyntenin 1	22883	4889.952486	0.561584594	0.58784799	0.955322811	0.339414475	0.999371363	Not Sig
ENSG00000219891	NA	NA	NA	37.47366445	0.561692296	0.592348208	0.948246805	0.343003825	0.999371363	Not Sig
ENSG00000005022	SLC25A5	solute carrier family 25 member 5	292	2449.775196	0.561870948	0.518900943	1.08280965	0.278892921	0.999371363	Not Sig
ENSG00000149792	MRPL49	mitochondrial ribosomal protein L49	740	869.2553157	0.562066611	0.466967809	1.203651729	0.228724217	0.999371363	Not Sig
ENSG00000198744	NA	NA	NA	78.32176712	0.56216231	0.839770365	0.669423849	0.503225143	0.999371363	Not Sig
ENSG00000227507	LTB	lymphotoxin beta	4050	238.7590554	0.562370046	0.720890799	0.780104347	0.435329458	0.999371363	Not Sig
ENSG00000253414	NA	NA	NA	4.71801814	0.562597544	1.250169593	0.45001698	0.652698197	NA	NA
ENSG00000188976	NOC2L	NOC2 like nucleolar associated transcriptional repressor	26155	1657.266519	0.562676097	0.542459143	1.037269081	0.299610471	0.999371363	Not Sig

ENSG00000223551	NA	NA	NA	17.06830748	0.563000217	0.83735176	0.672358074	0.501355767	0.999371363	Not Sig
ENSG00000143850	PLEKHA6	pleckstrin homology domain containing A6	22874	2079.281119	0.5632504	0.737054557	0.764190921	0.444753476	0.999371363	Not Sig
ENSG00000255224	NA	NA	NA	22.20631689	0.563323839	0.706470516	0.797377705	0.425231704	0.999371363	Not Sig
ENSG00000250616	NA	NA	NA	21.34256018	0.56392245	0.703796705	0.801257588	0.422982539	0.999371363	Not Sig
ENSG00000261139	NA	NA	NA	8.100407357	0.564396268	0.973439175	0.579796132	0.562052106	0.999371363	Not Sig
ENSG00000149927	DOC2A	double C2 domain alpha	8448	63.77582203	0.564828199	0.992532206	0.569077956	0.569303238	0.999371363	Not Sig
ENSG00000184205	TSPYL2	TSPY like 2	64061	788.3773441	0.56492423	0.53048445	1.064921377	0.286911511	0.999371363	Not Sig
ENSG00000197119	SLC25A29	solute carrier family 25 member 29	123096	1750.209401	0.564925006	0.584802607	0.966009725	0.334039315	0.999371363	Not Sig
ENSG00000230069	NA	NA	NA	114.9198098	0.564989465	0.465124957	1.214704687	0.224478744	0.999371363	Not Sig
ENSG00000221430	MIR1294	microRNA 1294	100302181	4.926427715	0.56512802	1.22769966	0.460314553	0.645290457	NA	NA
ENSG00000105246	EBI3	Epstein-Barr virus induced 3	10148	32.1482025	0.565290247	0.657469164	0.859797353	0.389900759	0.999371363	Not Sig
ENSG00000135436	FAM186B	family with sequence similarity 186 member B	84070	14.12486717	0.565469024	0.733242945	0.771189179	0.440594807	0.999371363	Not Sig
ENSG00000135537	AFG1L	AFG1 like ATPase	246269	186.2428152	0.565487977	0.497124756	1.137517234	0.255322124	0.999371363	Not Sig
ENSG00000213123	TCTEX1D2	Tctex1 domain containing 2	255758	19.49532063	0.565618819	0.70783776	0.799079749	0.424244171	0.999371363	Not Sig
ENSG00000117748	RPA2	replication protein A2	6118	705.2635487	0.566158107	0.474311706	1.193641438	0.232618257	0.999371363	Not Sig
ENSG00000164116	GUCY1A3	guanylate cyclase 1 soluble subunit alpha	2982	1186.37626	0.566228732	0.611262923	0.926325989	0.354276594	0.999371363	Not Sig
ENSG00000260293	NA	NA	NA	6.663238911	0.566542	1.040699369	0.54438584	0.586175988	0.999371363	Not Sig
ENSG00000250327	NA	NA	NA	10.28140441	0.566712481	1.083976965	0.522808601	0.601107453	0.999371363	Not Sig
ENSG00000125901	MRPS26	mitochondrial ribosomal protein S26	64949	610.1908489	0.566746561	0.526699282	1.076034429	0.281911859	0.999371363	Not Sig
ENSG00000056736	IL17RB	interleukin 17 receptor B	55540	138.0942533	0.566952084	0.491464623	1.153596937	0.248665455	0.999371363	Not Sig
ENSG00000231530	NA	NA	NA	3.168566177	0.567226843	1.515749417	0.374222043	0.708239126	NA	NA
ENSG00000235183	NA	NA	NA	10.37021806	0.56751135	0.906762001	0.625865828	0.53140295	0.999371363	Not Sig
ENSG00000100321	SYNGR1	synaptogyrin 1	9145	277.3521119	0.567842089	1.049836092	0.540886424	0.588585869	0.999371363	Not Sig
ENSG00000231967	NA	NA	NA	3.316314374	0.568073728	1.357776935	0.418385166	0.675665531	NA	NA
ENSG00000175857	GAPT	GRB2 binding adaptor protein, transmembrane	202309	61.95624578	0.56895338	0.86230337	0.659806513	0.509378003	0.999371363	Not Sig
ENSG00000198832	SELENOM	selenoprotein M	140606	898.9372083	0.568991258	0.605176326	0.940207397	0.347111188	0.999371363	Not Sig
ENSG00000053524	MCF2L2	MCF.2 cell line derived transforming sequence-like 2	23101	62.98884094	0.569134702	0.658586567	0.864175996	0.387491217	0.999371363	Not Sig
ENSG00000131779	PEX11B	peroxisomal biogenesis factor 11 beta	8799	438.8084163	0.569250022	0.428057087	1.329846041	0.183569003	0.999371363	Not Sig
ENSG00000214432	VPS33B-DT	VPS33B divergent transcript	101926911	2.553600039	0.569669538	1.549226737	0.367712178	0.713087859	NA	NA
ENSG00000155066	PROM2	prominin 2	150696	1162.006895	0.569669933	0.785909516	0.724854352	0.468541387	0.999371363	Not Sig
ENSG00000185222	TCEAL9	transcription elongation factor A like 9	51186	395.6593847	0.570976074	0.725818331	0.786665271	0.431477839	0.999371363	Not Sig
ENSG00000151502	VPS26B	VPS26, retromer complex component B	112936	1293.555829	0.571723785	0.467587951	1.222708548	0.221439797	0.999371363	Not Sig
ENSG00000179342	NA	NA	NA	3.016516907	0.572346407	1.438691557	0.397824262	0.690759732	NA	NA
ENSG00000143799	PARP1	poly(ADP-ribose) polymerase 1	142	2922.488761	0.572486658	0.445808718	1.284153126	0.199088383	0.999371363	Not Sig
ENSG00000160323	ADAMTS13	ADAM metalloproteinase with thrombospondin type 1 motif 13	11093	137.9005406	0.572543015	0.883468466	0.648062763	0.516944357	0.999371363	Not Sig

ENSG00000149809	TM7SF2	transmembrane 7 superfamily member 2	7108	593.7759717	0.572795381	0.611435425	0.936804375	0.348859195	0.999371363	Not Sig
ENSG00000150667	FSIP1	fibrous sheath interacting protein 1	161835	14.51046267	0.572981157	0.788695864	0.7264919	0.467537271	0.999371363	Not Sig
ENSG00000269793	ZIM2-AS1	ZIM2 antisense RNA 1	101929059	2.688058157	0.572982954	1.736909601	0.329886457	0.741485757	NA	NA
ENSG00000165501	LRR1	leucine rich repeat protein 1	122769	122.4393735	0.573280008	0.490905657	1.167800778	0.242887134	0.999371363	Not Sig
ENSG00000033100	CHPF2	chondroitin polymerizing factor 2	54480	2119.667563	0.573599567	0.515288654	1.113161649	0.26563901	0.999371363	Not Sig
ENSG00000100767	PAPLN	papilin, proteoglycan like sulfated glycoprotein	89932	916.9820754	0.573693779	0.458043188	1.252488399	0.210391953	0.999371363	Not Sig
ENSG00000228470	NA	NA	NA	2.276392181	0.574190013	1.771296845	0.324163629	0.745814156	NA	NA
ENSG00000234745	HLA-B	major histocompatibility complex, class I, B	3106	41351.15991	0.574607843	0.948946311	0.605521973	0.544832229	0.999371363	Not Sig
ENSG00000004142	POLDIP2	DNA polymerase delta interacting protein 2	26073	1332.312952	0.574654695	0.447031436	1.28549057	0.19862091	0.999371363	Not Sig
ENSG00000179918	SEPHS2	selenophosphate synthetase 2	22928	1334.777697	0.57469515	0.518907956	1.107508844	0.268073991	0.999371363	Not Sig
ENSG00000120328	PCDHB12	protocadherin beta 12	56124	107.7708316	0.574793296	0.661725824	0.868627572	0.385050868	0.999371363	Not Sig
ENSG00000141756	FKBP10	FK506 binding protein 10	60681	1160.719077	0.574880749	0.73859464	0.778344058	0.436366209	0.999371363	Not Sig
ENSG00000272186	NA	NA	NA	2.7408537	0.574983253	1.673225647	0.343637604	0.731118841	NA	NA
ENSG00000202124	NA	NA	NA	1.804064827	0.574995653	1.729895156	0.332387573	0.739596621	NA	NA
ENSG00000131951	LRRC9	leucine rich repeat containing 9	341883	9.976621426	0.575076751	1.325874028	0.433734079	0.664481556	0.999371363	Not Sig
ENSG00000196683	TOMM7	translocase of outer mitochondrial membrane 7	54543	1611.601216	0.575177797	0.515005972	1.116837142	0.264063965	0.999371363	Not Sig
ENSG00000227766	NA	NA	NA	50.40171128	0.575194313	0.972433374	0.591499971	0.554185474	0.999371363	Not Sig
ENSG00000157617	C2CD2	C2 calcium dependent domain containing 2	25966	1252.091823	0.576173638	0.481814358	1.19584157	0.23175839	0.999371363	Not Sig
ENSG00000187678	SPRY4	sprouty RTK signaling antagonist 4	81848	1706.875234	0.576320862	0.541685522	1.063939939	0.287355909	0.999371363	Not Sig
ENSG00000207865	NA	NA	NA	20.22571454	0.576503285	0.745092321	0.77373403	0.439088091	0.999371363	Not Sig
ENSG00000272114	NA	NA	NA	3.698538197	0.57693568	1.276382761	0.452008361	0.651262959	NA	NA
ENSG00000213621	NA	NA	NA	3.698798486	0.577552912	1.378511747	0.418968437	0.6752392	NA	NA
ENSG00000215251	FASTKD5	FAST kinase domains 5	60493	411.0488984	0.577565103	0.433474978	1.332407019	0.182726477	0.999371363	Not Sig
ENSG00000251476	NA	NA	NA	2.620698953	0.578295952	1.439252397	0.401803015	0.687829003	NA	NA
ENSG00000163293	NIPAL1	NIPA like domain containing 1	152519	90.07310954	0.578653591	0.824088375	0.702174195	0.482570537	0.999371363	Not Sig
ENSG00000175318	GRAMD2A	GRAM domain containing 2A	196996	677.1367593	0.579056967	0.98779034	0.586214447	0.557731415	0.999371363	Not Sig
ENSG00000143543	JTB	jumping translocation breakpoint	10899	1912.13896	0.579623716	0.477553287	1.213736208	0.224848473	0.999371363	Not Sig
ENSG00000114054	PCCB	propionyl-CoA carboxylase beta subunit	5096	742.7675177	0.579781308	0.446131803	1.299574036	0.193747003	0.999371363	Not Sig
ENSG00000263053	NA	NA	NA	50.20126822	0.580445203	0.634200036	0.915239941	0.360065681	0.999371363	Not Sig
ENSG00000257052	NA	NA	NA	5.538798621	0.580526253	1.408544675	0.412146141	0.680232311	NA	NA
ENSG00000141458	NPC1	NPC intracellular cholesterol transporter 1	4864	2153.15164	0.58071413	0.519946822	1.116872159	0.26404899	0.999371363	Not Sig
ENSG00000108406	DHX40	DEAH-box helicase 40	79665	1073.422826	0.580903285	0.422826306	1.373857957	0.169485784	0.999371363	Not Sig
ENSG00000119699	TGFB3	transforming growth factor beta 3	7043	478.4284552	0.581224251	0.531081728	1.094415831	0.273772644	0.999371363	Not Sig
ENSG00000160602	NEK8	NIMA related kinase 8	284086	270.2705924	0.581365344	0.515636529	1.127471214	0.259543305	0.999371363	Not Sig
ENSG00000215045	GRID2IP	Grid2 interacting protein	392862	63.27468624	0.581548497	0.587525758	0.989826384	0.322258986	0.999371363	Not Sig

ENSG00000211917	NA	NA	NA	0.845815988	0.581829872	3.18885469	0.182457317	0.855223848	NA	NA
ENSG00000221579	NA	NA	NA	0.845815988	0.581829872	3.18885469	0.182457317	0.855223848	NA	NA
ENSG00000236841	LOC101929532	uncharacterized LOC101929532	101929532	0.845815988	0.581829872	3.18885469	0.182457317	0.855223848	NA	NA
ENSG00000069974	RAB27A	RAB27A, member RAS oncogene family	5873	1874.836984	0.582530647	0.465819184	1.250551	0.211098337	0.999371363	Not Sig
ENSG00000151503	NCAPD3	non-SMC condensin II complex subunit D3	23310	808.713062	0.58254076	0.524445258	1.11077515	0.266665145	0.999371363	Not Sig
ENSG00000115419	GLS	glutaminase	2744	4043.91903	0.58270906	0.534049227	1.091114883	0.275222335	0.999371363	Not Sig
ENSG00000107798	LIPA	lipase A, lysosomal acid type	3988	2646.230709	0.582903465	0.753230524	0.773871274	0.439006918	0.999371363	Not Sig
ENSG00000100280	AP1B1	adaptor related protein complex 1 beta 1 subunit	162	2958.125971	0.583122347	0.585539278	0.995872299	0.319312196	0.999371363	Not Sig
ENSG00000213225	NA	NA	NA	1.624118055	0.583410746	1.93339402	0.301754707	0.762839061	NA	NA
ENSG00000173852	DPY19L1	dpy-19 like C-mannosyltransferase 1	23333	2384.133295	0.583763971	0.766972096	0.761128044	0.446580592	0.999371363	Not Sig
ENSG00000264510	NA	NA	NA	7.017896754	0.583856162	1.172970198	0.497758735	0.618654104	0.999371363	Not Sig
ENSG00000110321	EIF4G2	eukaryotic translation initiation factor 4 gamma 2	1982	18525.3394	0.583893408	0.379568449	1.538308596	0.123973179	0.999371363	Not Sig
ENSG00000143891	GALM	galactose mutarotase	130589	684.3361752	0.584096235	0.510629025	1.1438759	0.252675107	0.999371363	Not Sig
ENSG00000228436	LOC105378663	uncharacterized LOC105378663	105378663	30.57649439	0.584364034	0.675073615	0.86563009	0.386693049	0.999371363	Not Sig
ENSG00000265650	NA	NA	NA	3.038542174	0.585026723	1.39805789	0.418456723	0.675613222	NA	NA
ENSG00000188693	CYP51A1-AS1	CYP51A1 antisense RNA 1	613126	3.706957477	0.585115938	1.849882986	0.316298892	0.751775652	NA	NA
ENSG00000115946	PNO1	partner of NOB1 homolog	56902	278.6232669	0.585643466	0.559777117	1.046208299	0.295464872	0.999371363	Not Sig
ENSG00000167286	CD3D	CD3d molecule	915	111.9640046	0.585695726	0.717409206	0.816403974	0.414269125	0.999371363	Not Sig
ENSG00000007923	DNAJC11	DnaJ heat shock protein family (Hsp40) member C11	55735	1004.393279	0.586527804	0.517143082	1.134169293	0.256723542	0.999371363	Not Sig
ENSG00000054983	GALC	galactosylceramidase	2581	1081.120225	0.58680987	0.515995235	1.137238931	0.255438416	0.999371363	Not Sig
ENSG00000185974	GRK1	G protein-coupled receptor kinase 1	6011	8.625724985	0.587068438	1.347748147	0.435592094	0.663132708	0.999371363	Not Sig
ENSG00000170425	ADORA2B	adenosine A2b receptor	136	170.7125257	0.588491933	0.579784833	1.015017813	0.310097337	0.999371363	Not Sig
ENSG00000254806	SYS1-DBNDD2	SYS1-DBNDD2 readthrough (NMD candidate)	767557	1.920234409	0.588969065	2.527607523	0.233014446	0.815750189	NA	NA
ENSG00000004139	SARM1	sterile alpha and TIR motif containing 1	23098	644.4595825	0.589044415	0.585029579	1.006862619	0.314000798	0.999371363	Not Sig
ENSG00000146950	SHROOM2	shroom family member 2	357	823.6534933	0.589195018	0.767937651	0.7672433	0.442936873	0.999371363	Not Sig
ENSG00000184293	CLECL1	C-type lectin like 1	160365	25.75920308	0.589195141	1.015672035	0.580103735	0.561844666	0.999371363	Not Sig
ENSG00000224411	NA	NA	NA	14.27156508	0.589865137	0.796994434	0.74011199	0.459232044	0.999371363	Not Sig
ENSG00000097046	CDC7	cell division cycle 7	8317	285.3821543	0.58994361	0.8021456	0.735457017	0.462061208	0.999371363	Not Sig
ENSG00000261441	NA	NA	NA	5.431917672	0.59036133	1.267353944	0.465821985	0.641342927	NA	NA
ENSG00000197822	OCLN	occludin	100506658	2062.378489	0.59070088	0.456373695	1.29433595	0.195549404	0.999371363	Not Sig
ENSG00000166483	WEE1	WEE1 G2 checkpoint kinase	7465	1217.40938	0.590775959	0.684883161	0.862593787	0.388360848	0.999371363	Not Sig
ENSG00000197992	CLEC9A	C-type lectin domain containing 9A	283420	11.78580469	0.590951561	1.077712579	0.548338743	0.583459329	0.999371363	Not Sig
ENSG00000059915	PSD	pleckstrin and Sec7 domain containing	5662	102.0405857	0.59095842	0.649841631	0.909388367	0.36314516	0.999371363	Not Sig
ENSG00000232613	NA	NA	NA	8.926789844	0.590996691	0.918081417	0.643730153	0.519750433	0.999371363	Not Sig
ENSG00000168936	TMEM129	transmembrane protein 129	92305	1095.816094	0.591046578	0.719685962	0.821256228	0.411500335	0.999371363	Not Sig

ENSG00000169733	RFNG	RFNG 0-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	5986	681.8986009	0.591146629	0.602685759	0.98085382	0.326664833	0.999371363	Not Sig
ENSG00000259775	NA	NA	NA	8.433406753	0.591593045	0.96127857	0.615423108	0.538275335	0.999371363	Not Sig
ENSG00000099260	PALMD	palmdelphin	54873	544.5296792	0.591668079	0.849683923	0.696339031	0.486216535	0.999371363	Not Sig
ENSG00000234004	NA	NA	NA	4.060829452	0.592261138	1.512398255	0.391603955	0.695350865	NA	NA
ENSG00000066813	ACSM2B	acyl-CoA synthetase medium chain family member 2B	348158	0.771864531	0.592602777	3.256691674	0.181964655	0.855610464	NA	NA
ENSG00000185313	SCN10A	sodium voltage-gated channel alpha subunit 10	6336	0.771864531	0.592602777	3.256691674	0.181964655	0.855610464	NA	NA
ENSG00000236550	NA	NA	NA	0.771864531	0.592602777	3.256691674	0.181964655	0.855610464	NA	NA
ENSG00000241923	NA	NA	NA	0.771864531	0.592602777	3.256691674	0.181964655	0.855610464	NA	NA
ENSG00000105866	SP4	Sp4 transcription factor	6671	660.7942141	0.593247051	0.571094738	1.038789209	0.298902781	0.999371363	Not Sig
ENSG00000183978	COA3	cytochrome c oxidase assembly factor 3	28958	680.5706557	0.593751254	0.636518577	0.932810566	0.350917785	0.999371363	Not Sig
ENSG00000112242	E2F3	E2F transcription factor 3	1871	534.0107775	0.593819235	0.635639254	0.934207935	0.350196643	0.999371363	Not Sig
ENSG00000084072	PPIE	peptidylprolyl isomerase E	10450	708.6811598	0.593917192	0.411814098	1.442197326	0.149246715	0.999371363	Not Sig
ENSG00000125457	MIF4GD	MIF4G domain containing	57409	317.2255675	0.594214212	0.666152205	0.892009675	0.372387747	0.999371363	Not Sig
ENSG00000089737	DDX24	DEAD-box helicase 24	57062	3612.403067	0.594344654	0.582593066	1.020171177	0.307647285	0.999371363	Not Sig
ENSG00000234160	NA	NA	NA	16.10696548	0.594364774	0.828234967	0.717628207	0.472986561	0.999371363	Not Sig
ENSG00000237254	NA	NA	NA	3.807389992	0.594440738	1.315512365	0.451870125	0.651362547	NA	NA
ENSG00000142675	CNKSR1	connector enhancer of kinase suppressor of Ras 1	10256	713.8573653	0.594752811	0.634407117	0.937493913	0.348504554	0.999371363	Not Sig
ENSG00000196167	NA	NA	NA	418.9754337	0.594994168	0.995021434	0.597971207	0.549859145	0.999371363	Not Sig
ENSG00000180185	FAHD1	fumarylacetoacetate hydrolase domain containing 1	81889	324.1458668	0.595329177	0.42600626	1.397465794	0.162273546	0.999371363	Not Sig
ENSG00000144867	SRPRB	SRP receptor beta subunit	58477	790.6091759	0.595877303	0.525937617	1.132980954	0.257222251	0.999371363	Not Sig
ENSG00000264675	MIR4285	microRNA 4285	100422858	3.541181034	0.596158704	1.514137931	0.393728135	0.693781767	NA	NA
ENSG00000072274	TFRC	transferrin receptor	7037	3636.360793	0.596163311	0.595991115	1.000288925	0.317170705	0.999371363	Not Sig
ENSG00000259328	NA	NA	NA	11.1400357	0.596732318	0.997693037	0.598112141	0.54976511	0.999371363	Not Sig
ENSG00000103460	TOX3	TOX high mobility group box family member 3	27324	680.2520065	0.59762463	0.987269609	0.605330727	0.544959269	0.999371363	Not Sig
ENSG00000225968	ELFN1	extracellular leucine rich repeat and fibronectin type III domain containing 1	392617	53.96608917	0.597699172	0.663880055	0.900311988	0.367954243	0.999371363	Not Sig
ENSG00000243323	PTPRVP	protein tyrosine phosphatase, receptor type V, pseudogene	148713	36.56827642	0.5979349	0.558076857	1.071420348	0.283980467	0.999371363	Not Sig
ENSG00000239184	NA	NA	NA	0.852253524	0.598099029	3.183770763	0.187858698	0.850987421	NA	NA
ENSG00000186577	SMIM29	small integral membrane protein 29	221491	237.916717	0.598381843	0.733883825	0.815363171	0.414864459	0.999371363	Not Sig
ENSG00000186509	OR9Q1	olfactory receptor family 9 subfamily Q member 1	219956	0.778302067	0.598387809	2.80892548	0.213030859	0.831302893	NA	NA
ENSG00000254687	NA	NA	NA	0.778302067	0.598387809	2.80892548	0.213030859	0.831302893	NA	NA
ENSG00000255292	NA	NA	NA	0.778302067	0.598387809	2.80892548	0.213030859	0.831302893	NA	NA
ENSG00000187145	NA	NA	NA	576.4090138	0.5987855	0.450102517	1.330331376	0.183409114	0.999371363	Not Sig
ENSG00000226564	NA	NA	NA	7.183491967	0.598962028	1.014058355	0.590658344	0.554749364	0.999371363	Not Sig
ENSG00000116237	ICMT	isoprenylcysteine carboxyl methyltransferase	23463	1747.739001	0.599005957	0.458972516	1.305102018	0.191858112	0.999371363	Not Sig
ENSG00000065457	ADAT1	adenosine deaminase, tRNA specific 1	23536	773.030384	0.599239523	0.409739192	1.462490127	0.143606948	0.999371363	Not Sig

ENSG00000254453	NAV2-AS2	NAV2 antisense RNA 2	100874014	1.691216969	0.599614989	2.019220891	0.296953638	0.766501905	NA	NA
ENSG00000139194	RBP5	retinol binding protein 5	83758	68.11200363	0.600036444	1.060128769	0.566003359	0.571391497	0.999371363	Not Sig
ENSG00000119862	LGALSL	galectin like	29094	553.9409034	0.60022015	0.891354288	0.67338	0.500705569	0.999371363	Not Sig
ENSG00000163032	VSNL1	visinin like 1	7447	32.99453687	0.601303153	0.904825843	0.664551259	0.506337553	0.999371363	Not Sig
ENSG00000100325	ASCC2	activating signal cointegrator 1 complex subunit 2	84164	1406.374933	0.601333408	0.502510522	1.196658341	0.231439751	0.999371363	Not Sig
ENSG00000132661	NXT1	nuclear transport factor 2 like export factor 1	29107	228.8834453	0.60152674	0.553211415	1.087336096	0.276888302	0.999371363	Not Sig
ENSG00000170214	ADRA1B	adrenoceptor alpha 1B	147	50.83376657	0.601620472	1.383192548	0.434950631	0.663598262	0.999371363	Not Sig
ENSG00000259416	NA	NA	NA	13.49350258	0.601770205	0.880332398	0.683571576	0.494245739	0.999371363	Not Sig
ENSG00000125821	DTD1	D-tyrosyl-tRNA deacylase 1	92675	368.2746681	0.60210323	0.648299226	0.928742787	0.353022401	0.999371363	Not Sig
ENSG00000227470	NA	NA	NA	3.610571128	0.602774998	1.392083212	0.433002131	0.665013222	NA	NA
ENSG00000108604	SMARCD2	<small>SMARCD2 related, matrix associated, actin dependent regulator of chromatin, subfamily 2, member 2</small>	6603	1883.912972	0.602794445	0.597660438	1.008590174	0.313171222	0.999371363	Not Sig
ENSG00000162692	VCAM1	vascular cell adhesion molecule 1	7412	836.6804441	0.603169733	0.62266088	0.968697009	0.332696385	0.999371363	Not Sig
ENSG00000166847	DCTN5	dynactin subunit 5	84516	1301.922496	0.603220326	0.390155822	1.546101049	0.122080166	0.999371363	Not Sig
ENSG00000178021	TSPYL6	TSPY like 6	388951	4.315182027	0.603612067	1.190039068	0.50722038	0.612000197	NA	NA
ENSG00000158482	NA	NA	NA	22.89264147	0.60362377	0.83474619	0.723122522	0.469604614	0.999371363	Not Sig
ENSG00000096384	HSP90AB1	heat shock protein 90 alpha family class B member 1	3326	15752.29312	0.603697367	0.411132101	1.468378086	0.142001551	0.999371363	Not Sig
ENSG00000228801	NA	NA	NA	82.87462391	0.603979866	0.800256831	0.754732533	0.450409482	0.999371363	Not Sig
ENSG00000211797	NA	NA	NA	8.672891614	0.60432507	1.03116785	0.586058875	0.557835951	0.999371363	Not Sig
ENSG00000262691	NA	NA	NA	22.93623256	0.604408732	0.7376245	0.819398938	0.41255884	0.999371363	Not Sig
ENSG00000176108	CHMP6	charged multivesicular body protein 6	79643	653.0454282	0.604452404	0.661735994	0.913434375	0.361014133	0.999371363	Not Sig
ENSG00000271075	NA	NA	NA	1.944396139	0.6046102	2.187058797	0.276448992	0.782203232	NA	NA
ENSG00000092820	EZR	ezrin	7430	12881.40841	0.604802425	0.404525517	1.495090916	0.134890716	0.999371363	Not Sig
ENSG00000168765	GSTM4	glutathione S-transferase mu 4	2948	189.2551534	0.604959156	0.729100185	0.829733922	0.406689238	0.999371363	Not Sig
ENSG00000258011	NA	NA	NA	1.83252763	0.605150375	1.680762693	0.360045102	0.718813406	NA	NA
ENSG00000251669	FAM86EP	<small>family with sequence similarity 86, member A pseudogene</small>	348926	66.12190649	0.605301686	0.64798636	0.934127203	0.350238281	0.999371363	Not Sig
ENSG00000090273	NUDC	nuclear distribution C, dynein complex regulator	10726	1538.87852	0.605384661	0.527419038	1.147824818	0.25104089	0.999371363	Not Sig
ENSG00000228606	LOC100287049	uncharacterized LOC100287049	100287049	9.848949617	0.605397718	0.839775951	0.720903851	0.470968673	0.999371363	Not Sig
ENSG00000252464	NA	NA	NA	18.27361676	0.605612697	0.716230782	0.845555249	0.397800899	0.999371363	Not Sig
ENSG00000236397	NA	NA	NA	15.91252265	0.605879938	0.790789587	0.766170861	0.443574644	0.999371363	Not Sig
ENSG00000114107	CEP70	centrosomal protein 70	80321	765.3859153	0.605973329	0.520592322	1.164007425	0.244421003	0.999371363	Not Sig
ENSG00000105726	ATP13A1	ATPase 13A1	57130	1486.234437	0.606015499	0.58004054	1.044781281	0.296124068	0.999371363	Not Sig
ENSG00000206762	NA	NA	NA	9.795073589	0.606053109	1.091921582	0.555033547	0.578871715	0.999371363	Not Sig
ENSG00000163013	FBXO41	F-box protein 41	150726	321.1600002	0.606250945	0.64426347	0.940998478	0.346705639	0.999371363	Not Sig
ENSG00000185920	PTCH1	patched 1	5727	1727.653305	0.606282882	0.659647476	0.919101344	0.358042567	0.999371363	Not Sig
ENSG00000173334	TRIB1	tribbles pseudokinase 1	10221	3530.2529	0.606415464	0.446998531	1.356638604	0.174896069	0.999371363	Not Sig

ENSG00000178802	MPI	mannose phosphate isomerase	4351	564.3161839	0.606536009	0.440013295	1.37844928	0.168064617	0.999371363	Not Sig
ENSG00000090487	SPG21	SPG21, maspardin	51324	1792.493258	0.606682312	0.458990421	1.321775542	0.186242905	0.999371363	Not Sig
ENSG00000106809	OGN	osteoglycin	4969	76.16058608	0.606894102	0.854971471	0.709841348	0.477802525	0.999371363	Not Sig
ENSG00000237485	NA	NA	NA	4.643486059	0.606967945	1.467443761	0.413622628	0.679150499	NA	NA
ENSG00000151651	ADAM8	ADAM metallopeptidase domain 8	101	1626.909373	0.60704637	0.59707658	1.016697675	0.309297272	0.999371363	Not Sig
ENSG00000103978	TMEM87A	transmembrane protein 87A	25963	3018.306126	0.607203424	0.422426023	1.43741955	0.150598817	0.999371363	Not Sig
ENSG00000143621	ILF2	interleukin enhancer binding factor 2	3608	2300.755936	0.607447024	0.506924141	1.198299657	0.23080038	0.999371363	Not Sig
ENSG00000241935	HOGA1	4-hydroxy-2-oxoglutarate aldolase 1	112817	23.42099215	0.607460877	1.407991982	0.431437739	0.666150114	0.999371363	Not Sig
ENSG00000160200	CBS	cystathionine-beta-synthase	875	521.0841141	0.607621573	0.756196587	0.803523295	0.421672338	0.999371363	Not Sig
ENSG00000256143	NA	NA	NA	9.298171252	0.608071563	1.055132607	0.576298713	0.564413293	0.999371363	Not Sig
ENSG00000234494	SP2-AS1	SP2 antisense RNA 1	100506325	29.78463768	0.608216298	0.754791363	0.805807178	0.420354039	0.999371363	Not Sig
ENSG00000088280	ASAP3	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3	55616	1018.420083	0.608287293	0.720186355	0.844624851	0.398320329	0.999371363	Not Sig
ENSG00000118971	CCND2	cyclin D2	894	2980.744772	0.608355115	0.796084484	0.764184113	0.444757533	0.999371363	Not Sig
ENSG00000081052	COL4A4	collagen type IV alpha 4 chain	1286	2339.655069	0.608521149	0.61970452	0.981953705	0.326122656	0.999371363	Not Sig
ENSG00000256745	NA	NA	NA	2.527423991	0.608575051	1.466424738	0.415005991	0.678137518	NA	NA
ENSG00000213366	GSTM2	glutathione S-transferase mu 2	2946	331.4207359	0.6085789	0.592789979	1.026634932	0.304592399	0.999371363	Not Sig
ENSG00000264655	NA	NA	NA	1.784741323	0.608862638	1.992449447	0.305584987	0.759920653	NA	NA
ENSG00000116649	SRM	spermidine synthase	6723	673.9974143	0.609099431	0.491224898	1.239960421	0.214990034	0.999371363	Not Sig
ENSG00000177432	NAP1L5	nucleosome assembly protein 1 like 5	266812	64.01431363	0.609166396	0.670265067	0.908844017	0.363432468	0.999371363	Not Sig
ENSG00000263675	MIR5581	microRNA 5581	100847010	16.69641123	0.60962726	0.892894148	0.682754234	0.494762153	0.999371363	Not Sig
ENSG00000167397	VKORC1	vitamin K epoxide reductase complex subunit 1	79001	146.248407	0.609898053	0.530326994	1.150041502	0.250126778	0.999371363	Not Sig
ENSG00000172269	DPAGT1	dolichyl-phosphate N-acetylglucosaminophosphotransferase 1	1798	529.8979147	0.610118372	0.52165275	1.169587186	0.242167137	0.999371363	Not Sig
ENSG00000176046	NUPR1	nuclear protein 1, transcriptional regulator	26471	1917.42383	0.610201859	0.856143766	0.712732935	0.476011032	0.999371363	Not Sig
ENSG00000243063	NA	NA	NA	1.675325185	0.610609416	2.256612201	0.270586774	0.786708869	NA	NA
ENSG00000124733	MEA1	male-enhanced antigen 1	4201	588.9725102	0.610684778	0.445776191	1.369935834	0.170706932	0.999371363	Not Sig
ENSG00000113578	FGF1	fibroblast growth factor 1	2246	127.6594075	0.610901341	0.762730074	0.800940414	0.423166142	0.999371363	Not Sig
ENSG00000154655	L3MBTL4	L3MBTL4, histone methyl-lysine binding protein	91133	401.2109704	0.611043566	0.904396855	0.675636545	0.499271433	0.999371363	Not Sig
ENSG00000171130	ATP6VOE2	ATPase H+ transporting VO subunit e2	155066	442.4838286	0.611117554	0.561301665	1.088750654	0.276263858	0.999371363	Not Sig
ENSG00000145391	SETD7	SET domain containing lysine methyltransferase 7	80854	2844.690639	0.611406477	0.443687866	1.378010362	0.168200089	0.999371363	Not Sig
ENSG00000107104	KANK1	KN motif and ankyrin repeat domains 1	23189	1333.863036	0.611551333	0.696522711	0.878006306	0.379940296	0.999371363	Not Sig
ENSG00000204859	ZBTB48	zinc finger and BTB domain containing 48	3104	552.3302351	0.611641019	0.645839744	0.947047662	0.343614492	0.999371363	Not Sig
ENSG00000249264	NA	NA	NA	48.54219733	0.611738224	0.712350054	0.858760691	0.390472559	0.999371363	Not Sig
ENSG00000117425	PTCH2	patched 2	8643	49.46144015	0.61190706	0.603976176	1.01313112	0.310997536	0.999371363	Not Sig
ENSG00000109065	NAT9	N-acetyltransferase 9 (putative)	26151	564.5729815	0.611920471	0.612741223	0.998660525	0.31795917	0.999371363	Not Sig
ENSG00000181652	ATG9B	autophagy related 9B	285973	74.66506976	0.611985855	0.83693759	0.731220419	0.46464453	0.999371363	Not Sig

ENSG00000164896	FASTK	Fas activated serine/threonine kinase	10922	1232.133667	0.612024989	0.622603447	0.983009316	0.325602854	0.999371363	Not Sig
ENSG00000228403	NA	NA	NA	13.12212213	0.612089114	0.932434032	0.656442271	0.5115396	0.999371363	Not Sig
ENSG00000231167	NA	NA	NA	2.668474363	0.612220309	1.416851062	0.432099269	0.665669266	NA	NA
ENSG00000090659	CD209	CD209 molecule	30835	226.3793423	0.612688412	0.786529575	0.778976954	0.435993291	0.999371363	Not Sig
ENSG00000050344	NFE2L3	nuclear factor, erythroid 2 like 3	9603	518.5188247	0.612841708	0.51170044	1.197657183	0.231050505	0.999371363	Not Sig
ENSG00000075643	MOCOS	molybdenum cofactor sulfurase	55034	203.6726965	0.613047142	0.641268001	0.955992098	0.339076227	0.999371363	Not Sig
ENSG00000147224	PRPS1	phosphoribosyl pyrophosphate synthetase 1	5631	499.5157145	0.613100577	0.593904818	1.032321272	0.301921639	0.999371363	Not Sig
ENSG00000241511	NA	NA	NA	1.196405578	0.613719285	2.414749295	0.254154453	0.799376237	NA	NA
ENSG00000234857	HNRNPUL2-BSCL2	HNRNPUL2-BSCL2 readthrough (NMD candidate)	100534595	4.029804281	0.614091613	1.412191212	0.434850187	0.663671174	NA	NA
ENSG00000205664	NA	NA	NA	276.0467512	0.61445894	0.600083016	1.023956559	0.305855794	0.999371363	Not Sig
ENSG00000231305	LOC653712	intraflagellar transport 122 homolog (Chlamydomonas) pseudogene	653712	10.40430229	0.614738333	1.12880688	0.544591235	0.586034684	0.999371363	Not Sig
ENSG00000263460	NA	NA	NA	5.388416145	0.614762574	1.117021754	0.550358641	0.582073411	NA	NA
ENSG00000231290	APCDD1L-AS1	APCDD1L antisense RNA 1 (head to head)	149773	4.686406951	0.615017451	1.451722297	0.423646762	0.671823447	NA	NA
ENSG00000223722	NA	NA	NA	10.80187967	0.615135747	0.908036681	0.67743491	0.498130055	0.999371363	Not Sig
ENSG00000273112	NA	NA	NA	4.309874134	0.615164357	1.807880615	0.340268241	0.733654532	NA	NA
ENSG00000185607	NA	NA	NA	9.953351005	0.615194891	1.31335907	0.468413327	0.63948904	0.999371363	Not Sig
ENSG00000171867	PRNP	prion protein	5621	1373.280487	0.615367864	0.512991246	1.199567964	0.230307175	0.999371363	Not Sig
ENSG00000224988	NA	NA	NA	2.257068677	0.615840277	1.577690239	0.390342959	0.696282961	NA	NA
ENSG00000169220	RGS14	regulator of G protein signaling 14	10636	427.6577522	0.615860411	0.716085422	0.860037633	0.389768298	0.999371363	Not Sig
ENSG00000131351	HAUS8	HAUS augmin like complex subunit 8	93323	104.611739	0.61632081	0.540888448	1.139460108	0.254511298	0.999371363	Not Sig
ENSG00000101443	WFDC2	WAP four-disulfide core domain 2	10406	2786.454583	0.616712329	0.805260977	0.765853985	0.443763188	0.999371363	Not Sig
ENSG00000025770	NCAPH2	non-SMC condensin II complex subunit H2	29781	940.8157808	0.616818313	0.678563909	0.909005481	0.363347233	0.999371363	Not Sig
ENSG00000008294	SPAG9	sperm associated antigen 9	9043	4954.415765	0.616916753	0.403691519	1.528188541	0.126465733	0.999371363	Not Sig
ENSG00000114738	MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3	7867	1264.603361	0.617075492	0.647884654	0.952446532	0.34087057	0.999371363	Not Sig
ENSG00000258122	NA	NA	NA	1.749121925	0.617200047	1.731029949	0.356550762	0.721428144	NA	NA
ENSG00000207633	MIR505	microRNA 505	574508	4.214339887	0.619078874	1.23366604	0.501820472	0.615793811	NA	NA
ENSG00000231871	IP09-AS1	IP09 antisense RNA 1	100873949	11.37549811	0.619131792	0.984544585	0.628850945	0.529446644	0.999371363	Not Sig
ENSG00000187474	FPR3	formyl peptide receptor 3	2359	728.1373841	0.619491558	0.703309977	0.880822935	0.378413664	0.999371363	Not Sig
ENSG00000137628	DDX60	DEXd/H-box helicase 60	55601	1685.079244	0.619589561	0.657491943	0.942353086	0.346011898	0.999371363	Not Sig
ENSG00000090971	NAT14	N-acetyltransferase 14 (putative)	57106	237.9852392	0.619996631	0.517510133	1.198037663	0.230902355	0.999371363	Not Sig
ENSG00000249286	NA	NA	NA	15.20888224	0.620543986	0.805086961	0.77077883	0.440838037	0.999371363	Not Sig
ENSG00000257499	NA	NA	NA	14.52367658	0.620612045	1.032175078	0.601266256	0.547662661	0.999371363	Not Sig
ENSG00000166148	AVPR1A	arginine vasopressin receptor 1A	552	11.28973294	0.620967499	0.941626501	0.659462641	0.509598729	0.999371363	Not Sig
ENSG00000181449	SOX2	SRY-box 2	6657	269.2997076	0.621296364	1.1893275	0.522393002	0.601396727	0.999371363	Not Sig
ENSG00000236830	CBR3-AS1	CBR3 antisense RNA 1	100506428	307.8390552	0.621494749	0.714683736	0.869608077	0.384514622	0.999371363	Not Sig

ENSG00000182934	SRPRA	SRP receptor alpha subunit	6734	3395.518984	0.621622599	0.424475065	1.464450213	0.143070977	0.999371363	Not Sig
ENSG00000120262	CCDC170	coiled-coil domain containing 170	80129	319.6176776	0.621643209	0.815734528	0.762065584	0.446020862	0.999371363	Not Sig
ENSG00000124688	MAD2L1BP	MAD2L1 binding protein	9587	290.1954521	0.622288499	0.461621204	1.348050075	0.177642277	0.999371363	Not Sig
ENSG00000103423	DNAJA3	DnaJ heat shock protein family (Hsp40) member A3	9093	1037.095493	0.622897443	0.432519903	1.440159028	0.149822412	0.999371363	Not Sig
ENSG00000130349	C6orf203	chromosome 6 open reading frame 203	51250	225.8048001	0.623187898	0.476741712	1.307181399	0.191151111	0.999371363	Not Sig
ENSG00000230513	THAP7-AS1	THAP7 antisense RNA 1	439931	50.76687397	0.623272843	0.891948102	0.698777027	0.484691387	0.999371363	Not Sig
ENSG00000162735	PEX19	peroxisomal biogenesis factor 19	5824	895.3021684	0.6232976	0.432574183	1.440903374	0.149611983	0.999371363	Not Sig
ENSG00000169031	COL4A3	collagen type IV alpha 3 chain	1285	2130.703064	0.62359911	0.773829457	0.805861167	0.420322904	0.999371363	Not Sig
ENSG00000258513	NA	NA	NA	1.896609832	0.624351807	1.875503359	0.332898261	0.739211082	NA	NA
ENSG00000165923	AGBL2	ATP/GTP binding protein like 2	79841	73.84991887	0.624821807	0.554535352	1.126748376	0.259848883	0.999371363	Not Sig
ENSG00000186283	TOR3A	torsin family 3 member A	64222	775.5500996	0.62540161	0.528724133	1.182850508	0.236868399	0.999371363	Not Sig
ENSG00000186063	AIDA	axin interactor, dorsalization associated	64853	1393.644192	0.625522486	0.379625782	1.647734467	0.099407172	0.999371363	Not Sig
ENSG00000112799	LY86	lymphocyte antigen 86	9450	114.8967231	0.62589218	0.800686407	0.781694524	0.434394121	0.999371363	Not Sig
ENSG00000219487	NA	NA	NA	0.829509197	0.625914923	2.772971558	0.225719922	0.821419263	NA	NA
ENSG00000166681	BEX3	brain expressed X-linked 3	27018	1013.35476	0.626057669	0.793137344	0.789343326	0.42991137	0.999371363	Not Sig
ENSG00000179428	LOC541472	uncharacterized LOC541472	541472	4.116215802	0.626427646	1.364876394	0.458962913	0.646260799	NA	NA
ENSG00000155592	ZKSCAN2	zinc finger with KRAB and SCAN domains 2	342357	375.9066088	0.626456626	0.457116319	1.370453427	0.170545404	0.999371363	Not Sig
ENSG00000116824	CD2	CD2 molecule	914	302.7388396	0.626751621	0.741529546	0.84521463	0.397991015	0.999371363	Not Sig
ENSG00000231466	NA	NA	NA	13.06348251	0.626756955	0.834533639	0.751026592	0.452636652	0.999371363	Not Sig
ENSG00000174429	ABRA	actin binding Rho activating protein	137735	0.784739602	0.626891672	3.244782083	0.19319993	0.846802393	NA	NA
ENSG00000226240	LINC00381	long intergenic non-protein coding RNA 381	100874151	0.784739602	0.626891672	3.244782083	0.19319993	0.846802393	NA	NA
ENSG00000233485	NA	NA	NA	0.784739602	0.626891672	3.244782083	0.19319993	0.846802393	NA	NA
ENSG00000261543	NA	NA	NA	0.784739602	0.626891672	3.244782083	0.19319993	0.846802393	NA	NA
ENSG00000264582	NA	NA	NA	0.784739602	0.626891672	3.244782083	0.19319993	0.846802393	NA	NA
ENSG00000266617	MIR3692	microRNA 3692	100500899	0.784739602	0.626891672	3.244782083	0.19319993	0.846802393	NA	NA
ENSG00000145919	BOD1	biorientation of chromosomes in cell division 1	91272	679.8960363	0.627338862	0.531182126	1.181024044	0.237593172	0.999371363	Not Sig
ENSG00000232228	NA	NA	NA	9.879699175	0.628611417	0.8886195	0.707402231	0.479316551	0.999371363	Not Sig
ENSG00000196335	STK31	serine/threonine kinase 31	56164	153.1246179	0.628632023	0.871427537	0.721381866	0.4706746	0.999371363	Not Sig
ENSG00000238000	NA	NA	NA	8.512656175	0.628836182	1.125754572	0.558590831	0.576440999	0.999371363	Not Sig
ENSG00000121207	LRAT	lecithin retinol acyltransferase	9227	134.4372134	0.629133253	1.033331591	0.608839659	0.542630724	0.999371363	Not Sig
ENSG00000213199	ASIC3	acid sensing ion channel subunit 3	9311	45.46962099	0.62915355	0.649438901	0.968764806	0.33266255	0.999371363	Not Sig
ENSG00000271547	NA	NA	NA	2.077121904	0.629446998	1.794169752	0.350829121	0.725716548	NA	NA
ENSG00000081181	ARG2	arginase 2	384	141.4207333	0.629840269	0.784637272	0.802715205	0.422139362	0.999371363	Not Sig
ENSG00000105261	OVOL3	ovo like zinc finger 3	728361	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000109158	GABRA4	gamma-aminobutyric acid type A receptor alpha4 subunit	2557	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA

ENSG00000141668	CBLN2	cerebellin 2 precursor	147381	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000141977	CIB3	calcium and integrin binding family member 3	117286	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000163217	BMP10	bone morphogenetic protein 10	27302	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000187021	PNLIPRP1	pancreatic lipase related protein 1	5407	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000197734	C14orf178	chromosome 14 open reading frame 178	283579	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000199025	MIR369	microRNA 369	442914	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000200150	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000202560	MIR539	microRNA 539	664612	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000203588	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000208032	MIR548A3	microRNA 548a-3	693127	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000212335	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000213063	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000214883	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000215306	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000217289	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000221413	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000221767	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000223910	ZNF32-AS3	ZNF32 antisense RNA 3	414201	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000224473	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000224969	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000225416	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000225884	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000227080	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000227133	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000229207	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000230698	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000233273	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000234785	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000235047	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000238401	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000238795	SCARNA12	small Cajal body-specific RNA 12	677777	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000241596	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000244230	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000251812	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000252348	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA

ENSG00000253405	EVX1-AS	EVX1 antisense RNA	101410536	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000255028	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000255035	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000256530	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000257501	LOC643711	platelet activating factor acetylhydrolase 1b catalytic subunit 2 pseudogene	643711	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000263548	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000264714	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000264779	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000265784	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000265892	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000266306	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000266826	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000267192	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000268036	NA	NA	NA	0.436697058	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000270775	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000271586	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000271786	NA	NA	NA	0.453003849	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000273312	NA	NA	NA	0.495071681	0.630066679	4.049841664	0.155578102	0.876365587	NA	NA
ENSG00000251521	NA	NA	NA	5.931622907	0.630197163	1.406236551	0.448144491	0.65404892	NA	NA
ENSG00000223772	NA	NA	NA	1.665716219	0.630464808	2.235142488	0.282069179	0.777890465	NA	NA
ENSG00000078061	ARAF	A-Raf proto-oncogene, serine/threonine kinase	369	1712.516432	0.630523825	0.520483017	1.211420554	0.225734266	0.999371363	Not Sig
ENSG00000214013	GANC	glucosidase alpha, neutral C	2595	987.5095599	0.630628797	0.459360341	1.37284119	0.169801722	0.999371363	Not Sig
ENSG00000102858	MGRN1	mahogunin ring finger 1	23295	3090.083215	0.630754183	0.460979257	1.368291898	0.171220726	0.999371363	Not Sig
ENSG00000240654	CIQTNF9	CIq and TNF related 9	338872	3.912959402	0.631053202	1.852161229	0.340711809	0.733320548	NA	NA
ENSG00000240591	NA	NA	NA	3.61353318	0.63107535	1.516614454	0.416107963	0.677331004	NA	NA
ENSG00000222395	NA	NA	NA	1.761996996	0.63109315	1.730974656	0.364588324	0.715418732	NA	NA
ENSG00000161395	PGAP3	post-GPI attachment to proteins 3	93210	850.1019521	0.631378906	0.589272782	1.071454385	0.28396517	0.999371363	Not Sig
ENSG00000204237	OXLD1	oxidoreductase like domain containing 1	339229	335.7272124	0.632000356	0.610123833	1.035855874	0.300269386	0.999371363	Not Sig
ENSG00000206838	SNORA5A	small nucleolar RNA, H/ACA box 5A	654319	10.0982274	0.632092361	0.846040188	0.7471186	0.454991974	0.999371363	Not Sig
ENSG00000197646	PDCD1LG2	programmed cell death 1 ligand 2	80380	113.2762585	0.632250463	0.800514211	0.78980542	0.429641413	0.999371363	Not Sig
ENSG00000157343	ARMC12	armadillo repeat containing 12	221481	5.623290498	0.632414206	1.315493409	0.480742968	0.630699189	NA	NA
ENSG00000273451	NA	NA	NA	25.25042616	0.632445483	0.738264839	0.856664776	0.391630176	0.999371363	Not Sig
ENSG00000174599	TRAMIL1	translocation associated membrane protein 1-like 1	133022	30.83847565	0.632459278	0.7465459	0.847180701	0.396894409	0.999371363	Not Sig
ENSG00000092036	HAUS4	HAUS augmin like complex subunit 4	54930	354.0488003	0.632587065	0.474656099	1.33272714	0.182621363	0.999371363	Not Sig
ENSG00000253865	NA	NA	NA	1.388663079	0.632882864	2.118288987	0.298770785	0.765114943	NA	NA

ENSG00000145248	SLC10A4	solute carrier family 10 member 4	201780	8.414067926	0.633304768	0.964747052	0.65644644	0.511536918	0.999371363	Not Sig
ENSG00000213442	NA	NA	NA	33.85474993	0.63372799	0.588520723	1.076815081	0.281562887	0.999371363	Not Sig
ENSG00000173218	VANGL1	VANGL planar cell polarity protein 1	81839	619.4945113	0.63374783	0.682233707	0.928930693	0.352925005	0.999371363	Not Sig
ENSG00000105650	PDE4C	phosphodiesterase 4C	5143	158.025981	0.634372224	0.802806961	0.790192729	0.429415222	0.999371363	Not Sig
ENSG00000105650	LOC729966	uncharacterized LOC729966	729966	158.025981	0.634372224	0.802806961	0.790192729	0.429415222	0.999371363	Not Sig
ENSG00000247199	LOC102546294	uncharacterized LOC102546294	102546294	33.00457214	0.634546171	0.617996498	1.026779557	0.304524277	0.999371363	Not Sig
ENSG00000244256	NA	NA	NA	10.76255196	0.634818276	0.830263785	0.764598297	0.444510783	0.999371363	Not Sig
ENSG00000255390	NA	NA	NA	1.209280649	0.635838713	2.46661789	0.257777549	0.796578593	NA	NA
ENSG00000267858	MZF1-AS1	MZF1 antisense RNA 1	100131691	65.60478075	0.635911685	0.569929872	1.11577181	0.264519823	0.999371363	Not Sig
ENSG00000231123	NA	NA	NA	14.07779437	0.636271795	1.052918411	0.604293541	0.5456485	0.999371363	Not Sig
ENSG00000182584	ACTL10	actin like 10	170487	43.91018637	0.636419917	0.834305562	0.762813945	0.445574363	0.999371363	Not Sig
ENSG00000196810	NA	NA	NA	555.6040098	0.636575842	0.485994626	1.309841319	0.190249522	0.999371363	Not Sig
ENSG00000083097	DOPEY1	dopey family member 1	23033	1229.135217	0.636787367	0.45143161	1.410595432	0.158363939	0.999371363	Not Sig
ENSG00000012963	UBR7	ubiquitin protein ligase E3 component n-recogin 7 (putative)	55148	603.7494416	0.637469661	0.487287529	1.308200237	0.190805402	0.999371363	Not Sig
ENSG00000146540	C7orf50	chromosome 7 open reading frame 50	84310	1438.736876	0.637753681	0.571358361	1.116206088	0.264333929	0.999371363	Not Sig
ENSG00000184441	NA	NA	NA	83.59325655	0.638224638	0.743975498	0.857857066	0.390971394	0.999371363	Not Sig
ENSG00000142798	HSPG2	heparan sulfate proteoglycan 2	3339	20112.504	0.638500478	0.477426169	1.337380561	0.181098446	0.999371363	Not Sig
ENSG00000230077	NA	NA	NA	12.76142781	0.638726282	1.023003473	0.624363747	0.532388728	0.999371363	Not Sig
ENSG00000076351	SLC46A1	solute carrier family 46 member 1	113235	787.9190533	0.638930783	0.501722472	1.273474519	0.202849709	0.999371363	Not Sig
ENSG00000272008	NA	NA	NA	7.284445354	0.639665219	1.046359786	0.611324353	0.540984872	0.999371363	Not Sig
ENSG00000101871	MID1	midline 1	4281	765.8815846	0.639702549	0.520110898	1.229934907	0.218721481	0.999371363	Not Sig
ENSG00000171224	FAM241B	family with sequence similarity 241 member B	219738	88.30140818	0.639834604	0.62167298	1.029214113	0.303379072	0.999371363	Not Sig
ENSG00000196176	NA	NA	NA	208.5892288	0.639919805	0.568202421	1.12621802	0.260073248	0.999371363	Not Sig
ENSG00000205084	TMEM231	transmembrane protein 231	79583	180.9182407	0.640243387	0.924315805	0.692667358	0.488518329	0.999371363	Not Sig
ENSG00000256271	CACNA1C-AS2	CACNA1C antisense RNA 2	100874235	2.903763723	0.640950405	1.759059443	0.364371089	0.715580921	NA	NA
ENSG00000182768	NGRN	neugrin, neurite outgrowth associated	51335	840.7919431	0.64106464	0.621418019	1.031615789	0.302252141	0.999371363	Not Sig
ENSG00000175728	NA	NA	NA	0.835946732	0.641498576	2.769307963	0.231645806	0.816813127	NA	NA
ENSG00000140459	CYP11A1	cytochrome P450 family 11 subfamily A member 1	1583	24.31479283	0.642409155	1.142654358	0.562207767	0.57397447	0.999371363	Not Sig
ENSG00000233347	NA	NA	NA	4.008632075	0.643307848	1.268907702	0.506977653	0.612170499	NA	NA
ENSG00000119535	CSF3R	colony stimulating factor 3 receptor	1441	1559.130696	0.64380663	0.872135894	0.738195314	0.46039577	0.999371363	Not Sig
ENSG00000126012	KDM5C	lysine demethylase 5C	8242	3665.632968	0.644551825	0.421625203	1.528731728	0.126330963	0.999371363	Not Sig
ENSG00000115828	QPCT	glutaminy-peptide cyclotransferase	25797	330.8476405	0.644755916	0.941828075	0.684579207	0.493609492	0.999371363	Not Sig
ENSG00000211691	NA	NA	NA	3.174119037	0.64558293	1.711119291	0.377286922	0.70596039	NA	NA
ENSG00000033050	ABCF2	ATP binding cassette subfamily F member 2	10061	965.0299154	0.645730167	0.504399485	1.280195927	0.200476238	0.999371363	Not Sig
ENSG00000248208	NA	NA	NA	2.655588394	0.646010088	1.572866877	0.410721401	0.681276832	NA	NA

ENSG00000232022	NA	NA	NA	16.58177665	0.646035042	0.742012523	0.870652478	0.383943933	0.999371363	Not Sig
ENSG00000245748	LOC100129931	uncharacterized LOC100129931	100129931	1.050793843	0.64626297	3.012939339	0.214495845	0.830160407	NA	NA
ENSG00000162366	PDZK1IP1	PDZK1 interacting protein 1	10158	520.0543259	0.646496623	0.532386353	1.214337332	0.224618936	0.999371363	Not Sig
ENSG00000223825	NA	NA	NA	3.574786114	0.646581918	1.345372723	0.480596869	0.630803041	NA	NA
ENSG00000107833	NPM3	nucleophosmin/nucleoplasmin 3	10360	106.879538	0.646799349	0.644414762	1.003700391	0.315523049	0.999371363	Not Sig
ENSG00000213082	NA	NA	NA	1.260487779	0.646884103	2.137883296	0.302581579	0.762208755	NA	NA
ENSG00000143553	SNAPIN	SNAP associated protein	23557	354.4895243	0.646964392	0.437478713	1.47884771	0.139181021	0.999371363	Not Sig
ENSG00000124532	MRS2	MRS2, magnesium transporter	57380	746.3746686	0.647194697	0.418823069	1.545269936	0.122280984	0.999371363	Not Sig
ENSG00000258591	NA	NA	NA	1.819641661	0.647267764	1.930717675	0.335247236	0.737438593	NA	NA
ENSG00000199667	NA	NA	NA	3.798938139	0.647644188	1.342306102	0.482486213	0.62946059	NA	NA
ENSG00000144231	POLR2D	RNA polymerase II subunit D	5433	419.2736694	0.647897305	0.440817074	1.469764542	0.141625535	0.999371363	Not Sig
ENSG00000162065	TBC1D24	TBC1 domain family member 24	57465	692.255053	0.648512539	0.647386705	1.001739043	0.316469645	0.999371363	Not Sig
ENSG00000202538	RNU4-2	RNA, U4 small nuclear 2	26834	23.15011507	0.649154305	0.694902821	0.934165592	0.350218481	0.999371363	Not Sig
ENSG00000084073	ZMPSTE24	zinc metalloproteinase STE24	10269	1174.704075	0.64927586	0.45103469	1.439525328	0.150001739	0.999371363	Not Sig
ENSG00000104953	TLE6	transducin like enhancer of split 6	79816	114.8637952	0.649428844	0.747035491	0.869341352	0.384660451	0.999371363	Not Sig
ENSG00000101000	PROCR	protein C receptor	10544	193.0281959	0.649617429	0.765837662	0.848244296	0.396301933	0.999371363	Not Sig
ENSG00000166133	RPUSD2	RNA pseudouridylation synthase domain containing 2	27079	134.7631046	0.649955708	0.541761458	1.199708282	0.230252656	0.999371363	Not Sig
ENSG00000249085	NA	NA	NA	3.321563182	0.650423758	1.845716916	0.352396271	0.724541098	NA	NA
ENSG00000159915	ZNF233	zinc finger protein 233	353355	24.45328287	0.650769392	0.879705085	0.739758589	0.45944649	0.999371363	Not Sig
ENSG00000177181	RIMKLA	ribosomal modification protein rimk like family member A	284716	271.961141	0.651092602	0.781254097	0.833394159	0.404622468	0.999371363	Not Sig
ENSG00000211683	NA	NA	NA	5.448347566	0.651280723	1.079280757	0.603439576	0.546216301	NA	NA
ENSG00000237522	NA	NA	NA	28.1516425	0.651384358	0.691894378	0.941450572	0.346474008	0.999371363	Not Sig
ENSG00000175707	KDF1	keratinocyte differentiation factor 1	126695	267.0128417	0.651628841	0.596843351	1.091792077	0.274924502	0.999371363	Not Sig
ENSG00000048471	SNX29	sorting nexin 29	92017	1543.425902	0.651728204	0.514317908	1.267169963	0.205094524	0.999371363	Not Sig
ENSG00000129038	LOXL1	lysyl oxidase like 1	4016	696.564714	0.652159306	0.593946321	1.098010516	0.272199897	0.999371363	Not Sig
ENSG00000102226	USP11	ubiquitin specific peptidase 11	8237	1630.988379	0.652544022	0.505895601	1.289878822	0.197092735	0.999371363	Not Sig
ENSG00000142920	AZIN2	antizyme inhibitor 2	113451	226.2779798	0.654044567	0.519241774	1.25961469	0.207808393	0.999371363	Not Sig
ENSG00000179813	FAM216B	family with sequence similarity 216 member B	144809	193.6936645	0.654048392	1.265108377	0.51699001	0.605163133	0.999371363	Not Sig
ENSG00000158023	WDR66	WD repeat domain 66	144406	368.2269938	0.654717857	0.503678354	1.299872927	0.193644526	0.999371363	Not Sig
ENSG00000170891	CYTL1	cytokine like 1	54360	14.76542749	0.654730906	0.865550617	0.756432834	0.449389728	0.999371363	Not Sig
ENSG00000146085	MUT	methylmalonyl-CoA mutase	4594	947.6104705	0.654843823	0.38430808	1.703955386	0.088389422	0.999371363	Not Sig
ENSG00000224090	LOC100129175	uncharacterized LOC100129175	100129175	12.24610753	0.65494354	0.937861366	0.698337263	0.484966301	0.999371363	Not Sig
ENSG00000143515	ATP8B2	ATPase phospholipid transporting 8B2	57198	1472.222204	0.655139493	0.618213075	1.059730891	0.289267045	0.999371363	Not Sig
ENSG00000186810	CXCR3	C-X-C motif chemokine receptor 3	2833	71.48067625	0.655684345	0.694894897	0.943573406	0.345387688	0.999371363	Not Sig
ENSG00000150281	CTF1	cardiotrophin 1	1489	203.7299148	0.655747454	0.714304762	0.918021955	0.358607372	0.999371363	Not Sig

ENSG00000112308	C6orf62	chromosome 6 open reading frame 62	81688	4604.742546	0.656321965	0.394402045	1.664093716	0.096093703	0.999371363	Not	Sig
ENSG00000248487	ABHD14A	abhydrolase domain containing 14A	25864	179.5170048	0.657777645	0.483534615	1.360352753	0.173718322	0.999371363	Not	Sig
ENSG00000233276	GPX1	glutathione peroxidase 1	2876	2900.125288	0.658191882	0.641952875	1.02529626	0.30522342	0.999371363	Not	Sig
ENSG00000229153	EPHA1-AS1	EPHA1 antisense RNA 1	285965	47.73835896	0.658537984	0.865584873	0.76080117	0.446775836	0.999371363	Not	Sig
ENSG00000184613	NELL2	neural EGFL like 2	4753	152.9806086	0.658728059	0.633271652	1.040198241	0.298247808	0.999371363	Not	Sig
ENSG00000188641	DPYD	dihydropyrimidine dehydrogenase	1806	2268.148543	0.659009245	0.521628953	1.263367843	0.206457015	0.999371363	Not	Sig
ENSG00000179673	RPRML	reprimo like	388394	5.604089138	0.659045765	1.687605946	0.39052112	0.696151241	NA	NA	
ENSG00000186051	TAL2	TAL bHLH transcription factor 2	6887	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000210181	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000214362	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000215464	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000224447	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000226072	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000230221	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000236972	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000252478	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000253204	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000266101	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000267304	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000270405	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000270429	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000272442	NA	NA	NA	0.443134593	0.659073237	3.878232799	0.169941639	0.865056034	NA	NA	
ENSG00000176022	B3GALT6	beta-1,3-galactosyltransferase 6	126792	616.1896813	0.659375546	0.674679645	0.977316495	0.32841249	0.999371363	Not	Sig
ENSG00000049540	ELN	elastin	2006	4425.328571	0.659454749	0.880566898	0.748897955	0.453918713	0.999371363	Not	Sig
ENSG00000147873	IFNA5	interferon alpha 5	3442	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000166090	IL25	interleukin 25	64806	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000198444	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000199755	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000206958	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000211931	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000219693	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000225057	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000226068	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000226098	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	
ENSG00000229468	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA	

ENSG00000238010	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000239719	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000242979	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000248781	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000252983	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000261303	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000264046	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000270945	NA	NA	NA	0.459441385	0.65947461	3.832981622	0.172052641	0.863396145	NA	NA
ENSG00000134686	PHC2	polyhomeotic homolog 2	1912	2876.700842	0.660224511	0.518758718	1.272700561	0.203124319	0.999371363	Not Sig
ENSG00000211845	NA	NA	NA	5.493986513	0.660247868	1.195108829	0.552458363	0.580634353	NA	NA
ENSG00000199187	NA	NA	NA	0.501509217	0.660475994	3.726556862	0.177234916	0.859323871	NA	NA
ENSG00000201421	NA	NA	NA	0.501509217	0.660475994	3.726556862	0.177234916	0.859323871	NA	NA
ENSG00000224072	NA	NA	NA	0.501509217	0.660475994	3.726556862	0.177234916	0.859323871	NA	NA
ENSG00000231158	NA	NA	NA	0.501509217	0.660475994	3.726556862	0.177234916	0.859323871	NA	NA
ENSG00000236592	NA	NA	NA	0.501509217	0.660475994	3.726556862	0.177234916	0.859323871	NA	NA
ENSG00000241204	NA	NA	NA	0.501509217	0.660475994	3.726556862	0.177234916	0.859323871	NA	NA
ENSG00000179583	CIITA	class II major histocompatibility complex transactivator	4261	3221.926982	0.660564556	0.852773398	0.774607366	0.438571703	0.999371363	Not Sig
ENSG00000134684	YARS	tyrosyl-tRNA synthetase	8565	1844.607518	0.660809359	0.446260563	1.480770235	0.138667811	0.999371363	Not Sig
ENSG00000265087	NA	NA	NA	2.215000845	0.661133446	1.610133141	0.410607936	0.681360043	NA	NA
ENSG00000235720	NA	NA	NA	2.073690184	0.661171814	1.737834672	0.380457258	0.703606019	NA	NA
ENSG00000041880	PARP3	poly(ADP-ribose) polymerase family member 3	10039	489.9167444	0.66202003	0.547066724	1.210126666	0.226230292	0.999371363	Not Sig
ENSG00000116761	CTH	cystathionine gamma-lyase	1491	114.8918883	0.662246983	0.703451454	0.941425281	0.346486963	0.999371363	Not Sig
ENSG00000164076	CAMKV	CaM kinase like vesicle associated	79012	1.439715492	0.662389941	2.331410953	0.28411548	0.776321885	NA	NA
ENSG00000272080	MIR502	microRNA 502	574504	1.439715492	0.662389941	2.331410953	0.28411548	0.776321885	NA	NA
ENSG00000156709	AIFM1	apoptosis inducing factor mitochondria associated 1	9131	609.6946754	0.662502844	0.450191309	1.471602917	0.141128137	0.999371363	Not Sig
ENSG00000264711	NA	NA	NA	6.464833842	0.664184056	1.554862117	0.427165888	0.669258506	NA	NA
ENSG00000156427	FGF18	fibroblast growth factor 18	8817	70.58964923	0.664232861	0.885243754	0.750338941	0.453050595	0.999371363	Not Sig
ENSG00000173264	GPR137	G protein-coupled receptor 137	56834	495.514599	0.664479162	0.614558398	1.081230302	0.279594682	0.999371363	Not Sig
ENSG00000141965	FEM1A	fem-1 homolog A	55527	1227.293802	0.664487919	0.762753836	0.871169554	0.383661581	0.999371363	Not Sig
ENSG00000137078	SIT1	signaling threshold regulating transmembrane adaptor 1	27240	48.30479778	0.664625023	0.79319102	0.837912944	0.402079598	0.999371363	Not Sig
ENSG00000264720	MIR3117	microRNA 3117	100422871	9.27278203	0.664676928	1.284069277	0.51763323	0.604714192	0.999371363	Not Sig
ENSG00000130300	PLVAP	plasmalemma vesicle associated protein	83483	853.4873185	0.665331029	0.57117774	1.164840614	0.244083516	0.999371363	Not Sig
ENSG00000116688	MFN2	mitofusin 2	9927	2780.046089	0.665603694	0.587687409	1.13258117	0.25739018	0.999371363	Not Sig
ENSG00000004455	AK2	adenylate kinase 2	204	2681.835124	0.665756533	0.443554348	1.500958191	0.133366376	0.999371363	Not Sig
ENSG00000120509	PDZD11	PDZ domain containing 11	51248	272.855878	0.665811418	0.535530416	1.243274703	0.213766623	0.999371363	Not Sig

ENSG00000182054	IDH2	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial	3418	2174.823448	0.665932388	0.523327424	1.272496639	0.203196718	0.999371363	Not Sig
ENSG00000217334	NA	NA	NA	2.020894641	0.666027351	2.187406687	0.304482635	0.760760221	NA	NA
ENSG00000136352	NKX2-1	NK2 homeobox 1	7080	3996.977344	0.666715784	0.540524845	1.233460016	0.217404186	0.999371363	Not Sig
ENSG00000144355	DLX1	distal-less homeobox 1	1745	1.915463668	0.667025566	2.125551144	0.313812993	0.753663076	NA	NA
ENSG00000231875	NA	NA	NA	6.571958799	0.667505543	1.089396649	0.612729573	0.540055165	NA	NA
ENSG00000105607	GCDH	glutaryl-CoA dehydrogenase	2639	356.1770213	0.668142235	0.570558313	1.171032337	0.241585779	0.999371363	Not Sig
ENSG00000164532	TBX20	T-box 20	57057	1.857558713	0.668308042	1.837098771	0.363784492	0.716018944	NA	NA
ENSG00000227687	NA	NA	NA	10.87123844	0.668407719	1.243510768	0.537516631	0.5909108	0.999371363	Not Sig
ENSG00000184164	CRELD2	cysteine rich with EGF like domains 2	79174	1203.047254	0.668707989	0.620479542	1.077727698	0.281155294	0.999371363	Not Sig
ENSG00000173376	NDNF	neuron derived neurotrophic factor	79625	4117.274939	0.668714321	0.883249412	0.75710701	0.448985755	0.999371363	Not Sig
ENSG00000215301	DDX3X	DEAD-box helicase 3, X-linked	1654	8516.129029	0.668949133	0.454097925	1.473138493	0.140713696	0.999371363	Not Sig
ENSG00000185803	SLC52A2	solute carrier family 52 member 2	79581	796.5197056	0.668994027	0.615568567	1.08679043	0.277129438	0.999371363	Not Sig
ENSG00000197780	TAF13	TATA-box binding protein associated factor 13	6884	420.487981	0.669011342	0.686879662	0.973986244	0.330063369	0.999371363	Not Sig
ENSG00000186205	1-Mar	mitochondrial amidoxime reducing component 1	64757	341.4216006	0.669049421	0.52549722	1.273174043	0.202956289	0.999371363	Not Sig
ENSG00000253943	NA	NA	NA	2.504668766	0.669681215	1.669388423	0.401153624	0.688307023	NA	NA
ENSG00000183155	RABIF	RAB interacting factor	5877	305.7726274	0.670205627	0.454047802	1.476068432	0.139925522	0.999371363	Not Sig
ENSG00000224525	NA	NA	NA	1.186536322	0.670388814	2.828628287	0.237001382	0.812655718	NA	NA
ENSG00000206337	HCP5	HLA complex P5 (non-protein coding)	10866	1060.47855	0.670644785	0.915887995	0.732234497	0.464025452	0.999371363	Not Sig
ENSG00000169895	SYAP1	synapse associated protein 1	94056	2055.020706	0.671420289	0.431472862	1.556112443	0.119681357	0.999371363	Not Sig
ENSG00000167447	SMG8	SMG8, nonsense mediated mRNA decay factor	55181	408.2760954	0.672382837	0.446053474	1.507404103	0.131707108	0.999371363	Not Sig
ENSG00000234899	SOX9-AS1	SOX9 antisense RNA 1	400618	45.99656533	0.672858795	0.987099718	0.681652302	0.495458835	0.999371363	Not Sig
ENSG00000234899	LOC102723517	uncharacterized LOC102723517	102723517	45.99656533	0.672858795	0.987099718	0.681652302	0.495458835	0.999371363	Not Sig
ENSG00000167359	OR51I1	olfactory receptor family 51 subfamily I member 1	390063	1.98042612	0.672876334	2.523842122	0.266607934	0.789771046	NA	NA
ENSG00000186364	NUDT17	nudix hydrolase 17	200035	77.79964502	0.673013679	0.515692279	1.305068362	0.191869571	0.999371363	Not Sig
ENSG00000072506	HSD17B10	hydroxysteroid 17-beta dehydrogenase 10	3028	471.3363658	0.673511125	0.614508751	1.096015514	0.273071985	0.999371363	Not Sig
ENSG00000160256	FAM207A	family with sequence similarity 207 member A	85395	250.2923052	0.67391796	0.597599806	1.127707794	0.259443345	0.999371363	Not Sig
ENSG00000158042	MRPL17	mitochondrial ribosomal protein L17	63875	484.9328279	0.674394306	0.414421789	1.627313823	0.103670463	0.999371363	Not Sig
ENSG00000230195	NA	NA	NA	2.407103629	0.674455065	1.800888817	0.374512329	0.708023186	NA	NA
ENSG00000133067	LGR6	leucine rich repeat containing G protein-coupled receptor 6	59352	186.2693854	0.674848578	0.743683227	0.907440902	0.364173688	0.999371363	Not Sig
ENSG00000229036	NA	NA	NA	22.98729653	0.674889118	0.640563604	1.053586424	0.292072307	0.999371363	Not Sig
ENSG00000127463	EMC1	ER membrane protein complex subunit 1	23065	1915.805245	0.675350986	0.417684128	1.616894061	0.105901151	0.999371363	Not Sig
ENSG00000263331	NA	NA	NA	1.378793823	0.675823077	2.119896243	0.318800073	0.749878123	NA	NA
ENSG00000116954	RRAGC	Ras related GTP binding C	64121	631.5146247	0.676214207	0.45852483	1.47476028	0.140277003	0.999371363	Not Sig
ENSG00000237605	NA	NA	NA	2.907893786	0.676486018	1.746889661	0.387251716	0.698569868	NA	NA
ENSG00000231668	NA	NA	NA	4.779766648	0.676792342	1.244450704	0.543848254	0.5865459	NA	NA

ENSG00000228206	NA	NA	NA	15.53121	0.67685717	1.489973636	0.454274595	0.649631199	0.999371363	Not Sig
ENSG00000242525	NA	NA	NA	5.21074523	0.676888136	1.171138671	0.57797437	0.563281423	NA	NA
ENSG00000205593	DENND6B	DENN domain containing 6B	414918	360.3376243	0.677447726	0.725107466	0.93427217	0.350163516	0.999371363	Not Sig
ENSG00000261533	NA	NA	NA	6.088594179	0.677650016	1.081003428	0.626871292	0.530743607	NA	NA
ENSG00000213178	NA	NA	NA	25.25926675	0.677813922	0.609978654	1.111209249	0.266478291	0.999371363	Not Sig
ENSG00000125285	SOX21	SRY-box 21	11166	26.92743092	0.678173364	0.801374379	0.846262847	0.397406129	0.999371363	Not Sig
ENSG00000128228	SDF2L1	stromal cell derived factor 2 like 1	23753	449.8928383	0.678269442	0.470556902	1.441418538	0.149466476	0.999371363	Not Sig
ENSG00000267745	NA	NA	NA	27.45617616	0.678568414	0.955390082	0.71025273	0.477547427	0.999371363	Not Sig
ENSG00000230330	NA	NA	NA	29.07305148	0.679238315	0.686522349	0.989389954	0.322472388	0.999371363	Not Sig
ENSG00000273210	NA	NA	NA	4.540026891	0.67924356	1.48177526	0.458398503	0.646666167	NA	NA
ENSG00000211451	GNRHR2	gonadotropin releasing hormone receptor 2 (pseudogene)	114814	24.44737794	0.67939646	0.749976708	0.905890079	0.364994036	0.999371363	Not Sig
ENSG00000125454	SLC25A19	solute carrier family 25 member 19	60386	262.1479143	0.679858788	0.571897364	1.18877762	0.234527187	0.999371363	Not Sig
ENSG00000160221	C21orf33	chromosome 21 open reading frame 33	8209	1515.461707	0.67992603	0.617930126	1.100328339	0.271189089	0.999371363	Not Sig
ENSG00000160221	LOC102724023	ES1 protein homolog, mitochondrial	102724023	1515.461707	0.67992603	0.617930126	1.100328339	0.271189089	0.999371363	Not Sig
ENSG00000178053	MLF1	myeloid leukemia factor 1	4291	248.7710708	0.680046814	0.554778585	1.225798603	0.220274473	0.999371363	Not Sig
ENSG00000262332	NA	NA	NA	2.13133485	0.680103411	1.794903298	0.378908107	0.704756104	NA	NA
ENSG00000256937	NA	NA	NA	17.58202253	0.680199298	1.006291219	0.675946769	0.499074442	0.999371363	Not Sig
ENSG00000172116	CD8B	CD8b molecule	926	39.71292696	0.680382563	0.880318397	0.772882363	0.439592003	0.999371363	Not Sig
ENSG00000172116	CD8B2	CD8b2 molecule	927	39.71292696	0.680382563	0.880318397	0.772882363	0.439592003	0.999371363	Not Sig
ENSG00000052344	PRSS8	protease, serine 8	5652	2883.997105	0.680490103	0.504681314	1.34835605	0.177543893	0.999371363	Not Sig
ENSG00000225945	NA	NA	NA	3.539155818	0.680891327	1.352334058	0.50349344	0.614617391	NA	NA
ENSG00000160188	RSPH1	radial spoke head 1 homolog	89765	187.0042146	0.681068566	0.911417061	0.747263349	0.454904611	0.999371363	Not Sig
ENSG00000234202	NA	NA	NA	3.93609802	0.681453784	1.377932262	0.494548102	0.620919144	NA	NA
ENSG00000149257	SERPINH1	serpin family H member 1	871	3673.046657	0.681466083	0.428299067	1.591098688	0.111587368	0.999371363	Not Sig
ENSG00000151117	TMEM86A	transmembrane protein 86A	144110	262.1226979	0.681534623	0.74365443	0.916466837	0.359422094	0.999371363	Not Sig
ENSG00000211779	NA	NA	NA	4.046538228	0.681810575	1.286519401	0.529965249	0.596136025	NA	NA
ENSG00000180113	TDRD6	tudor domain containing 6	221400	29.08656929	0.682111064	0.958039951	0.711986033	0.476473425	0.999371363	Not Sig
ENSG00000066185	ZMYND12	zinc finger MYND-type containing 12	84217	49.75698166	0.682277112	0.575131888	1.18629679	0.235505114	0.999371363	Not Sig
ENSG00000225265	TAF1A-AS1	TAF1A antisense RNA 1	100506161	19.84133625	0.682388095	0.823527896	0.82861564	0.407321935	0.999371363	Not Sig
ENSG00000127580	WDR24	WD repeat domain 24	84219	435.4399585	0.682622672	0.48958962	1.394275213	0.163234513	0.999371363	Not Sig
ENSG00000112320	SOBP	sine oculis binding protein homolog	55084	253.0970932	0.683433002	0.908123837	0.752576878	0.451704216	0.999371363	Not Sig
ENSG00000177830	CHID1	chitinase domain containing 1	66005	1284.006529	0.683745204	0.439952297	1.554134865	0.12015225	0.999371363	Not Sig
ENSG00000139496	NUP58	nucleoporin 58	9818	2463.170475	0.684107864	0.532958338	1.283604768	0.199280281	0.999371363	Not Sig
ENSG00000234664	NA	NA	NA	72.57959589	0.684276034	0.663032342	1.032040205	0.302053283	0.999371363	Not Sig
ENSG00000221639	NA	NA	NA	14.02309092	0.684547172	0.798088592	0.857733314	0.39103974	0.999371363	Not Sig

ENSG00000161939	RNASEK-C17orf49	RNASEK-C17orf49 readthrough	100529209	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000171773	NXNL1	nucleoredoxin like 1	115861	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000173335	CST9	cystatin 9	128822	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000188662	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000197284	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000197627	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000199508	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000201516	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000201623	NA	NA	NA	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000203395	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000211832	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000212158	SNORD66	small nucleolar RNA, C/D box 66	692107	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000213925	NA	NA	NA	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000214012	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000222306	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000222611	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000223475	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000223822	NA	NA	NA	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000228858	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000229237	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000230154	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000230916	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000231164	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000233894	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000234848	NA	NA	NA	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000235060	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000243008	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000243730	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000244286	NA	NA	NA	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000249971	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000252459	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000256189	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000256462	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000257568	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000257886	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA

ENSG00000258177	NA	NA	NA	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000261731	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000263600	MIR3915	microRNA 3915	100500915	0.507946752	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000264647	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000265250	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000265433	MIR4447	microRNA 4447	100616485	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000265617	MIR548AG2	microRNA 548ag-2	100616440	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000268091	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000269358	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000269915	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000271299	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000271565	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000271806	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000271845	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000272412	NA	NA	NA	0.449572129	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000272657	NA	NA	NA	0.465878921	0.68492594	4.044601814	0.169343231	0.865526673	NA	NA
ENSG00000211578	MIR766	microRNA 766	768218	2.593792948	0.685905308	1.494946197	0.45881605	0.646366268	NA	NA
ENSG00000104381	GDAP1	ganglioside induced differentiation associated protein 1	54332	227.2833972	0.686169751	0.558262642	1.229116368	0.219028179	0.999371363	Not Sig
ENSG00000128655	PDE11A	phosphodiesterase 11A	50940	19.65138247	0.686905077	0.995444829	0.690048365	0.490163773	0.999371363	Not Sig
ENSG00000227527	NA	NA	NA	2.205131589	0.686929935	1.5849195	0.433416294	0.664712366	NA	NA
ENSG00000164309	CMYA5	cardiomyopathy associated 5	202333	308.8575982	0.686984859	0.636716637	1.078949127	0.280610407	0.999371363	Not Sig
ENSG00000261351	NA	NA	NA	26.42120454	0.68724356	0.631094527	1.088970876	0.276166729	0.999371363	Not Sig
ENSG00000181616	OR52H1	olfactory receptor family 52 subfamily H member 1	390067	9.597140912	0.687335658	0.973297128	0.70619304	0.480068098	0.999371363	Not Sig
ENSG00000180423	HARBI1	harbinger transposase derived 1	283254	72.52504266	0.687426146	0.474240586	1.449530401	0.147189517	0.999371363	Not Sig
ENSG00000205890	LOC100128770	uncharacterized LOC100128770	100128770	4.797794894	0.687458996	1.218219405	0.5643146	0.572540047	NA	NA
ENSG00000113194	FAF2	Fas associated factor family member 2	23197	1905.655843	0.688093735	0.511908662	1.34417287	0.178892492	0.999371363	Not Sig
ENSG00000233306	NA	NA	NA	6.408307921	0.688452718	1.052403556	0.65417179	0.513001134	NA	NA
ENSG00000223703	NA	NA	NA	5.299974984	0.688476241	1.186574397	0.580221723	0.561765106	NA	NA
ENSG00000171298	GAA	glucosidase alpha, acid	2548	5126.439687	0.688501646	0.62597395	1.099888655	0.271380638	0.999371363	Not Sig
ENSG00000181523	SGSH	N-sulfoglucosamine sulfohydrolase	6448	1215.207678	0.688574598	0.559956163	1.229693757	0.218811806	0.999371363	Not Sig
ENSG00000237953	NA	NA	NA	2.390951555	0.68868135	1.710269225	0.402674234	0.687187891	NA	NA
ENSG00000182871	COL18A1	collagen type XVIII alpha 1 chain	80781	5232.223957	0.688944284	0.62208315	1.107479417	0.268086707	0.999371363	Not Sig
ENSG00000162688	AGL	amylase-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase	178	1290.764533	0.689106996	0.577239461	1.193797449	0.23255721	0.999371363	Not Sig
ENSG00000173013	CCDC96	coiled-coil domain containing 96	257236	99.13402437	0.689179694	0.8054147	0.855683034	0.392173127	0.999371363	Not Sig
ENSG00000236213	NA	NA	NA	13.04490775	0.689305316	1.066893743	0.646086192	0.518223537	0.999371363	Not Sig

ENSG00000198393	ZNF26	zinc finger protein 26	7574	23.47461028	0.689579131	0.769916823	0.895654064	0.370437551	0.999371363	Not Sig
ENSG00000267296	CEBPA-AS1	CEBPA antisense RNA 1 (head to head)	80054	16.05816776	0.690802265	1.083844322	0.637362996	0.523888426	0.999371363	Not Sig
ENSG00000078967	UBE2D4	ubiquitin conjugating enzyme E2 D4 (putative)	51619	486.9554151	0.691349438	0.464405598	1.488675936	0.136572725	0.999371363	Not Sig
ENSG00000215699	NA	NA	NA	194.9188291	0.691450153	0.533389084	1.296333528	0.194860602	0.999371363	Not Sig
ENSG00000229320	NA	NA	NA	102.9323478	0.692202316	0.614781269	1.125932669	0.26019402	0.999371363	Not Sig
ENSG00000248399	NA	NA	NA	4.01905035	0.692435549	1.890382764	0.366293833	0.714145831	NA	NA
ENSG00000070018	LRP6	LDL receptor related protein 6	4040	2584.635785	0.692478224	0.448706019	1.543278214	0.122763287	0.999371363	Not Sig
ENSG00000214160	ALG3	ALG3, alpha-1,3- mannosyltransferase	10195	525.9538257	0.692672393	0.456346665	1.517864481	0.129048566	0.999371363	Not Sig
ENSG00000249855	NA	NA	NA	37.27337266	0.692776191	0.656384758	1.055442226	0.291223119	0.999371363	Not Sig
ENSG00000167880	EVPL	envoplakin	2125	3458.099409	0.693735876	0.708734388	0.978837613	0.327660222	0.999371363	Not Sig
ENSG00000263437	NA	NA	NA	1.825360137	0.694329131	1.715609015	0.404712918	0.685688545	NA	NA
ENSG00000241962	NA	NA	NA	8.167742549	0.694419343	1.046244335	0.663725785	0.506865833	0.999371363	Not Sig
ENSG00000100399	CHADL	chondroadherin like	150356	81.08087729	0.694495538	0.914734338	0.759231953	0.447713815	0.999371363	Not Sig
ENSG00000183675	NA	NA	NA	7.861451928	0.694620722	1.050015923	0.661533513	0.50827023	0.999371363	Not Sig
ENSG00000100218	RSPH14	radial spoke head 14 homolog	27156	22.31802268	0.694626162	1.279253178	0.542993501	0.587134277	0.999371363	Not Sig
ENSG00000205740	LOC107984285	uncharacterized LOC107984285	107984285	12.15760456	0.694651018	0.989114483	0.702295871	0.482494667	0.999371363	Not Sig
ENSG00000163479	SSR2	signal sequence receptor subunit 2	6746	3265.351793	0.695034852	0.474227157	1.465615879	0.142752963	0.999371363	Not Sig
ENSG00000236946	NA	NA	NA	20.17651988	0.695091976	1.199653794	0.579410476	0.562312237	0.999371363	Not Sig
ENSG00000224328	MDC1-AS1	MDC1 antisense RNA 1	106478956	1.295388117	0.695688842	2.095122586	0.332051617	0.739850284	NA	NA
ENSG00000259010	NA	NA	NA	1.295388117	0.695688842	2.095122586	0.332051617	0.739850284	NA	NA
ENSG00000272170	NA	NA	NA	1.295388117	0.695688842	2.095122586	0.332051617	0.739850284	NA	NA
ENSG00000259211	NA	NA	NA	1.34961196	0.695762756	2.377966138	0.292587327	0.769837602	NA	NA
ENSG00000201558	RNVU1-6	RNA, variant U1 small nuclear 6	101954276	13.87804449	0.695845092	0.767860316	0.906213119	0.364823061	0.999371363	Not Sig
ENSG00000176658	MYO1D	myosin ID	4642	4281.704375	0.696340029	0.429295682	1.622052255	0.10479216	0.999371363	Not Sig
ENSG00000166342	NETO1	neuropilin and tolloid like 1	81832	7.967442806	0.696392507	1.482821415	0.469640174	0.638612117	0.999371363	Not Sig
ENSG00000229414	KCNQ1-AS1	KCNQ1 antisense RNA 1	338653	1.639540171	0.696393338	2.212694886	0.314726329	0.752969452	NA	NA
ENSG00000181856	SLC2A4	solute carrier family 2 member 4	6517	29.31066761	0.696555423	0.834650382	0.83454754	0.40397251	0.999371363	Not Sig
ENSG00000242810	NA	NA	NA	0.813202405	0.697320272	3.219364842	0.216601816	0.82851867	NA	NA
ENSG00000251933	NA	NA	NA	0.813202405	0.697320272	3.219364842	0.216601816	0.82851867	NA	NA
ENSG00000178952	TUFM	Tu translation elongation factor, mitochondrial	7284	2157.121671	0.697530357	0.443093611	1.574227972	0.115434755	0.999371363	Not Sig
ENSG00000168101	NUDT16L1	nudix hydrolase 16 like 1	84309	489.8303432	0.6978235	0.535593154	1.302898469	0.192609427	0.999371363	Not Sig
ENSG00000255173	NA	NA	NA	3.377497582	0.69796006	1.69959909	0.410661587	0.681320697	NA	NA
ENSG00000228010	NA	NA	NA	9.004082613	0.698036199	0.924671258	0.754902019	0.450307774	0.999371363	Not Sig
ENSG00000263812	LINC00908	long intergenic non-protein coding RNA 908	284276	23.83478568	0.698052812	0.933962639	0.747409781	0.454816243	0.999371363	Not Sig
ENSG00000177679	SRRM3	serine/arginine repetitive matrix 3	222183	54.04191915	0.698338104	0.880278471	0.793314988	0.427594327	0.999371363	Not Sig

ENSG00000213740	NA	NA	NA	4.515235381	0.698882738	1.321757129	0.528752766	0.596976968	NA	NA
ENSG00000169223	LMAN2	lectin, mannose binding 2	10960	3099.360144	0.699186724	0.487855384	1.433184397	0.151805148	0.999371363	Not Sig
ENSG00000211849	NA	NA	NA	7.158706012	0.699194061	1.854228855	0.377080779	0.706113575	0.999371363	Not Sig
ENSG00000172817	CYP7B1	cytochrome P450 family 7 subfamily B member 1	9420	318.6447419	0.699748181	0.428027315	1.634821323	0.102086509	0.999371363	Not Sig
ENSG00000147044	CASK	calcium/calmodulin dependent serine protein kinase	8573	1758.991408	0.699748606	0.41984045	1.666701257	0.095573823	0.999371363	Not Sig
ENSG00000139055	ERP27	endoplasmic reticulum protein 27	121506	253.1225461	0.699920334	0.542212226	1.290860479	0.196752062	0.999371363	Not Sig
ENSG00000207320	NA	NA	NA	3.00089756	0.700002079	1.570215653	0.445799962	0.655741749	NA	NA
ENSG00000242574	HLA-DMB	major histocompatibility complex, class II, DM beta	3109	1002.609194	0.700070387	0.866757775	0.807688615	0.419269859	0.999371363	Not Sig
ENSG00000119283	TRIM67	tripartite motif containing 67	440730	8.757961616	0.700223613	1.338084999	0.52330279	0.60076356	0.999371363	Not Sig
ENSG00000198171	DDRGK1	DDRGK domain containing 1	65992	1477.914244	0.700461399	0.686244515	1.020716936	0.307388568	0.999371363	Not Sig
ENSG00000187730	GABRD	gamma-aminobutyric acid type A receptor delta subunit	2563	17.1025525	0.700567505	0.86158491	0.813114873	0.4161522	0.999371363	Not Sig
ENSG00000100360	IFT27	intraflagellar transport 27	11020	694.8300722	0.700777498	0.559921399	1.251564058	0.210728758	0.999371363	Not Sig
ENSG00000205861	PCOTH	Pro-X-Gly collagen triple helix like repeat containing	542767	17.27353733	0.700812701	0.845041391	0.82932352	0.406921365	0.999371363	Not Sig
ENSG00000162444	RBP7	retinol binding protein 7	116362	26.44781313	0.70094953	0.723093013	0.969376715	0.332357266	0.999371363	Not Sig
ENSG00000241429	NA	NA	NA	8.950833695	0.70141854	1.045840573	0.67067444	0.502427949	0.999371363	Not Sig
ENSG00000116171	SCP2	sterol carrier protein 2	6342	2742.525505	0.701634312	0.442317425	1.586268759	0.112678356	0.999371363	Not Sig
ENSG00000227258	SMIM2-AS1	SMIM2 antisense RNA 1	101929212	16.39742613	0.702221556	0.904967364	0.775963404	0.437770594	0.999371363	Not Sig
ENSG00000108950	FAM20A	FAM20A, golgi associated secretory pathway pseudokinase	54757	1214.723911	0.702525546	0.629821859	1.115435318	0.264663922	0.999371363	Not Sig
ENSG00000143870	PDIA6	protein disulfide isomerase family A member 6	10130	5782.509114	0.703384678	0.444361439	1.582911153	0.113441716	0.999371363	Not Sig
ENSG00000074696	HACD3	3-hydroxyacyl-CoA dehydratase 3	51495	1539.67783	0.70398418	0.465161212	1.513419783	0.130173063	0.999371363	Not Sig
ENSG00000273186	NA	NA	NA	5.624543243	0.704045805	1.123225327	0.626807273	0.530785575	NA	NA
ENSG00000261173	NA	NA	NA	11.14885783	0.704450134	0.828978629	0.849780814	0.395446958	0.999371363	Not Sig
ENSG00000206897	SNORA9B	small nucleolar RNA, H/ACA box 9B	109616977	4.555443613	0.704871181	1.473750484	0.478283935	0.632448129	NA	NA
ENSG00000232400	NA	NA	NA	216.5370155	0.705187648	0.586972703	1.201397686	0.229596973	0.999371363	Not Sig
ENSG00000177699	NA	NA	NA	5.218600168	0.705474551	1.193541299	0.591076783	0.554468975	NA	NA
ENSG00000159251	ACTC1	actin, alpha, cardiac muscle 1	70	5.035492863	0.705580853	1.208584471	0.583807644	0.559349735	NA	NA
ENSG00000233483	NA	NA	NA	29.18638445	0.705672478	0.670515469	1.052432809	0.292601023	0.999371363	Not Sig
ENSG00000116288	PARK7	Parkinsonism associated deglycase	11315	1757.131562	0.705695481	0.460397089	1.532797443	0.125325771	0.999371363	Not Sig
ENSG00000264063	MIR3687-2	microRNA 3687-2	103504728	16834.85471	0.706117376	0.824058293	0.856877944	0.391512344	0.999371363	Not Sig
ENSG00000184867	ARMCX2	armadillo repeat containing, X-linked 2	9823	556.4710885	0.70616978	0.596178397	1.184494076	0.23621754	0.999371363	Not Sig
ENSG00000244509	APOBEC3C	apolipoprotein B mRNA editing enzyme catalytic subunit 3C	27350	813.0028724	0.706205259	0.638503388	1.106032125	0.268712615	0.999371363	Not Sig
ENSG00000255045	NA	NA	NA	14.98596781	0.706295014	0.903673256	0.781582292	0.434460097	0.999371363	Not Sig
ENSG00000136237	RAPGEF5	Rap guanine nucleotide exchange factor 5	9771	3769.667496	0.706454888	0.675000979	1.046598316	0.295284879	0.999371363	Not Sig
ENSG00000182195	LDOC1	LDOC1, regulator of NFkB signaling	23641	293.075532	0.706973693	0.684643881	1.032615222	0.301784002	0.999371363	Not Sig
ENSG00000258572	NA	NA	NA	4.306565516	0.70716869	1.299464803	0.544199957	0.586303881	NA	NA

ENSG00000219023	NA	NA	NA	2.313983385	0.708673436	1.762459275	0.40209351	0.687615209	NA	NA
ENSG00000253633	LOC107986898	uncharacterized LOC107986898	107986898	1.697184837	0.709015906	1.880452878	0.377045293	0.706139946	NA	NA
ENSG00000121552	CSTA	cystatin A	1475	74.28134903	0.709087999	0.946818005	0.748916894	0.453907297	0.999371363	Not Sig
ENSG00000264941	MIR4474	microRNA 4474	100616441	4.923518782	0.709921117	1.437526565	0.493849042	0.621412795	NA	NA
ENSG00000241697	TMEFF1	transmembrane protein with EGF like and two follistatin like domains 1	8577	2.294255771	0.710879819	1.705440791	0.416830548	0.676802357	NA	NA
ENSG00000257851	NA	NA	NA	1.757846215	0.710926791	1.877748697	0.378605929	0.704980518	NA	NA
ENSG00000247570	NA	NA	NA	1.652415242	0.712473926	2.236054158	0.318629995	0.750007105	NA	NA
ENSG00000176927	EFCAB5	EF-hand calcium binding domain 5	374786	12.93496837	0.712698641	0.806147759	0.884079417	0.376653343	0.999371363	Not Sig
ENSG00000180772	AGTR2	angiotensin II receptor type 2	186	15.93673499	0.713003945	1.351842498	0.527431225	0.597894164	0.999371363	Not Sig
ENSG00000142449	FBN3	fibrillin 3	84467	85.99658801	0.713042247	1.047620725	0.680630146	0.496105547	0.999371363	Not Sig
ENSG00000187456	NA	NA	NA	7.7041959	0.71351668	1.270204143	0.561733863	0.574297359	0.999371363	Not Sig
ENSG00000157856	DRC1	dynein regulatory complex subunit 1	92749	145.0580984	0.713715318	1.218068216	0.585940351	0.5579156	0.999371363	Not Sig
ENSG00000170262	MRAP	melanocortin 2 receptor accessory protein	56246	2.019051334	0.714160504	2.516559153	0.283784509	0.776575527	NA	NA
ENSG00000260228	LOC102724163	uncharacterized LOC102724163	102724163	9.061850101	0.714306706	1.239312055	0.576373564	0.564362709	0.999371363	Not Sig
ENSG00000273090	NA	NA	NA	3.120333247	0.714398249	1.565385753	0.456372014	0.648122487	NA	NA
ENSG00000158571	PFKFB1	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1	5207	13.56611944	0.714696783	0.966378571	0.739561911	0.45956586	0.999371363	Not Sig
ENSG00000159337	PLA2G4D	phospholipase A2 group IVD	283748	16.70425999	0.714771564	1.177499885	0.607024742	0.543834492	0.999371363	Not Sig
ENSG00000219642	NA	NA	NA	1.301825653	0.714828963	2.388911085	0.299227948	0.764766126	NA	NA
ENSG00000256007	NA	NA	NA	1.362487032	0.715320149	2.37547407	0.301127323	0.763317406	NA	NA
ENSG00000184601	C14orf180	chromosome 14 open reading frame 180	400258	6.474798741	0.715443606	1.545257938	0.462992998	0.643369386	NA	NA
ENSG00000247699	NA	NA	NA	1.085694182	0.715847901	2.956281145	0.24214473	0.808668019	NA	NA
ENSG00000265168	NA	NA	NA	1.085694182	0.715847901	2.956281145	0.24214473	0.808668019	NA	NA
ENSG00000152763	WDR78	WD repeat domain 78	79819	180.9331181	0.716003898	0.49672138	1.441459793	0.149454828	0.999371363	Not Sig
ENSG00000260095	NA	NA	NA	4.981822464	0.716033677	1.511051693	0.473864448	0.635596573	NA	NA
ENSG00000267200	MIR132	microRNA 132	406921	7.068326988	0.71616753	1.392317673	0.514370782	0.606992783	0.999371363	Not Sig
ENSG00000250961	NA	NA	NA	2.417123178	0.716367523	2.436254846	0.294044576	0.768723841	NA	NA
ENSG00000123453	SARDH	sarcosine dehydrogenase	1757	135.4329783	0.71649738	0.677117593	1.058157972	0.289983428	0.999371363	Not Sig
ENSG00000188153	COL4A5	collagen type IV alpha 5 chain	1287	1085.766265	0.716509929	0.911837724	0.785786671	0.431992477	0.999371363	Not Sig
ENSG00000141510	TP53	tumor protein p53	7157	1156.402013	0.716519307	0.437438437	1.637988908	0.101424008	0.999371363	Not Sig
ENSG00000253437	NA	NA	NA	1.844672744	0.717201307	1.929784638	0.371648366	0.710154674	NA	NA
ENSG00000143390	RFX5	regulatory factor X5	5993	1381.191342	0.717410893	0.478929749	1.49794598	0.134147286	0.999371363	Not Sig
ENSG00000228224	NACAP1	nascent polypeptide associated complex alpha subunit pseudogene 1	83955	1.340157712	0.717515466	2.771432372	0.258896978	0.79571473	NA	NA
ENSG00000258999	NA	NA	NA	10.27912411	0.717867743	0.896392606	0.800840768	0.423223834	0.999371363	Not Sig
ENSG00000178796	RIIAD1	regulatory subunit of type II PKA β -subunit (RII α) domain containing 1	284485	2.481205379	0.718122082	1.785265902	0.402249369	0.687500513	NA	NA
ENSG00000106546	AHR	aryl hydrocarbon receptor	196	6937.9829	0.718426896	0.439564779	1.634405054	0.102173828	0.999371363	Not Sig

ENSG00000214194	SMIM30	small integral membrane protein 30	401397	396.9122598	0.718614707	0.414835044	1.73229026	0.083221895	0.999371363	Not Sig
ENSG00000169249	ZRSR2	zinc finger CCH-type, RNA binding motif and serine/arginine rich 2	8233	316.6467374	0.718633213	0.461154435	1.558335253	0.119153796	0.999371363	Not Sig
ENSG00000238021	NA	NA	NA	2.601908176	0.718672032	2.046271938	0.351210423	0.725430491	NA	NA
ENSG00000130770	ATPIF1	ATPase inhibitory factor 1	93974	866.8177621	0.719206337	0.550316816	1.306895076	0.191248349	0.999371363	Not Sig
ENSG00000104889	RNASEH2A	ribonuclease H2 subunit A	10535	132.5145177	0.719614476	0.534324727	1.346773674	0.178053136	0.999371363	Not Sig
ENSG00000273183	NA	NA	NA	9.364531519	0.71974234	0.938013314	0.767305037	0.442900175	0.999371363	Not Sig
ENSG00000240668	NA	NA	NA	10.33165398	0.720290163	1.051974168	0.684703279	0.493531179	0.999371363	Not Sig
ENSG00000140090	SLC24A4	solute carrier family 24 member 4	123041	119.1912165	0.720324718	0.884110567	0.814745061	0.415218254	0.999371363	Not Sig
ENSG00000136478	TEX2	testis expressed 2	55852	1601.409655	0.721047837	0.666704901	1.081509729	0.279470435	0.999371363	Not Sig
ENSG00000106080	FKBP14	FK506 binding protein 14	55033	555.1478523	0.721274888	0.71274063	1.011973863	0.311550551	0.999371363	Not Sig
ENSG00000125409	TEKT3	tektin 3	64518	12.15141199	0.721737657	1.186528945	0.608276486	0.543004114	0.999371363	Not Sig
ENSG00000207031	SNORD59A	small nucleolar RNA, C/D box 59A	26789	2.612801502	0.721833812	1.71262935	0.42147696	0.673406832	NA	NA
ENSG00000197582	NA	NA	NA	401.4351054	0.722007307	0.663179422	1.088705837	0.276283627	0.999371363	Not Sig
ENSG00000227725	NA	NA	NA	3.721085293	0.722161643	1.246095742	0.579539451	0.562225235	NA	NA
ENSG00000213540	NA	NA	NA	14.22384262	0.722192244	0.897492766	0.80467751	0.421005801	0.999371363	Not Sig
ENSG00000240625	NA	NA	NA	0.938206275	0.722217963	2.673380656	0.270151563	0.787043655	NA	NA
ENSG00000244038	DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase non-catalytic subunit	1650	3653.454994	0.722499069	0.412830361	1.750111274	0.080099115	0.999371363	Not Sig
ENSG00000158882	TOMM40L	translocase of outer mitochondrial membrane 40 like	84134	278.9054202	0.722744774	0.62222936	1.161540778	0.24542205	0.999371363	Not Sig
ENSG00000198270	TMEM116	transmembrane protein 116	89894	245.0672465	0.723273866	0.439679758	1.645001512	0.099969499	0.999371363	Not Sig
ENSG00000188452	CERKL	ceramide kinase like	375298	146.3394032	0.723614476	0.712550338	1.015527518	0.309854436	0.999371363	Not Sig
ENSG00000211580	MIR769	microRNA 769	768217	1.668002974	0.724285558	1.998781477	0.362363553	0.717080372	NA	NA
ENSG00000227933	NA	NA	NA	1.668002974	0.724285558	1.998781477	0.362363553	0.717080372	NA	NA
ENSG00000171453	POLR1C	RNA polymerase I subunit C	9533	319.0458017	0.724564225	0.49708868	1.457615621	0.144946522	0.999371363	Not Sig
ENSG00000256079	NA	NA	NA	1.616795844	0.725152142	2.621328183	0.276635389	0.782060088	NA	NA
ENSG00000243547	NA	NA	NA	8.491946712	0.725525485	1.087331243	0.667253415	0.504610277	0.999371363	Not Sig
ENSG00000176681	LRRC37A	leucine rich repeat containing 37A	9884	58.57508548	0.725690673	0.768182461	0.944685293	0.344819568	0.999371363	Not Sig
ENSG00000055163	CYFIP2	cytoplasmic FMR1 interacting protein 2	26999	1200.490611	0.725697418	0.796056699	0.911615239	0.361971298	0.999371363	Not Sig
ENSG00000246740	PLA2G4E-AS1	PLA2G4E antisense RNA 1	101928388	3.332163645	0.726003767	1.36133392	0.533303223	0.593823697	NA	NA
ENSG00000213881	NA	NA	NA	2.365035797	0.726045846	1.762089006	0.412036988	0.680312313	NA	NA
ENSG00000060237	WNK1	WNK lysine deficient protein kinase 1	65125	11958.82158	0.72635919	0.497510701	1.459987069	0.144293628	0.999371363	Not Sig
ENSG00000185272	RBM11	RNA binding motif protein 11	54033	18.03416668	0.726583309	0.78419988	0.926528208	0.354171545	0.999371363	Not Sig
ENSG00000239437	NA	NA	NA	2.856415468	0.726613786	1.684977443	0.431230572	0.666300727	NA	NA
ENSG00000214401	KANSL1-AS1	KANSL1 antisense RNA 1	644246	29.24133359	0.726721659	0.725073799	1.002272678	0.316211914	0.999371363	Not Sig
ENSG00000214401	LOC107984142	uncharacterized LOC107984142	107984142	29.24133359	0.726721659	0.725073799	1.002272678	0.316211914	0.999371363	Not Sig
ENSG00000143443	Clorf56	chromosome 1 open reading frame 56	54964	141.7964529	0.726800146	0.553557331	1.312962732	0.189195507	0.999371363	Not Sig

ENSG00000271380	NA	NA	NA	42.56528208	0.727796457	0.809354986	0.899230213	0.36853005	0.999371363	Not Sig
ENSG00000188396	TCTEX1D4	Tctex1 domain containing 4	343521	55.76555773	0.728000676	1.0343852	0.70380036	0.481557109	0.999371363	Not Sig
ENSG00000267246	NA	NA	NA	36.35405693	0.728033265	0.624524401	1.165740304	0.243719459	0.999371363	Not Sig
ENSG00000181610	MRPS23	mitochondrial ribosomal protein S23	51649	529.0291915	0.728169919	0.494726428	1.471863799	0.141057661	0.999371363	Not Sig
ENSG00000255446	NA	NA	NA	5.280529626	0.728201897	1.580440378	0.460758854	0.644971625	NA	NA
ENSG00000073711	PPP2R3A	protein phosphatase 2 regulatory subunit B'alpha	5523	730.5986662	0.728664866	0.730131949	0.99799066	0.318283888	0.999371363	Not Sig
ENSG00000228839	PIK3IP1-AS1	PIK3IP1 antisense RNA 1 (head to head)	101929760	11.23689239	0.729078652	0.876641078	0.831672927	0.405593586	0.999371363	Not Sig
ENSG00000265083	MIR3691	microRNA 3691	100500900	4.1198653	0.729215809	1.267664763	0.575243416	0.565126684	NA	NA
ENSG00000087253	LPCAT2	lysophosphatidylcholine acyltransferase 2	54947	694.2610076	0.729548669	0.580785799	1.256140682	0.209064969	0.999371363	Not Sig
ENSG00000234235	NA	NA	NA	6.010874375	0.729675432	1.366501592	0.53397335	0.593359973	NA	NA
ENSG00000253690	NA	NA	NA	2.172672724	0.729736584	2.067978209	0.352874407	0.724182599	NA	NA
ENSG00000255240	LOC283194	uncharacterized LOC283194	283194	7.539127619	0.729886609	1.211579133	0.602425438	0.546890982	0.999371363	Not Sig
ENSG00000129682	FGF13	fibroblast growth factor 13	2258	118.9308405	0.729977001	0.841150051	0.867832083	0.385486264	0.999371363	Not Sig
ENSG00000269886	NA	NA	NA	3.027473293	0.730099339	1.519508143	0.480483992	0.630883283	NA	NA
ENSG00000149050	ZNF214	zinc finger protein 214	7761	97.27542139	0.730657431	0.553541866	1.319967785	0.186845774	0.999371363	Not Sig
ENSG00000044574	HSPA5	heat shock protein family A (Hsp70) member 5	3309	15603.41968	0.731177499	0.505925105	1.445228735	0.148393648	0.999371363	Not Sig
ENSG00000108947	EFNB3	ephrin B3	1949	57.11798652	0.731188668	0.835157327	0.875510092	0.381296422	0.999371363	Not Sig
ENSG00000117643	MAN1C1	mannosidase alpha class 1C member 1	57134	781.659929	0.731200197	0.736133516	0.993298336	0.320564588	0.999371363	Not Sig
ENSG00000198312	NA	NA	NA	9.729673871	0.731251107	0.853665054	0.856601899	0.391664936	0.999371363	Not Sig
ENSG00000053371	AKR7A2	aldo-keto reductase family 7 member A2	8574	745.6458748	0.731759903	0.491491957	1.48885428	0.136525745	0.999371363	Not Sig
ENSG00000100348	TXN2	thioredoxin 2	25828	904.8679654	0.732344056	0.590160756	1.240923	0.214634195	0.999371363	Not Sig
ENSG00000270670	NA	NA	NA	2.638811934	0.732448679	1.754348785	0.417504595	0.676309364	NA	NA
ENSG00000136247	ZDHHC4	zinc finger DHHC-type containing 4	55146	708.3863138	0.73257121	0.508943949	1.439394673	0.150038733	0.999371363	Not Sig
ENSG00000237773	NA	NA	NA	39.17848861	0.732894796	0.741752915	0.988057858	0.323124313	0.999371363	Not Sig
ENSG00000163624	CDS1	CDP-diacylglycerol synthase 1	1040	1170.912316	0.733205914	0.570902785	1.284292059	0.199039784	0.999371363	Not Sig
ENSG00000104324	CPQ	carboxypeptidase Q	10404	751.0460639	0.733485234	0.697011665	1.052328491	0.292648864	0.999371363	Not Sig
ENSG00000225528	NA	NA	NA	12.53694125	0.733743907	0.958836988	0.76524364	0.444126478	0.999371363	Not Sig
ENSG00000231335	NA	NA	NA	58.57128064	0.733907941	0.585449134	1.253581051	0.209994322	0.999371363	Not Sig
ENSG00000203797	DDO	D-aspartate oxidase	8528	108.1091722	0.734307628	1.020315906	0.719686543	0.471718013	0.999371363	Not Sig
ENSG00000186019	LOC100379224	uncharacterized LOC100379224	100379224	12.44043924	0.734903535	0.864787833	0.849807903	0.395431895	0.999371363	Not Sig
ENSG00000144730	IL17RD	interleukin 17 receptor D	54756	202.1124925	0.735217853	0.745703457	0.985938642	0.324163223	0.999371363	Not Sig
ENSG00000112304	ACOT13	acyl-CoA thioesterase 13	55856	396.1561138	0.735702613	0.4169733	1.764387822	0.077666707	0.999371363	Not Sig
ENSG00000058056	USP13	ubiquitin specific peptidase 13	8975	1068.366913	0.73615993	0.47197519	1.559742855	0.118820661	0.999371363	Not Sig
ENSG00000199030	MIRLET7C	microRNA let-7c	406885	1.680878045	0.736711979	1.920026308	0.383698898	0.701201629	NA	NA
ENSG00000139988	RDH12	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	145226	3.387213078	0.736911999	1.632425526	0.451421512	0.651685782	NA	NA

ENSG00000228232	NA	NA	NA	10.44187942	0.737228463	0.850383473	0.86693649	0.385976809	0.999371363	Not Sig
ENSG00000226254	NA	NA	NA	6.046920637	0.737369131	1.175680263	0.627185089	0.530537916	NA	NA
ENSG00000143924	EML4	echinoderm microtubule associated protein like 4	27436	3941.162435	0.737777232	0.464915058	1.586907583	0.112533577	0.999371363	Not Sig
ENSG00000207217	SNORA80D	small nucleolar RNA, H/ACA box 80D	109616999	4.80978529	0.737934309	1.269274764	0.581382637	0.560982597	NA	NA
ENSG00000254010	NA	NA	NA	3.152477162	0.738133891	1.383715999	0.5334432	0.59372682	NA	NA
ENSG00000212122	TSSK1B	testis specific serine kinase 1B	83942	6.627108581	0.738272237	1.311104744	0.563091729	0.573372424	0.999371363	Not Sig
ENSG00000126705	AHDC1	AT-hook DNA binding motif containing 1	27245	1841.331602	0.738551425	0.602379925	1.226055841	0.220177662	0.999371363	Not Sig
ENSG00000244184	LOC101559451	uncharacterized LOC101559451	101559451	3.019751397	0.738802312	1.456207467	0.507346878	0.611911452	NA	NA
ENSG00000236643	NA	NA	NA	1.487490901	0.739157502	2.025343262	0.364954186	0.715145605	NA	NA
ENSG00000210127	NA	NA	NA	3.592345651	0.739526343	1.343142639	0.550594048	0.58191199	NA	NA
ENSG00000149922	TBX6	T-box 6	6911	48.12717216	0.739794103	0.550940313	1.342784484	0.179341769	0.999371363	Not Sig
ENSG00000112530	PACRG	parkin coregulated	135138	37.3347796	0.739950142	1.186561109	0.623608962	0.532884423	0.999371363	Not Sig
ENSG00000174792	ODAPH	odontogenesis associated phosphoprotein	152816	0.989413405	0.740088357	2.64974003	0.279306026	0.780009982	NA	NA
ENSG00000254163	NA	NA	NA	0.989413405	0.740088357	2.64974003	0.279306026	0.780009982	NA	NA
ENSG00000268272	NA	NA	NA	0.989413405	0.740088357	2.64974003	0.279306026	0.780009982	NA	NA
ENSG00000196659	TTC30B	tetratricopeptide repeat domain 30B	150737	183.7049957	0.740278967	0.441116323	1.678194452	0.093309144	0.999371363	Not Sig
ENSG00000158483	FAM86C1	family with sequence similarity 86 member C1	55199	120.9916037	0.740297994	0.667294652	1.109401959	0.267256818	0.999371363	Not Sig
ENSG00000166963	MAP1A	microtubule associated protein 1A	4130	762.7736048	0.740839973	0.575572863	1.287134992	0.198047241	0.999371363	Not Sig
ENSG00000254510	NA	NA	NA	4.324843155	0.740997266	1.329540327	0.557333426	0.577299642	NA	NA
ENSG00000226765	NA	NA	NA	2.564860477	0.741600255	1.932244126	0.383802567	0.701124786	NA	NA
ENSG00000259755	NA	NA	NA	2.631959391	0.742040859	1.54912061	0.479007802	0.631933078	NA	NA
ENSG00000261603	PRSS46P	protease, serine 46, pseudogene	100287362	6.183874889	0.742115278	1.510328155	0.491360289	0.623171646	NA	NA
ENSG00000264425	MIR4653	microRNA 4653	100616117	5.070382304	0.742244046	1.172995179	0.632776724	0.526879459	NA	NA
ENSG00000254750	NA	NA	NA	13.05987234	0.743280749	0.993184877	0.748381058	0.454230345	0.999371363	Not Sig
ENSG00000109323	MANBA	mannosidase beta	4126	1406.209874	0.743300724	0.621698652	1.195596486	0.231854063	0.999371363	Not Sig
ENSG00000017621	NA	NA	NA	149.2404231	0.743605465	0.541253109	1.373859018	0.169485455	0.999371363	Not Sig
ENSG00000113732	ATP6VOE1	ATPase H+ transporting V0 subunit e1	8992	1668.464802	0.744552965	0.466225884	1.59697904	0.11027038	0.999371363	Not Sig
ENSG00000268149	NA	NA	NA	1.687315581	0.744562299	1.936186671	0.384550885	0.700570189	NA	NA
ENSG00000223612	NA	NA	NA	3.518394194	0.744843968	1.366309425	0.545150282	0.585650163	NA	NA
ENSG00000185252	ZNF74	zinc finger protein 74	7625	302.4077222	0.744848843	0.655701891	1.135956527	0.255974759	0.999371363	Not Sig
ENSG00000089486	CDIP1	cell death inducing p53 target 1	29965	489.762361	0.74549516	0.764064052	0.975697205	0.329214538	0.999371363	Not Sig
ENSG00000100036	SLC35E4	solute carrier family 35 member E4	339665	103.7248048	0.745760079	0.70443576	1.058663006	0.289753281	0.999371363	Not Sig
ENSG00000135749	PCNX2	pecanex homolog 2	80003	691.0935201	0.745808849	0.578654815	1.288866574	0.197444477	0.999371363	Not Sig
ENSG00000229539	NA	NA	NA	31.81931752	0.745907529	0.739223445	1.009042034	0.312954476	0.999371363	Not Sig
ENSG00000253495	NA	NA	NA	3.746271094	0.745935203	1.343737701	0.55511965	0.578812823	NA	NA

ENSG00000250376	NA	NA	NA	1.32385092	0.746623047	2.3839911	0.313181977	0.75414241	NA	NA
ENSG00000187556	NANOS3	nanos C2HC-type zinc finger 3	342977	13.39071804	0.746855377	0.985069955	0.758174963	0.448346247	0.999371363	Not Sig
ENSG00000039068	CDH1	cadherin 1	999	7720.66476	0.748586028	0.583252971	1.283467149	0.199328462	0.999371363	Not Sig
ENSG00000100908	EMC9	ER membrane protein complex subunit 9	51016	151.4557729	0.748842877	0.710619611	1.053788645	0.291979693	0.999371363	Not Sig
ENSG00000226851	NA	NA	NA	0.951081346	0.748866509	2.667556517	0.280731262	0.778916529	NA	NA
ENSG00000233296	LOC105373354	uncharacterized LOC105373354	105373354	0.951081346	0.748866509	2.667556517	0.280731262	0.778916529	NA	NA
ENSG00000108829	LRRC59	leucine rich repeat containing 59	55379	2454.766168	0.748974287	0.493607632	1.517347461	0.129178981	0.999371363	Not Sig
ENSG00000170175	CHRNB1	cholinergic receptor nicotinic beta 1 subunit	1140	144.7682009	0.749636016	0.596452899	1.256823493	0.208817557	0.999371363	Not Sig
ENSG00000149218	ENDOD1	endonuclease domain containing 1	23052	1713.259891	0.749650435	0.593346117	1.263428569	0.206435202	0.999371363	Not Sig
ENSG00000181038	METTL23	methyltransferase like 23	124512	345.9680752	0.749861301	0.533250869	1.406207368	0.159662557	0.999371363	Not Sig
ENSG00000102245	CD40LG	CD40 ligand	959	44.41654233	0.750369096	1.049819013	0.714760437	0.474757086	0.999371363	Not Sig
ENSG00000179965	ZNF771	zinc finger protein 771	51333	121.0111502	0.750609974	0.659731295	1.13775105	0.25522445	0.999371363	Not Sig
ENSG00000141052	MYOCD	myocardin	93649	181.5920471	0.750626296	0.93867213	0.799668246	0.423903035	0.999371363	Not Sig
ENSG00000260367	NA	NA	NA	1.234311731	0.750995074	2.862840516	0.262325152	0.793070772	NA	NA
ENSG00000176244	ACBD7	acyl-CoA binding domain containing 7	414149	8.778897536	0.751088974	1.153226848	0.651293347	0.514857142	0.999371363	Not Sig
ENSG00000169727	GPS1	G protein pathway suppressor 1	2873	1451.816329	0.751162868	0.608409379	1.23463394	0.216966772	0.999371363	Not Sig
ENSG00000226520	NA	NA	NA	21.48001149	0.751296851	0.737803746	1.018288203	0.308541013	0.999371363	Not Sig
ENSG00000151892	GFRA1	GDNF family receptor alpha 1	2674	311.7681863	0.751672886	1.056347101	0.711577554	0.476726411	0.999371363	Not Sig
ENSG00000235121	NA	NA	NA	4.712940171	0.752438786	1.188777076	0.632951965	0.526765012	NA	NA
ENSG00000204963	PCDHA7	protocadherin alpha 7	56141	18.9927673	0.753245067	0.694748284	1.084198528	0.278276784	0.999371363	Not Sig
ENSG00000254981	NA	NA	NA	2.156365932	0.753420992	2.067988288	0.36432556	0.715614915	NA	NA
ENSG00000170629	DPY19L2P2	DPY19L2 pseudogene 2	349152	80.20431802	0.753618457	0.941873383	0.800127141	0.423637138	0.999371363	Not Sig
ENSG00000234295	NA	NA	NA	26.50999112	0.75407891	0.800198822	0.942364434	0.34600609	0.999371363	Not Sig
ENSG00000214776	OVOS	ovostatin	408186	97.30548917	0.7546898	0.963350514	0.783401045	0.433391643	0.999371363	Not Sig
ENSG00000109794	FAMI49A	family with sequence similarity 149 member A	25854	353.2402448	0.754942615	0.649476654	1.162386069	0.24507868	0.999371363	Not Sig
ENSG00000004848	ARX	aristales related homeobox	170302	27.93847921	0.755294294	1.325902814	0.569645291	0.568918303	0.999371363	Not Sig
ENSG00000157911	PEX10	peroxisomal biogenesis factor 10	5192	448.302117	0.755860696	0.472771754	1.598785649	0.109868239	0.999371363	Not Sig
ENSG00000221286	NA	NA	NA	1.551573102	0.756004428	2.313721393	0.326748255	0.743858299	NA	NA
ENSG00000165259	HDX	highly divergent homeobox	139324	109.7591786	0.75650718	0.5802949	1.303659881	0.192349574	0.999371363	Not Sig
ENSG00000131238	PPT1	palmitoyl-protein thioesterase 1	5538	3137.68461	0.756710584	0.562564134	1.345109897	0.178589748	0.999371363	Not Sig
ENSG00000231233	NA	NA	NA	5.335761247	0.757794291	1.203736687	0.62953493	0.528998908	NA	NA
ENSG00000255320	NA	NA	NA	8.08598292	0.758162012	0.936547673	0.809528478	0.418211229	0.999371363	Not Sig
ENSG00000117477	CCDC181	coiled-coil domain containing 181	57821	21.40458595	0.75851839	1.29377881	0.586281352	0.557686461	0.999371363	Not Sig
ENSG00000256164	CCND2-AS1	CCND2 antisense RNA 1	103752584	3.531423983	0.758529211	1.617646662	0.468909082	0.639134624	NA	NA
ENSG00000162999	DUSP19	dual specificity phosphatase 19	142679	87.67970485	0.759991567	0.522040935	1.455808381	0.145445598	0.999371363	Not Sig

ENSG00000130695	CEP85	centrosomal protein 85	64793	481.7171466	0.761635796	0.560000258	1.360063294	0.173809895	0.999371363	Not Sig
ENSG00000259431	THTPA	thiamine triphosphatase	79178	131.2193366	0.762133393	0.622872001	1.22357947	0.221110908	0.999371363	Not Sig
ENSG00000161405	IKZF3	IKAROS family zinc finger 3	22806	346.170648	0.762498288	0.725402531	1.051138169	0.293195136	0.999371363	Not Sig
ENSG00000215221	NA	NA	NA	12.52807064	0.762643262	0.896168764	0.851004066	0.394767094	0.999371363	Not Sig
ENSG00000254090	NA	NA	NA	4.301689203	0.762795384	1.575113199	0.484279724	0.628187364	NA	NA
ENSG00000106327	TFR2	transferrin receptor 2	7036	27.44448132	0.762938466	0.831119025	0.917965349	0.358637007	0.999371363	Not Sig
ENSG00000237668	NA	NA	NA	0.99585094	0.763179335	2.324531018	0.328315402	0.7426732	NA	NA
ENSG00000181201	NA	NA	NA	1.789729841	0.763503196	1.877653928	0.406626154	0.684282585	NA	NA
ENSG00000174137	FAM53A	family with sequence similarity 53 member A	152877	51.02358052	0.764376995	0.628601801	1.215995553	0.223986616	0.999371363	Not Sig
ENSG00000224976	NA	NA	NA	1.953369822	0.764395907	1.707237516	0.447738466	0.654341957	NA	NA
ENSG00000237854	NA	NA	NA	403.4044489	0.7644383	0.480776551	1.590007457	0.111833124	0.999371363	Not Sig
ENSG00000090432	MUL1	mitochondrial E3 ubiquitin protein ligase 1	79594	661.77606	0.764559919	0.590283564	1.295241754	0.195236845	0.999371363	Not Sig
ENSG00000110848	CD69	CD69 molecule	969	448.3162642	0.766060234	0.88088745	0.869645984	0.3844939	0.999371363	Not Sig
ENSG00000168806	LCMT2	leucine carboxyl methyltransferase 2	9836	280.2270385	0.766340725	0.531328739	1.442309945	0.149214956	0.999371363	Not Sig
ENSG00000201209	NA	NA	NA	2.958110669	0.766701234	1.723806775	0.444772143	0.656484427	NA	NA
ENSG00000251356	NA	NA	NA	5.177236074	0.767823696	1.35861456	0.56515197	0.571970402	NA	NA
ENSG00000158321	AUTS2	AUTS2, activator of transcription and developmental regulator	26053	1709.836014	0.767986913	0.496524921	1.546723801	0.121929861	0.999371363	Not Sig
ENSG00000106628	POLD2	DNA polymerase delta 2, accessory subunit	5425	952.9666291	0.768140715	0.535666531	1.433990498	0.151574974	0.999371363	Not Sig
ENSG00000159363	ATP13A2	ATPase 13A2	23400	1502.56139	0.768161254	0.606712174	1.266104896	0.20547553	0.999371363	Not Sig
ENSG00000254444	NA	NA	NA	1.114156985	0.768383202	2.980176995	0.257831398	0.796537031	NA	NA
ENSG00000175756	AURKAIP1	aurora kinase A interacting protein 1	54998	1092.590083	0.768985681	0.585749482	1.312823492	0.189242432	0.999371363	Not Sig
ENSG00000120885	CLU	clusterin	1191	4764.208835	0.769197008	0.855187458	0.899448421	0.368413858	0.999371363	Not Sig
ENSG00000237686	LOC101929705	uncharacterized LOC101929705	101929705	18.61769701	0.769237093	0.971470529	0.791827514	0.428461257	0.999371363	Not Sig
ENSG00000255306	NA	NA	NA	4.969125156	0.769340156	1.187388032	0.647926487	0.517032498	NA	NA
ENSG00000122507	BBS9	Bardet-Biedl syndrome 9	27241	665.7034966	0.769411268	0.531474564	1.447691611	0.147703317	0.999371363	Not Sig
ENSG00000197568	HHLA3	HERV-H LTR-associating 3	11147	71.04223775	0.770256503	0.648651715	1.187473163	0.235041036	0.999371363	Not Sig
ENSG00000271746	NA	NA	NA	7.185959381	0.770385304	1.317030359	0.584941189	0.558587262	0.999371363	Not Sig
ENSG00000130707	ASS1	argininosuccinate synthase 1	445	1113.346898	0.770775924	0.641873502	1.200822157	0.229820195	0.999371363	Not Sig
ENSG00000141367	CLTC	clathrin heavy chain	1213	13499.59844	0.771212124	0.445660547	1.73049225	0.083542365	0.999371363	Not Sig
ENSG00000211848	NA	NA	NA	4.767413406	0.771811875	1.144667466	0.674267329	0.500141371	NA	NA
ENSG00000083444	PLOD1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	5351	2232.507111	0.771839128	0.5234604	1.474493825	0.140348679	0.999371363	Not Sig
ENSG00000241829	NA	NA	NA	1.715778384	0.772473866	1.879831006	0.410927293	0.681125849	NA	NA
ENSG00000106415	GLCCI1	glucocorticoid induced 1	113263	938.0880197	0.772536242	0.683448463	1.130350399	0.258328606	0.999371363	Not Sig
ENSG00000212402	SNORA74B	small nucleolar RNA, H/ACA box 74B	677841	35.27092445	0.773703351	0.672483494	1.150516492	0.249931206	0.999371363	Not Sig
ENSG00000054116	TRAPPC3	trafficking protein particle complex 3	27095	877.1971023	0.77377299	0.479458361	1.613848151	0.106560367	0.999371363	Not Sig

ENSG00000231765	NA	NA	NA	6.180388508	0.773879631	1.099981454	0.7035388	0.481720036	NA	NA
ENSG00000240036	NA	NA	NA	7.523657607	0.77428149	0.956439693	0.809545543	0.418201418	0.999371363	Not Sig
ENSG00000167291	TBC1D16	TBC1 domain family member 16	125058	2075.772514	0.775064541	0.546127256	1.419201354	0.155840321	0.999371363	Not Sig
ENSG00000173276	ZBTB21	zinc finger and BTB domain containing 21	49854	847.3925211	0.775090382	0.448792534	1.727057211	0.084157389	0.999371363	Not Sig
ENSG00000005189	REXO5	RNA exonuclease 5	81691	118.1587246	0.775259285	0.790356726	0.98089794	0.326643074	0.999371363	Not Sig
ENSG00000259704	NA	NA	NA	7.148026037	0.776190665	1.042908157	0.744256011	0.456721608	0.999371363	Not Sig
ENSG00000133808	MICALCL	MICAL C-terminal like	84953	436.1271758	0.776257151	0.76969422	1.008526673	0.31320169	0.999371363	Not Sig
ENSG00000188822	CNR2	cannabinoid receptor 2	1269	14.94941571	0.777400046	1.189687562	0.653448915	0.513466913	0.999371363	Not Sig
ENSG00000124508	BTN2A2	butyrophilin subfamily 2 member A2	10385	668.4766122	0.777683964	0.732211041	1.062103575	0.288188667	0.999371363	Not Sig
ENSG00000151136	BTBD11	BTB domain containing 11	121551	106.5739426	0.778042835	0.844612704	0.921182965	0.35695491	0.999371363	Not Sig
ENSG00000184076	UQCR10	ubiquinol-cytochrome c reductase, complex III subunit X	29796	639.566571	0.778306961	0.540900878	1.438908667	0.150176401	0.999371363	Not Sig
ENSG00000268879	NA	NA	NA	1.008726012	0.778608377	2.641947921	0.294709964	0.768215451	NA	NA
ENSG00000272927	NA	NA	NA	12.84879217	0.778768122	0.866400798	0.898854345	0.368730249	0.999371363	Not Sig
ENSG00000223653	NA	NA	NA	8.202429364	0.779379936	1.178202519	0.661499126	0.508292275	0.999371363	Not Sig
ENSG00000060642	PIGV	phosphatidylinositol glycan anchor biosynthesis class V	55650	404.9673541	0.779565503	0.582103967	1.339220392	0.180498936	0.999371363	Not Sig
ENSG00000226415	NA	NA	NA	9.373013858	0.779684362	0.971510293	0.80254874	0.422235606	0.999371363	Not Sig
ENSG00000144668	ITGA9	integrin subunit alpha 9	3680	2057.923394	0.780643647	0.642905548	1.214243132	0.224654894	0.999371363	Not Sig
ENSG00000250869	NA	NA	NA	1.12059452	0.780723385	2.97708612	0.262244139	0.793133226	NA	NA
ENSG00000180458	NA	NA	NA	1.313981664	0.780751173	2.130834602	0.366406277	0.714061937	NA	NA
ENSG00000244167	NA	NA	NA	1.313981664	0.780751173	2.130834602	0.366406277	0.714061937	NA	NA
ENSG00000074800	ENO1	enolase 1	2023	17809.39627	0.781159515	0.521797211	1.49705575	0.134378752	0.999371363	Not Sig
ENSG00000148123	PLPPR1	phospholipid phosphatase related 1	54886	85.26745457	0.781774079	0.735268862	1.063249268	0.287668925	0.999371363	Not Sig
ENSG00000230756	NA	NA	NA	1.381340868	0.782360377	2.3418602	0.334076465	0.738321859	NA	NA
ENSG00000111536	IL26	interleukin 26	55801	1.461729861	0.78238706	2.028378889	0.385720372	0.699703773	NA	NA
ENSG00000264979	MIR4436B1	microRNA 4436b-1	100616123	1.461729861	0.78238706	2.028378889	0.385720372	0.699703773	NA	NA
ENSG00000230266	XXYLT1-AS2	XXYLT1 antisense RNA 2	101410543	4.440437497	0.782621849	1.43578818	0.545081691	0.585697335	NA	NA
ENSG00000198715	GLMP	glycosylated lysosomal membrane protein	112770	822.3879478	0.78263868	0.523620573	1.494667551	0.135001227	0.999371363	Not Sig
ENSG00000221222	NA	NA	NA	1.766985514	0.782662004	1.87818922	0.416710944	0.676889848	NA	NA
ENSG00000231908	IDH1-AS1	IDH1 antisense RNA 1	100507475	9.010833558	0.783159796	0.931782432	0.840496418	0.400630109	0.999371363	Not Sig
ENSG00000056998	GYG2	glycogenin 2	8908	266.001164	0.783883391	0.848342303	0.924017802	0.355477047	0.999371363	Not Sig
ENSG00000185527	PDE6G	phosphodiesterase 6G	5148	11.63670419	0.784376238	0.881904597	0.889411668	0.373781877	0.999371363	Not Sig
ENSG00000184860	SDR42E1	short chain dehydrogenase/reductase family 42E, member 1	93517	164.480021	0.784531783	0.70427598	1.113955048	0.265298472	0.999371363	Not Sig
ENSG00000123989	CHPF	chondroitin polymerizing factor	79586	2390.492361	0.784689994	0.479846611	1.635293396	0.101987557	0.999371363	Not Sig
ENSG00000002587	HS3ST1	heparan sulfate-glucosamine 3-sulfotransferase 1	9957	276.1660635	0.785146534	0.603032981	1.301996007	0.192917751	0.999371363	Not Sig
ENSG00000183246	RIMBP3C	RIMS binding protein 3C	150221	2.740092127	0.78610582	1.50591546	0.522011919	0.601662032	NA	NA

ENSG00000211724	NA	NA	NA	2.724659113	0.786685067	2.055373781	0.382745501	0.701908474	NA	NA
ENSG00000231160	KLF3-AS1	KLF3 antisense RNA 1	79667	79.89908445	0.786927892	0.651084771	1.208641221	0.226800713	0.999371363	Not Sig
ENSG00000205559	CHKB-AS1	CHKB antisense RNA 1 (head to head)	100144603	31.37124611	0.787126514	0.894749505	0.879717184	0.379012538	0.999371363	Not Sig
ENSG00000170270	GON7	GON7, KEOPS complex subunit	84520	142.9692194	0.78754171	0.446866789	1.762363479	0.078007905	0.999371363	Not Sig
ENSG00000259137	NA	NA	NA	1.773423049	0.787825843	1.839197331	0.428353081	0.668394079	NA	NA
ENSG00000236860	NA	NA	NA	2.226426899	0.78869377	1.703146724	0.463080344	0.643306779	NA	NA
ENSG00000109066	TMEM104	transmembrane protein 104	54868	774.6431151	0.788990178	0.629086973	1.254182985	0.209775503	0.999371363	Not Sig
ENSG00000215692	NA	NA	NA	4.095106655	0.789852778	1.349824987	0.58515199	0.558445523	NA	NA
ENSG00000187554	TLR5	toll like receptor 5	7100	373.9112348	0.790085253	0.565468576	1.397222209	0.16234676	0.999371363	Not Sig
ENSG00000125812	GZF1	GDNF inducible zinc finger protein 1	64412	535.622096	0.790147438	0.438790429	1.800739913	0.071743884	0.999371363	Not Sig
ENSG00000152578	GRIA4	glutamate ionotropic receptor AMPA type subunit 4	2893	1.528828775	0.79028374	2.021965751	0.390849222	0.695908689	NA	NA
ENSG00000254035	NA	NA	NA	13.35400554	0.790389785	0.808245518	0.977908033	0.328119812	0.999371363	Not Sig
ENSG00000238363	SNORA13	small nucleolar RNA, H/ACA box 13	654322	3.984262217	0.790478351	1.436996937	0.550090492	0.582257308	NA	NA
ENSG00000213280	NA	NA	NA	0.912445235	0.79070615	3.099885739	0.255075902	0.798664476	NA	NA
ENSG00000269657	NA	NA	NA	126.3956126	0.790874003	0.726755991	1.088224951	0.276495812	0.999371363	Not Sig
ENSG00000114737	CISH	cytokine inducible SH2 containing protein	1154	1095.160494	0.790878389	0.677324337	1.167650925	0.2429476	0.999371363	Not Sig
ENSG00000186056	MATN1-AS1	MATN1 antisense RNA 1	100129196	100.3835295	0.791282067	0.62589765	1.264235562	0.20614549	0.999371363	Not Sig
ENSG00000207016	SNORA36C	small nucleolar RNA, H/ACA box 36C	100124535	1.57359837	0.792148699	2.018499519	0.392444334	0.694729934	NA	NA
ENSG00000235043	NA	NA	NA	3.984107499	0.79282948	1.398723556	0.566823571	0.570834055	NA	NA
ENSG00000184886	NA	NA	NA	137.0060745	0.792905947	0.497860338	1.592627262	0.111243834	0.999371363	Not Sig
ENSG00000229151	NA	NA	NA	2.685868284	0.7932748	1.603111308	0.494834511	0.620716941	NA	NA
ENSG00000036530	CYP46A1	cytochrome P450 family 46 subfamily A member 1	10858	56.35392692	0.793646834	0.533551729	1.487478704	0.136888424	0.999371363	Not Sig
ENSG00000117122	MFAP2	microfibril associated protein 2	4237	266.8403053	0.793733142	0.620549557	1.27908099	0.200868537	0.999371363	Not Sig
ENSG00000109471	IL2	interleukin 2	3558	2.412246865	0.793763731	2.095830932	0.37873462	0.704884942	NA	NA
ENSG00000228214	NA	NA	NA	9.554799393	0.794404963	0.984985293	0.806514543	0.419946226	0.999371363	Not Sig
ENSG00000145192	AHSG	alpha 2-HS glycoprotein	197	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000198153	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000207600	MIR598	microRNA 598	693183	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000214784	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000221403	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000223625	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000243601	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000250492	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000254607	LOC101929427	uncharacterized LOC101929427	101929427	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000260115	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA

ENSG00000266510	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000270983	NA	NA	NA	0.536409555	0.794523537	3.660180895	0.217072205	0.828152075	NA	NA
ENSG00000111716	LDHB	lactate dehydrogenase B	3945	3518.37739	0.794611479	0.455447319	1.744683624	0.081039955	0.999371363	Not Sig
ENSG00000271369	NA	NA	NA	1.37188662	0.794897652	2.732280528	0.290928272	0.771106178	NA	NA
ENSG00000264898	NA	NA	NA	7.499618022	0.795016828	1.03440816	0.76857169	0.442147617	0.999371363	Not Sig
ENSG00000108878	CACNG1	calcium voltage-gated channel auxiliary subunit gamma 1	786	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000134365	CFHR4	complement factor H related 4	10877	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000175206	NPPA	natriuretic peptide A	4878	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000187268	FAM9C	family with sequence similarity 9 member C	171484	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000198062	POTEH	POTE ankyrin domain family member H	23784	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000205863	C1QTNF9B	C1q and TNF related 9B	387911	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000206932	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000211920	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000214354	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000221270	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000224396	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000226017	PRICKLE2-AS3	PRICKLE2 antisense RNA 3	100874243	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000228196	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000229598	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000231989	PPP1R2P3	protein phosphatase 1 regulatory inhibitor subunit 2 pseudogene 3	153743	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000234818	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000253359	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000259513	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000260021	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000272234	NA	NA	NA	0.494341724	0.795049689	3.75611331	0.211668186	0.83236591	NA	NA
ENSG00000272030	NA	NA	NA	15.24143357	0.795058366	0.743117249	1.069896262	0.284666006	0.999371363	Not Sig
ENSG00000212605	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000227512	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000228941	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000230691	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000231448	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000231907	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000232337	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000235876	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000239544	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA

ENSG00000252327	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000255875	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000256577	LOC101929384	uncharacterized LOC101929384	101929384	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000261707	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000268656	NA	NA	NA	0.478034932	0.795259773	3.796638165	0.209464199	0.83408588	NA	NA
ENSG00000135414	GDF11	growth differentiation factor 11	10220	164.3480938	0.79535048	0.519623401	1.530628678	0.12586119	0.999371363	Not Sig
ENSG00000135314	KHDC1	KH domain containing 1	80759	45.86449216	0.795453964	0.771952763	1.030443834	0.302801705	0.999371363	Not Sig
ENSG00000030110	BAK1	BCL2 antagonist/killer 1	578	574.7701885	0.795460519	0.558016264	1.425514935	0.154008406	0.999371363	Not Sig
ENSG00000169902	TPST1	tyrosylprotein sulfotransferase 1	8460	409.8546022	0.795593815	0.465943884	1.70748848	0.087731297	0.999371363	Not Sig
ENSG00000266992	NA	NA	NA	2.405654611	0.795677276	1.605699844	0.49553301	0.620223927	NA	NA
ENSG00000107165	TYRP1	tyrosinase related protein 1	7306	119.3971405	0.796491648	0.868169902	0.917437526	0.358913416	0.999371363	Not Sig
ENSG00000263080	LOC105371083	uncharacterized LOC105371083	105371083	3.145309669	0.796565305	1.540443752	0.517101195	0.60508552	NA	NA
ENSG00000167536	DHRS13	dehydrogenase/reductase 13	147015	329.6273863	0.796868117	0.670268025	1.188879801	0.23448697	0.999371363	Not Sig
ENSG00000135318	NT5E	5'-nucleotidase ecto	4907	1485.278668	0.797074921	0.739530334	1.077812341	0.281117511	0.999371363	Not Sig
ENSG00000160282	FTCD	formimidoyltransferase cyclodeaminase	10841	16.72988849	0.79708866	0.823830381	0.967539773	0.333274268	0.999371363	Not Sig
ENSG00000213888	NA	NA	NA	60.97186172	0.798382541	0.795795146	1.003251333	0.315739611	0.999371363	Not Sig
ENSG00000168386	FILIP1L	filamin A interacting protein 1 like	11259	1206.882186	0.798948036	0.537778709	1.485644604	0.13737315	0.999371363	Not Sig
ENSG00000104369	JPH1	junctionophilin 1	56704	307.0572446	0.798990591	0.770675908	1.036740066	0.299857014	0.999371363	Not Sig
ENSG00000106105	GARS	glycyl-tRNA synthetase	2617	1783.464797	0.799159486	0.560170202	1.426636909	0.15368458	0.999371363	Not Sig
ENSG00000184792	OSBP2	oxysterol binding protein 2	23762	269.4299284	0.799278038	0.469011204	1.704176854	0.088348052	0.999371363	Not Sig
ENSG00000163399	ATP1A1	ATPase Na ⁺ /K ⁺ transporting subunit alpha 1	476	15845.67268	0.801286977	0.534112804	1.500220498	0.133557295	0.999371363	Not Sig
ENSG00000268222	NA	NA	NA	5.378019386	0.801385448	1.218428486	0.657720545	0.510717718	NA	NA
ENSG00000149573	MPZL2	myelin protein zero like 2	10205	2552.151926	0.801980985	0.563776824	1.422514994	0.154876802	0.999371363	Not Sig
ENSG00000227039	ITGB2-AS1	ITGB2 antisense RNA 1	100505746	129.7785216	0.802465066	0.474555118	1.690983906	0.090839876	0.999371363	Not Sig
ENSG00000154511	FAM69A	family with sequence similarity 69 member A	388650	303.5976087	0.802474652	0.722005377	1.111452459	0.266373643	0.999371363	Not Sig
ENSG00000118640	VAMP8	vesicle associated membrane protein 8	8673	1649.077625	0.802921769	0.579631111	1.385228905	0.165982485	0.999371363	Not Sig
ENSG00000237702	NA	NA	NA	4.160627934	0.803198352	1.847889336	0.434657171	0.66381129	NA	NA
ENSG00000259626	NA	NA	NA	1.853812042	0.803780679	2.554305999	0.314676738	0.753007108	NA	NA
ENSG00000160211	G6PD	glucose-6-phosphate dehydrogenase	2539	1766.288498	0.804110147	0.716207077	1.122734154	0.261550418	0.999371363	Not Sig
ENSG00000103260	METRNL	meteorin, glial cell differentiation regulator	79006	594.1144354	0.804211816	0.629333274	1.277879065	0.201292071	0.999371363	Not Sig
ENSG00000162396	PARS2	prolyl-tRNA synthetase 2, mitochondrial	25973	105.8660293	0.805833908	0.574076337	1.403705144	0.16040667	0.999371363	Not Sig
ENSG00000184208	C22orf46	chromosome 22 open reading frame 46	79640	324.8171879	0.806311664	0.585157301	1.377940022	0.168221807	0.999371363	Not Sig
ENSG00000184924	PTRHD1	peptidyl-tRNA hydrolase domain containing 1	391356	264.1264658	0.806383415	0.441533121	1.826325989	0.067801173	0.999371363	Not Sig
ENSG00000185164	NOMO2	NODAL modulator 2	283820	1243.27145	0.806390331	0.406324817	1.984595323	0.047189513	0.999371363	Not Sig
ENSG00000185164	LOC102723728	nodal modulator 3-like	102723728	1243.27145	0.806390331	0.406324817	1.984595323	0.047189513	0.999371363	Not Sig

ENSG00000109576	AADAT	aminoadipate aminotransferase	51166	226.9388387	0.80818122	0.490217845	1.648616483	0.09922623	0.999371363	Not Sig
ENSG00000110218	PANX1	pannexin 1	24145	508.1495005	0.809417843	0.476749938	1.697782796	0.089548764	0.999371363	Not Sig
ENSG00000259640	NA	NA	NA	4.641679579	0.809418054	1.252418407	0.646284061	0.518095409	NA	NA
ENSG00000177459	ERICH5	glutamate rich 5	203111	50.29997872	0.810050908	0.996891872	0.8125765	0.41646091	0.999371363	Not Sig
ENSG00000135119	RNFT2	ring finger protein, transmembrane 2	84900	88.65679166	0.810147218	0.653525615	1.23965641	0.215102507	0.999371363	Not Sig
ENSG00000263013	NA	NA	NA	73.83892297	0.810330409	0.609921966	1.328580465	0.18398642	0.999371363	Not Sig
ENSG00000164885	CDK5	cyclin dependent kinase 5	1020	182.1616067	0.810407084	0.531386462	1.525080411	0.127239043	0.999371363	Not Sig
ENSG00000166340	TPP1	tripeptidyl peptidase 1	1200	4816.237707	0.810480587	0.522929669	1.549884497	0.121169241	0.999371363	Not Sig
ENSG00000163291	PAQR3	progesterone and adiponectin receptor family member 3	152559	271.5834027	0.810536573	0.492587652	1.645466669	0.099873606	0.999371363	Not Sig
ENSG00000262884	LOC101927911	uncharacterized LOC101927911	101927911	12.26233288	0.810550437	1.260162045	0.643211276	0.520087017	0.999371363	Not Sig
ENSG00000160877	NACCI	nucleus accumbens associated 1	112939	1625.820974	0.810623037	0.620061884	1.307326022	0.19110201	0.999371363	Not Sig
ENSG00000265477	NA	NA	NA	19.58956551	0.81084653	0.776791358	1.043840823	0.296559041	0.999371363	Not Sig
ENSG00000267342	NA	NA	NA	11.38492614	0.811000145	1.249235717	0.649197052	0.516211017	0.999371363	Not Sig
ENSG00000186891	TNFRSF18	TNF receptor superfamily member 18	8784	96.67203666	0.811020686	0.646609045	1.254267462	0.209744806	0.999371363	Not Sig
ENSG00000143537	ADAM15	ADAM metalloproteinase domain 15	8751	3189.045994	0.81132582	0.631995663	1.283752195	0.199228675	0.999371363	Not Sig
ENSG00000255647	LOC731157	uncharacterized LOC731157	731157	1.844203076	0.811460499	2.533255069	0.320323251	0.748723299	NA	NA
ENSG00000163739	CXCL1	C-X-C motif chemokine ligand 1	2919	265.6073247	0.81292071	0.462327488	1.758322252	0.078692694	0.999371363	Not Sig
ENSG00000003096	KLHL13	kelch like family member 13	90293	50.10686092	0.813150397	0.863288134	0.94192236	0.346232391	0.999371363	Not Sig
ENSG00000231503	NA	NA	NA	16.0926259	0.813242059	0.783047645	1.038560125	0.299009359	0.999371363	Not Sig
ENSG00000089101	CFAP61	cilia and flagella associated protein 61	26074	59.94399426	0.813300483	1.040716447	0.781481339	0.434519448	0.999371363	Not Sig
ENSG00000256061	DNAAF4	dynein axonemal assembly factor 4	161582	27.51254057	0.813561994	0.687792128	1.182860288	0.236864522	0.999371363	Not Sig
ENSG00000228929	NA	NA	NA	3.350287524	0.813967389	1.329409205	0.612277533	0.540354151	NA	NA
ENSG000000052795	FNIP2	folliculin interacting protein 2	57600	3537.52583	0.81409466	0.50088764	1.62530395	0.10409781	0.999371363	Not Sig
ENSG00000181074	OR52N4	olfactory receptor family 52 subfamily N member 4 (gene/pseudogene)	390072	4.465468579	0.815011222	1.476167503	0.552112968	0.580870957	NA	NA
ENSG00000037241	RPL26L1	ribosomal protein L26 like 1	51121	167.5127015	0.817698694	0.512467716	1.595610158	0.110575858	0.999371363	Not Sig
ENSG000000000003	TSPAN6	tetraspanin 6	7105	621.7443002	0.817994216	0.72571213	1.127160733	0.259674529	0.999371363	Not Sig
ENSG00000227726	NA	NA	NA	12.23782334	0.818239005	0.8287792	0.987282264	0.323504283	0.999371363	Not Sig
ENSG00000013619	MAMLD1	mastermind like domain containing 1	10046	252.3298019	0.818252038	0.531550976	1.539367013	0.123714722	0.999371363	Not Sig
ENSG00000187912	CLEC17A	C-type lectin domain containing 17A	388512	9.834476194	0.819109644	1.285934739	0.636976061	0.524140437	0.999371363	Not Sig
ENSG00000124196	GTSF1L	gametocyte specific factor 1 like	149699	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000141255	SPATA22	spermatogenesis associated 22	84690	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000230593	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000237955	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000249532	LOC109864269	uncharacterized LOC109864269	109864269	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000252732	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA

ENSG00000254650	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000255808	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000259642	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000263841	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000264737	MIR4511	microRNA 4511	100616379	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000269131	NA	NA	NA	0.542847091	0.81918162	3.648799128	0.224507185	0.822362677	NA	NA
ENSG00000226964	NA	NA	NA	2.328426151	0.819599091	1.622694494	0.505085273	0.613498945	NA	NA
ENSG00000264797	NA	NA	NA	2.977213897	0.819676799	1.920714587	0.426756169	0.669556935	NA	NA
ENSG00000201315	NA	NA	NA	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000205126	ACCSL	l-aminocyclopropane-1-carboxylate synthase homolog (inactive) like	390110	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000214857	NA	NA	NA	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000224025	NA	NA	NA	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000241185	NA	NA	NA	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000249876	NA	NA	NA	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000252712	SCARNA14	small Cajal body-specific RNA 14	692149	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000267366	NA	NA	NA	0.500779259	0.819887157	3.742980453	0.219046604	0.826613744	NA	NA
ENSG00000146722	LOC541473	FK506 binding protein 6, 36kDa pseudogene	541473	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000215120	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000225240	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000230125	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000238756	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000239504	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000239917	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000240480	RPL29P2	ribosomal protein L29 pseudogene 2	118432	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000255786	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000258851	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000261002	NA	NA	NA	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000266738	MIR4757	microRNA 4757	100616307	0.484472468	0.820168438	3.782721794	0.216819656	0.828348893	NA	NA
ENSG00000102100	SLC35A2	solute carrier family 35 member A2	7355	629.7280208	0.820749139	0.413262406	1.986024199	0.047030637	0.999371363	Not Sig
ENSG00000260008	NA	NA	NA	3.186647543	0.820992629	1.525897924	0.538039024	0.590550108	NA	NA
ENSG00000243753	HLA-L	major histocompatibility complex, class I, L (pseudogene)	3139	71.78155534	0.821704753	0.590693375	1.391085099	0.164199623	0.999371363	Not Sig
ENSG00000231256	C17orf105	chromosome 17 open reading frame 105	284067	0.985981684	0.821710615	2.329232167	0.352781756	0.724252062	NA	NA
ENSG00000179528	LBX2	ladybird homeobox 2	85474	35.71751998	0.823093028	0.580452165	1.418020429	0.1561848	0.999371363	Not Sig
ENSG00000113070	HBEGF	heparin binding EGF like growth factor	1839	982.961102	0.823402147	0.801455055	1.027384058	0.304239655	0.999371363	Not Sig
ENSG00000211653	NA	NA	NA	1504.941417	0.823641703	1.197399338	0.687858826	0.491541687	0.999371363	Not Sig

ENSG00000090661	CERS4	ceramide synthase 4	79603	938.9019111	0.823997441	0.823700511	1.000360483	0.317136087	0.999371363	Not Sig
ENSG00000206503	HLA-A	major histocompatibility complex, class I, A	3105	36279.946	0.824225071	0.901393451	0.914389903	0.360512005	0.999371363	Not Sig
ENSG00000180964	TCEAL8	transcription elongation factor A like 8	90843	724.5006866	0.824314809	0.676382299	1.218711385	0.222953755	0.999371363	Not Sig
ENSG00000186940	NA	NA	NA	4.043745765	0.824884613	1.632581532	0.505263962	0.613373451	NA	NA
ENSG00000269151	NA	NA	NA	3.884395001	0.825032041	1.821757354	0.45287702	0.650637299	NA	NA
ENSG00000239333	NA	NA	NA	1.837505251	0.825169494	2.193025948	0.376269827	0.706716309	NA	NA
ENSG00000237172	B3GNT9	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9	84752	584.3393796	0.826137846	0.557174019	1.482728588	0.138146536	0.999371363	Not Sig
ENSG00000256553	NA	NA	NA	5.93347036	0.827464388	1.247227367	0.663443098	0.507046812	NA	NA
ENSG00000100285	NEFH	neurofilament heavy	4744	13.86759902	0.827961968	1.022283202	0.80991448	0.417989329	0.999371363	Not Sig
ENSG00000265521	MIR5697	microRNA 5697	100847055	3.287622725	0.828040955	1.718866753	0.481736559	0.629993102	NA	NA
ENSG00000150967	ABCB9	ATP binding cassette subfamily B member 9	23457	204.006471	0.828477124	0.495772007	1.671084919	0.094704906	0.999371363	Not Sig
ENSG00000215915	ATAD3C	ATPase family, AAA domain containing 3C	219293	172.2845906	0.828934953	0.645604568	1.283966988	0.199153506	0.999371363	Not Sig
ENSG00000265510	MIR4436A	microRNA 4436a	100616399	0.99241922	0.829194557	2.649578361	0.3129534	0.754316066	NA	NA
ENSG00000211886	NA	NA	NA	6.514085168	0.829530016	1.205942629	0.687868557	0.491535559	NA	NA
ENSG00000093144	ECHDC1	ethylmalonyl-CoA decarboxylase 1	55862	1410.049729	0.829689477	0.483114773	1.717375505	0.085910584	0.999371363	Not Sig
ENSG00000135740	SLC9A5	solute carrier family 9 member A5	6553	110.1933256	0.829996824	0.548462129	1.513316564	0.130199267	0.999371363	Not Sig
ENSG00000153283	CD96	CD96 molecule	10225	331.1990306	0.830002898	0.709355054	1.170081037	0.241968359	0.999371363	Not Sig
ENSG00000166927	MS4A7	membrane spanning 4-domains A7	58475	1100.400568	0.830651663	0.935441442	0.887978259	0.374552446	0.999371363	Not Sig
ENSG00000197705	KLHL14	kelch like family member 14	57565	12.37019953	0.831721709	1.126111175	0.738578684	0.460162872	0.999371363	Not Sig
ENSG00000214645	NA	NA	NA	1.563729114	0.832276213	2.019336449	0.412153316	0.680227052	NA	NA
ENSG00000133134	BEX2	brain expressed X-linked 2	84707	116.463849	0.83237684	0.961029116	0.866130719	0.386418481	0.999371363	Not Sig
ENSG00000175536	LIPT2	lipoyl(octanoyl) transferase 2	387787	35.1030234	0.832656205	0.679066682	1.226177381	0.220131931	0.999371363	Not Sig
ENSG00000015520	NPC1L1	NPC1 like intracellular cholesterol transporter 1	29881	71.08161172	0.832937374	1.01336528	0.821951759	0.411104353	0.999371363	Not Sig
ENSG00000225936	NA	NA	NA	3.489035817	0.832977408	1.628507758	0.511497353	0.609002841	NA	NA
ENSG00000207005	RNU1-2	RNA, U1 small nuclear 2	26870	45.19715365	0.833817998	0.632349192	1.318603721	0.187301629	0.999371363	Not Sig
ENSG00000182612	TSPAN10	tetraspanin 10	83882	98.62314929	0.833875687	0.691237319	1.206352238	0.227681704	0.999371363	Not Sig
ENSG00000223552	NA	NA	NA	37.4631309	0.834695924	0.806553333	1.034892412	0.300719159	0.999371363	Not Sig
ENSG00000200629	NA	NA	NA	1.400349423	0.83540347	2.784327137	0.300037829	0.764148301	NA	NA
ENSG00000136048	DRAM1	DNA damage regulated autophagy modulator 1	55332	2981.640086	0.835567296	0.728923941	1.146302444	0.251670032	0.999371363	Not Sig
ENSG00000110448	CD5	CD5 molecule	921	178.3347517	0.835737275	0.737078218	1.133851543	0.256856826	0.999371363	Not Sig
ENSG00000135824	RGS8	regulator of G protein signaling 8	85397	1.037188814	0.836483124	2.313375971	0.361585464	0.717661829	NA	NA
ENSG00000211717	NA	NA	NA	1.037188814	0.836483124	2.313375971	0.361585464	0.717661829	NA	NA
ENSG00000214207	NA	NA	NA	1.037188814	0.836483124	2.313375971	0.361585464	0.717661829	NA	NA
ENSG00000240534	NA	NA	NA	1.037188814	0.836483124	2.313375971	0.361585464	0.717661829	NA	NA
ENSG00000248565	NA	NA	NA	1.037188814	0.836483124	2.313375971	0.361585464	0.717661829	NA	NA

ENSG00000156463	SH3RF2	SH3 domain containing ring finger 2	153769	333.117689	0.836591504	0.510395995	1.639102798	0.101191852	0.999371363	Not Sig
ENSG00000137869	CYP19A1	cytochrome P450 family 19 subfamily A member 1	1588	6.206826095	0.836707251	1.185929956	0.705528389	0.480481471	NA	NA
ENSG00000160233	LRRC3	leucine rich repeat containing 3	81543	83.27487113	0.837104653	0.847457456	0.98778369	0.323258597	0.999371363	Not Sig
ENSG00000257875	NA	NA	NA	10.17783932	0.837240299	1.117177686	0.749424473	0.453601405	0.999371363	Not Sig
ENSG00000039560	RAI14	retinoic acid induced 14	26064	3445.859375	0.837382793	0.538217181	1.555845528	0.119744829	0.999371363	Not Sig
ENSG00000260608	NA	NA	NA	3.84421424	0.838524965	1.463459088	0.572974654	0.566661856	NA	NA
ENSG00000197558	SSPO	SCO-spondin	23145	187.2600115	0.838610047	0.919496485	0.912031814	0.361751971	0.999371363	Not Sig
ENSG00000182858	ALG12	ALG12, alpha-1,6-mannosyltransferase	79087	849.5692159	0.838634459	0.594157831	1.411467484	0.158106817	0.999371363	Not Sig
ENSG00000181773	GPR3	G protein-coupled receptor 3	2827	16.36683458	0.839248161	0.811499918	1.034193771	0.301045585	0.999371363	Not Sig
ENSG00000167861	HID1	HID1 domain containing	283987	1888.585588	0.840156279	0.656209356	1.280317435	0.200433518	0.999371363	Not Sig
ENSG00000255158	NA	NA	NA	2.871522634	0.840880277	1.495647103	0.56221837	0.573967247	NA	NA
ENSG00000220517	NA	NA	NA	19.07397445	0.841242256	0.922072191	0.912338822	0.361590384	0.999371363	Not Sig
ENSG00000225151	GOLGA2P7	golgin A2 pseudogene 7	388152	346.1190467	0.841803206	0.631066462	1.333937481	0.182224347	0.999371363	Not Sig
ENSG00000254718	LOC101927702	uncharacterized LOC101927702	101927702	11.97430525	0.842534321	0.921330155	0.914476007	0.36046678	0.999371363	Not Sig
ENSG00000122861	PLAU	plasminogen activator, urokinase	5328	1640.955404	0.842663714	0.633047554	1.331122297	0.183148774	0.999371363	Not Sig
ENSG00000063761	ADCK1	aarF domain containing kinase 1	57143	223.3441093	0.842685936	0.469863452	1.793469853	0.072897827	0.999371363	Not Sig
ENSG00000104808	DHDH	dihydrodiol dehydrogenase	27294	25.2863277	0.842732353	0.823112981	1.023835577	0.305912943	0.999371363	Not Sig
ENSG00000165898	ISCA2	iron-sulfur cluster assembly 2	122961	334.1899446	0.843589336	0.45973167	1.83496024	0.066511581	0.999371363	Not Sig
ENSG00000076258	FMO4	flavin containing monooxygenase 4	2329	114.6668453	0.843690722	0.630313575	1.338525388	0.18072523	0.999371363	Not Sig
ENSG00000176945	MUC20	mucin 20, cell surface associated	200958	744.8234514	0.843913914	0.759662945	1.110905725	0.266608931	0.999371363	Not Sig
ENSG00000134376	CRB1	crumbs 1, cell polarity complex component	23418	9.28701417	0.844804337	0.91318729	0.925116179	0.354905478	0.999371363	Not Sig
ENSG00000133195	SLC39A11	solute carrier family 39 member 11	201266	1070.920656	0.844981232	0.438038508	1.929011298	0.05372946	0.999371363	Not Sig
ENSG00000264333	NA	NA	NA	0.896138443	0.845307327	2.697334447	0.313386176	0.753987286	NA	NA
ENSG00000226284	NA	NA	NA	1.939764793	0.846196231	1.634470759	0.517718794	0.604654483	NA	NA
ENSG00000134042	MRO	maestro	83876	4.351846042	0.846557473	1.215809826	0.696291028	0.486246591	NA	NA
ENSG00000135905	DOCK10	dedicator of cytokinesis 10	55619	1996.283814	0.847277312	0.664071403	1.275882847	0.201996935	0.999371363	Not Sig
ENSG00000172215	CXCR6	C-X-C motif chemokine receptor 6	10663	106.3056382	0.847401939	0.723063883	1.171959987	0.241213121	0.999371363	Not Sig
ENSG00000155980	KIF5A	kinesin family member 5A	3798	11.8797004	0.847607942	0.935029389	0.906504065	0.364669114	0.999371363	Not Sig
ENSG00000223969	NA	NA	NA	2.860945216	0.847686227	1.96718835	0.43091259	0.666531929	NA	NA
ENSG00000162757	Clorf74	chromosome 1 open reading frame 74	148304	79.30668643	0.847717865	0.70617538	1.200435315	0.22997032	0.999371363	Not Sig
ENSG00000233255	NA	NA	NA	7.428817158	0.847899181	1.118021684	0.758392429	0.448216089	0.999371363	Not Sig
ENSG00000264314	MIR548AT	microRNA 548at	100847030	6.745782695	0.848210374	1.085411998	0.781463975	0.434529657	0.999371363	Not Sig
ENSG00000261594	TPBGL	trophoblast glycoprotein like	100507050	22.65862603	0.848241144	0.930016458	0.912071111	0.361731285	0.999371363	Not Sig
ENSG00000114547	ROPN1B	rhophilin associated tail protein 1B	152015	7.476914666	0.848526521	1.357041036	0.62527698	0.531789286	0.999371363	Not Sig
ENSG00000163888	CAMK2N2	calcium/calmodulin dependent protein kinase II inhibitor 2	94032	11.32214758	0.848619001	1.112108442	0.763072168	0.445420357	0.999371363	Not Sig

ENSG00000167333	TRIM68	tripartite motif containing 68	55128	583.4629818	0.849138072	0.638765246	1.329342943	0.183734853	0.999371363	Not Sig
ENSG00000204287	HLA-DRA	major histocompatibility complex, class II, DR alpha	3122	22253.53027	0.850416454	0.946682796	0.898311934	0.369019272	0.999371363	Not Sig
ENSG00000185437	SH3BGR	SH3 domain binding glutamate rich protein	6450	51.38873535	0.850534532	0.62245049	1.366429212	0.171804285	0.999371363	Not Sig
ENSG00000253851	NA	NA	NA	3.575143286	0.85113931	1.475199246	0.576965662	0.563962652	NA	NA
ENSG00000200888	NA	NA	NA	8.67056882	0.851682356	0.978708562	0.870210386	0.384185441	0.999371363	Not Sig
ENSG00000065618	COL17A1	collagen type XVII alpha 1 chain	1308	322.5712337	0.851877893	1.164750864	0.731382066	0.464545816	0.999371363	Not Sig
ENSG00000174808	BTC	betacellulin	685	130.0546254	0.852753515	0.469896022	1.814770662	0.069559161	0.999371363	Not Sig
ENSG00000239316	NA	NA	NA	5.641340249	0.852770195	1.184050301	0.7202145	0.471392938	NA	NA
ENSG00000175287	PHYHD1	phytanoyl-CoA dioxygenase domain containing 1	254295	289.4818724	0.852799802	0.60548256	1.408463032	0.158994006	0.999371363	Not Sig
ENSG00000157851	DPYSL5	dihydropyrimidinase like 5	56896	1.139448357	0.853063256	2.941996871	0.289960626	0.77184636	NA	NA
ENSG00000143578	CREB3L4	cAMP responsive element binding protein 3 like 4	148327	309.3709922	0.853397962	0.601398665	1.419022042	0.15589259	0.999371363	Not Sig
ENSG00000175279	CENPS	centromere protein S	378708	85.66892375	0.853418802	0.583326478	1.463020854	0.143461673	0.999371363	Not Sig
ENSG00000008441	NFIX	nuclear factor I X	4784	5430.06951	0.853551859	0.93094293	0.916868082	0.359211771	0.999371363	Not Sig
ENSG00000200394	SNORA38B	small nucleolar RNA, H/ACA box 38B	100124536	3.101697187	0.85355393	1.443788921	0.591190248	0.554392956	NA	NA
ENSG00000226790	NA	NA	NA	2.131867577	0.854614607	1.842424201	0.463853334	0.642752829	NA	NA
ENSG00000211777	NA	NA	NA	11.8305476	0.854830174	1.149737994	0.743499979	0.457179034	0.999371363	Not Sig
ENSG00000228078	NA	NA	NA	7.253930652	0.855546677	1.217331749	0.702804867	0.482177364	0.999371363	Not Sig
ENSG00000188763	FZD9	frizzled class receptor 9	8326	8.122890652	0.856634784	1.444739742	0.592933633	0.553225568	0.999371363	Not Sig
ENSG00000205838	TTC23L	tetratricopeptide repeat domain 23 like	153657	24.76169915	0.858118484	0.810207479	1.059134241	0.289538648	0.999371363	Not Sig
ENSG00000242208	NA	NA	NA	0.902575979	0.858253083	2.65511606	0.323245035	0.746509677	NA	NA
ENSG00000169258	GPRIN1	G protein regulated inducer of neurite outgrowth 1	114787	148.4819473	0.858440122	0.889470471	0.965113683	0.334487874	0.999371363	Not Sig
ENSG00000224251	NA	NA	NA	5.433698879	0.858468813	1.847264808	0.464724283	0.642128917	NA	NA
ENSG00000057019	DCBLD2	discoidin, CUB and LCCL domain containing 2	131566	1927.650159	0.858617186	0.571212816	1.503147621	0.132800981	0.999371363	Not Sig
ENSG00000177542	SLC25A22	solute carrier family 25 member 22	79751	609.4409833	0.858967692	0.628755319	1.366139842	0.171895075	0.999371363	Not Sig
ENSG00000252965	NA	NA	NA	6.272907292	0.859020364	1.281495541	0.670326456	0.502649706	NA	NA
ENSG00000262413	NA	NA	NA	26.86562412	0.859217541	0.703299971	1.221694265	0.221823266	0.999371363	Not Sig
ENSG00000271924	NA	NA	NA	2.058070837	0.859368729	1.65190254	0.52022968	0.602903501	NA	NA
ENSG00000169851	PCDH7	protocadherin 7	5099	750.5231275	0.860833302	0.744180681	1.156753089	0.247373253	0.999371363	Not Sig
ENSG00000152292	SH2D6	SH2 domain containing 6	284948	11.32892204	0.860923867	0.804808807	1.069724709	0.284743241	0.999371363	Not Sig
ENSG00000269889	NA	NA	NA	10.00330051	0.861119779	1.12123066	0.76801305	0.442479432	0.999371363	Not Sig
ENSG00000140279	DUOX2	dual oxidase 2	50506	187.8959482	0.861228977	0.944538379	0.911798818	0.361874633	0.999371363	Not Sig
ENSG00000241832	CECR3	cat eye syndrome chromosome region, candidate 3 (non-protein coding)	27442	9.658057864	0.86131073	1.33860213	0.64344043	0.519938356	0.999371363	Not Sig
ENSG00000102978	POLR2C	RNA polymerase II subunit C	5432	1392.892178	0.862523888	0.47133886	1.829944357	0.06725826	0.999371363	Not Sig
ENSG00000011638	TMEM159	transmembrane protein 159	57146	704.3580687	0.863274967	0.467562692	1.846329874	0.064844323	0.999371363	Not Sig
ENSG00000224536	NA	NA	NA	45.14627816	0.863384344	0.628480969	1.373763704	0.169515053	0.999371363	Not Sig

ENSG00000177685	CRACR2B	calcium release activated channel regulator 2B	283229	1020.205706	0.863387284	0.567365723	1.521747348	0.128072399	0.999371363	Not Sig
ENSG00000228175	NA	NA	NA	6.928841813	0.863949174	1.066766688	0.809876408	0.418011212	0.999371363	Not Sig
ENSG00000266144	MIR4654	microRNA 4654	100616386	6.937874581	0.864001263	1.139737926	0.758070117	0.448409008	0.999371363	Not Sig
ENSG00000163875	MEAF6	MYST/Esal associated factor 6	64769	1074.849772	0.864008676	0.494157399	1.748448323	0.080386427	0.999371363	Not Sig
ENSG00000101230	ISM1	isthmin 1	140862	182.4242107	0.864072995	0.648757672	1.331888673	0.182896774	0.999371363	Not Sig
ENSG00000265386	NA	NA	NA	2.144742648	0.864090295	1.881199169	0.459329511	0.645997558	NA	NA
ENSG00000224232	NA	NA	NA	4.197245302	0.864549485	1.455323116	0.594060161	0.552471876	NA	NA
ENSG00000253081	NA	NA	NA	2.478876111	0.864628382	1.791401401	0.482654743	0.629340903	NA	NA
ENSG00000238638	NA	NA	NA	7.003501433	0.865164991	1.11800074	0.773850105	0.439019438	0.999371363	Not Sig
ENSG00000187559	FOXD4L3	forkhead box D4 like 3	286380	2.886695359	0.865706103	1.572053445	0.550684905	0.581849694	NA	NA
ENSG00000147050	KDM6A	lysine demethylase 6A	7403	1656.855049	0.865778146	0.536422422	1.613985753	0.106530517	0.999371363	Not Sig
ENSG00000162694	EXTL2	exostosin like glycosyltransferase 2	2135	260.2749905	0.866485764	0.626199875	1.383720756	0.166443975	0.999371363	Not Sig
ENSG00000238708	NA	NA	NA	1.145885892	0.867102936	2.885648864	0.300488028	0.763804927	NA	NA
ENSG00000261071	NA	NA	NA	15.71259166	0.867327842	0.82662628	1.049238166	0.294068517	0.999371363	Not Sig
ENSG00000176532	PRR15	proline rich 15	222171	145.8223618	0.867400914	0.867010947	1.000449784	0.317092888	0.999371363	Not Sig
ENSG00000182752	PAPPA	pappalysin 1	5069	317.793918	0.867455423	0.725008964	1.196475445	0.231511075	0.999371363	Not Sig
ENSG00000166347	CYB5A	cytochrome b5 type A	1528	2310.425806	0.868078777	0.617922283	1.404834882	0.160070384	0.999371363	Not Sig
ENSG00000176115	NA	NA	NA	1.014444487	0.86961924	2.602360905	0.334165503	0.738254674	NA	NA
ENSG00000244675	NA	NA	NA	1.014444487	0.86961924	2.602360905	0.334165503	0.738254674	NA	NA
ENSG00000199962	NA	NA	NA	3.277189127	0.869757897	1.919956373	0.453009198	0.650542118	NA	NA
ENSG00000229164	NA	NA	NA	390.5757655	0.869796667	0.739261704	1.176574766	0.239365274	0.999371363	Not Sig
ENSG00000211698	NA	NA	NA	4.779841855	0.870157141	1.423269013	0.61137925	0.540948537	NA	NA
ENSG00000259895	LOC729652	uncharacterized LOC729652	729652	8.945414555	0.870505697	1.231686084	0.706759383	0.47971602	0.999371363	Not Sig
ENSG00000221058	NA	NA	NA	0.909013514	0.871834569	2.690986563	0.323983249	0.745950716	NA	NA
ENSG00000240063	NA	NA	NA	0.909013514	0.871834569	2.690986563	0.323983249	0.745950716	NA	NA
ENSG00000263584	MIR4480	microRNA 4480	100616151	19.78865195	0.872992489	0.758721303	1.150610225	0.249892625	0.999371363	Not Sig
ENSG00000259357	NA	NA	NA	3.914014917	0.873039205	1.430472815	0.610315132	0.541653075	NA	NA
ENSG00000229251	NA	NA	NA	0.953783109	0.873280835	2.629733628	0.332079579	0.73982917	NA	NA
ENSG00000257252	NA	NA	NA	9.204046517	0.87381137	1.022744478	0.854378966	0.392895046	0.999371363	Not Sig
ENSG00000138308	PLA2G12B	phospholipase A2 group XIIB	84647	15.68216919	0.874384512	1.140999016	0.766332398	0.443478546	0.999371363	Not Sig
ENSG00000181396	OGFOD3	2-oxoglutarate and iron dependent oxygenase domain containing 3	79701	1009.688073	0.875905459	0.581380403	1.506596119	0.131914213	0.999371363	Not Sig
ENSG00000255569	NA	NA	NA	4.63506553	0.876350838	1.80361642	0.485885373	0.627048439	NA	NA
ENSG00000196345	ZKSCAN7	zinc finger with KRAB and SCAN domains 7	55888	138.6095275	0.87659913	0.590930277	1.483422267	0.137962255	0.999371363	Not Sig
ENSG00000167414	GNG8	G protein subunit gamma 8	94235	1.885125942	0.877093409	1.969763691	0.445278494	0.656118508	NA	NA
ENSG00000235924	NA	NA	NA	1.885125942	0.877093409	1.969763691	0.445278494	0.656118508	NA	NA

ENSG00000100258	LMF2	lipase maturation factor 2	91289	1852.278713	0.878077002	0.731649936	1.200132684	0.230087814	0.999371363	Not Sig
ENSG00000202479	NA	NA	NA	1.152323428	0.878494658	2.882724606	0.304744566	0.760560704	NA	NA
ENSG00000213574	NA	NA	NA	1.152323428	0.878494658	2.882724606	0.304744566	0.760560704	NA	NA
ENSG00000168653	NDUFS5	NADH:ubiquinone oxidoreductase subunit S5	4725	828.1076253	0.878526771	0.446469027	1.967721652	0.049100073	0.999371363	Not Sig
ENSG00000169972	PUSL1	pseudouridylate synthase-like 1	126789	261.0500986	0.879043563	0.651710698	1.348824816	0.177393242	0.999371363	Not Sig
ENSG00000108753	NA	NA	NA	635.733013	0.879421645	0.860881133	1.021536669	0.307000245	0.999371363	Not Sig
ENSG00000232542	NA	NA	NA	23.83635773	0.880540112	0.889628426	0.989784146	0.322279636	0.999371363	Not Sig
ENSG00000122687	MRM2	mitochondrial rRNA methyltransferase 2	29960	550.7794786	0.880760873	0.566623905	1.554401189	0.12008875	0.999371363	Not Sig
ENSG00000231625	NA	NA	NA	1.432537101	0.881629616	2.774325733	0.31778158	0.750650624	NA	NA
ENSG00000169397	RNASE3	ribonuclease A family member 3	6037	1.020882023	0.882818113	2.319530348	0.380602096	0.703498526	NA	NA
ENSG00000241043	NA	NA	NA	12.70748026	0.883042738	0.880198641	1.003231199	0.315749323	0.999371363	Not Sig
ENSG00000238621	NA	NA	NA	7.583795907	0.883345802	1.02932347	0.858180959	0.390792549	0.999371363	Not Sig
ENSG00000139508	SLC46A3	solute carrier family 46 member 3	283537	512.6052772	0.883417982	0.639738528	1.380904765	0.167308245	0.999371363	Not Sig
ENSG00000073905	NA	NA	NA	4.029564538	0.883548117	1.226704593	0.720261522	0.471363991	NA	NA
ENSG00000115008	IL1A	interleukin 1 alpha	3552	27.29716004	0.884359898	0.971439746	0.910360011	0.362632679	0.999371363	Not Sig
ENSG00000250073	LOC101929340	uncharacterized LOC101929340	101929340	18.84424636	0.884485746	1.022991227	0.864607361	0.387254331	0.999371363	Not Sig
ENSG00000158106	RHPN1	rhophilin Rho GTPase binding protein 1	114822	669.0025459	0.885053991	0.640381201	1.382073661	0.166949085	0.999371363	Not Sig
ENSG00000133816	MICAL2	microtubule associated amoxygase, calponin and LIM domain containing 2	9645	5146.357735	0.885609271	0.435063955	2.035584105	0.041792135	0.999371363	Not Sig
ENSG00000106153	CHCHD2	coiled-coil-helix-coiled-coil-helix domain containing 2	51142	2708.096876	0.885770351	0.480108965	1.844936077	0.065046838	0.999371363	Not Sig
ENSG00000172456	FGGY	FGGY carbohydrate kinase domain containing	55277	496.8459612	0.885830664	0.481400125	1.840113073	0.065751638	0.999371363	Not Sig
ENSG00000212587	SNORA40C	small nucleolar RNA, H/ACA box 40C	109616968	0.960220644	0.885998467	2.626969659	0.337270156	0.735913255	NA	NA
ENSG00000240665	NA	NA	NA	0.960220644	0.885998467	2.626969659	0.337270156	0.735913255	NA	NA
ENSG00000255650	FAM222A-AS1	FAM222A antisense RNA 1	84983	0.960220644	0.885998467	2.626969659	0.337270156	0.735913255	NA	NA
ENSG00000222545	NA	NA	NA	3.926585936	0.886691374	1.240392357	0.714847499	0.474703281	NA	NA
ENSG00000121653	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	9479	298.1346564	0.886716577	0.706175538	1.255660285	0.209239164	0.999371363	Not Sig
ENSG00000179218	CALR	calreticulin	811	19283.32958	0.887033964	0.437400302	2.027968338	0.04256348	0.999371363	Not Sig
ENSG00000091490	SEL1L3	SEL1L family member 3	23231	4018.414512	0.887123008	0.623014925	1.423919352	0.154469819	0.999371363	Not Sig
ENSG00000103226	NOMO3	NODAL modulator 3	408050	218.7583519	0.887212394	1.137890165	0.779699501	0.435567773	0.999371363	Not Sig
ENSG00000238408	NA	NA	NA	2.587573189	0.887215435	1.701944589	0.521295136	0.602161189	NA	NA
ENSG00000176399	DMRTA1	DMRT like family A1	63951	149.0843352	0.887321088	0.940125817	0.943832274	0.345255365	0.999371363	Not Sig
ENSG00000204869	LOC400706	uncharacterized LOC400706	400706	1.158760964	0.887391916	2.933071219	0.302547006	0.762235106	NA	NA
ENSG00000204869	IGFL4	IGF like family member 4	444882	1.158760964	0.887391916	2.933071219	0.302547006	0.762235106	NA	NA
ENSG00000208023	MIR185	microRNA 185	406961	2.484898639	0.887839656	1.655216085	0.536388973	0.591689751	NA	NA
ENSG00000235957	NA	NA	NA	1.352148108	0.887868464	2.348188854	0.378107776	0.705350532	NA	NA
ENSG00000176809	LRRC37A3	leucine rich repeat containing 37 member A3	374819	157.4303231	0.888935685	0.453845923	1.958672845	0.050151113	0.999371363	Not Sig

ENSG00000259015	NA	NA	NA	8.646319856	0.889241191	0.933335489	0.952756219	0.340713602	0.999371363	Not Sig
ENSG00000248405	PRR5-ARHGAP8	PRR5-ARHGAP8 readthrough	553158	35.41143386	0.890365412	0.838013758	1.062471115	0.288021864	0.999371363	Not Sig
ENSG00000187980	PLA2G2C	phospholipase A2 group IIC	391013	6.327209516	0.890940859	1.145163651	0.77800309	0.436567191	NA	NA
ENSG00000240524	NA	NA	NA	1.840052296	0.891447475	1.841455439	0.484099401	0.628315327	NA	NA
ENSG00000188277	C15orf62	chromosome 15 open reading frame 62	643338	31.26700385	0.891726111	0.603836632	1.476767164	0.139738061	0.999371363	Not Sig
ENSG00000247311	NA	NA	NA	2.82260226	0.892068201	1.491622161	0.598052391	0.549804976	NA	NA
ENSG00000164535	DAGLB	diacylglycerol lipase beta	221955	903.932487	0.892813112	0.524206834	1.703169539	0.088536345	0.999371363	Not Sig
ENSG00000243955	GSTA1	glutathione S-transferase alpha 1	2938	225.4133212	0.893303577	0.718072952	1.244029	0.21348889	0.999371363	Not Sig
ENSG00000177700	POLR2L	RNA polymerase II subunit L	5441	1259.841848	0.89400084	0.618842992	1.444632728	0.148561075	0.999371363	Not Sig
ENSG00000256968	NA	NA	NA	1.027319558	0.894204049	2.597523835	0.34425249	0.73065641	NA	NA
ENSG00000228013	LOC101928101	uncharacterized LOC101928101	101928101	8.608553098	0.895713778	0.917362512	0.976401113	0.32886573	0.999371363	Not Sig
ENSG00000228013	IL6R-AS1	IL6R antisense RNA 1	111216281	8.608553098	0.895713778	0.917362512	0.976401113	0.32886573	0.999371363	Not Sig
ENSG00000211937	NA	NA	NA	463.4997545	0.895866168	1.047326298	0.855384009	0.392338593	0.999371363	Not Sig
ENSG00000188817	SNTN	sentan, cilia apical structure protein	132203	77.25742141	0.896176034	1.230395637	0.728364119	0.466390722	0.999371363	Not Sig
ENSG00000270593	NA	NA	NA	3.51589931	0.896288663	1.372769985	0.652905201	0.513817396	NA	NA
ENSG00000242013	NA	NA	NA	250.0842674	0.896679583	0.773524778	1.159212489	0.246369582	0.999371363	Not Sig
ENSG00000264667	NA	NA	NA	1.993977738	0.89689145	1.901499043	0.471675993	0.637158075	NA	NA
ENSG00000050393	MCUR1	mitochondrial calcium uniporter regulator 1	63933	755.9915796	0.897137379	0.43180698	2.077635193	0.037742972	0.999371363	Not Sig
ENSG00000180438	TPRXL	tetrapeptide repeat homeobox like	348825	3.185502578	0.897175341	1.53413842	0.584807296	0.558677298	NA	NA
ENSG00000266044	NA	NA	NA	1.846489831	0.897895086	1.841379849	0.487620784	0.625818471	NA	NA
ENSG00000115525	ST3GAL5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	8869	1535.614579	0.898713027	0.660313751	1.361039394	0.173501241	0.999371363	Not Sig
ENSG00000269910	NA	NA	NA	3.688429197	0.8987841	1.320099767	0.680845586	0.495969202	NA	NA
ENSG00000188215	DCUN1D3	defective in cullin neddylation 1 domain containing 3	123879	822.8630379	0.899813848	0.428923599	2.097841782	0.035919124	0.979068249	Not Sig
ENSG00000183439	TRIM61	tripartite motif containing 61	391712	7.76822691	0.902110384	1.173331099	0.768845541	0.44198501	0.999371363	Not Sig
ENSG00000189108	IL1RAPL2	interleukin 1 receptor accessory protein like 2	26280	4.921663156	0.902355494	1.899531623	0.475041049	0.634757716	NA	NA
ENSG00000235189	NA	NA	NA	2.54898084	0.902611555	1.563715989	0.577222182	0.563789374	NA	NA
ENSG00000162009	SSTR5	somatostatin receptor 5	6755	2.880203163	0.90292203	2.339606922	0.385928944	0.699549294	NA	NA
ENSG00000225008	NA	NA	NA	18.27001402	0.90294329	0.943893521	0.956615624	0.3387613	0.999371363	Not Sig
ENSG00000213362	NA	NA	NA	3.191940114	0.90300212	1.568966876	0.575539314	0.56492661	NA	NA
ENSG00000134460	IL2RA	interleukin 2 receptor subunit alpha	3559	136.6582219	0.903488955	0.578029636	1.563049536	0.118040944	0.999371363	Not Sig
ENSG00000164304	CAGE1	cancer antigen 1	285782	2.629215116	0.903563326	1.703005925	0.53056969	0.595717004	NA	NA
ENSG00000183484	GPR132	G protein-coupled receptor 132	29933	238.517284	0.903675189	0.652714272	1.384488171	0.166209028	0.999371363	Not Sig
ENSG00000135931	ARMC9	armadillo repeat containing 9	80210	677.8805935	0.903863331	0.514585008	1.756489828	0.079004807	0.999371363	Not Sig
ENSG00000102409	BEX4	brain expressed X-linked 4	56271	356.0901084	0.903990136	0.821018882	1.101058886	0.270871029	0.999371363	Not Sig
ENSG00000196963	NA	NA	NA	187.2206611	0.903990348	0.64412171	1.403446481	0.160483741	0.999371363	Not Sig

ENSG00000169718	DUS1L	dihydrouridine synthase 1 like	64118	1755.087135	0.904523181	0.589220605	1.535118041	0.124754836	0.999371363	Not Sig
ENSG00000184911	DMRTC1B	DMRT like family C1B	728656	0.879831651	0.904844723	3.12675429	0.289387857	0.772284587	NA	NA
ENSG00000233837	NA	NA	NA	0.879831651	0.904844723	3.12675429	0.289387857	0.772284587	NA	NA
ENSG00000259384	GH1	growth hormone 1	2688	0.879831651	0.904844723	3.12675429	0.289387857	0.772284587	NA	NA
ENSG00000251606	NA	NA	NA	2.97622365	0.905329359	1.451252973	0.623826015	0.532741853	NA	NA
ENSG00000251520	NA	NA	NA	1.769272269	0.905540832	2.565950079	0.352906644	0.724158429	NA	NA
ENSG00000143811	PYCR2	pyrroline-5-carboxylate reductase 2	29920	765.0806496	0.905917607	0.586621238	1.544297321	0.122516321	0.999371363	Not Sig
ENSG00000170819	BFSP2	beaded filament structural protein 2	8419	3.243147244	0.906096212	1.54515419	0.586411517	0.557599007	NA	NA
ENSG00000197932	NA	NA	NA	169.2079158	0.906460722	0.534421889	1.696151939	0.08985711	0.999371363	Not Sig
ENSG00000005889	ZFX	zinc finger protein, X-linked	7543	1844.023139	0.907923072	0.426235246	2.130098533	0.033163479	0.944859041	Not Sig
ENSG00000056558	TRAF1	TNF receptor associated factor 1	7185	800.0025152	0.908344943	0.471099455	1.928138386	0.053837915	0.999371363	Not Sig
ENSG00000211870	NA	NA	NA	10.89233718	0.908455988	1.099688644	0.826102909	0.408745718	0.999371363	Not Sig
ENSG00000265809	NA	NA	NA	3.441687563	0.908933728	1.383780556	0.656848172	0.511278547	NA	NA
ENSG00000007952	NOX1	NADPH oxidase 1	27035	6.302472547	0.909196767	1.215849309	0.747787378	0.454588417	NA	NA
ENSG00000226386	PARD3-AS1	PARD3 antisense RNA 1	100505601	3.758948934	0.909351229	1.385163662	0.656493708	0.511506514	NA	NA
ENSG00000217539	NA	NA	NA	1.566430876	0.909766224	2.31092311	0.393680872	0.693816666	NA	NA
ENSG00000116273	PHF13	PHD finger protein 13	148479	505.1835267	0.910035691	0.561967796	1.619373384	0.10536695	0.999371363	Not Sig
ENSG00000272702	NA	NA	NA	6.644050377	0.910166716	1.312715212	0.693346666	0.488092024	0.999371363	Not Sig
ENSG00000224530	NA	NA	NA	5.470782167	0.910377258	1.30734575	0.696355388	0.486206294	NA	NA
ENSG00000184232	OAF	out at first homolog	220323	358.7953099	0.910746007	0.656698435	1.386855759	0.16548575	0.999371363	Not Sig
ENSG00000060656	PTPRU	protein tyrosine phosphatase, receptor type U	10076	2412.665288	0.910786365	0.694869538	1.310730022	0.189948992	0.999371363	Not Sig
ENSG00000188477	NA	NA	NA	3.961640992	0.910973403	1.722949114	0.52872914	0.59699336	NA	NA
ENSG00000101255	TRIB3	tribbles pseudokinase 3	57761	409.8178081	0.911311792	0.419596699	2.171875505	0.029865055	0.897727832	Not Sig
ENSG00000207963	MIR569	microRNA 569	693154	4.963305082	0.911336522	1.182795264	0.770493888	0.441006979	NA	NA
ENSG00000198753	PLXNB3	plexin B3	5365	323.9203405	0.911351602	0.880311422	1.035260453	0.300547293	0.999371363	Not Sig
ENSG00000206652	RNU1-1	RNA, U1 small nuclear 1	26871	78.52271127	0.911408872	0.782583983	1.164614779	0.244174959	0.999371363	Not Sig
ENSG00000177628	GBA	glucosylceramidase beta	2629	1186.063223	0.912730379	0.520800999	1.752551131	0.079679086	0.999371363	Not Sig
ENSG00000207587	MIR544A	microRNA 544a	664613	1.174348695	0.912965851	2.925842628	0.312035187	0.755013782	NA	NA
ENSG00000213406	NA	NA	NA	2.790403684	0.913740138	1.582402069	0.577438665	0.563643161	NA	NA
ENSG00000256616	NA	NA	NA	5.361409792	0.91406163	1.081443679	0.845223517	0.397986055	NA	NA
ENSG00000267390	NA	NA	NA	19.63933453	0.914105451	0.871783359	1.04854657	0.294386858	0.999371363	Not Sig
ENSG00000178878	APOLD1	apolipoprotein L domain containing 1	81575	279.1915409	0.914755047	0.495709567	1.84534475	0.064987405	0.999371363	Not Sig
ENSG00000155542	SETD9	SET domain containing 9	133383	51.94179638	0.914912943	0.572609421	1.597795827	0.110088424	0.999371363	Not Sig
ENSG00000125726	CD70	CD70 molecule	970	10.19955629	0.915597446	0.849454542	1.077865149	0.28109394	0.999371363	Not Sig
ENSG00000105953	OGDH	oxoglutarate dehydrogenase	4967	4212.410557	0.915796547	0.627708001	1.458953123	0.14457801	0.999371363	Not Sig

ENSG00000221604	MIR1293	microRNA 1293	100302220	2.908709728	0.915799765	1.396064831	0.655986559	0.511832772	NA	NA
ENSG00000242068	NA	NA	NA	3.326248897	0.916097914	1.902118209	0.481619864	0.630076012	NA	NA
ENSG00000260894	NA	NA	NA	2.083362209	0.916222739	1.660436728	0.551796237	0.581087966	NA	NA
ENSG00000225370	NA	NA	NA	1.572868412	0.916966008	2.070652318	0.442839196	0.65788205	NA	NA
ENSG00000233859	NA	NA	NA	1.380610911	0.917247354	2.039273206	0.449791304	0.652860929	NA	NA
ENSG00000265807	NA	NA	NA	197.0013613	0.917252413	0.717800109	1.277866082	0.201296649	0.999371363	Not Sig
ENSG00000257624	NA	NA	NA	6.903220168	0.917688416	1.291944672	0.71031557	0.477508467	0.999371363	Not Sig
ENSG00000231073	NA	NA	NA	0.937476317	0.91806222	2.349763798	0.390704045	0.696016009	NA	NA
ENSG00000211644	NA	NA	NA	70.9437758	0.918248818	0.912962992	1.005789748	0.31451672	0.999371363	Not Sig
ENSG00000208024	MIR199A2	microRNA 199a-2	406977	0.886269187	0.918351578	3.08236181	0.297937632	0.765750766	NA	NA
ENSG00000226080	NA	NA	NA	0.886269187	0.918351578	3.08236181	0.297937632	0.765750766	NA	NA
ENSG00000238728	MIR1972-1	microRNA 1972-1	100302243	0.886269187	0.918351578	3.08236181	0.297937632	0.765750766	NA	NA
ENSG00000135069	PSAT1	phosphoserine aminotransferase 1	29968	134.5967265	0.91983484	0.990407874	0.928743464	0.35302205	0.999371363	Not Sig
ENSG00000140526	ABHD2	abhydrolase domain containing 2	11057	8769.154369	0.919868899	0.463001423	1.986751775	0.046949911	0.999371363	Not Sig
ENSG00000116833	NR5A2	nuclear receptor subfamily 5 group A member 2	2494	111.5846083	0.920734667	0.588764868	1.563841047	0.117854902	0.999371363	Not Sig
ENSG00000132561	MATN2	matrilin 2	4147	471.5162241	0.921285905	0.67816237	1.358503427	0.174303996	0.999371363	Not Sig
ENSG00000244242	IFITM10	interferon induced transmembrane protein 10	402778	179.9980125	0.921842924	0.52532634	1.754800501	0.079293438	0.999371363	Not Sig
ENSG00000100197	CYP2D6	cytochrome P450 family 2 subfamily D member 6	1565	28.3214217	0.923567695	0.771174235	1.197612229	0.231068013	0.999371363	Not Sig
ENSG00000100197	LOC107987478	cytochrome P450 2D6-like	107987478	28.3214217	0.923567695	0.771174235	1.197612229	0.231068013	0.999371363	Not Sig
ENSG00000100197	LOC107987479	cytochrome P450 2D6-like	107987479	28.3214217	0.923567695	0.771174235	1.197612229	0.231068013	0.999371363	Not Sig
ENSG00000243449	C4orf48	chromosome 4 open reading frame 48	401115	155.9532122	0.923649645	0.653429277	1.413541875	0.157496458	0.999371363	Not Sig
ENSG00000185339	TCN2	transcobalamin 2	6948	937.2518348	0.923904585	0.853998144	1.081857838	0.279315702	0.999371363	Not Sig
ENSG00000207965	MIR629	microRNA 629	693214	3.367432053	0.925142579	1.377439422	0.671639395	0.501813292	NA	NA
ENSG00000123080	CDKN2C	cyclin dependent kinase inhibitor 2C	1031	257.7497401	0.925400604	0.497492067	1.860131379	0.062866941	0.999371363	Not Sig
ENSG00000168077	SCARA3	scavenger receptor class A member 3	51435	656.1110258	0.925466833	0.859995657	1.076129659	0.281869273	0.999371363	Not Sig
ENSG00000223865	HLA-DPB1	major histocompatibility complex, class II, DP beta 1	3115	8208.352662	0.925512462	0.960831365	0.963241309	0.335426439	0.999371363	Not Sig
ENSG00000237233	NA	NA	NA	1.387048446	0.925625257	2.038623874	0.454044156	0.649797045	NA	NA
ENSG00000185436	IFNLR1	interferon lambda receptor 1	163702	333.5733166	0.925992558	0.641763059	1.442888531	0.149051875	0.999371363	Not Sig
ENSG00000267801	NA	NA	NA	34.60722336	0.926255575	0.725104961	1.277408961	0.201457903	0.999371363	Not Sig
ENSG00000145945	FAM50B	family with sequence similarity 50 member B	26240	215.1575565	0.92633481	0.749522952	1.23589919	0.216496038	0.999371363	Not Sig
ENSG00000260000	NA	NA	NA	25.00249058	0.926734458	0.672528632	1.377985135	0.168207878	0.999371363	Not Sig
ENSG00000109861	CTSC	cathepsin C	1075	3738.787994	0.927614564	0.650768428	1.425414207	0.154037504	0.999371363	Not Sig
ENSG00000172955	ADH6	alcohol dehydrogenase 6 (class V)	130	17.38503532	0.927638609	1.767261116	0.524901839	0.599651431	0.999371363	Not Sig
ENSG00000266232	MIR3178	microRNA 3178	100422974	4.497979606	0.927828627	1.520503253	0.610211537	0.541721688	NA	NA
ENSG00000237349	NA	NA	NA	2.259312919	0.92783257	1.789887228	0.518374876	0.60419674	NA	NA

ENSG00000133321	RARRES3	retinoic acid receptor responder 3	5920	926.0859468	0.928059397	0.975802263	0.951073217	0.34156721	0.999371363	Not Sig
ENSG00000235058	NA	NA	NA	5.538490144	0.928512637	1.289006442	0.720332038	0.471320584	NA	NA
ENSG00000228339	NA	NA	NA	1.88139017	0.929024384	1.784246949	0.520681504	0.602588661	NA	NA
ENSG00000196095	NA	NA	NA	1.668690419	0.929126602	2.275184772	0.40837413	0.682999023	NA	NA
ENSG00000259802	NA	NA	NA	22.6208637	0.929209245	0.78080091	1.190071929	0.234018122	0.999371363	Not Sig
ENSG00000239911	NA	NA	NA	53.12337016	0.929581819	1.049153804	0.88603007	0.375601324	0.999371363	Not Sig
ENSG00000163344	PMVK	phosphomevalonate kinase	10654	786.9830503	0.929590961	0.70414492	1.320169945	0.186778284	0.999371363	Not Sig
ENSG00000170236	USP50	ubiquitin specific peptidase 50	373509	7.809393774	0.9297182	1.005417875	0.924708246	0.355117689	0.999371363	Not Sig
ENSG00000185008	ROBO2	roundabout guidance receptor 2	6092	1089.046867	0.930207246	0.902505766	1.030693964	0.302684356	0.999371363	Not Sig
ENSG00000266549	NA	NA	NA	0.892706723	0.932691043	3.117224015	0.299205652	0.764783137	NA	NA
ENSG00000212789	NA	NA	NA	2.59701654	0.933138211	1.495852267	0.623817092	0.532747713	NA	NA
ENSG00000211575	MIR760	microRNA 760	100126348	1.335841316	0.934081501	2.742376506	0.340610233	0.733397025	NA	NA
ENSG00000141524	TMC6	transmembrane channel like 6	11322	3889.667739	0.934493192	0.695572198	1.343488418	0.179113874	0.999371363	Not Sig
ENSG00000266907	NA	NA	NA	1.778975909	0.93493114	2.541149031	0.36791669	0.712935355	NA	NA
ENSG00000204539	CDSN	corneodesmosin	1041	5.104189838	0.93504495	1.169469318	0.799546372	0.423973669	NA	NA
ENSG00000140391	TSPAN3	tetraspanin 3	10099	5373.509619	0.935366985	0.56565005	1.653614254	0.098205915	0.999371363	Not Sig
ENSG00000179958	DCTPP1	dCTP pyrophosphatase 1	79077	303.3798903	0.935835426	0.4203051	2.226562146	0.025976551	0.836630971	Not Sig
ENSG00000231181	NA	NA	NA	13.39709478	0.936105543	0.940549586	0.995275058	0.319602505	0.999371363	Not Sig
ENSG00000129235	TXNDC17	thioredoxin domain containing 17	84817	570.349489	0.936189812	0.610955759	1.532336505	0.125439417	0.999371363	Not Sig
ENSG00000181019	NQO1	NAD(P)H quinone dehydrogenase 1	1728	1602.614328	0.936269859	0.926616018	1.010418384	0.312294884	0.999371363	Not Sig
ENSG00000252118	NA	NA	NA	20.38954765	0.936561783	0.782924553	1.19623504	0.231604851	0.999371363	Not Sig
ENSG00000169594	BNC1	basonuclin 1	646	4.613690418	0.936770373	1.751638653	0.534796587	0.592790524	NA	NA
ENSG00000234478	NA	NA	NA	7.307280889	0.93713885	1.171367264	0.80003845	0.42368852	0.999371363	Not Sig
ENSG00000150773	PIH1D2	PIH1 domain containing 2	120379	46.85266097	0.937372678	0.603504678	1.553215264	0.120371716	0.999371363	Not Sig
ENSG00000112486	CCR6	C-C motif chemokine receptor 6	1235	7.737036113	0.937404101	1.1929381	0.785794419	0.431987937	0.999371363	Not Sig
ENSG00000161653	NAGS	N-acetylglutamate synthase	162417	125.1839763	0.937994591	0.61419466	1.527194312	0.1267127	0.999371363	Not Sig
ENSG00000255007	NA	NA	NA	34.61245235	0.938457856	1.243169444	0.754891347	0.450314178	0.999371363	Not Sig
ENSG00000204386	NEU1	neuraminidase 1	4758	1817.753566	0.938649858	0.66684261	1.407603301	0.15924857	0.999371363	Not Sig
ENSG00000235636	NA	NA	NA	4.574228716	0.938689582	1.20974565	0.775939622	0.437784637	NA	NA
ENSG00000264462	MIR3648-2	microRNA 3648-2	103504731	37828.52546	0.939319652	0.713536692	1.316427961	0.188030443	0.999371363	Not Sig
ENSG00000042832	TG	thyroglobulin	7038	51.47721369	0.939653676	0.715508036	1.313267815	0.18909272	0.999371363	Not Sig
ENSG00000196576	PLXNB2	plexin B2	23654	13648.54866	0.94008199	0.683275893	1.375845392	0.168869505	0.999371363	Not Sig
ENSG00000101251	SEL1L2	SEL1L2 ERAD E3 ligase adaptor subunit	80343	1.50535449	0.941069786	2.025308733	0.464654979	0.642178554	NA	NA
ENSG00000142765	SYTL1	synaptotagmin like 1	84958	1265.373334	0.941266672	0.570022012	1.651281272	0.098681155	0.999371363	Not Sig
ENSG00000247679	NA	NA	NA	39.18082247	0.941275232	0.720075973	1.307188779	0.191148606	0.999371363	Not Sig

ENSG00000243723	NA	NA	NA	2.057601169	0.941776059	1.850903753	0.508819574	0.610878698	NA	NA
ENSG00000169131	ZNF354A	zinc finger protein 354A	6940	346.9980032	0.941994323	0.488604475	1.927928151	0.053864064	0.999371363	Not Sig
ENSG00000211843	NA	NA	NA	4.324375695	0.942325749	1.479790133	0.636796886	0.524257155	NA	NA
ENSG00000256338	NA	NA	NA	6.651142492	0.942676492	1.081884752	0.871328014	0.383575079	0.999371363	Not Sig
ENSG00000092009	CMA1	chymase 1	1215	1.444693112	0.943069134	2.032051967	0.464096957	0.642578282	NA	NA
ENSG00000260928	NA	NA	NA	1.444693112	0.943069134	2.032051967	0.464096957	0.642578282	NA	NA
ENSG00000252438	NA	NA	NA	19.92294967	0.943519625	0.79531124	1.186352685	0.235483049	0.999371363	Not Sig
ENSG00000261575	NA	NA	NA	2.169469678	0.944007086	1.813655432	0.520499688	0.602715345	NA	NA
ENSG00000073111	MCM2	minichromosome maintenance complex component 2	4171	597.4781008	0.944162385	0.764352628	1.235244506	0.21673952	0.999371363	Not Sig
ENSG00000258744	NA	NA	NA	14.22020026	0.944594342	0.8669193	1.089598931	0.275889854	0.999371363	Not Sig
ENSG00000214433	NA	NA	NA	27.04007115	0.944784809	0.637625079	1.481724669	0.13841357	0.999371363	Not Sig
ENSG00000211835	NA	NA	NA	0.988683447	0.945027983	3.010701566	0.313889624	0.753604871	NA	NA
ENSG00000224837	NA	NA	NA	0.988683447	0.945027983	3.010701566	0.313889624	0.753604871	NA	NA
ENSG00000259570	NA	NA	NA	0.988683447	0.945027983	3.010701566	0.313889624	0.753604871	NA	NA
ENSG00000258471	LOC101929718	uncharacterized LOC101929718	101929718	1.055782361	0.945081746	2.624702035	0.360072013	0.718793281	NA	NA
ENSG00000212568	NA	NA	NA	1.180786231	0.945576439	2.50166855	0.377978305	0.70544671	NA	NA
ENSG00000153904	DDAH1	dimethylarginine dimethylaminohydrolase 1	23576	3105.167187	0.945891923	0.498265791	1.898368181	0.057647598	0.999371363	Not Sig
ENSG00000230596	NA	NA	NA	1.569696981	0.945916814	2.263785985	0.417847279	0.676058781	NA	NA
ENSG00000185523	SPATA45	spermatogenesis associated 45	149643	2.516323495	0.945929135	1.846156786	0.512377465	0.608386859	NA	NA
ENSG00000233250	NA	NA	NA	1.852208307	0.946925831	1.90493749	0.497090238	0.619125418	NA	NA
ENSG00000100625	SIX4	SIX homeobox 4	51804	420.9406916	0.948079055	0.790810757	1.1988697	0.230578615	0.999371363	Not Sig
ENSG00000113905	HRG	histidine rich glycoprotein	3273	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000139269	INHBE	inhibin beta E subunit	83729	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000164434	FABP7	fatty acid binding protein 7	2173	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000201296	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000201382	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000207356	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000207416	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000217769	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000221227	MIR1305	microRNA 1305	100302270	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000222747	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000228237	EFCAB14-AS1	EFCAB14 antisense RNA 1	100130197	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000232258	TMEM114	transmembrane protein 114	283953	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000233996	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000234107	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA

ENSG00000237180	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000238322	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000241710	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000242067	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000251824	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000253040	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000258864	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000263393	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000263436	MIR3158-1	microRNA 3158-1	100422900	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000263436	MIR3158-2	microRNA 3158-2	100423033	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000263960	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000264155	NA	NA	NA	0.577747429	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000264542	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000265496	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000269125	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000269242	NA	NA	NA	0.535679598	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000147183	CPXCR1	CPX chromosome region, candidate 1	53336	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000174992	ZG16	zymogen granule protein 16	653808	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000198028	ZNF560	zinc finger protein 560	147741	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000218976	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000220139	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000229093	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000233125	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000239731	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000242902	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000254269	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000259165	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000260990	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000261759	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000268705	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000270981	NA	NA	NA	0.519372806	0.949615041	4.021855377	0.236113672	0.813344465	NA	NA
ENSG00000151500	THYN1	thymocyte nuclear protein 1	29087	375.3783311	0.950411873	0.474200894	2.004238889	0.045044477	0.999371363	Not Sig
ENSG00000165194	PCDH19	protocadherin 19	57526	20.51868147	0.950453445	0.739865237	1.284630495	0.198921437	0.999371363	Not Sig
ENSG00000268112	NA	NA	NA	1.858645842	0.950708182	1.840983602	0.516413173	0.605565868	NA	NA
ENSG00000256967	NA	NA	NA	6.632395186	0.950789039	1.297865904	0.732578794	0.463815369	0.999371363	Not Sig

ENSG00000211924	NA	NA	NA	2.05734088	0.950856521	1.709162235	0.556329003	0.577985964	NA	NA
ENSG00000251911	NA	NA	NA	3.425231437	0.950867144	2.002574363	0.47482239	0.634913573	NA	NA
ENSG00000224237	NA	NA	NA	2.3950445	0.951490852	1.749871223	0.543749071	0.586614159	NA	NA
ENSG00000196082	NA	NA	NA	0.950351388	0.951752327	2.671449386	0.356268149	0.72163976	NA	NA
ENSG00000102043	MTMR8	myotubularin related protein 8	55613	50.08211436	0.95201625	0.707626966	1.345364572	0.17850753	0.999371363	Not Sig
ENSG00000238141	BRWD1-AS1	BRWD1 antisense RNA 1	100874093	3.7008346	0.952026997	1.345151221	0.70774719	0.479102266	NA	NA
ENSG00000185046	ANKS1B	ankyrin repeat and sterile alpha motif domain containing 1B	56899	122.9816687	0.953051381	0.688898568	1.383442244	0.166529305	0.999371363	Not Sig
ENSG00000273204	NA	NA	NA	13.28627781	0.953762518	0.923213632	1.033089726	0.301561911	0.999371363	Not Sig
ENSG00000232969	NA	NA	NA	2.889231506	0.95590873	1.725989695	0.553832235	0.579693665	NA	NA
ENSG00000173467	AGR3	anterior gradient 3, protein disulphide isomerase family member	155465	1066.341446	0.955951777	0.626819229	1.52508368	0.127238227	0.999371363	Not Sig
ENSG00000254854	LOC102724301	uncharacterized LOC102724301	102724301	5.700072044	0.95609301	1.133739975	0.843308899	0.399055707	NA	NA
ENSG00000100228	RAB36	RAB36, member RAS oncogene family	9609	324.4151783	0.956700062	0.827300862	1.156411295	0.247512964	0.999371363	Not Sig
ENSG00000221890	NPTXR	neuronal pentraxin receptor	23467	334.2121844	0.956742975	0.903997423	1.058347016	0.289897266	0.999371363	Not Sig
ENSG00000235159	NA	NA	NA	9.597299604	0.957134899	0.920853962	1.03939923	0.298619102	0.999371363	Not Sig
ENSG00000260872	NA	NA	NA	12.48129417	0.957265297	1.781354421	0.537380594	0.591004745	0.999371363	Not Sig
ENSG00000256379	NA	NA	NA	2.477731146	0.957750397	1.544481788	0.620111162	0.535184604	NA	NA
ENSG00000186792	HYAL3	hyaluronoglucosaminidase 3	8372	64.11705073	0.958338112	0.584067853	1.64079928	0.100839088	0.999371363	Not Sig
ENSG00000171502	COL24A1	collagen type XXIV alpha 1 chain	255631	254.058323	0.95876439	0.763844896	1.255182034	0.209412686	0.999371363	Not Sig
ENSG00000186510	CLCNKA	chloride voltage-gated channel Ka	1187	27.13816419	0.960855633	0.943280257	1.01863219	0.308377616	0.999371363	Not Sig
ENSG00000214851	LINC00612	long intergenic non-protein coding RNA 612	253128	9.609715905	0.961461835	1.048293679	0.917168399	0.359054403	0.999371363	Not Sig
ENSG00000155875	SAXO1	stabilizer of axonemal microtubules 1	158297	4.262840539	0.961680361	1.408449766	0.682793511	0.494737331	NA	NA
ENSG00000178568	ERBB4	erb-b2 receptor tyrosine kinase 4	2066	169.9522429	0.962640837	0.904230056	1.064597257	0.287058222	0.999371363	Not Sig
ENSG00000196502	SULT1A1	sulfotransferase family 1A member 1	6817	731.8016594	0.963475607	0.736711694	1.307805502	0.190939287	0.999371363	Not Sig
ENSG00000204219	TCEA3	transcription elongation factor A3	6920	1145.412454	0.964361735	0.649480096	1.484821076	0.137591227	0.999371363	Not Sig
ENSG00000171365	CLCN5	chloride voltage-gated channel 5	1184	525.9688926	0.964784038	0.426243198	2.263459084	0.023607404	0.78440116	Not Sig
ENSG00000119866	BCL11A	B-cell CLL/lymphoma 11A	53335	371.6256641	0.965011304	0.662891338	1.45576092	0.145458722	0.999371363	Not Sig
ENSG00000188596	CFAP54	cilia and flagella associated protein 54	144535	318.7870944	0.966812752	0.720229885	1.342366892	0.179477064	0.999371363	Not Sig
ENSG00000122824	NUDT10	nudix hydrolase 10	170685	1.922728044	0.96739829	1.784217532	0.542197502	0.587682456	NA	NA
ENSG00000265062	NA	NA	NA	1.983389422	0.967459709	1.838923125	0.526101225	0.598817877	NA	NA
ENSG00000266107	MIR4525	microRNA 4525	100616196	2.252709768	0.967479219	2.110010308	0.458518717	0.646579819	NA	NA
ENSG00000207501	RNVU1-14	RNA, variant U1 small nuclear 14	101954266	124.4040617	0.968110558	0.602327185	1.60728352	0.107992188	0.999371363	Not Sig
ENSG00000118514	ALDH8A1	aldehyde dehydrogenase 8 family member A1	64577	12.44707037	0.96949133	0.802629051	1.207894642	0.227087791	0.999371363	Not Sig
ENSG00000232298	NA	NA	NA	12.55711941	0.970103213	1.198997082	0.809095558	0.418460183	0.999371363	Not Sig
ENSG00000201772	SNORA5C	small nucleolar RNA, H/ACA box 5C	677796	51.85172679	0.97015442	0.826688	1.17354361	0.240577879	0.999371363	Not Sig
ENSG00000215447	NA	NA	NA	201.6532789	0.970248625	0.599931892	1.617264625	0.105821172	0.999371363	Not Sig

ENSG00000232518	NA	NA	NA	1.001558518	0.970491763	3.003077154	0.323165777	0.746569697	NA	NA
ENSG00000159231	CBR3	carbonyl reductase 3	874	125.3560592	0.970985816	0.765397826	1.268602787	0.20458277	0.999371363	Not Sig
ENSG00000167157	PRRX2	paired related homeobox 2	51450	32.82092331	0.971134793	0.809021524	1.200381898	0.229991056	0.999371363	Not Sig
ENSG00000019582	CD74	CD74 molecule	972	68295.53042	0.971645597	0.966068635	1.005772842	0.314524854	0.999371363	Not Sig
ENSG00000184840	TMED9	transmembrane p24 trafficking protein 9	54732	3094.865769	0.97193194	0.565095402	1.719943106	0.085442784	0.999371363	Not Sig
ENSG00000229836	NA	NA	NA	3.342224458	0.972351072	1.895607242	0.512949651	0.607986541	NA	NA
ENSG00000261664	TTC39A-AS1	TTC39A antisense RNA 1	102724097	36.0102406	0.972823784	0.798491562	1.218326944	0.223099755	0.999371363	Not Sig
ENSG00000264672	SEPT4-AS1	SEPT4 antisense RNA 1	101927688	35.38665506	0.972947547	0.644015881	1.510750862	0.130851938	0.999371363	Not Sig
ENSG00000163263	Clorf189	chromosome 1 open reading frame 189	388701	9.539427513	0.973858985	1.067590926	0.912202382	0.36166219	0.999371363	Not Sig
ENSG00000111199	TRPV4	transient receptor potential cation channel subfamily V member 4	59341	244.2037477	0.974762004	0.565985673	1.722237946	0.085026423	0.999371363	Not Sig
ENSG00000152078	TMEM56	transmembrane protein 56	148534	398.7426399	0.975104352	0.727183813	1.340932423	0.179942394	0.999371363	Not Sig
ENSG00000033011	ALG1	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase	56052	618.9279571	0.975483434	0.531674702	1.834737349	0.066544616	0.999371363	Not Sig
ENSG00000197728	RPS26	ribosomal protein S26	6231	1481.488708	0.975876101	0.626652285	1.557284836	0.119402874	0.999371363	Not Sig
ENSG00000197728	LOC101929876	40S ribosomal protein S26	101929876	1481.488708	0.975876101	0.626652285	1.557284836	0.119402874	0.999371363	Not Sig
ENSG00000174348	PODN	podocan	127435	1567.494636	0.97639959	0.720096512	1.355928786	0.175121828	0.999371363	Not Sig
ENSG00000011007	ELOA	elongin A	6924	2841.179426	0.976405416	0.546056403	1.788103594	0.073759296	0.999371363	Not Sig
ENSG00000217075	NA	NA	NA	3.693572433	0.976480088	1.707139644	0.571997781	0.567323478	NA	NA
ENSG00000254897	NA	NA	NA	12.44134747	0.976515438	0.930175271	1.049818747	0.293801454	0.999371363	Not Sig
ENSG00000207970	MIR660	microRNA 660	724030	1.834771873	0.976777225	2.603163457	0.375227004	0.707491649	NA	NA
ENSG00000027847	B4GALT7	beta-1,4-galactosyltransferase 7	11285	536.1906412	0.977831309	0.540947895	1.807625685	0.070664778	0.999371363	Not Sig
ENSG00000211787	NA	NA	NA	9.760413491	0.978307549	1.138710703	0.859136168	0.390265395	0.999371363	Not Sig
ENSG00000210140	NA	NA	NA	0.921169525	0.978661164	2.650252463	0.36927092	0.711925799	NA	NA
ENSG00000250037	NA	NA	NA	0.921169525	0.978661164	2.650252463	0.36927092	0.711925799	NA	NA
ENSG00000237637	NA	NA	NA	3.196319569	0.979350324	1.587157943	0.617046544	0.537204026	NA	NA
ENSG00000197445	NA	NA	NA	3.758629559	0.979774548	1.460859366	0.670683688	0.502422056	NA	NA
ENSG00000229901	LOC101929901	uncharacterized LOC101929901	101929901	11.20363563	0.979952403	1.176325473	0.833062299	0.404809595	0.999371363	Not Sig
ENSG00000211885	NA	NA	NA	8.374339969	0.980870481	1.041937744	0.941390679	0.346504688	0.999371363	Not Sig
ENSG00000214222	NA	NA	NA	2.054169449	0.981967821	1.660651405	0.591314841	0.554309488	NA	NA
ENSG00000248568	NA	NA	NA	3.267459266	0.981990689	1.722540642	0.57008274	0.568621581	NA	NA
ENSG00000271607	NA	NA	NA	2.564098904	0.982004748	1.593949166	0.616082852	0.537839839	NA	NA
ENSG00000256720	NA	NA	NA	13.82747013	0.982262238	0.995957111	0.986249535	0.324010677	0.999371363	Not Sig
ENSG00000166557	TMED3	transmembrane p24 trafficking protein 3	23423	2225.082559	0.982281455	0.670770657	1.464407313	0.143082691	0.999371363	Not Sig
ENSG00000197785	ATAD3A	ATPase family, AAA domain containing 3A	55210	544.7675677	0.984022355	0.577129377	1.705029054	0.088189006	0.999371363	Not Sig
ENSG00000113734	BNIP1	BCL2 interacting protein 1	662	184.170141	0.984703469	0.493015034	1.997309212	0.045791603	0.999371363	Not Sig
ENSG00000202469	NA	NA	NA	4.066021674	0.984765034	1.210064697	0.813811887	0.415752724	NA	NA

ENSG00000169439	SDC2	syndecan 2	6383	1480.611078	0.985538411	0.715402828	1.377599266	0.168327048	0.999371363	Not Sig
ENSG00000259674	NA	NA	NA	19.30308305	0.986061076	1.105205605	0.892196956	0.372287374	0.999371363	Not Sig
ENSG00000238594	NA	NA	NA	3.069312279	0.986071843	2.325476088	0.424030093	0.671543867	NA	NA
ENSG00000247746	USP51	ubiquitin specific peptidase 51	158880	117.0967229	0.986832001	0.617764481	1.597424311	0.110171157	0.999371363	Not Sig
ENSG00000082126	MPP4	membrane palmitoylated protein 4	58538	2.791560797	0.987525554	1.586448601	0.622475597	0.533629185	NA	NA
ENSG00000235480	LOC105373496	uncharacterized LOC105373496	105373496	3.25830907	0.987606994	1.958016925	0.504391449	0.613986326	NA	NA
ENSG00000109929	SC5D	sterol-C5-desaturase	6309	835.4231907	0.989219561	0.601546852	1.644459707	0.100081281	0.999371363	Not Sig
ENSG00000226245	ZNF32-AS1	ZNF32 antisense RNA 1	414197	1.097380525	0.989472983	2.582623324	0.383127099	0.701625527	NA	NA
ENSG00000165912	PACSLIN3	protein kinase C and casein kinase substrate in neurons 3	29763	639.7320603	0.989653549	0.662046394	1.494840176	0.134956158	0.999371363	Not Sig
ENSG00000268620	NA	NA	NA	0.972376656	0.990484834	2.623140926	0.377594976	0.705731498	NA	NA
ENSG00000268635	NA	NA	NA	0.972376656	0.990484834	2.623140926	0.377594976	0.705731498	NA	NA
ENSG00000185689	C6orf201	chromosome 6 open reading frame 201	404220	0.927607061	0.991326644	2.647295003	0.374467765	0.708056334	NA	NA
ENSG00000253327	RAD21-AS1	RAD21 antisense RNA 1	644660	3.735015879	0.991654898	1.300278028	0.762648354	0.445673139	NA	NA
ENSG00000213085	CFAP45	cilia and flagella associated protein 45	25790	195.3345885	0.992206986	0.880572692	1.126774649	0.259837771	0.999371363	Not Sig
ENSG00000175985	PLEKHD1	pleckstrin homology and coiled-coil domain containing D1	400224	23.60321665	0.992326057	0.993198561	0.999121521	0.317735827	0.999371363	Not Sig
ENSG00000229689	NA	NA	NA	281.192663	0.993243111	0.705728	1.40740216	0.159308171	0.999371363	Not Sig
ENSG00000225778	PROSER2-AS1	PROSER2 antisense RNA 1	219731	2.024987586	0.994554336	1.66004328	0.599113498	0.549097201	NA	NA
ENSG00000138400	MDH1B	malate dehydrogenase 1B	130752	54.27162569	0.995101081	0.954124238	1.042947072	0.296972807	0.999371363	Not Sig
ENSG00000263120	NA	NA	NA	19.24263712	0.996868604	0.693969599	1.436473019	0.150867789	0.999371363	Not Sig
ENSG00000238910	NA	NA	NA	7.527925816	0.997556706	1.123146667	0.888180267	0.374443792	0.999371363	Not Sig
ENSG00000171476	HOPX	HOP homeobox	84525	3280.888444	0.997679988	0.577333794	1.728081743	0.08397357	0.999371363	Not Sig
ENSG00000096070	BRPF3	bromodomain and PHD finger containing 3	27154	2128.992505	0.998484354	0.54089261	1.845993706	0.064893119	0.999371363	Not Sig
ENSG00000264663	NA	NA	NA	6.992855281	0.999325383	0.989647625	1.009778993	0.312601187	0.999371363	Not Sig
ENSG00000261335	LOC105274304	uncharacterized LOC105274304	105274304	9.615412585	0.999557011	1.037878381	0.963077206	0.33550878	0.999371363	Not Sig
ENSG00000223009	NA	NA	NA	2.426773408	1.000190759	2.007244934	0.498290339	0.618279416	NA	NA
ENSG00000261448	LOC102723692	uncharacterized LOC102723692	102723692	5.567795109	1.000504464	1.315604421	0.760490348	0.446961536	NA	NA
ENSG00000152208	GRID2	glutamate ionotropic receptor delta type subunit 2	2895	2.768816469	1.001224586	1.671624174	0.598953163	0.549204118	NA	NA
ENSG00000119703	ZC2HC1C	zinc finger C2HC-type containing 1C	79696	94.44750557	1.001683372	0.63017371	1.589535322	0.111939586	0.999371363	Not Sig
ENSG00000166664	CHRFAM7A	CHRNA7 (exons 5-10) and FAM7A (exons A-E) fusion	89832	10.02897306	1.004201939	1.211952573	0.828581878	0.407341046	0.999371363	Not Sig
ENSG00000199879	NA	NA	NA	12.23872828	1.005402869	1.046120985	0.961077049	0.336513428	0.999371363	Not Sig
ENSG00000166428	PLD4	phospholipase D family member 4	122618	124.401187	1.007029486	0.875083164	1.150781466	0.249822152	0.999371363	Not Sig
ENSG00000231064	NA	NA	NA	110.806585	1.007157313	0.612331459	1.644791067	0.100012905	0.999371363	Not Sig
ENSG00000231848	NA	NA	NA	1.530645863	1.008586729	2.268593173	0.444586866	0.656618341	NA	NA
ENSG00000087076	HSD17B14	hydroxysteroid 17-beta dehydrogenase 14	51171	205.772457	1.008861101	0.817106458	1.234675226	0.2169514	0.999371363	Not Sig
ENSG00000196533	NA	NA	NA	79.52313126	1.010367588	0.806211171	1.253229458	0.210122212	0.999371363	Not Sig

ENSG00000253833	NA	NA	NA	2.515897589	1.010981339	1.508440777	0.67021613	0.502720023	NA	NA
ENSG00000254719	NA	NA	NA	3.763218392	1.011038839	1.631517555	0.619692284	0.535460397	NA	NA
ENSG00000267795	SMIM22	small integral membrane protein 22	440335	400.4687314	1.011371863	0.603419572	1.676067382	0.093724995	0.999371363	Not Sig
ENSG00000210195	NA	NA	NA	133.5356522	1.011935365	0.989801615	1.022361804	0.306609692	0.999371363	Not Sig
ENSG00000239705	NA	NA	NA	2.685671053	1.014530288	1.5301882	0.663010137	0.507324062	NA	NA
ENSG00000242318	NA	NA	NA	4.796964588	1.01480077	1.32304407	0.767019628	0.443069846	NA	NA
ENSG00000225022	NA	NA	NA	1.234999176	1.015366921	2.847274978	0.356610067	0.72138374	NA	NA
ENSG00000126010	GRPR	gastrin releasing peptide receptor	2925	5.121074078	1.016126786	1.145992786	0.88667817	0.375252195	NA	NA
ENSG00000103200	NA	NA	NA	0.934044597	1.016951271	3.087979779	0.329325754	0.74190948	NA	NA
ENSG00000200243	NA	NA	NA	0.934044597	1.016951271	3.087979779	0.329325754	0.74190948	NA	NA
ENSG00000238513	NA	NA	NA	0.934044597	1.016951271	3.087979779	0.329325754	0.74190948	NA	NA
ENSG00000244538	NA	NA	NA	0.934044597	1.016951271	3.087979779	0.329325754	0.74190948	NA	NA
ENSG00000245479	LINC01585	long intergenic non-protein coding RNA 1585	101929765	0.934044597	1.016951271	3.087979779	0.329325754	0.74190948	NA	NA
ENSG00000211706	NA	NA	NA	4.117217906	1.019358486	1.345427268	0.757646668	0.448662535	NA	NA
ENSG00000176723	ZNF843	zinc finger protein 843	283933	19.63000151	1.020337992	1.052234006	0.969687338	0.332202364	0.999371363	Not Sig
ENSG00000261798	LOC101929536	uncharacterized LOC101929536	101929536	4.559739012	1.020715112	1.501977576	0.679580793	0.496769935	NA	NA
ENSG00000270412	NA	NA	NA	2.52877266	1.020865234	1.559501329	0.654610045	0.512718855	NA	NA
ENSG00000186047	DLEU7	deleted in lymphocytic leukemia, 7	220107	18.12141644	1.021879399	0.80278029	1.272925372	0.203044525	0.999371363	Not Sig
ENSG00000188064	WNT7B	Wnt family member 7B	7477	613.1830674	1.022143807	0.706929955	1.445891208	0.148207718	0.999371363	Not Sig
ENSG00000234156	NA	NA	NA	1.116693132	1.022281609	2.576179631	0.396820779	0.691499626	NA	NA
ENSG00000164543	STK17A	serine/threonine kinase 17a	9263	1064.357247	1.022403422	0.406174396	2.517153795	0.011830717	0.545729762	Not Sig
ENSG00000267729	NA	NA	NA	1.228561641	1.022741099	2.449872781	0.417467024	0.67633684	NA	NA
ENSG00000227210	NA	NA	NA	5.752835972	1.023314922	1.085689715	0.942548233	0.345912029	NA	NA
ENSG00000267195	MIR212	microRNA 212	406994	6.301849411	1.023817273	1.0560099	0.969514843	0.332288378	NA	NA
ENSG00000269407	NA	NA	NA	1.543520934	1.024084451	2.291208062	0.446962661	0.65490202	NA	NA
ENSG00000225542	ZNF385D-AS1	ZNF385D antisense RNA 1	100874216	1.030021321	1.024265749	3.02528391	0.338568471	0.734934837	NA	NA
ENSG00000262445	NA	NA	NA	1.030021321	1.024265749	3.02528391	0.338568471	0.734934837	NA	NA
ENSG00000264049	MIR4737	microRNA 4737	100616210	7.473635739	1.024349657	1.073243249	0.954443141	0.339859378	0.999371363	Not Sig
ENSG00000134443	GRP	gastrin releasing peptide	2922	4.865702827	1.024391916	1.497104874	0.684248601	0.493818197	NA	NA
ENSG00000196933	NA	NA	NA	4.155134958	1.02460621	1.255641872	0.816001945	0.414499023	NA	NA
ENSG00000228550	NA	NA	NA	8.163042298	1.024612659	0.919176684	1.114706973	0.264976012	0.999371363	Not Sig
ENSG00000206147	NA	NA	NA	2.303197838	1.02467836	1.793668486	0.571275221	0.567813096	NA	NA
ENSG00000243536	NA	NA	NA	19.43971575	1.024799986	0.86781386	1.180898385	0.237643093	0.999371363	Not Sig
ENSG00000241484	ARHGAP8	Rho GTPase activating protein 8	23779	245.8659106	1.024918634	0.731933182	1.400289889	0.161426527	0.999371363	Not Sig
ENSG00000105366	SIGLEC8	sialic acid binding Ig like lectin 8	27181	72.7518633	1.025419328	1.073871024	0.954881271	0.339637742	0.999371363	Not Sig

ENSG00000054598	FOXC1	forkhead box C1	2296	229.7364018	1.026573418	0.488061127	2.103370583	0.035433388	0.972140856	Not Sig
ENSG00000132436	FIGNL1	fidgetin like 1	63979	347.6438324	1.02705079	0.822613309	1.248521972	0.211839967	0.999371363	Not Sig
ENSG00000226979	LTA	lymphotoxin alpha	4049	17.26335419	1.027090938	0.947744672	1.083721142	0.278488459	0.999371363	Not Sig
ENSG00000189171	S100A13	S100 calcium binding protein A13	6284	472.712886	1.02797054	0.745846848	1.378259548	0.168123168	0.999371363	Not Sig
ENSG00000179163	FUCA1	alpha-L-fucosidase 1	2517	2421.903229	1.028136631	0.394536321	2.605936581	0.009162342	0.473243174	Not Sig
ENSG00000171302	CANT1	calcium activated nucleotidase 1	124583	2572.541344	1.028139723	0.589779542	1.743261084	0.08128802	0.999371363	Not Sig
ENSG00000167476	JSRP1	junctional sarcoplasmic reticulum protein 1	126306	68.47472423	1.028402506	0.688836529	1.492955822	0.135448751	0.999371363	Not Sig
ENSG00000167476	LOC105372240	uncharacterized LOC105372240	105372240	68.47472423	1.028402506	0.688836529	1.492955822	0.135448751	0.999371363	Not Sig
ENSG00000188051	TMEM221	transmembrane protein 221	100130519	9.408122833	1.028792828	1.127423163	0.912517023	0.361496613	0.999371363	Not Sig
ENSG00000235374	SSR4P1	signal sequence receptor subunit 4 pseudogene 1	728039	39.39215839	1.029090695	1.056360234	0.974185379	0.329964503	0.999371363	Not Sig
ENSG00000265100	NA	NA	NA	31.10759564	1.029122408	0.801825742	1.283473894	0.1993261	0.999371363	Not Sig
ENSG00000168502	MTCL1	microtubule crosslinking factor 1	23255	511.13786	1.029383192	0.853399106	1.206215456	0.227734426	0.999371363	Not Sig
ENSG00000229368	NA	NA	NA	57.9493009	1.029661783	0.65502126	1.5719517	0.115961753	0.999371363	Not Sig
ENSG00000120664	SPART-AS1	SPART antisense RNA 1	100507135	4.058854181	1.029884854	1.251992003	0.82259699	0.410737211	NA	NA
ENSG00000167779	IGFBP6	insulin like growth factor binding protein 6	3489	195.5205213	1.031102022	0.994926244	1.036360262	0.300034102	0.999371363	Not Sig
ENSG00000255153	TOLLIP-AS1	TOLLIP antisense RNA 1 (head to head)	255512	15.41970713	1.031513019	1.182876424	0.872037854	0.383187727	0.999371363	Not Sig
ENSG00000237276	NA	NA	NA	68.90107462	1.031713656	0.585874484	1.760980694	0.078241671	0.999371363	Not Sig
ENSG00000172057	ORMDL3	ORMDL sphingolipid biosynthesis regulator 3	94103	1914.945362	1.032443722	0.58897031	1.752963952	0.079608195	0.999371363	Not Sig
ENSG00000136689	IL1RN	interleukin 1 receptor antagonist	3557	324.9298114	1.032591905	0.794287765	1.300022423	0.193593284	0.999371363	Not Sig
ENSG00000258590	NA	NA	NA	2.11753259	1.033482459	1.604050444	0.644295485	0.519383843	NA	NA
ENSG00000252892	NA	NA	NA	3.160428983	1.033675389	1.438619668	0.718518877	0.472437413	NA	NA
ENSG00000221740	SNORD93	small nucleolar RNA, C/D box 93	692210	4.545474009	1.033991118	1.279973506	0.807822281	0.419192897	NA	NA
ENSG00000207638	MIR99A	microRNA 99a	407055	1.036458857	1.036502516	3.021686371	0.34302121	0.731582504	NA	NA
ENSG00000211725	NA	NA	NA	1.036458857	1.036502516	3.021686371	0.34302121	0.731582504	NA	NA
ENSG00000256574	OR13A1	olfactory receptor family 13 subfamily A member 1	79290	1.036458857	1.036502516	3.021686371	0.34302121	0.731582504	NA	NA
ENSG00000205177	C11orf91	chromosome 11 open reading frame 91	100131378	19.81881936	1.037782148	1.014406074	1.023044099	0.306286996	0.999371363	Not Sig
ENSG00000163106	HPGDS	hematopoietic prostaglandin D synthase	27306	115.376747	1.038046078	1.003693023	1.034226655	0.301030216	0.999371363	Not Sig
ENSG00000176236	NA	NA	NA	7.030856109	1.038656263	1.227024377	0.846483804	0.397282905	0.999371363	Not Sig
ENSG00000183826	BTBD9	BTB domain containing 9	114781	2273.433485	1.039197595	0.445323652	2.333578266	0.019617816	0.709667191	Not Sig
ENSG00000141519	CCDC40	coiled-coil domain containing 40	55036	371.5539562	1.039268628	0.672992759	1.544249347	0.122527938	0.999371363	Not Sig
ENSG00000238630	NA	NA	NA	1.645935194	1.039583908	1.929074832	0.538902842	0.589953896	NA	NA
ENSG00000239622	NA	NA	NA	2.012101617	1.03966793	1.850805024	0.561738225	0.574294386	NA	NA
ENSG00000267882	LOC100131496	uncharacterized LOC100131496	100131496	9.728881654	1.040277983	0.951511336	1.093290162	0.274266421	0.999371363	Not Sig
ENSG00000107130	NCS1	neuronal calcium sensor 1	23413	251.7433132	1.040498367	0.605477273	1.718476339	0.085709767	0.999371363	Not Sig
ENSG00000203280	LOC100128531	uncharacterized LOC100128531	100128531	6.443820047	1.04052199	1.312175922	0.792974457	0.427792705	NA	NA

ENSG00000174332	GLIS1	GLIS family zinc finger 1	148979	4.527280147	1.041445982	1.211100658	0.859916948	0.389834825	NA	NA
ENSG00000205923	CEMP1	cementum protein 1	752014	33.71798838	1.041822664	0.864002499	1.205809781	0.227890843	0.999371363	Not Sig
ENSG00000179222	MAGED1	MAGE family member D1	9500	4211.090574	1.044499375	0.632141566	1.652318771	0.098469585	0.999371363	Not Sig
ENSG00000130558	OLFM1	olfactomedin 1	10439	297.4018085	1.04516224	1.02173629	1.02292759	0.306342084	0.999371363	Not Sig
ENSG00000253223	NA	NA	NA	6.399398267	1.045556424	1.82949825	0.571499002	0.567661437	NA	NA
ENSG00000207870	MIR221	microRNA 221	407006	14.41901552	1.047957404	0.96931001	1.081137504	0.279635953	0.999371363	Not Sig
ENSG00000238297	NA	NA	NA	6.559767707	1.048381642	1.297419394	0.808051465	0.419060956	NA	NA
ENSG00000183508	FAM46C	family with sequence similarity 46 member C	54855	3001.353246	1.048949132	0.776877769	1.350211286	0.176948219	0.999371363	Not Sig
ENSG00000211970	NA	NA	NA	147.0679346	1.049354809	1.152495881	0.910506342	0.362555539	0.999371363	Not Sig
ENSG00000221322	NA	NA	NA	1.257024443	1.049397808	2.838478537	0.369704331	0.711602805	NA	NA
ENSG00000158485	CD1B	CD1b molecule	910	25.31698466	1.050509193	1.342919461	0.782257778	0.434063095	0.999371363	Not Sig
ENSG00000196337	CGB7	chorionic gonadotropin beta subunit 7	94027	4.584770094	1.050627775	1.37333011	0.765022021	0.444258432	NA	NA
ENSG00000254858	MPV17L2	MPV17 mitochondrial inner membrane protein like 2	84769	135.6701278	1.050810612	0.575768761	1.82505666	0.06799248	0.999371363	Not Sig
ENSG00000199733	NA	NA	NA	2.248713706	1.050850184	1.664463029	0.631344864	0.527815059	NA	NA
ENSG00000265047	NA	NA	NA	2.248713706	1.050850184	1.664463029	0.631344864	0.527815059	NA	NA
ENSG00000211804	NA	NA	NA	3.195329321	1.053839888	1.460478585	0.721571613	0.470557897	NA	NA
ENSG00000183048	SLC25A10	solute carrier family 25 member 10	1468	127.4475708	1.054016431	0.687916642	1.532186267	0.125476477	0.999371363	Not Sig
ENSG00000116260	QSOX1	quiescin sulfhydryl oxidase 1	5768	9269.432824	1.054032074	0.61577703	1.711710607	0.086950013	0.999371363	Not Sig
ENSG00000084764	MAPRE3	microtubule associated protein RP/EB family member 3	22924	418.7395463	1.054223407	0.671313291	1.570389594	0.116324502	0.999371363	Not Sig
ENSG00000260919	NA	NA	NA	7.662650868	1.054661184	1.426578745	0.739294054	0.459728459	0.999371363	Not Sig
ENSG00000212071	NA	NA	NA	7.837855036	1.057749962	1.288159229	0.82113293	0.411570555	0.999371363	Not Sig
ENSG00000236739	NA	NA	NA	4.526976094	1.057962373	1.562468371	0.677109625	0.498336403	NA	NA
ENSG00000188573	NA	NA	NA	0.956069864	1.058176346	3.03411917	0.348758993	0.727270252	NA	NA
ENSG00000228629	NA	NA	NA	1.667960461	1.058503823	2.250476145	0.470346609	0.638107403	NA	NA
ENSG00000224014	NA	NA	NA	9.007626088	1.058522655	1.00977233	1.048278531	0.294510298	0.999371363	Not Sig
ENSG00000206341	NA	NA	NA	937.8523201	1.059521199	0.756262525	1.400996563	0.161215101	0.999371363	Not Sig
ENSG00000272954	NA	NA	NA	6.521641277	1.061867198	1.175611174	0.903246942	0.366394849	NA	NA
ENSG00000211663	NA	NA	NA	798.5005194	1.062405137	1.150235489	0.923641417	0.355673043	0.999371363	Not Sig
ENSG00000128311	TST	thiosulfate sulfurtransferase	7263	709.5788121	1.062645362	0.532029397	1.997343321	0.0457879	0.999371363	Not Sig
ENSG00000273176	NA	NA	NA	1.995794826	1.064767745	1.812525203	0.587449897	0.556901591	NA	NA
ENSG00000252841	NA	NA	NA	1.578421272	1.065859875	1.987798403	0.536201193	0.591819509	NA	NA
ENSG00000160345	C9orf116	chromosome 9 open reading frame 116	138162	51.32141764	1.0673422	0.733757671	1.454624929	0.145773126	0.999371363	Not Sig
ENSG00000188818	ZDHHC11	zinc finger DHHC-type containing 11	79844	323.1754138	1.068337578	0.904779987	1.180770567	0.23769388	0.999371363	Not Sig
ENSG00000156140	ADAMTS3	ADAM metalloproteinase with thrombospondin type 1 motif 3	9508	66.11016778	1.068505439	0.713488993	1.497578028	0.134242919	0.999371363	Not Sig
ENSG00000235734	NA	NA	NA	1.138718399	1.068597267	2.248634648	0.475220494	0.634629821	NA	NA

ENSG00000264948	NA	NA	NA	1.138718399	1.068597267	2.248634648	0.475220494	0.634629821	NA	NA
ENSG00000211697	NA	NA	NA	6.476611393	1.068608081	1.058152817	1.009880675	0.312552463	NA	NA
ENSG00000221669	MIR548N	microRNA 548n	100302152	5.234150611	1.06884494	1.406073355	0.760163	0.447157158	NA	NA
ENSG00000208037	MIR320A	microRNA 320a	407037	5.527084637	1.069054274	1.194294889	0.895134262	0.370715321	NA	NA
ENSG00000261663	NA	NA	NA	1.269899515	1.069844473	2.833591308	0.377557881	0.705759058	NA	NA
ENSG00000256894	NA	NA	NA	23.58739138	1.070322049	0.855643258	1.250897542	0.210971861	0.999371363	Not Sig
ENSG00000204446	NA	NA	NA	3.868274372	1.070624294	1.582241221	0.676650488	0.498627738	NA	NA
ENSG00000204930	FAM221B	family with sequence similarity 221 member B	392307	12.93201017	1.070975259	1.376155564	0.778237059	0.436429273	0.999371363	Not Sig
ENSG00000260806	NA	NA	NA	17.54207811	1.070991973	0.971562135	1.102340173	0.27031381	0.999371363	Not Sig
ENSG00000107611	CUBN	cubilin	8029	130.5636212	1.074808453	0.611014452	1.759055698	0.078568049	0.999371363	Not Sig
ENSG00000188801	NA	NA	NA	30.04241215	1.075478527	0.965137667	1.114326551	0.265139121	0.999371363	Not Sig
ENSG00000178078	STAP2	signal transducing adaptor family member 2	55620	427.2442121	1.075756127	0.629495179	1.70891877	0.087465997	0.999371363	Not Sig
ENSG00000248571	NA	NA	NA	10.57063159	1.077117214	1.617796967	0.665792578	0.505543689	0.999371363	Not Sig
ENSG00000179242	CDH4	cadherin 4	1002	12.09450977	1.077551579	1.133030974	0.951034529	0.341586848	0.999371363	Not Sig
ENSG00000176678	FOXL1	forkhead box L1	2300	90.75091865	1.078128164	0.993962454	1.084676951	0.27806476	0.999371363	Not Sig
ENSG00000214943	GPR33	G protein-coupled receptor 33 (gene/pseudogene)	2856	1.020152065	1.07882812	2.64202179	0.408334301	0.68302826	NA	NA
ENSG00000184221	OLIG1	oligodendrocyte transcription factor 1	116448	34.36504671	1.079064047	0.79673969	1.354349559	0.175624882	0.999371363	Not Sig
ENSG00000196189	SEMA4A	semaphorin 4A	64218	1394.389123	1.081667493	0.495459476	2.18316037	0.029024002	0.889292599	Not Sig
ENSG00000201518	NA	NA	NA	1.687273068	1.08280331	1.964873574	0.551080398	0.581578562	NA	NA
ENSG00000233893	NA	NA	NA	2.845304074	1.082824488	1.708400083	0.633823715	0.526195875	NA	NA
ENSG00000204793	NA	NA	NA	0.968944935	1.083553428	3.026004818	0.358080536	0.720283044	NA	NA
ENSG00000234200	NA	NA	NA	0.968944935	1.083553428	3.026004818	0.358080536	0.720283044	NA	NA
ENSG00000240457	NA	NA	NA	0.968944935	1.083553428	3.026004818	0.358080536	0.720283044	NA	NA
ENSG00000233427	NA	NA	NA	6.207385721	1.083680497	1.082661886	1.000940839	0.316855411	NA	NA
ENSG00000137460	FHDC1	FH2 domain containing 1	85462	1007.658717	1.084935553	0.613182859	1.769350752	0.076835359	0.999371363	Not Sig
ENSG00000144369	FAM171B	family with sequence similarity 171 member B	165215	191.1904049	1.085624699	0.668110935	1.624916824	0.104180283	0.999371363	Not Sig
ENSG00000154310	TNIK	TRAF2 and NCK interacting kinase	23043	1253.307852	1.085691348	0.721444578	1.504885311	0.132353565	0.999371363	Not Sig
ENSG00000219451	RPL23P8	ribosomal protein L23 pseudogene 8	222901	1.482140495	1.086700135	2.300998214	0.47227335	0.63673169	NA	NA
ENSG00000265296	NA	NA	NA	1.482140495	1.086700135	2.300998214	0.47227335	0.63673169	NA	NA
ENSG00000241399	CD302	CD302 molecule	9936	1244.11047	1.086896898	0.751267776	1.446750324	0.147966864	0.999371363	Not Sig
ENSG00000124159	MATN4	matrilin 4	8785	5.262198406	1.087037687	1.438718137	0.755559869	0.449913124	NA	NA
ENSG00000266876	NA	NA	NA	1.533347625	1.087906105	2.054053361	0.529638677	0.596362473	NA	NA
ENSG00000127074	RGS13	regulator of G protein signaling 13	6003	36.81479157	1.088271675	1.110247684	0.980206211	0.326984339	0.999371363	Not Sig
ENSG00000243562	NA	NA	NA	1.15159347	1.088653837	2.246110983	0.484683903	0.627900587	NA	NA
ENSG00000241917	NA	NA	NA	1.600446539	1.089054255	1.986221889	0.548304427	0.583482888	NA	NA

ENSG00000205683	DPF3	double PHD fingers 3	8110	41.58168927	1.092968412	0.700510978	1.560244516	0.11870211	0.999371363	Not Sig
ENSG00000254454	NA	NA	NA	38.23492422	1.094516487	0.974761191	1.122856036	0.261498642	0.999371363	Not Sig
ENSG00000265828	MIR3939	microRNA 3939	100500857	16.17257303	1.094843795	0.898288333	1.218811104	0.222915896	0.999371363	Not Sig
ENSG00000169689	CENPX	centromere protein X	201254	452.4341832	1.095778699	0.626791864	1.748233762	0.080423558	0.999371363	Not Sig
ENSG00000235848	NA	NA	NA	3.938688536	1.096059857	1.53530701	0.713902724	0.475287333	NA	NA
ENSG00000011009	LYPLA2	lysophospholipase II	11313	1388.87418	1.096288939	0.636298972	1.722914835	0.084903927	0.999371363	Not Sig
ENSG00000229798	NA	NA	NA	2.764915081	1.096998892	1.449956909	0.756573444	0.449305456	NA	NA
ENSG00000174567	GOLT1A	golgi transport 1A	127845	308.7205003	1.09832365	0.935151007	1.174488016	0.240199609	0.999371363	Not Sig
ENSG00000213071	LPAL2	lipoprotein(a) like 2, pseudogene	80350	13.88841094	1.098327488	0.957074675	1.147588079	0.251138653	0.999371363	Not Sig
ENSG00000179846	NKPD1	NTase KAP family P-loop domain containing 1	284353	3.505113763	1.098404437	1.625576861	0.675701324	0.499230295	NA	NA
ENSG00000197557	TTC30A	tetratricopeptide repeat domain 30A	92104	239.6318755	1.098483113	0.446760106	2.458776191	0.01394115	0.59512169	Not Sig
ENSG00000230337	LOC105376736	uncharacterized LOC105376736	105376736	4.628549442	1.09876687	1.225099554	0.896879658	0.369783136	NA	NA
ENSG00000184986	TMEM121	transmembrane protein 121	80757	72.99569334	1.099115139	1.064817319	1.032210051	0.301973728	0.999371363	Not Sig
ENSG00000255680	NA	NA	NA	1.751200551	1.099507017	2.246793268	0.489367238	0.624581726	NA	NA
ENSG00000137965	IFI44	interferon induced protein 44	10561	1073.785594	1.099692985	0.860482438	1.27799585	0.20125089	0.999371363	Not Sig
ENSG00000189334	S100A14	S100 calcium binding protein A14	57402	1293.932633	1.101244119	0.680830239	1.617501774	0.105770013	0.999371363	Not Sig
ENSG00000225243	NA	NA	NA	2.729295683	1.101368524	1.609440841	0.684317495	0.493774702	NA	NA
ENSG00000215018	COL28A1	collagen type XXVIII alpha 1 chain	340267	282.7846539	1.101654145	0.641480541	1.71736175	0.085913096	0.999371363	Not Sig
ENSG00000225094	NA	NA	NA	2.87632482	1.101848215	1.757321467	0.627004356	0.53065638	NA	NA
ENSG00000272288	LOC101929243	uncharacterized LOC101929243	101929243	38.82125668	1.103422897	0.648605232	1.701224171	0.088900901	0.999371363	Not Sig
ENSG00000131187	F12	coagulation factor XII	2161	44.66451958	1.104387689	0.726755122	1.519614592	0.128607868	0.999371363	Not Sig
ENSG00000189045	ANKDD1B	ankyrin repeat and death domain containing 1B	728780	193.4189108	1.105317187	0.617448456	1.790136773	0.073431926	0.999371363	Not Sig
ENSG00000090382	LYZ	lysozyme	4069	6897.031691	1.105826426	0.842218293	1.312992647	0.189185426	0.999371363	Not Sig
ENSG00000142794	NBPF3	NBPF member 3	84224	263.7515392	1.106555243	0.545695026	2.027790597	0.042581624	0.999371363	Not Sig
ENSG00000134207	SYT6	synaptotagmin 6	148281	3.402550169	1.106694998	1.660255605	0.666581094	0.505039749	NA	NA
ENSG00000146047	HIST1H2BA	histone cluster 1 H2B family member a	255626	1.055312693	1.107102706	2.98477409	0.37091675	0.710699539	NA	NA
ENSG00000185274	GALNT17	polypeptide N-acetylgalactosaminyltransferase 17	64409	256.0504476	1.109348729	0.897739532	1.235713354	0.216565132	0.999371363	Not Sig
ENSG00000230783	NA	NA	NA	7.257982334	1.109423071	0.968666315	1.145309849	0.252080828	0.999371363	Not Sig
ENSG00000175265	GOLGA8A	golgin A8 family member A	23015	884.9699723	1.110002463	0.666158644	1.666273452	0.095658962	0.999371363	Not Sig
ENSG00000233680	NA	NA	NA	31.5197277	1.110254125	0.81151666	1.368122407	0.171273764	0.999371363	Not Sig
ENSG00000137699	TRIM29	tripartite motif containing 29	23650	348.5107124	1.110436806	0.769326553	1.443388118	0.148911169	0.999371363	Not Sig
ENSG00000132881	RSG1	REM2 and RAB like small GTPase 1	79363	119.6879974	1.111559777	0.747069692	1.487893016	0.13677911	0.999371363	Not Sig
ENSG00000254979	NA	NA	NA	2.257853004	1.11218309	1.87887653	0.591940488	0.55389044	NA	NA
ENSG00000016082	ISL1	ISL LIM homeobox 1	3670	2.117062922	1.11248176	2.45790834	0.4526132	0.650827292	NA	NA
ENSG00000250815	NA	NA	NA	1.173618738	1.112940138	2.505400774	0.44421641	0.656886129	NA	NA

ENSG00000263407	MIR4660	microRNA 4660	100616350	1.122411608	1.114172838	2.253952711	0.494319527	0.621080537	NA	NA
ENSG00000269279	NA	NA	NA	7.813385121	1.115126709	0.997713744	1.117682016	0.263702826	0.999371363	Not Sig
ENSG00000196711	ALKAL1	ALK and LTK ligand 1	389658	49.04319615	1.11582432	1.18056327	0.945162659	0.34457584	0.999371363	Not Sig
ENSG00000253194	NA	NA	NA	12.20938977	1.117090475	1.000985319	1.115990868	0.264426044	0.999371363	Not Sig
ENSG00000211851	NA	NA	NA	8.330520318	1.119987684	1.303023092	0.859530189	0.390048072	0.999371363	Not Sig
ENSG00000186312	CA5BP1	carbonic anhydrase 5B pseudogene 1	340591	331.3486194	1.120130557	0.46863564	2.390194986	0.01683943	0.662684192	Not Sig
ENSG00000232724	NA	NA	NA	5.68415529	1.120468986	1.210032755	0.92598236	0.354455148	NA	NA
ENSG00000175262	Clorf127	chromosome 1 open reading frame 127	148345	40.29062114	1.120496929	1.005926827	1.113895065	0.265324207	0.999371363	Not Sig
ENSG00000167920	TMEM99	transmembrane protein 99	147184	136.1137758	1.121466219	0.629074314	1.782724543	0.074631154	0.999371363	Not Sig
ENSG00000261235	NA	NA	NA	6.741205719	1.124075554	1.176744453	0.955241855	0.339455404	0.999371363	Not Sig
ENSG00000242048	LOC644090	uncharacterized LOC644090	644090	2.982203665	1.124461671	1.77167571	0.634688202	0.52563179	NA	NA
ENSG00000135447	PPP1R1A	protein phosphatase 1 regulatory inhibitor subunit 1A	5502	11.7899432	1.125493721	1.620037495	0.694733131	0.487222561	0.999371363	Not Sig
ENSG00000254966	NA	NA	NA	9.71191982	1.129443041	1.036993907	1.089151087	0.276087265	0.999371363	Not Sig
ENSG00000198846	TOX	thymocyte selection associated high mobility group box	9760	420.8741359	1.12951691	0.953659861	1.184402276	0.23625386	0.999371363	Not Sig
ENSG00000165685	TMEM52B	transmembrane protein 52B	120939	25.04260356	1.129677871	0.895641861	1.261305351	0.207198854	0.999371363	Not Sig
ENSG00000167183	PRR15L	proline rich 15 like	79170	661.6604099	1.13072394	0.710471607	1.591511791	0.111494444	0.999371363	Not Sig
ENSG00000235481	NA	NA	NA	1.180056273	1.130912084	2.204068332	0.513102098	0.607879904	NA	NA
ENSG00000238824	NA	NA	NA	1.180056273	1.130912084	2.204068332	0.513102098	0.607879904	NA	NA
ENSG00000246731	MGC16275	uncharacterized protein MGC16275	85001	44.27944957	1.131191251	0.951578505	1.18875242	0.234537106	0.999371363	Not Sig
ENSG00000211710	NA	NA	NA	5.727491189	1.131436831	1.35591964	0.834442395	0.404031736	NA	NA
ENSG00000224114	NA	NA	NA	2.456803906	1.132310453	2.045977979	0.553432376	0.579967375	NA	NA
ENSG00000205361	NA	NA	NA	3.669047857	1.133033352	1.355273858	0.836018009	0.403144772	NA	NA
ENSG00000200156	RNU5B-1	RNA, U5B small nuclear 1	26832	6.481434296	1.134534949	1.017508553	1.115012691	0.264844984	NA	NA
ENSG00000157637	SLC38A10	solute carrier family 38 member 10	124565	5587.645301	1.135109803	0.620076431	1.830596596	0.067160777	0.999371363	Not Sig
ENSG00000173083	HPSE	heparanase	10855	220.7314012	1.135807279	0.472488143	2.403885251	0.016221864	0.654298425	Not Sig
ENSG00000148734	NPFPR1	neuropeptide FF receptor 1	64106	26.55845675	1.136221871	0.636327426	1.785593115	0.074165162	0.999371363	Not Sig
ENSG00000224982	TMEM233	transmembrane protein 233	387890	38.42290439	1.137160034	0.821773531	1.383787615	0.166423496	0.999371363	Not Sig
ENSG00000151023	ENKUR	enkurin, TRPC channel interacting protein	219670	61.88375573	1.137916269	0.749492751	1.518248531	0.128951757	0.999371363	Not Sig
ENSG00000168348	INSM2	INSM transcriptional repressor 2	84684	1.141724214	1.138526314	2.568851607	0.443204392	0.657617903	NA	NA
ENSG00000266690	MIR4274	microRNA 4274	100422826	1.488317741	1.138839165	2.694746734	0.422614545	0.672576513	NA	NA
ENSG00000250746	NA	NA	NA	3.31229192	1.139362288	1.503860565	0.757624952	0.448675538	NA	NA
ENSG00000267359	NA	NA	NA	2.196776618	1.140419777	1.864464176	0.611660868	0.540762157	NA	NA
ENSG00000263011	NA	NA	NA	1.0746253	1.141147162	2.974437436	0.383651425	0.701236819	NA	NA
ENSG00000136193	SCRN1	secernin 1	9805	3053.491142	1.141411327	0.450195897	2.535365903	0.011232993	0.523915097	Not Sig
ENSG00000231419	LINC00689	long intergenic non-protein coding RNA 689	154822	116.9378944	1.14200104	0.930709906	1.227021474	0.21981452	0.999371363	Not Sig

ENSG00000112041	TULP1	tubby like protein 1	7287	1.53635344	1.142080537	1.992831206	0.573094467	0.566580734	NA	NA
ENSG00000229415	SFTA3	surfactant associated 3	253970	1091.648013	1.14321823	0.764992217	1.49441812	0.135066368	0.999371363	Not Sig
ENSG00000134247	PTGFRN	prostaglandin F2 receptor inhibitor	5738	1907.620875	1.14514626	0.662167063	1.729391757	0.083739004	0.999371363	Not Sig
ENSG00000154479	CCDC173	coiled-coil domain containing 173	129881	45.23683222	1.145457965	1.12060979	1.022173798	0.30669865	0.999371363	Not Sig
ENSG00000124479	NDP	NDP, norrin cystine knot growth factor	4693	2.174292581	1.145528123	1.628047962	0.703620624	0.481669064	NA	NA
ENSG00000260773	NA	NA	NA	2.107193666	1.1464826	2.094447624	0.547391392	0.584109868	NA	NA
ENSG00000207561	MIR635	microRNA 635	693220	12.550903	1.148204657	0.987718428	1.16248176	0.24503983	0.999371363	Not Sig
ENSG00000134504	KCTD1	potassium channel tetramerization domain containing 1	284252	474.9957924	1.149398267	0.642545619	1.788819709	0.073643856	0.999371363	Not Sig
ENSG00000170935	NCBP2L	nuclear cap binding protein subunit 2 like	392517	1.003845274	1.14989602	3.043535145	0.377815916	0.705567349	NA	NA
ENSG00000266637	NA	NA	NA	1.003845274	1.14989602	3.043535145	0.377815916	0.705567349	NA	NA
ENSG00000151224	MAT1A	methionine adenosyltransferase 1A	4143	23.68502367	1.15038086	1.348198977	0.853272314	0.39350831	0.999371363	Not Sig
ENSG00000249604	NA	NA	NA	2.809215008	1.150702518	1.729280106	0.665422862	0.505780066	NA	NA
ENSG00000249309	NA	NA	NA	4.303709995	1.150886275	1.3152664	0.875021421	0.38156225	NA	NA
ENSG00000181408	UTS2R	urotensin 2 receptor	2837	2.671336067	1.153195373	1.699359335	0.67860596	0.497387566	NA	NA
ENSG00000163638	ADAMTS9	ADAM metalloproteinase with thrombospondin type 1 motif 9	56999	813.0229093	1.154569693	0.490088736	2.355838051	0.018480973	0.692651462	Not Sig
ENSG00000130021	PUDP	pseudouridine 5'-phosphatase	8226	487.3819423	1.155049326	0.451455503	2.558500936	0.010512454	0.505279884	Not Sig
ENSG00000169241	SLC50A1	solute carrier family 50 member 1	55974	1011.927668	1.155545807	0.564582003	2.046728024	0.040684796	0.999371363	Not Sig
ENSG00000255422	NA	NA	NA	3.732826006	1.155952736	1.492300427	0.774611275	0.438569393	NA	NA
ENSG00000184881	NA	NA	NA	1.994815476	1.156381771	2.53174565	0.456752743	0.647848776	NA	NA
ENSG00000162591	MEGF6	multiple EGF like domains 6	1953	3036.529001	1.157385629	0.649327314	1.782437923	0.074677846	0.999371363	Not Sig
ENSG00000224287	MSL3P1	MSL complex subunit 3 pseudogene 1	151507	64.72376802	1.15887166	0.775663841	1.494038523	0.135165551	0.999371363	Not Sig
ENSG00000252679	NA	NA	NA	1.039005902	1.160241994	2.608077736	0.444864805	0.656417458	NA	NA
ENSG00000260339	HEXA-AS1	HEXA antisense RNA 1	80072	21.43851703	1.160337389	0.962999762	1.204919705	0.228234301	0.999371363	Not Sig
ENSG00000100196	KDEL3	KDEL endoplasmic reticulum protein retention receptor 3	11015	635.5865606	1.160880712	0.755589967	1.536389792	0.124442809	0.999371363	Not Sig
ENSG00000108688	CCL7	C-C motif chemokine ligand 7	6354	2.158140507	1.16226852	1.812219877	0.641350718	0.521294844	NA	NA
ENSG00000226981	NA	NA	NA	9.663050357	1.162704911	1.432320377	0.811763157	0.416927546	0.999371363	Not Sig
ENSG00000141150	NA	NA	NA	44.51998759	1.163361059	0.92025598	1.264171149	0.206168604	0.999371363	Not Sig
ENSG00000166387	PPFIBP2	PPFIA binding protein 2	8495	1446.647072	1.165209815	0.486449508	2.395335578	0.01660516	0.657741302	Not Sig
ENSG00000269779	NA	NA	NA	3.959983846	1.165952194	1.712040512	0.681030727	0.495852048	NA	NA
ENSG00000020129	NCDN	neurochondrin	23154	907.1076631	1.167972569	0.66807224	1.748272866	0.080416789	0.999371363	Not Sig
ENSG00000229915	NA	NA	NA	2.157985789	1.16982577	1.812664178	0.645362657	0.518692197	NA	NA
ENSG00000228818	NA	NA	NA	1.564816243	1.170016722	1.935971356	0.604356422	0.545606702	NA	NA
ENSG00000267552	NA	NA	NA	1.564816243	1.170016722	1.935971356	0.604356422	0.545606702	NA	NA
ENSG00000251769	NA	NA	NA	5.226796785	1.170532939	1.921831865	0.609071459	0.542477074	NA	NA
ENSG00000230912	NA	NA	NA	1.045443437	1.170571834	2.551712018	0.45873979	0.646421037	NA	NA

ENSG00000177627	C12orf54	chromosome 12 open reading frame 54	121273	2.603822145	1.170582348	1.640896365	0.713379817	0.475610759	NA	NA
ENSG00000187773	FAM69C	family with sequence similarity 69 member C	125704	3.075159252	1.171096278	1.715612959	0.682611	0.494852681	NA	NA
ENSG00000232640	NA	NA	NA	2.308894519	1.172751661	2.103868727	0.557426253	0.577236233	NA	NA
ENSG00000249996	NA	NA	NA	13.78243884	1.173013323	0.870469051	1.347564651	0.177798446	0.999371363	Not Sig
ENSG00000226216	NA	NA	NA	17.08517202	1.17409727	0.800448503	1.466799257	0.142430672	0.999371363	Not Sig
ENSG00000258384	NA	NA	NA	1.163749482	1.175753946	2.209053736	0.532243253	0.59455753	NA	NA
ENSG00000102359	SRPX2	sushi repeat containing protein, X-linked 2	27286	596.63154	1.17605298	0.88380854	1.330664874	0.183299306	0.999371363	Not Sig
ENSG00000235101	NA	NA	NA	1.683122288	1.176922171	1.981222143	0.59403847	0.552486383	NA	NA
ENSG00000135702	CHST5	carbohydrate sulfotransferase 5	23563	1.571253779	1.177136226	1.935640766	0.608137753	0.543096115	NA	NA
ENSG00000140873	ADAMTS18	ADAM metalloproteinase with thrombospondin type 1 motif 18	170692	10.32634563	1.178606988	1.041506429	1.131636786	0.257787168	0.999371363	Not Sig
ENSG00000205918	NA	NA	NA	4.210540605	1.179628321	1.628998896	0.724143106	0.468977883	NA	NA
ENSG00000206869	SNORA70F	small nucleolar RNA, H/ACA box 70F	100337591	4.770287258	1.17966808	1.230047102	0.959043014	0.337537076	NA	NA
ENSG00000263828	MIR4439	microRNA 4439	100616207	6.338791086	1.179956605	1.451548144	0.812895259	0.416278113	NA	NA
ENSG00000258920	FOXN3-AS1	FOXN3 antisense RNA 1	400236	53.62464165	1.180195272	1.032327963	1.143236757	0.252940305	0.999371363	Not Sig
ENSG00000196979	LOC401554	uncharacterized LOC401554	401554	1.865770823	1.18099836	1.869944407	0.631568701	0.527668744	NA	NA
ENSG00000171612	SLC25A33	solute carrier family 25 member 33	84275	229.5249393	1.182011224	0.471060222	2.509257138	0.012098538	0.550076239	Not Sig
ENSG00000121871	SLITRK3	SLIT and NTRK like family member 3	22865	13.5320942	1.1838294	1.408302936	0.840607067	0.400568099	0.999371363	Not Sig
ENSG00000110811	P3H3	prolyl 3-hydroxylase 3	10536	622.8968004	1.183852551	0.908745855	1.302732271	0.192666181	0.999371363	Not Sig
ENSG00000163762	TM4SF18	transmembrane 4 L six family member 18	116441	144.8523236	1.183899236	0.813636285	1.455071828	0.145649378	0.999371363	Not Sig
ENSG00000204632	HLA-G	major histocompatibility complex, class I, G	3135	196.370608	1.184157927	1.004581871	1.178757014	0.238494945	0.999371363	Not Sig
ENSG00000259502	NA	NA	NA	1.753902314	1.184570003	1.928159488	0.614352708	0.538982279	NA	NA
ENSG00000211514	MIR454	microRNA 454	768216	3.468658835	1.184936687	1.663426217	0.712347007	0.476249922	NA	NA
ENSG00000233728	NA	NA	NA	3.561768182	1.185124848	1.366167889	0.867481118	0.385678453	NA	NA
ENSG00000129214	SHBG	sex hormone binding globulin	6462	4.152790367	1.185311028	1.458962574	0.812434156	0.416542554	NA	NA
ENSG00000092850	TEKT2	tektin 2	27285	142.4006523	1.186558144	1.054441897	1.125294952	0.260464068	0.999371363	Not Sig
ENSG00000256458	NA	NA	NA	1.577691315	1.186818471	1.989812473	0.596447397	0.550876385	NA	NA
ENSG00000235204	NA	NA	NA	1.872208359	1.187227589	1.869860247	0.634928514	0.525475039	NA	NA
ENSG00000211652	NA	NA	NA	87.69911306	1.187314469	0.913312839	1.300008517	0.19359805	0.999371363	Not Sig
ENSG00000256269	HMBS	hydroxymethylbilane synthase	3145	274.7294806	1.187484988	0.622671687	1.907080428	0.056510173	0.999371363	Not Sig
ENSG00000263910	NA	NA	NA	2.208932629	1.190077522	1.878081616	0.633666563	0.526298451	NA	NA
ENSG00000103021	CCDC113	coiled-coil domain containing 113	29070	308.9757124	1.190786326	0.679244723	1.753103537	0.079584237	0.999371363	Not Sig
ENSG00000211784	NA	NA	NA	1.878645894	1.190847678	1.92334182	0.619155506	0.53581392	NA	NA
ENSG00000134183	GNAT2	G protein subunit alpha transducin 2	2780	2.568202747	1.192132278	2.080895407	0.572893897	0.566716537	NA	NA
ENSG00000253722	NA	NA	NA	1.058318509	1.192823167	2.60092151	0.458615595	0.646510235	NA	NA
ENSG00000180543	TSPYL5	TSPY like 5	85453	656.3822859	1.193790031	0.817089713	1.461026877	0.144008066	0.999371363	Not Sig

ENSG00000177453	NIM1K	NIM1 serine/threonine protein kinase	167359	25.23967102	1.195211492	1.092386732	1.094128533	0.27389861	0.999371363	Not Sig
ENSG00000249593	NA	NA	NA	1.109525639	1.195959685	2.528122145	0.473062462	0.636168617	NA	NA
ENSG00000270259	NA	NA	NA	1.109525639	1.195959685	2.528122145	0.473062462	0.636168617	NA	NA
ENSG00000180730	SHISA2	shisa family member 2	387914	448.0816968	1.196625432	1.032363722	1.159112245	0.246410435	0.999371363	Not Sig
ENSG00000226145	NA	NA	NA	4.87564729	1.197345899	1.763668528	0.678895087	0.497204339	NA	NA
ENSG00000164512	ANKRD55	ankyrin repeat domain 55	79722	8.622328675	1.19820047	1.187791345	1.008763429	0.313088104	0.999371363	Not Sig
ENSG00000134463	ECHDC3	enoyl-CoA hydratase domain containing 3	79746	391.9639158	1.19874154	0.819543789	1.462693703	0.14355121	0.999371363	Not Sig
ENSG00000183421	RIPK4	receptor interacting serine/threonine kinase 4	54101	754.9629353	1.199040261	0.66746661	1.79640486	0.072430152	0.999371363	Not Sig
ENSG00000228049	NA	NA	NA	3.478362476	1.201453716	1.305761395	0.920117351	0.357511438	NA	NA
ENSG00000229422	NA	NA	NA	10.98399706	1.201657915	0.882951271	1.360956096	0.173527564	0.999371363	Not Sig
ENSG00000236153	NA	NA	NA	1.843026496	1.20332294	1.924189694	0.625366066	0.531730828	NA	NA
ENSG00000230818	NA	NA	NA	3.391690665	1.203873024	1.493327425	0.806168161	0.420145894	NA	NA
ENSG00000114204	SERPINI2	serpin family I member 2	5276	36.53852877	1.204982069	0.997216099	1.208345984	0.226914207	0.999371363	Not Sig
ENSG00000271133	LOC101927811	uncharacterized LOC101927811	101927811	12.37015639	1.206048818	0.959993404	1.256309485	0.209003784	0.999371363	Not Sig
ENSG00000207771	MIR550A1	microRNA 550a-1	693133	5.53250031	1.206158658	1.19714956	1.007525457	0.313682331	NA	NA
ENSG00000207771	MIR550B1	microRNA 550b-1	100500883	5.53250031	1.206158658	1.19714956	1.007525457	0.313682331	NA	NA
ENSG00000204174	NPY4R	neuropeptide Y receptor Y4	5540	58.82121898	1.207570117	1.348502076	0.895489995	0.370525212	0.999371363	Not Sig
ENSG00000211746	NA	NA	NA	12.73564644	1.209155631	0.949102083	1.273999555	0.202663574	0.999371363	Not Sig
ENSG00000110375	UPK2	uroplakin 2	7379	3.183845432	1.209328345	1.525543445	0.792719702	0.427941149	NA	NA
ENSG00000211640	NA	NA	NA	331.4729877	1.209576686	1.059702561	1.14143037	0.253690873	0.999371363	Not Sig
ENSG00000163331	DAPL1	death associated protein like 1	92196	3.844778291	1.21033754	1.669133283	0.725129354	0.468372678	NA	NA
ENSG00000099953	MMP11	matrix metalloproteinase 11	4320	347.6739276	1.210512009	0.930300618	1.301205208	0.193188223	0.999371363	Not Sig
ENSG00000221990	EXOC3-AS1	EXOC3 antisense RNA 1	116349	69.14760619	1.210660052	0.78135982	1.549427064	0.121279092	0.999371363	Not Sig
ENSG00000205704	LINC00634	long intergenic non-protein coding RNA 634	339674	1.330091225	1.210920715	2.38066176	0.508648786	0.610998426	NA	NA
ENSG00000225335	NA	NA	NA	8.731933473	1.211244291	0.945137879	1.281553007	0.199999494	0.999371363	Not Sig
ENSG00000115457	IGFBP2	insulin like growth factor binding protein 2	3485	1749.848325	1.211460165	0.947457322	1.278643519	0.201022617	0.999371363	Not Sig
ENSG00000224775	NA	NA	NA	14.91589435	1.211805704	0.986120446	1.228861757	0.219123642	0.999371363	Not Sig
ENSG00000086712	TXLNG	taxilin gamma	55787	749.1012595	1.213142982	0.4542407	2.67070516	0.00756921	0.42176576	Not Sig
ENSG00000167769	ACER1	alkaline ceramidase 1	125981	1.606154117	1.21359523	1.933617799	0.627629323	0.530246795	NA	NA
ENSG00000073737	DHRS9	dehydrogenase/reductase 9	10170	138.2671091	1.214190826	1.088629058	1.115339349	0.264705029	0.999371363	Not Sig
ENSG00000163959	SLC51A	solute carrier family 51 alpha subunit	200931	10.33793287	1.214371593	0.902426242	1.345674069	0.178407653	0.999371363	Not Sig
ENSG00000157593	SLC35B2	solute carrier family 35 member B2	347734	808.1797486	1.215721042	0.470212214	2.585473122	0.009724545	0.489844803	Not Sig
ENSG00000241361	NA	NA	NA	1.68654311	1.216470267	2.602984767	0.467336683	0.640259015	NA	NA
ENSG00000232415	NA	NA	NA	41.16471929	1.217400406	0.897637599	1.356227064	0.175026933	0.999371363	Not Sig
ENSG00000227450	NA	NA	NA	12.07302784	1.217859707	1.012302219	1.203059407	0.228953332	0.999371363	Not Sig

ENSG00000253349	NA	NA	NA	1.080343776	1.21963754	2.269409916	0.537424963	0.590974104	NA	NA
ENSG00000266369	NA	NA	NA	1.02269911	1.219831601	3.005916419	0.405810219	0.684882049	NA	NA
ENSG00000205184	NA	NA	NA	1.336528761	1.219832519	2.379329008	0.512679211	0.608175734	NA	NA
ENSG00000231386	NA	NA	NA	1.897499731	1.220395155	2.17051895	0.562259617	0.573939148	NA	NA
ENSG00000164294	GPX8	glutathione peroxidase 8 (putative)	493869	454.5471817	1.220529604	0.766329253	1.592696089	0.111228385	0.999371363	Not Sig
ENSG00000127252	HRASLS	HRAS like suppressor	57110	11.51113178	1.222303005	1.64672227	0.74226421	0.457927272	0.999371363	Not Sig
ENSG00000189431	RASSF10	Ras association domain family member 10	644943	218.4386657	1.223305406	0.851463543	1.436709083	0.150800673	0.999371363	Not Sig
ENSG00000203652	NA	NA	NA	13.14646707	1.223804727	0.912545247	1.341089367	0.179891439	0.999371363	Not Sig
ENSG00000174500	GCSAM	germinal center associated signaling and motility	257144	21.90107187	1.22508283	1.102026927	1.111663245	0.266282968	0.999371363	Not Sig
ENSG00000171812	COL8A2	collagen type VIII alpha 2 chain	1296	759.005461	1.226014984	0.708678876	1.730000747	0.083630142	0.999371363	Not Sig
ENSG00000179456	ZBTB18	zinc finger and BTB domain containing 18	10472	1357.418383	1.226050735	0.66302781	1.849169396	0.064433356	0.999371363	Not Sig
ENSG00000236334	PPIAL4G	peptidylprolyl isomerase A like 4G	644591	1.086781311	1.228551861	2.231028201	0.550666218	0.581862507	NA	NA
ENSG00000100167	3-Sep	septin 3	55964	80.46849146	1.229245252	0.85813011	1.43246955	0.152009487	0.999371363	Not Sig
ENSG00000178372	CALML5	calmodulin like 5	51806	2.04539822	1.229372801	2.495696807	0.492597016	0.622297357	NA	NA
ENSG00000199546	NA	NA	NA	1.029136646	1.230444962	2.947576314	0.417442953	0.676354442	NA	NA
ENSG00000266110	MIR4423	microRNA 4423	100616481	1.029136646	1.230444962	2.947576314	0.417442953	0.676354442	NA	NA
ENSG00000225986	UBXN10-AS1	UBXN10 antisense RNA 1	101928017	20.83216779	1.230512782	0.91418225	1.346025677	0.178294236	0.999371363	Not Sig
ENSG00000221782	MIR548F2	microRNA 548f-2	100313771	0.586002052	1.232004184	3.525608079	0.349444452	0.726755666	NA	NA
ENSG00000226912	NA	NA	NA	0.586002052	1.232004184	3.525608079	0.349444452	0.726755666	NA	NA
ENSG00000229220	NA	NA	NA	0.586002052	1.232004184	3.525608079	0.349444452	0.726755666	NA	NA
ENSG00000235248	NA	NA	NA	0.586002052	1.232004184	3.525608079	0.349444452	0.726755666	NA	NA
ENSG00000268156	NA	NA	NA	0.586002052	1.232004184	3.525608079	0.349444452	0.726755666	NA	NA
ENSG00000231621	LOC101927596	uncharacterized LOC101927596	101927596	15.52332987	1.232114355	1.256221714	0.980809631	0.326686628	0.999371363	Not Sig
ENSG00000168065	SLC22A11	solute carrier family 22 member 11	55867	0.602308844	1.23228681	3.495197802	0.352565686	0.724414066	NA	NA
ENSG00000227335	NA	NA	NA	0.602308844	1.23228681	3.495197802	0.352565686	0.724414066	NA	NA
ENSG00000237645	NA	NA	NA	0.602308844	1.23228681	3.495197802	0.352565686	0.724414066	NA	NA
ENSG00000240652	NA	NA	NA	0.602308844	1.23228681	3.495197802	0.352565686	0.724414066	NA	NA
ENSG00000254980	NA	NA	NA	0.602308844	1.23228681	3.495197802	0.352565686	0.724414066	NA	NA
ENSG00000268100	NA	NA	NA	0.602308844	1.23228681	3.495197802	0.352565686	0.724414066	NA	NA
ENSG00000229795	NA	NA	NA	2.474517202	1.232819773	1.660527687	0.742426508	0.457828964	NA	NA
ENSG00000176855	NA	NA	NA	0.644376676	1.232998702	3.422082631	0.360306525	0.71861792	NA	NA
ENSG00000200972	NA	NA	NA	0.644376676	1.232998702	3.422082631	0.360306525	0.71861792	NA	NA
ENSG00000201899	SNORD114-24	small nucleolar RNA, C/D box 114-24	767604	0.644376676	1.232998702	3.422082631	0.360306525	0.71861792	NA	NA
ENSG00000222035	NA	NA	NA	0.644376676	1.232998702	3.422082631	0.360306525	0.71861792	NA	NA
ENSG00000226746	SMCR5	Smith-Magenis syndrome chromosome region, candidate 5 (non-protein coding)	140771	0.644376676	1.232998702	3.422082631	0.360306525	0.71861792	NA	NA

ENSG00000242628	NA	NA	NA	0.644376676	1.232998702	3.422082631	0.360306525	0.71861792	NA	NA
ENSG00000264183	NA	NA	NA	2.260389151	1.233149555	2.086816586	0.590923785	0.554571489	NA	NA
ENSG00000211727	NA	NA	NA	3.321160031	1.233225001	1.570796216	0.785095475	0.432397593	NA	NA
ENSG00000235397	EPN2-AS1	EPN2 antisense RNA 1	100874018	1.131550906	1.233981915	2.891639494	0.426741272	0.669567786	NA	NA
ENSG00000006042	TMEM98	transmembrane protein 98	26022	1383.833863	1.23404426	0.487182088	2.533024694	0.011308299	0.525481197	Not Sig
ENSG00000243445	NA	NA	NA	4.491900492	1.234764664	1.594589762	0.774346289	0.438726037	NA	NA
ENSG00000273445	NA	NA	NA	12.27823703	1.238023152	0.970759587	1.275313856	0.202198175	0.999371363	Not Sig
ENSG00000137959	IFI44L	interferon induced protein 44 like	10964	2218.058937	1.241322874	1.089025843	1.139847031	0.254350036	0.999371363	Not Sig
ENSG00000223564	NA	NA	NA	1.035574181	1.241698313	2.943975835	0.421775987	0.673188535	NA	NA
ENSG00000255119	NA	NA	NA	1.035574181	1.241698313	2.943975835	0.421775987	0.673188535	NA	NA
ENSG00000166391	MOGAT2	monoacylglycerol O-acyltransferase 2	80168	6.232518111	1.241732342	1.770011617	0.701539092	0.482966647	NA	NA
ENSG00000132207	SLX1A	SLX1 homolog A, structure-specific endonuclease subunit	548593	1.714851195	1.241906488	1.93013481	0.643429921	0.519945174	NA	NA
ENSG00000132207	LOC105369236	structure-specific endonuclease subunit SLX1	105369236	1.714851195	1.241906488	1.93013481	0.643429921	0.519945174	NA	NA
ENSG00000260005	NA	NA	NA	3.90400155	1.244745164	1.328091331	0.937243648	0.348633243	NA	NA
ENSG00000105737	GRIK5	glutamate ionotropic receptor kainate type subunit 5	2901	27.03440393	1.244978665	0.844876254	1.473563329	0.140599201	0.999371363	Not Sig
ENSG00000259449	NA	NA	NA	1.262732021	1.245891292	2.53317122	0.491830667	0.622839055	NA	NA
ENSG00000162572	SCNN1D	sodium channel epithelial 1 delta subunit	6339	104.7205772	1.245982281	0.701324585	1.776612864	0.075631958	0.999371363	Not Sig
ENSG00000167419	LPO	lactoperoxidase	4025	3.82775244	1.245983426	1.467481212	0.849062608	0.395846455	NA	NA
ENSG00000132932	ATP8A2	ATPase phospholipid transporting 8A2	51761	150.924649	1.24625023	1.135271384	1.097755345	0.272311335	0.999371363	Not Sig
ENSG00000257403	NA	NA	NA	13.57644185	1.246951019	1.019934646	1.222579333	0.221488623	0.999371363	Not Sig
ENSG00000253379	NA	NA	NA	12.53515566	1.247211614	1.325573297	0.940884685	0.346763957	0.999371363	Not Sig
ENSG00000210144	NA	NA	NA	6.237623099	1.2476379	1.157123714	1.07822343	0.280934058	NA	NA
ENSG00000255750	NA	NA	NA	1.942009035	1.248306195	1.945392624	0.641673141	0.521085432	NA	NA
ENSG00000197826	C4orf22	chromosome 4 open reading frame 22	255119	15.86151155	1.249341711	1.172830378	1.065236486	0.286768927	0.999371363	Not Sig
ENSG00000105877	DNAH11	dynein axonemal heavy chain 11	8701	1872.114241	1.24971652	0.68290779	1.829993066	0.067250976	0.999371363	Not Sig
ENSG00000133216	EPHB2	EPH receptor B2	2048	464.9543477	1.249900469	0.677697203	1.8443347	0.065134377	0.999371363	Not Sig
ENSG00000177291	GJD4	gap junction protein delta 4	219770	0.592439588	1.250608038	3.515674246	0.355723526	0.722047625	NA	NA
ENSG00000207797	MIR187	microRNA 187	406963	0.592439588	1.250608038	3.515674246	0.355723526	0.722047625	NA	NA
ENSG00000236360	NA	NA	NA	0.592439588	1.250608038	3.515674246	0.355723526	0.722047625	NA	NA
ENSG00000240125	NA	NA	NA	0.592439588	1.250608038	3.515674246	0.355723526	0.722047625	NA	NA
ENSG00000259589	NA	NA	NA	0.592439588	1.250608038	3.515674246	0.355723526	0.722047625	NA	NA
ENSG00000188512	NA	NA	NA	0.608746379	1.250840534	3.485748802	0.358844141	0.719711689	NA	NA
ENSG00000254683	NA	NA	NA	0.608746379	1.250840534	3.485748802	0.358844141	0.719711689	NA	NA
ENSG00000258560	NA	NA	NA	0.608746379	1.250840534	3.485748802	0.358844141	0.719711689	NA	NA
ENSG00000269074	NA	NA	NA	0.608746379	1.250840534	3.485748802	0.358844141	0.719711689	NA	NA

ENSG00000272521	NA	NA	NA	0.608746379	1.250840534	3.485748802	0.358844141	0.719711689	NA	NA
ENSG00000184844	NA	NA	NA	0.650814211	1.251426164	3.413746073	0.366584432	0.713929023	NA	NA
ENSG00000206790	NA	NA	NA	0.650814211	1.251426164	3.413746073	0.366584432	0.713929023	NA	NA
ENSG00000227688	NA	NA	NA	0.650814211	1.251426164	3.413746073	0.366584432	0.713929023	NA	NA
ENSG00000260570	NA	NA	NA	0.650814211	1.251426164	3.413746073	0.366584432	0.713929023	NA	NA
ENSG00000222920	NA	NA	NA	4.240011186	1.25160479	1.836895187	0.681369737	0.495637567	NA	NA
ENSG00000268171	NA	NA	NA	1.823702991	1.252065609	1.871272144	0.66909862	0.50343257	NA	NA
ENSG00000110400	NECTIN1	nectin cell adhesion molecule 1	5818	773.1032693	1.253630066	0.550159381	2.278667073	0.022686863	0.765556876	Not Sig
ENSG00000168754	FAM178B	family with sequence similarity 178 member B	51252	16.90621424	1.253838338	0.738500629	1.697816208	0.089542456	0.999371363	Not Sig
ENSG00000214856	NA	NA	NA	63.54616055	1.253934861	1.043189285	1.202020458	0.229355602	0.999371363	Not Sig
ENSG00000160606	TLCD1	TLC domain containing 1	116238	189.5262661	1.254211405	0.634687666	1.976108048	0.048142541	0.999371363	Not Sig
ENSG00000267472	NA	NA	NA	5.934259911	1.254236245	1.318583224	0.951199911	0.341502904	NA	NA
ENSG00000225745	NA	NA	NA	2.24408236	1.254641926	1.827825464	0.686412325	0.492453135	NA	NA
ENSG00000264211	MIR4492	microRNA 4492	100616376	1.364991564	1.257093998	2.373333477	0.529674405	0.596337697	NA	NA
ENSG00000126733	DACH2	dachshund family transcription factor 2	117154	6.894665467	1.257875848	1.355834144	0.927750532	0.35353699	0.999371363	Not Sig
ENSG00000154768	NA	NA	NA	4.869503867	1.258980701	1.348545906	0.933583867	0.350518591	NA	NA
ENSG00000183038	NA	NA	NA	3.122310276	1.259263295	1.935919475	0.650472972	0.515386755	NA	NA
ENSG00000271714	NA	NA	NA	2.208462961	1.259470241	1.691346867	0.744655201	0.456480188	NA	NA
ENSG00000175643	RMI2	RecQ mediated genome instability 2	116028	120.7975229	1.262524559	0.61949698	2.037983396	0.041551593	0.999371363	Not Sig
ENSG00000218233	NA	NA	NA	4.408079779	1.266178316	1.691107281	0.748727375	0.45402154	NA	NA
ENSG00000231360	NA	NA	NA	27.53473174	1.266613461	1.133697765	1.117240855	0.263891356	0.999371363	Not Sig
ENSG00000257277	NA	NA	NA	2.747148374	1.266729541	1.689944467	0.749568738	0.453514485	NA	NA
ENSG00000253741	LOC100288181	uncharacterized LOC100288181	100288181	13.47338691	1.266730897	1.052719605	1.203293727	0.228862676	0.999371363	Not Sig
ENSG00000223516	NA	NA	NA	1.919264708	1.268481001	2.200658089	0.576409851	0.564338188	NA	NA
ENSG00000226609	NA	NA	NA	4.198507696	1.268985555	1.256115239	1.010246122	0.312377387	NA	NA
ENSG00000269289	LOC100505851	uncharacterized LOC100505851	100505851	4.278636399	1.269155869	1.537496047	0.825469354	0.409105174	NA	NA
ENSG00000171408	PDE7B	phosphodiesterase 7B	27115	159.3812794	1.269982057	0.831762013	1.526857486	0.126796453	0.999371363	Not Sig
ENSG00000204659	CBY3	chibby family member 3	646019	1.253123055	1.271566875	2.43964138	0.52121057	0.602220092	NA	NA
ENSG00000264113	NA	NA	NA	1.377866635	1.274441913	2.370837843	0.537549169	0.590888331	NA	NA
ENSG00000084674	APOB	apolipoprotein B	338	17.2804842	1.274584337	0.915653271	1.391994521	0.163924057	0.999371363	Not Sig
ENSG00000254997	KRTAP5-9	keratin associated protein 5-9	3846	2.913490118	1.275058912	1.454490119	0.876636352	0.380684188	NA	NA
ENSG00000255833	TIFAB	TIFA inhibitor	497189	24.94882952	1.275455014	0.955165465	1.335323628	0.181770449	0.999371363	Not Sig
ENSG00000269554	NA	NA	NA	51.29984305	1.27570988	0.860589349	1.482367731	0.138242475	0.999371363	Not Sig
ENSG00000164621	SMAD5-AS1	SMAD5 antisense RNA 1	9597	1.727422214	1.277952658	2.599176492	0.491675984	0.622948419	NA	NA
ENSG00000160951	PTGER1	prostaglandin E receptor 1	5731	49.88465036	1.278755688	0.94687982	1.350494182	0.176857519	0.999371363	Not Sig

ENSG00000256799	NA	NA	NA	1.12168165	1.278909019	2.223588809	0.575155359	0.565186231	NA	NA
ENSG00000171495	MROH2B	maestro heat like repeat family member 2B	133558	1.115244114	1.280013127	2.527550747	0.506424304	0.612558817	NA	NA
ENSG00000228835	NA	NA	NA	1.115244114	1.280013127	2.527550747	0.506424304	0.612558817	NA	NA
ENSG00000184611	KCNH7	potassium voltage-gated channel subfamily H member 7	90134	1.653929527	1.281159357	2.251097525	0.569126545	0.569270265	NA	NA
ENSG00000185624	P4HB	prolyl 4-hydroxylase subunit beta	5034	21106.05981	1.281733891	0.505223664	2.536963294	0.011181868	0.523469371	Not Sig
ENSG00000238298	NA	NA	NA	4.08622418	1.284393451	1.28441489	0.999983309	0.317318586	NA	NA
ENSG00000242841	NA	NA	NA	1.989784445	1.285821431	2.22351205	0.578283995	0.563072398	NA	NA
ENSG00000174502	SLC26A9	solute carrier family 26 member 9	115019	788.7298206	1.286088398	0.925492678	1.389625688	0.164642571	0.999371363	Not Sig
ENSG00000266446	NA	NA	NA	17.52751904	1.286732055	1.042092703	1.234757763	0.216920671	0.999371363	Not Sig
ENSG00000006327	TNFRSF12A	TNF receptor superfamily member 12A	51330	1338.621412	1.286912937	0.640706086	2.008585473	0.044581113	0.999371363	Not Sig
ENSG00000100346	CACNA1I	calcium voltage-gated channel subunit alpha 1	8911	26.99239568	1.2869398	0.756755386	1.700602102	0.089017729	0.999371363	Not Sig
ENSG00000271631	NA	NA	NA	11.10238909	1.290037771	0.935660385	1.378745741	0.167973161	0.999371363	Not Sig
ENSG00000184961	NA	NA	NA	2.198593705	1.291173223	1.730430453	0.746157247	0.455572431	NA	NA
ENSG00000005187	ACSM3	acyl-CoA synthetase medium chain family member 3	6296	291.4152968	1.291420842	0.588099333	2.195922981	0.028097457	0.871505591	Not Sig
ENSG00000202310	NA	NA	NA	4.261870838	1.293793131	1.30027274	0.995016731	0.319728127	NA	NA
ENSG00000168878	SFTPB	surfactant protein B	6439	145270.885	1.294063519	0.882762627	1.465924677	0.142668808	0.999371363	Not Sig
ENSG00000249773	NA	NA	NA	4.041150533	1.294300945	1.272718157	1.016958027	0.309173397	NA	NA
ENSG00000134762	DSC3	desmocollin 3	1825	15.96280594	1.295295246	1.06906505	1.211614996	0.225659792	0.999371363	Not Sig
ENSG00000235335	NA	NA	NA	1.24642523	1.295576794	2.538222854	0.510426731	0.609752533	NA	NA
ENSG00000235802	NA	NA	NA	1.24642523	1.295576794	2.538222854	0.510426731	0.609752533	NA	NA
ENSG00000268790	NA	NA	NA	1.24642523	1.295576794	2.538222854	0.510426731	0.609752533	NA	NA
ENSG00000182985	CADM1	cell adhesion molecule 1	23705	3431.118985	1.295631017	0.670568485	1.932138246	0.053342445	0.999371363	Not Sig
ENSG00000168490	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein	9796	27.05459552	1.295732447	0.640060263	2.024391331	0.042929903	0.999371363	Not Sig
ENSG00000171357	LURAP1	leucine rich adaptor protein 1	541468	65.14598065	1.296316904	0.789808045	1.641306279	0.100733853	0.999371363	Not Sig
ENSG00000166432	ZMAT1	zinc finger matrin-type 1	84460	563.8878244	1.296407543	0.76313513	1.698791592	0.089358458	0.999371363	Not Sig
ENSG00000260442	ATP2A1-AS1	ATP2A1 antisense RNA 1	100289092	6.210822665	1.29754792	1.228856814	1.05589838	0.291014644	NA	NA
ENSG00000100612	DHRS7	dehydrogenase/reductase 7	51635	1380.448787	1.298973545	0.523618228	2.480764564	0.013110093	0.569294502	Not Sig
ENSG00000212434	NA	NA	NA	2.922795032	1.299583958	2.349902621	0.553037367	0.580237823	NA	NA
ENSG00000135338	LCA5	LCA5, lebercilin	167691	439.9736683	1.3004671	0.541880421	2.399915276	0.016398867	0.655590259	Not Sig
ENSG00000117308	GALE	UDP-galactose-4-epimerase	2582	1451.748115	1.300919663	0.705499938	1.843968501	0.065187731	0.999371363	Not Sig
ENSG00000232671	LOC100507670	uncharacterized LOC100507670	100507670	13.86522095	1.30093852	0.80116152	1.623815531	0.104415184	0.999371363	Not Sig
ENSG00000103485	QPRT	quinolinate phosphoribosyltransferase	23475	896.5622024	1.302387518	0.810788822	1.606321502	0.108203288	0.999371363	Not Sig
ENSG00000103485	LOC105369247	leukosialin	105369247	896.5622024	1.302387518	0.810788822	1.606321502	0.108203288	0.999371363	Not Sig
ENSG00000185899	TAS2R60	taste 2 receptor member 60	338398	5.978965025	1.30549412	1.349543116	0.967360068	0.333364065	NA	NA
ENSG00000187486	KCNJ11	potassium voltage-gated channel subfamily J member 11	3767	100.5983776	1.30770073	0.799516796	1.635613832	0.101920434	0.999371363	Not Sig

ENSG00000158014	SLC30A2	solute carrier family 30 member 2	7780	9.184349776	1.307773099	1.366965797	0.956697747	0.338719836	0.999371363	Not Sig
ENSG00000229162	NA	NA	NA	3.277349068	1.307786426	1.680280959	0.778314138	0.436383843	NA	NA
ENSG00000125844	RRBP1	ribosome binding protein 1	6238	11917.92752	1.308681451	0.56041534	2.335199195	0.019533017	0.709667191	Not Sig
ENSG00000123836	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2	5208	1648.723296	1.309744541	0.550939653	2.3772922	0.017440267	0.670000634	Not Sig
ENSG00000227857	LOC101929626	uncharacterized LOC101929626	101929626	2.291398999	1.309830205	1.790969491	0.731352606	0.464563806	NA	NA
ENSG00000226478	NA	NA	NA	1.134556721	1.310338687	2.521588023	0.519648204	0.603308794	NA	NA
ENSG00000169885	CALML6	calmodulin like 6	163688	10.52463088	1.310707484	1.114229661	1.176335121	0.239460986	0.999371363	Not Sig
ENSG00000082014	SMARCD3	<small>SMR/SM related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 3</small>	6604	762.2299149	1.31589028	0.735323587	1.789539059	0.073528043	0.999371363	Not Sig
ENSG00000079841	RIMS1	regulating synaptic membrane exocytosis 1	22999	154.2267468	1.316888132	0.963342269	1.366999221	0.17162555	0.999371363	Not Sig
ENSG00000228445	NA	NA	NA	2.233494044	1.317573741	1.730958741	0.761181482	0.446548677	NA	NA
ENSG00000212049	NA	NA	NA	3.998517401	1.319545254	1.601237298	0.824078515	0.409894947	NA	NA
ENSG00000234130	NA	NA	NA	1.281585858	1.319868568	2.19488726	0.601337751	0.54761505	NA	NA
ENSG00000105647	PIK3R2	phosphoinositide-3-kinase regulatory subunit 2	5296	2.486507598	1.320253654	2.009280847	0.657077708	0.511130952	NA	NA
ENSG00000162670	BRINP3	BMP/retinoic acid inducible neural specific 3	339479	34.17334322	1.32312938	1.035979989	1.277176581	0.201539913	0.999371363	Not Sig
ENSG00000077274	CAPN6	calpain 6	827	108.1515912	1.324618659	1.477483338	0.896537122	0.369965963	0.999371363	Not Sig
ENSG00000237515	SHISA9	shisa family member 9	729993	1.615138698	1.326968426	2.592731993	0.51180316	0.608788779	NA	NA
ENSG00000135903	PAX3	paired box 3	5077	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000174576	NPAS4	neuronal PAS domain protein 4	266743	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000200605	NA	NA	NA	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000201913	NA	NA	NA	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000216076	NA	NA	NA	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000235044	NA	NA	NA	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000235426	NA	NA	NA	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000237991	NA	NA	NA	0.679277014	1.327406803	3.378246565	0.392927744	0.694372849	NA	NA
ENSG00000225681	NA	NA	NA	0.637209182	1.32741336	3.445660606	0.385242051	0.700058091	NA	NA
ENSG00000232474	NA	NA	NA	0.637209182	1.32741336	3.445660606	0.385242051	0.700058091	NA	NA
ENSG00000238834	NA	NA	NA	0.637209182	1.32741336	3.445660606	0.385242051	0.700058091	NA	NA
ENSG00000256364	NA	NA	NA	0.637209182	1.32741336	3.445660606	0.385242051	0.700058091	NA	NA
ENSG00000260614	NA	NA	NA	0.637209182	1.32741336	3.445660606	0.385242051	0.700058091	NA	NA
ENSG00000266007	NA	NA	NA	0.637209182	1.32741336	3.445660606	0.385242051	0.700058091	NA	NA
ENSG00000231329	NA	NA	NA	0.620902391	1.327416005	3.473592308	0.382145021	0.702353799	NA	NA
ENSG00000236866	LOC100996263	uncharacterized LOC100996263	100996263	0.620902391	1.327416005	3.473592308	0.382145021	0.702353799	NA	NA
ENSG00000241255	NA	NA	NA	0.620902391	1.327416005	3.473592308	0.382145021	0.702353799	NA	NA
ENSG00000271410	NA	NA	NA	0.620902391	1.327416005	3.473592308	0.382145021	0.702353799	NA	NA
ENSG00000036672	USP2	ubiquitin specific peptidase 2	9099	112.8278494	1.327746664	1.012710466	1.311082197	0.189829995	0.999371363	Not Sig

ENSG00000132681	ATP1A4	ATPase Na ⁺ /K ⁺ transporting subunit alpha 4	480	7.026728083	1.329559168	1.012319962	1.313378395	0.189055474	0.999371363	Not Sig
ENSG00000266701	NA	NA	NA	1.288023394	1.330939458	2.142478612	0.621214817	0.534458292	NA	NA
ENSG00000112297	CRYBG1	crystallin beta-gamma domain containing 1	202	1953.443874	1.331261908	0.441269506	3.016890786	0.002553818	0.21877708	Not Sig
ENSG00000241963	NA	NA	NA	10.37515033	1.333963797	0.863231597	1.545313913	0.122270352	0.999371363	Not Sig
ENSG00000272414	FAM47E-STBD1	FAM47E-STBD1 readthrough	100631383	2.893447553	1.335481764	1.55468326	0.859005688	0.390337378	NA	NA
ENSG00000130595	TNNT3	troponin T3, fast skeletal type	7140	20.44004657	1.339096141	0.97408543	1.374721457	0.169217816	0.999371363	Not Sig
ENSG00000121957	GPSM2	G protein signaling modulator 2	29899	655.2679881	1.339389182	0.74707769	1.792837879	0.072998851	0.999371363	Not Sig
ENSG00000231484	NA	NA	NA	1.163019524	1.339660731	2.251961488	0.594886164	0.551919567	NA	NA
ENSG00000166736	HTR3A	5-hydroxytryptamine receptor 3A	3359	16.33489436	1.340487508	1.351629884	0.991756341	0.3213164	0.999371363	Not Sig
ENSG00000132623	ANKF1	ankyrin repeat and EF-hand domain containing 1	63926	259.424995	1.340497677	0.508847222	2.63438144	0.008429074	0.459512221	Not Sig
ENSG00000147223	RIPPLY1	rippy transcriptional repressor 1	92129	1.156581988	1.342349764	2.514760736	0.533788263	0.593488035	NA	NA
ENSG00000248569	NA	NA	NA	1.307336	1.343399258	2.501772697	0.536978943	0.591282159	NA	NA
ENSG00000222999	NA	NA	NA	0.68571455	1.343954924	2.907054556	0.462308119	0.643860378	NA	NA
ENSG00000229631	NA	NA	NA	0.68571455	1.343954924	2.907054556	0.462308119	0.643860378	NA	NA
ENSG00000230199	NA	NA	NA	0.68571455	1.343954924	2.907054556	0.462308119	0.643860378	NA	NA
ENSG00000238300	SNORD121B	small nucleolar RNA, C/D box 121B	101340252	0.68571455	1.343954924	2.907054556	0.462308119	0.643860378	NA	NA
ENSG00000272742	NA	NA	NA	0.68571455	1.343954924	2.907054556	0.462308119	0.643860378	NA	NA
ENSG00000207931	MIR577	microRNA 577	693162	0.643646718	1.344074271	2.956813741	0.454568461	0.649419729	NA	NA
ENSG00000220694	NA	NA	NA	0.643646718	1.344074271	2.956813741	0.454568461	0.649419729	NA	NA
ENSG00000237263	NA	NA	NA	0.643646718	1.344074271	2.956813741	0.454568461	0.649419729	NA	NA
ENSG00000255850	TMEM5-AS1	TMEM5 antisense RNA 1	104169670	0.643646718	1.344074271	2.956813741	0.454568461	0.649419729	NA	NA
ENSG00000261864	NA	NA	NA	0.643646718	1.344074271	2.956813741	0.454568461	0.649419729	NA	NA
ENSG00000270759	NA	NA	NA	0.643646718	1.344074271	2.956813741	0.454568461	0.649419729	NA	NA
ENSG00000137252	HCRTR2	hypocretin receptor 2	3062	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000182798	MAGEB17	MAGE family member B17	645864	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000197403	OR6N1	olfactory receptor family 6 subfamily N member 1	128372	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000231684	NA	NA	NA	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000237938	NA	NA	NA	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000249646	NA	NA	NA	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000255929	LOC105369438	uncharacterized LOC105369438	105369438	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000259745	NA	NA	NA	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000267417	NA	NA	NA	0.627339926	1.344121752	2.977414049	0.451439313	0.651672955	NA	NA
ENSG00000185332	TMEM105	transmembrane protein 105	284186	70.66370497	1.34525178	0.776281737	1.732942712	0.083105852	0.999371363	Not Sig
ENSG00000073150	PANX2	pannexin 2	56666	382.388635	1.345319257	0.923954793	1.45604446	0.145380329	0.999371363	Not Sig
ENSG00000211854	NA	NA	NA	4.64318819	1.34633293	1.376015733	0.978428443	0.327862467	NA	NA

ENSG00000102962	CCL22	C-C motif chemokine ligand 22	6367	294.1034548	1.346628928	0.788911951	1.706944515	0.087832366	0.999371363	Not Sig
ENSG00000235098	ANKRD65	ankyrin repeat domain 65	441869	644.5577828	1.347035562	0.680684147	1.978943637	0.047822352	0.999371363	Not Sig
ENSG00000231119	LOC101927377	uncharacterized LOC101927377	101927377	17.63047914	1.347073327	0.969735492	1.389114185	0.164798031	0.999371363	Not Sig
ENSG00000259663	LOC642366	uncharacterized LOC642366	642366	2.230322613	1.347255545	2.058766801	0.654399296	0.512854588	NA	NA
ENSG00000213539	NA	NA	NA	1.258841531	1.347831559	2.514796002	0.535960594	0.591985785	NA	NA
ENSG00000259349	NA	NA	NA	10.81913356	1.34902073	0.931376464	1.448416169	0.147500696	0.999371363	Not Sig
ENSG00000159348	CYB5R1	cytochrome b5 reductase 1	51706	1372.949605	1.34926109	0.569690418	2.368411066	0.017864675	0.674897979	Not Sig
ENSG00000108379	WNT3	Wnt family member 3	7473	177.0765222	1.349391676	0.702867318	1.919838412	0.054878313	0.999371363	Not Sig
ENSG00000108379	LOC101929777	uncharacterized LOC101929777	101929777	177.0765222	1.349391676	0.702867318	1.919838412	0.054878313	0.999371363	Not Sig
ENSG00000156006	NAT2	N-acetyltransferase 2	10	1.111812394	1.349982529	2.493190643	0.541467831	0.588185165	NA	NA
ENSG00000213304	NA	NA	NA	1.111812394	1.349982529	2.493190643	0.541467831	0.588185165	NA	NA
ENSG00000213328	NA	NA	NA	1.111812394	1.349982529	2.493190643	0.541467831	0.588185165	NA	NA
ENSG00000233543	NA	NA	NA	1.111812394	1.349982529	2.493190643	0.541467831	0.588185165	NA	NA
ENSG00000224389	C4B	complement C4B (Chido blood group)	721	2400.653308	1.351200687	1.202633911	1.123534497	0.261210558	0.999371363	Not Sig
ENSG00000083720	OXCT1	3-oxoacid CoA-transferase 1	5019	460.8698188	1.351720588	0.716757959	1.885881519	0.059310923	0.999371363	Not Sig
ENSG00000007216	SLC13A2	solute carrier family 13 member 2	9058	13.76245906	1.352217937	1.65550615	0.816800311	0.414042555	0.999371363	Not Sig
ENSG00000258544	NA	NA	NA	1.912357505	1.35231734	2.213844995	0.610845539	0.541301842	NA	NA
ENSG00000168356	SCN11A	sodium voltage-gated channel alpha subunit 11	11280	15.65724373	1.354202249	0.911679493	1.485392904	0.137439774	0.999371363	Not Sig
ENSG00000260352	NA	NA	NA	6.785858684	1.355493253	1.157032383	1.171525769	0.241387506	0.999371363	Not Sig
ENSG00000271021	NA	NA	NA	3.146200818	1.35571928	1.507112732	0.89954736	0.368361181	NA	NA
ENSG00000162174	ASRGL1	asparaginase like 1	80150	833.262287	1.355731056	0.855181156	1.585314465	0.112894904	0.999371363	Not Sig
ENSG00000221681	NA	NA	NA	3.415367404	1.356167398	1.484576562	0.913504519	0.360977258	NA	NA
ENSG00000101890	GUCY2F	guanylate cyclase 2F, retinal	2986	2.527845472	1.35632446	1.760914409	0.77023872	0.4411583	NA	NA
ENSG00000100583	SAMD15	sterile alpha motif domain containing 15	161394	55.75907489	1.356362665	0.631278427	2.148596571	0.031666394	0.916723899	Not Sig
ENSG00000165905	LARGE2	LARGE xylosyl- and glucuronyltransferase 2	120071	375.1666837	1.356403268	0.684458662	1.981716857	0.04751094	0.999371363	Not Sig
ENSG00000100842	EFS	embryonal Fyn-associated substrate	10278	522.8370073	1.357544088	0.879100298	1.544242552	0.122529584	0.999371363	Not Sig
ENSG00000103154	NECAB2	N-terminal EF-hand calcium binding protein 2	54550	5.093762714	1.35759104	1.375757407	0.98679537	0.323742965	NA	NA
ENSG00000176732	PFN4	profilin family member 4	375189	21.20600861	1.358417417	0.764094256	1.777813936	0.075434419	0.999371363	Not Sig
ENSG00000006007	GDE1	glycerophosphodiester phosphodiesterase 1	51573	2143.795395	1.358471456	0.43940418	3.091621606	0.001990664	0.182981277	Not Sig
ENSG00000273174	NA	NA	NA	10.36053956	1.358601909	1.44485254	0.94030489	0.347061192	0.999371363	Not Sig
ENSG00000111783	RFX4	regulatory factor X4	5992	1.659648003	1.359115852	2.628773305	0.517015237	0.605145523	NA	NA
ENSG00000253326	NA	NA	NA	2.718925144	1.35946836	2.093342953	0.649424576	0.516063983	NA	NA
ENSG00000223446	NA	NA	NA	1.838864818	1.35985026	1.925107927	0.706376116	0.47995427	NA	NA
ENSG00000092445	TYRO3	TYRO3 protein tyrosine kinase	7301	406.4278106	1.361579686	0.698524143	1.949223517	0.051268738	0.999371363	Not Sig
ENSG00000235005	NA	NA	NA	1.16945706	1.361945314	2.511057217	0.542379244	0.587557275	NA	NA

ENSG00000207943	MIR634	microRNA 634	693219	0.692152085	1.362123755	3.364083358	0.404901903	0.685549619	NA	NA
ENSG00000250645	NA	NA	NA	0.692152085	1.362123755	3.364083358	0.404901903	0.685549619	NA	NA
ENSG00000263271	NA	NA	NA	0.692152085	1.362123755	3.364083358	0.404901903	0.685549619	NA	NA
ENSG00000268366	NA	NA	NA	0.692152085	1.362123755	3.364083358	0.404901903	0.685549619	NA	NA
ENSG00000138829	FBN2	fibrillin 2	2201	88.08459963	1.36214394	0.936187763	1.454990114	0.145671998	0.999371363	Not Sig
ENSG00000168748	CA7	carbonic anhydrase 7	766	0.650084254	1.362307032	3.429597133	0.397220717	0.691204706	NA	NA
ENSG00000235214	FAM83C-AS1	FAM83C antisense RNA 1	140846	0.650084254	1.362307032	3.429597133	0.397220717	0.691204706	NA	NA
ENSG00000202216	NA	NA	NA	0.633777462	1.362379517	3.456703966	0.394126755	0.693487459	NA	NA
ENSG00000240034	NA	NA	NA	0.633777462	1.362379517	3.456703966	0.394126755	0.693487459	NA	NA
ENSG00000259367	NA	NA	NA	0.633777462	1.362379517	3.456703966	0.394126755	0.693487459	NA	NA
ENSG00000260830	NA	NA	NA	0.633777462	1.362379517	3.456703966	0.394126755	0.693487459	NA	NA
ENSG00000260651	NA	NA	NA	2.617124371	1.364811048	1.637698192	0.83337153	0.404635226	NA	NA
ENSG00000167754	KLK5	kallikrein related peptidase 5	25818	2.190860912	1.365941608	2.503156823	0.545687588	0.585280706	NA	NA
ENSG00000111837	MAK	male germ cell associated kinase	4117	51.13639201	1.366704511	0.66492939	2.055413	0.039839131	0.999371363	Not Sig
ENSG00000197549	PRAMENP	PRAME N-terminal-like, pseudogene	649179	1.947716613	1.367011721	2.225811411	0.614163318	0.539107411	NA	NA
ENSG00000162643	WDR63	WD repeat domain 63	126820	59.42443394	1.36895031	0.746092855	1.834825653	0.066531526	0.999371363	Not Sig
ENSG00000229875	NA	NA	NA	3.72204046	1.369906357	1.444025846	0.948671633	0.342787646	NA	NA
ENSG00000255450	NA	NA	NA	1.22066419	1.372831301	2.905313062	0.472524396	0.636552532	NA	NA
ENSG00000196656	NA	NA	NA	6.205979217	1.373293514	1.250230133	1.098432583	0.272015641	NA	NA
ENSG00000137501	SYTL2	synaptotagmin like 2	54843	1638.482961	1.373643245	0.43269748	3.174604219	0.00150041	0.148776874	Not Sig
ENSG00000182531	NA	NA	NA	1.829410569	1.376505207	2.183054677	0.630540875	0.528340768	NA	NA
ENSG00000228919	NA	NA	NA	4.568517672	1.376692458	1.369709509	1.005098124	0.314849603	NA	NA
ENSG00000254559	NA	NA	NA	1.118249929	1.376740972	2.900879201	0.474594382	0.635076111	NA	NA
ENSG00000265181	MIR4674	microRNA 4674	100616301	1.118249929	1.376740972	2.900879201	0.474594382	0.635076111	NA	NA
ENSG00000220032	NA	NA	NA	4.107508592	1.377574023	1.413807742	0.974371537	0.329872096	NA	NA
ENSG00000273199	NA	NA	NA	7.92604193	1.37865264	1.357989605	1.015215901	0.310002922	0.999371363	Not Sig
ENSG00000017373	NA	NA	NA	253.8869048	1.379931104	0.841145553	1.640537835	0.100893388	0.999371363	Not Sig
ENSG00000259940	NA	NA	NA	11.37435444	1.380886461	0.884127478	1.561863527	0.118320142	0.999371363	Not Sig
ENSG00000264329	NA	NA	NA	1.278154138	1.383391763	2.14590649	0.644665445	0.519144014	NA	NA
ENSG00000230833	NA	NA	NA	6.272160591	1.384526578	1.078777664	1.283421621	0.199344403	NA	NA
ENSG00000271730	NA	NA	NA	2.476074	1.384709235	1.537545777	0.900597078	0.367802589	NA	NA
ENSG00000183395	PMCH	pro-melanin concentrating hormone	5367	1.211055223	1.385324696	2.811856257	0.492672658	0.6222439	NA	NA
ENSG00000197982	Clorf122	chromosome 1 open reading frame 122	127687	735.5129768	1.38694567	0.611843424	2.266831049	0.023400549	0.779584944	Not Sig
ENSG00000154118	JPH3	junctophilin 3	57338	10.73145698	1.389436572	1.194778694	1.162923794	0.244860423	0.999371363	Not Sig
ENSG00000137877	SPTBN5	spectrin beta, non-erythrocytic 5	51332	307.7684789	1.389830165	0.699365103	1.987274114	0.046892029	0.999371363	Not Sig

ENSG00000219027	NA	NA	NA	1.342236339	1.390903135	2.433819197	0.571489919	0.567667592	NA	NA
ENSG00000223001	NA	NA	NA	1.217492759	1.394826321	2.824546886	0.493823037	0.621431162	NA	NA
ENSG00000255920	NA	NA	NA	4.616293082	1.395113006	1.373187831	1.015966625	0.30964528	NA	NA
ENSG00000164588	HCN1	hyperpolarization activated cyclic nucleotide gated potassium channel 1	348980	6.388712607	1.395373345	1.462527479	0.954083506	0.340041374	NA	NA
ENSG00000236157	NA	NA	NA	4.053130031	1.395624113	1.794861809	0.777566332	0.436824716	NA	NA
ENSG00000183303	OR5P2	olfactory receptor family 5 subfamily P member 2	120065	5.567753395	1.397021791	1.750131679	0.798238103	0.42473233	NA	NA
ENSG00000259556	NA	NA	NA	3.715592026	1.398577387	1.302581977	1.073696252	0.282958842	NA	NA
ENSG00000102048	ASB9	ankyrin repeat and SOCS box containing 9	140462	188.2507373	1.399112898	0.851419667	1.643270589	0.100326961	0.999371363	Not Sig
ENSG00000166819	PLIN1	perilipin 1	5346	17.02068197	1.401131396	1.238569969	1.131249288	0.257950182	0.999371363	Not Sig
ENSG00000174572	NA	NA	NA	1.960132914	1.401550085	1.895521257	0.73940088	0.459663608	NA	NA
ENSG00000183773	AIFM3	apoptosis inducing factor, mitochondria associated 3	150209	76.57102266	1.401946981	0.843761453	1.661544237	0.096604192	0.999371363	Not Sig
ENSG00000236708	NA	NA	NA	2.392928584	1.403437841	2.04773289	0.685361771	0.493115661	NA	NA
ENSG00000221748	NA	NA	NA	6.646332245	1.404916093	1.112545039	1.262794802	0.206662933	0.999371363	Not Sig
ENSG00000189433	GJB4	gap junction protein beta 4	127534	3.668109771	1.405075701	1.472416358	0.954265207	0.339949415	NA	NA
ENSG00000165238	WNK2	WNK lysine deficient protein kinase 2	65268	417.5461799	1.405573799	0.994593727	1.413214021	0.157592805	0.999371363	Not Sig
ENSG00000165182	CXorf58	chromosome X open reading frame 58	254158	3.257599659	1.405593169	1.378229078	1.01985453	0.307797457	NA	NA
ENSG00000186919	ZACN	zinc activated ion channel	353174	3.546078852	1.406194689	1.456264766	0.965617463	0.334235634	NA	NA
ENSG00000267178	NA	NA	NA	4.471107253	1.407226495	1.247887534	1.127686956	0.259452148	NA	NA
ENSG00000100146	SOX10	SRY-box 10	6663	2.328586093	1.409219756	1.735661435	0.811920878	0.416837034	NA	NA
ENSG00000188375	H3F3C	H3 histone family member 3C	440093	6.12787698	1.410000773	1.156579583	1.219112627	0.222801448	NA	NA
ENSG00000266125	NA	NA	NA	1.35782407	1.410444891	2.415158467	0.583996831	0.559222444	NA	NA
ENSG00000242908	NA	NA	NA	9.453910824	1.411136388	1.234074152	1.143477794	0.252840269	0.999371363	Not Sig
ENSG00000171236	LRG1	leucine rich alpha-2-glycoprotein 1	116844	911.5730665	1.413830221	0.728165599	1.941632813	0.052181568	0.999371363	Not Sig
ENSG00000223513	NA	NA	NA	2.392668294	1.414282637	1.654812624	0.854648204	0.392745933	NA	NA
ENSG00000174527	MYO1H	myosin IH	283446	6.508042722	1.414872318	1.023531472	1.382343736	0.166866183	NA	NA
ENSG00000118307	CASC1	cancer susceptibility 1	55259	81.93826692	1.414975333	0.714930813	1.979177997	0.047795969	0.999371363	Not Sig
ENSG00000213120	NA	NA	NA	1.870593725	1.415976405	1.898183963	0.745963739	0.45568932	NA	NA
ENSG00000210164	NA	NA	NA	1.233080491	1.416514299	2.879837995	0.491872911	0.622809189	NA	NA
ENSG00000182557	SPNS3	sphingolipid transporter 3 (putative)	201305	27.58469382	1.417064792	0.772092976	1.835355114	0.06645309	0.999371363	Not Sig
ENSG00000259319	NA	NA	NA	88.61543567	1.417310268	0.700458419	2.023403858	0.043031527	0.999371363	Not Sig
ENSG00000264312	NA	NA	NA	2.899000413	1.418357277	1.632589566	0.868777619	0.384968777	NA	NA
ENSG00000234558	NA	NA	NA	1.30661694	1.418404601	2.141753816	0.662263137	0.507802597	NA	NA
ENSG00000259845	NA	NA	NA	7.653992632	1.42073694	1.182523181	1.201445319	0.229578506	0.999371363	Not Sig
ENSG00000239920	NA	NA	NA	6.15603573	1.421222449	1.098332956	1.29398143	0.195671835	NA	NA
ENSG00000173198	CYSLTR1	cysteinyl leukotriene receptor 1	10800	188.2154794	1.421643426	0.834116338	1.704370674	0.088311859	0.999371363	Not Sig

ENSG00000152953	STK32B	serine/threonine kinase 32B	55351	102.0956116	1.42308507	0.968582878	1.469244503	0.141766484	0.999371363	Not Sig
ENSG00000205116	TMEM88B	transmembrane protein 88B	643965	48.00783889	1.42440393	0.999509328	1.425103188	0.154127375	0.999371363	Not Sig
ENSG00000179431	FJX1	four jointed box 1	24147	142.2480211	1.42453544	0.72845221	1.955564718	0.050516453	0.999371363	Not Sig
ENSG00000174912	NA	NA	NA	6.64218589	1.425813401	1.101797674	1.294079153	0.195638082	0.999371363	Not Sig
ENSG00000253852	NA	NA	NA	1.188310896	1.426562615	2.476411473	0.576060413	0.564574348	NA	NA
ENSG00000272568	LOC100506497	uncharacterized LOC100506497	100506497	11.12182435	1.427145303	1.157043429	1.233441431	0.217411115	0.999371363	Not Sig
ENSG00000255986	MT1JP	metallothionein 1J, pseudogene	4498	4.539628964	1.428006363	1.788517258	0.798430296	0.424620828	NA	NA
ENSG00000250602	NA	NA	NA	1.84156658	1.428681901	1.950492495	0.732472391	0.463880288	NA	NA
ENSG00000167355	NA	NA	NA	3.593759587	1.42933109	1.915435108	0.746217444	0.455536072	NA	NA
ENSG00000234038	NA	NA	NA	1.245955562	1.432407301	2.403895371	0.595869237	0.551262586	NA	NA
ENSG00000250309	NA	NA	NA	1.245955562	1.432407301	2.403895371	0.595869237	0.551262586	NA	NA
ENSG00000257674	NA	NA	NA	1.245955562	1.432407301	2.403895371	0.595869237	0.551262586	NA	NA
ENSG00000180697	C3orf22	chromosome 3 open reading frame 22	152065	0.720614888	1.433523707	3.332313538	0.430188724	0.667058364	NA	NA
ENSG00000253629	NA	NA	NA	0.720614888	1.433523707	3.332313538	0.430188724	0.667058364	NA	NA
ENSG00000157021	NA	NA	NA	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000212710	CTAGE1	cutaneous T-cell lymphoma-associated antigen 1	64693	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000232944	NA	NA	NA	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000240774	NA	NA	NA	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000251747	NA	NA	NA	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000252957	NA	NA	NA	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000268117	NA	NA	NA	0.678547056	1.434130585	3.393892151	0.422562215	0.672614699	NA	NA
ENSG00000181819	NA	NA	NA	0.662240265	1.434370587	3.419301427	0.41949229	0.674856388	NA	NA
ENSG00000266657	NA	NA	NA	0.662240265	1.434370587	3.419301427	0.41949229	0.674856388	NA	NA
ENSG00000233084	NA	NA	NA	2.440703994	1.434549294	1.763076041	0.813662747	0.415838181	NA	NA
ENSG00000258555	SPECC1L-ADORA2A	SPECC1L-ADORA2A readthrough (NMD candidate)	101730217	2.539437141	1.434746622	1.825661671	0.785877605	0.431939196	NA	NA
ENSG00000221030	NA	NA	NA	1.194748432	1.435488356	2.459012656	0.583766152	0.559377654	NA	NA
ENSG00000249930	NA	NA	NA	3.26975567	1.437779775	1.360621199	1.056708344	0.290644716	NA	NA
ENSG00000225578	NCBP2-AS1	NCBP2 antisense RNA 1	100874001	3.897814656	1.43849879	1.306822931	1.100760291	0.271000998	NA	NA
ENSG00000174403	NA	NA	NA	10.10356917	1.438912523	1.230037739	1.169811687	0.242076759	0.999371363	Not Sig
ENSG00000204334	ERICH2	glutamate rich 2	285141	69.58958575	1.439511891	0.754303426	1.908398983	0.056339668	0.999371363	Not Sig
ENSG00000244245	NA	NA	NA	2.674144651	1.442094735	1.572326577	0.917172524	0.359052242	NA	NA
ENSG00000161798	AQP5	aquaporin 5	362	2013.446616	1.442105383	1.357374989	1.062422245	0.288044039	0.999371363	Not Sig
ENSG00000229899	NA	NA	NA	16.30636095	1.443306133	0.94781725	1.522768374	0.127816665	0.999371363	Not Sig
ENSG00000211800	NA	NA	NA	5.069774998	1.443879063	1.358165606	1.063109724	0.287732195	NA	NA
ENSG00000202077	NA	NA	NA	40.32609832	1.445821736	1.160111359	1.246278407	0.212662202	0.999371363	Not Sig

ENSG00000159212	CLIC6	chloride intracellular channel 6	54102	2335.430516	1.446870212	0.903272449	1.601809303	0.109197785	0.999371363	Not Sig
ENSG00000225674	NA	NA	NA	2.402371935	1.449826739	2.006893938	0.722423199	0.470034328	NA	NA
ENSG00000267783	NA	NA	NA	1.258830633	1.450512307	2.456163245	0.59056022	0.554815125	NA	NA
ENSG00000156097	GPR61	G protein-coupled receptor 61	83873	0.684984592	1.450584275	3.386238082	0.42837634	0.668377148	NA	NA
ENSG00000224533	TMLHE-AS1	TMLHE antisense RNA 1	100507404	0.684984592	1.450584275	3.386238082	0.42837634	0.668377148	NA	NA
ENSG00000224533	LOC101927830	uncharacterized LOC101927830	101927830	0.684984592	1.450584275	3.386238082	0.42837634	0.668377148	NA	NA
ENSG00000226510	UPK1A-AS1	UPK1A antisense RNA 1	100862728	0.684984592	1.450584275	3.386238082	0.42837634	0.668377148	NA	NA
ENSG00000236888	NA	NA	NA	0.684984592	1.450584275	3.386238082	0.42837634	0.668377148	NA	NA
ENSG00000267515	NA	NA	NA	0.684984592	1.450584275	3.386238082	0.42837634	0.668377148	NA	NA
ENSG00000175121	WFDC5	WAP four-disulfide core domain 5	149708	0.6686778	1.450848136	3.411286595	0.425308193	0.670612022	NA	NA
ENSG00000205822	NA	NA	NA	0.6686778	1.450848136	3.411286595	0.425308193	0.670612022	NA	NA
ENSG00000223491	NA	NA	NA	0.6686778	1.450848136	3.411286595	0.425308193	0.670612022	NA	NA
ENSG00000223534	HLA-DQB1-AS1	HLA-DQB1 antisense RNA 1	106480429	0.6686778	1.450848136	3.411286595	0.425308193	0.670612022	NA	NA
ENSG00000248725	NA	NA	NA	0.6686778	1.450848136	3.411286595	0.425308193	0.670612022	NA	NA
ENSG00000265747	NA	NA	NA	0.6686778	1.450848136	3.411286595	0.425308193	0.670612022	NA	NA
ENSG00000268833	NA	NA	NA	6.351643113	1.452256126	1.378151078	1.053771353	0.291987612	NA	NA
ENSG00000145824	CXCL14	C-X-C motif chemokine ligand 14	9547	542.4682731	1.452402895	1.012336095	1.434704246	0.151371394	0.999371363	Not Sig
ENSG00000246877	NA	NA	NA	14.72665679	1.453198407	1.154246852	1.259001403	0.208029825	0.999371363	Not Sig
ENSG00000175746	C15orf54	chromosome 15 open reading frame 54 (putative)	400360	2.725091492	1.454656252	1.541132379	0.943887931	0.34522692	NA	NA
ENSG00000226580	NA	NA	NA	5.376491816	1.455348469	1.157392167	1.257437634	0.208595209	NA	NA
ENSG00000259538	NA	NA	NA	1.969576265	1.456332546	1.74208989	0.835968657	0.403172536	NA	NA
ENSG00000200169	RNU5D-1	RNA, U5D small nuclear 1	26830	77.34206784	1.457398936	0.838120958	1.738888549	0.082054369	0.999371363	Not Sig
ENSG00000234006	DDX39B-AS1	DDX39B antisense RNA 1	106478957	2.731529027	1.457644714	1.597071961	0.912698206	0.361401288	NA	NA
ENSG00000203562	NA	NA	NA	1.341517279	1.45879703	2.419425038	0.602951944	0.546540659	NA	NA
ENSG00000179750	APOBEC3B	apolipoprotein B mRNA editing enzyme catalytic subunit 3B	9582	55.08667681	1.458890494	0.652645571	2.2353488	0.025394459	0.822088476	Not Sig
ENSG00000109062	SLC9A3R1	SLC9A3 regulator 1	9368	1941.762034	1.459634209	0.703218909	2.075646985	0.037926613	0.999371363	Not Sig
ENSG00000153930	ANKFN1	ankyrin repeat and fibronectin type III domain containing 1	162282	122.1987928	1.462300991	0.772472773	1.893012987	0.058356142	0.999371363	Not Sig
ENSG00000180336	MEIOC	meiosis specific with coiled-coil domain	284071	1.399161945	1.462622223	2.421632127	0.603982003	0.545855607	NA	NA
ENSG00000179580	RNF151	ring finger protein 151	146310	1.265268169	1.462817488	2.866885532	0.510246214	0.609878979	NA	NA
ENSG00000241566	NA	NA	NA	5.325179114	1.463115999	1.279240247	1.143738249	0.252732206	NA	NA
ENSG00000196208	GREB1	growth regulation by estrogen in breast cancer 1	9687	229.4599992	1.465279368	0.903093641	1.622511002	0.104693979	0.999371363	Not Sig
ENSG00000263742	MIR3165	microRNA 3165	100422953	1.216773699	1.46615012	2.529548704	0.579609366	0.562178076	NA	NA
ENSG00000239475	NA	NA	NA	5.043548039	1.466639176	1.464900836	1.00118666	0.316736574	NA	NA
ENSG00000237223	SULT1C2P1	sulfotransferase family 1C member 2 pseudogene 1	151234	9.207148473	1.466872316	1.033877481	1.418806718	0.155955373	0.999371363	Not Sig
ENSG00000263820	NA	NA	NA	1.223211235	1.468069421	2.212516839	0.663529152	0.506991716	NA	NA

ENSG00000168679	SLC16A4	solute carrier family 16 member 4	9122	498.3370678	1.468541627	0.767076203	1.914466413	0.055560587	0.999371363	Not Sig
ENSG00000252576	NA	NA	NA	1.818822253	1.469028808	2.207611944	0.665437969	0.505770407	NA	NA
ENSG00000176029	C11orf16	chromosome 11 open reading frame 16	56673	99.68321271	1.470364713	1.183696214	1.242180803	0.214169861	0.999371363	Not Sig
ENSG00000243232	PCDHAC2	protocadherin alpha subfamily C, 2	56134	242.8595768	1.472040749	0.618656783	2.379414224	0.017340178	0.670000634	Not Sig
ENSG00000260571	NA	NA	NA	9.256716279	1.472457339	0.947873205	1.553432813	0.120319769	0.999371363	Not Sig
ENSG00000202140	NA	NA	NA	3.333273529	1.47353085	2.010391925	0.732957008	0.463584652	NA	NA
ENSG00000215003	NA	NA	NA	1.22964877	1.47519644	2.159550283	0.683103539	0.494541419	NA	NA
ENSG00000181123	LOC107985579	uncharacterized LOC107985579	107985579	5.189088832	1.476128056	2.101792023	0.702318802	0.48248037	NA	NA
ENSG00000154928	EPHB1	EPH receptor B1	2047	75.41240598	1.477480427	0.759516776	1.945290048	0.051740079	0.999371363	Not Sig
ENSG00000115353	TACR1	tachykinin receptor 1	6869	35.79930587	1.480483725	0.929026385	1.593586306	0.111028724	0.999371363	Not Sig
ENSG00000096433	ITPR3	inositol 1,4,5-trisphosphate receptor type 3	3710	12478.62413	1.481595839	0.498937252	2.969503345	0.002982816	0.240785881	Not Sig
ENSG00000235721	NA	NA	NA	22.54519855	1.482857824	1.213574894	1.221892305	0.221748356	0.999371363	Not Sig
ENSG00000222076	NA	NA	NA	1.188050606	1.484542624	2.922107074	0.508038407	0.611426408	NA	NA
ENSG00000233844	KCNQ5-IT1	KCNQ5 intronic transcript 1	100507381	15.07946894	1.484550562	1.322349982	1.122660856	0.261581559	0.999371363	Not Sig
ENSG00000250186	NA	NA	NA	1.520734094	1.485070083	2.25778277	0.657755964	0.510694955	NA	NA
ENSG00000260681	NA	NA	NA	5.79956205	1.485210885	1.228621434	1.208843378	0.226723023	NA	NA
ENSG00000260290	NA	NA	NA	4.303869936	1.486162415	1.365555816	1.08832052	0.276453635	NA	NA
ENSG00000237758	NA	NA	NA	1.172004105	1.486217587	2.846723035	0.522080149	0.601614527	NA	NA
ENSG00000211846	NA	NA	NA	6.321083174	1.487567596	1.428103454	1.041638539	0.297579294	NA	NA
ENSG00000249502	NA	NA	NA	4.101758501	1.487648513	1.433889429	1.037491792	0.299506719	NA	NA
ENSG00000211801	NA	NA	NA	6.875190703	1.490267653	1.25617858	1.186350155	0.235484047	0.999371363	Not Sig
ENSG00000179023	KLHDC7A	kelch domain containing 7A	127707	427.5642574	1.491521564	1.084373851	1.37546803	0.168986391	0.999371363	Not Sig
ENSG00000116661	FBX02	F-box protein 2	26232	189.3477022	1.492294039	0.731710509	2.039459624	0.041404177	0.999371363	Not Sig
ENSG00000241959	NA	NA	NA	1.17844164	1.495450614	2.828331234	0.528739561	0.59698613	NA	NA
ENSG00000215475	SIAH3	siah E3 ubiquitin protein ligase family member 3	283514	5.98174739	1.496201989	1.425138807	1.049864043	0.293780626	NA	NA
ENSG00000203963	C1orf141	chromosome 1 open reading frame 141	400757	4.358343171	1.496379311	1.383532198	1.081564501	0.279446086	NA	NA
ENSG00000174611	KY	kyphoscoliosis peptidase	339855	13.17433251	1.497502613	0.838380751	1.786184394	0.074069407	0.999371363	Not Sig
ENSG00000167580	AQP2	aquaporin 2	359	2.459037251	1.500702189	1.737786393	0.863571147	0.38782352	NA	NA
ENSG00000188888	NA	NA	NA	14.09557695	1.501133991	0.92350832	1.625468833	0.1040627	0.999371363	Not Sig
ENSG00000181649	PHLDA2	pleckstrin homology like domain family A member 2	7262	387.6736333	1.502464193	0.698810947	2.15002956	0.031552877	0.915546518	Not Sig
ENSG00000253142	NA	NA	NA	22.88378123	1.504494824	1.343010731	1.120240359	0.26261135	0.999371363	Not Sig
ENSG00000269047	NA	NA	NA	1.184879176	1.505176156	2.841063167	0.529793274	0.596255269	NA	NA
ENSG00000244756	NA	NA	NA	1.300168507	1.509712066	2.792020533	0.540723841	0.588697943	NA	NA
ENSG00000172538	FAM170B	family with sequence similarity 170 member B	170370	1.382855153	1.511074093	2.425761422	0.622927745	0.533332005	NA	NA
ENSG00000112655	PTK7	protein tyrosine kinase 7 (inactive)	5754	3653.742933	1.511389286	0.550890359	2.743539182	0.006078079	0.370900051	Not Sig

ENSG00000171017	LRRC8E	leucine rich repeat containing 8 VRAC subunit E	80131	259.5233255	1.512184283	0.631217062	2.395664461	0.01659027	0.657741302	Not Sig
ENSG00000258013	NA	NA	NA	6.993165516	1.518005934	1.133500833	1.339219072	0.180499365	0.999371363	Not Sig
ENSG00000239923	NA	NA	NA	1.264549109	1.518463708	2.154093953	0.704919907	0.480860081	NA	NA
ENSG00000105855	ITGB8	integrin subunit beta 8	3696	1278.923326	1.520969012	0.74132854	2.051680098	0.040200762	0.999371363	Not Sig
ENSG00000213023	SYT3	synaptotagmin 3	84258	16.09168441	1.521880017	1.39055974	1.094436991	0.273763368	0.999371363	Not Sig
ENSG00000234636	MED14OS	MED14 opposite strand	100873985	4.732104243	1.523607586	1.243966966	1.224797465	0.220651541	NA	NA
ENSG00000233029	NA	NA	NA	3.316801122	1.523855913	1.421980361	1.071643431	0.283880218	NA	NA
ENSG00000153303	FRMD1	FERM domain containing 1	79981	1.94979399	1.524836543	2.495116774	0.611128328	0.541114627	NA	NA
ENSG00000196136	SERPINA3	serpin family A member 3	12	47.13443109	1.528187959	0.821076057	1.861201464	0.062715732	0.999371363	Not Sig
ENSG00000173262	SLC2A14	solute carrier family 2 member 14	144195	37.65329055	1.529740901	0.983169931	1.555927264	0.119725389	0.999371363	Not Sig
ENSG00000231546	NA	NA	NA	5.679204397	1.530198763	1.373989389	1.113690378	0.265412038	NA	NA
ENSG00000262488	NA	NA	NA	1.322193774	1.531141827	2.386230993	0.641657003	0.521095913	NA	NA
ENSG00000108813	DLX4	distal-less homeobox 4	1748	55.43282344	1.533165208	0.669999994	2.288306303	0.02211969	0.758302843	Not Sig
ENSG00000230667	SETSIP	SET-like protein	646817	1.379683722	1.538211816	2.38078314	0.646094888	0.518217906	NA	NA
ENSG00000099625	CBARP	CACN beta subunit associated regulatory protein	255057	79.41079401	1.538957193	0.744538284	2.066995379	0.038734589	0.999371363	Not Sig
ENSG00000170498	KISS1	KiSS-1 metastasis-suppressor	3814	13.09526818	1.539888436	1.088777691	1.414327689	0.157265711	0.999371363	Not Sig
ENSG00000155962	CLIC2	chloride intracellular channel 2	1193	724.9804651	1.539905495	0.832362262	1.850042421	0.064307436	0.999371363	Not Sig
ENSG00000238365	NA	NA	NA	3.95972878	1.540169619	1.326920282	1.160709984	0.24575986	NA	NA
ENSG00000237285	NA	NA	NA	3.079480871	1.546150159	1.974381642	0.783106025	0.433564854	NA	NA
ENSG00000241847	NA	NA	NA	3.226957881	1.546936094	1.509623943	1.024716189	0.305497122	NA	NA
ENSG00000160183	TMPRSS3	transmembrane protease, serine 3	64699	213.6635715	1.546996877	0.665197261	2.325621238	0.020038766	0.712847952	Not Sig
ENSG00000102996	MMP15	matrix metalloproteinase 15	4324	2634.150728	1.548762688	0.481565738	3.21609817	0.001299464	0.137513837	Not Sig
ENSG00000108830	RND2	Rho family GTPase 2	8153	31.74684775	1.548920103	0.93767265	1.651877233	0.09855958	0.999371363	Not Sig
ENSG00000205832	C16orf96	chromosome 16 open reading frame 96	342346	12.16244046	1.549609382	0.958057091	1.617449938	0.105781194	0.999371363	Not Sig
ENSG00000263583	MIR4522	microRNA 4522	100616277	1.22621705	1.551352366	2.469980771	0.628082771	0.529949719	NA	NA
ENSG00000006756	ARSD	arylsulfatase D	414	4480.00186	1.553676515	0.436819533	3.556792675	0.00037541	0.059842286	Not Sig
ENSG00000237624	OXCT2P1	3-oxoacid CoA-transferase 2 pseudogene 1	192217	10.04810427	1.554062069	0.964230739	1.61171181	0.107024667	0.999371363	Not Sig
ENSG00000245648	LOC101928100	uncharacterized LOC101928100	101928100	34.4560669	1.55446673	0.892696031	1.74131695	0.081628037	0.999371363	Not Sig
ENSG00000176753	NA	NA	NA	18.9747088	1.554712014	0.994557589	1.563219699	0.118000928	0.999371363	Not Sig
ENSG00000254604	NA	NA	NA	1.335068846	1.555528185	2.764282508	0.562724027	0.57362282	NA	NA
ENSG00000127377	CRYGN	crystallin gamma N	155051	8.641888577	1.556581668	1.18575972	1.312729419	0.189274141	0.999371363	Not Sig
ENSG00000236542	NA	NA	NA	1.962408772	1.55757043	1.887686686	0.825121267	0.409302747	NA	NA
ENSG00000204338	CYP21A1P	cytochrome P450 family 21 subfamily A member 1, pseudogene	1590	78.34046083	1.5591464	1.350081701	1.154853368	0.248150478	0.999371363	Not Sig
ENSG00000049656	CLPTM1L	CLPTM1 like	81037	5374.606777	1.559188243	0.680316686	2.291856535	0.021913923	0.756060365	Not Sig
ENSG00000146592	CREB5	cAMP responsive element binding protein 5	9586	565.077653	1.559226934	0.761342031	2.047997969	0.040560198	0.999371363	Not Sig

ENSG00000118298	CA14	carbonic anhydrase 14	23632	3.364117761	1.560378275	1.350203613	1.155661457	0.247819659	NA	NA
ENSG00000234332	NA	NA	NA	2.064668314	1.560720183	1.652125359	0.944674189	0.344825238	NA	NA
ENSG00000007001	UPP2	uridine phosphorylase 2	151531	5.72742768	1.561671683	1.284685455	1.215606261	0.224134948	NA	NA
ENSG00000205710	C17orf107	chromosome 17 open reading frame 107	100130311	221.0271467	1.562026219	0.54826799	2.849019546	0.004385419	0.301021826	Not Sig
ENSG00000168824	NSG1	neuronal vesicle trafficking associated 1	27065	21.50823023	1.56225756	0.815467794	1.915780822	0.055393	0.999371363	Not Sig
ENSG00000239263	NA	NA	NA	9.817574752	1.562317085	0.988615888	1.580307482	0.114036467	0.999371363	Not Sig
ENSG00000165192	ASB11	ankyrin repeat and SOCS box containing 11	140456	4.702911482	1.563083811	1.406608114	1.111243277	0.266463648	NA	NA
ENSG00000240747	KRBOX1	KRAB box domain containing 1	100506243	1.459353655	1.563809971	2.387917112	0.654884528	0.512542102	NA	NA
ENSG00000207827	MIR30A	microRNA 30a	407029	5.204954384	1.564883624	1.334752993	1.172414395	0.241030723	NA	NA
ENSG00000147647	DPYS	dihydropyrimidinase	1807	11.81942247	1.569925339	1.018049599	1.542091211	0.123051431	0.999371363	Not Sig
ENSG00000243479	MNX1-AS1	MNX1 antisense RNA 1 (head to head)	645249	32.01792346	1.57082801	1.339436148	1.172753186	0.240894796	0.999371363	Not Sig
ENSG00000185090	MANEAL	mannosidase endo-alpha like	149175	350.3778251	1.570852641	0.60933763	2.577967558	0.009938333	0.49192078	Not Sig
ENSG00000272476	NA	NA	NA	15.94257851	1.572212713	0.999263631	1.573371295	0.11563287	0.999371363	Not Sig
ENSG00000150628	SPATA4	spermatogenesis associated 4	132851	6.383075691	1.573564041	1.272972802	1.236133277	0.216409027	NA	NA
ENSG00000217950	NA	NA	NA	1.248242317	1.576903123	2.408658536	0.65468106	0.512673122	NA	NA
ENSG00000238090	NA	NA	NA	14.36334668	1.576904695	1.018300529	1.548565133	0.121486293	0.999371363	Not Sig
ENSG00000186790	FOXE3	forkhead box E3	2301	1.408146525	1.577842286	2.157987367	0.73116382	0.464679097	NA	NA
ENSG00000143858	SYT2	synaptotagmin 2	127833	71.89097445	1.578009548	1.096059577	1.439711473	0.149949046	0.999371363	Not Sig
ENSG00000238375	NA	NA	NA	1.625435109	1.579789235	2.674892128	0.590599232	0.55478898	NA	NA
ENSG00000117507	FMO6P	flavin containing monooxygenase 6 pseudogene	388714	13.98321824	1.58191834	1.122473757	1.40931432	0.158742246	0.999371363	Not Sig
ENSG00000197565	COL4A6	collagen type IV alpha 6 chain	1288	139.7928443	1.582816355	1.116137801	1.418119119	0.15615599	0.999371363	Not Sig
ENSG00000178997	EXD1	exonuclease 3'-5' domain containing 1	161829	2.041923987	1.583187919	1.803623449	0.877781845	0.380062119	NA	NA
ENSG00000173212	MAB21L3	mab-21 like 3	126868	51.16599166	1.583228599	0.800366988	1.978128313	0.047914233	0.999371363	Not Sig
ENSG00000230053	NA	NA	NA	1.254679853	1.583364746	2.366033492	0.669206396	0.503363827	NA	NA
ENSG00000268812	LOC91370	uncharacterized LOC91370	91370	4.692539693	1.583450179	1.834276823	0.86325584	0.387996818	NA	NA
ENSG00000196431	CRYBA4	crystallin beta A4	1413	1.357094113	1.583799544	2.771725631	0.571412815	0.567719845	NA	NA
ENSG00000205025	NA	NA	NA	1.363531648	1.58428716	2.431747872	0.651501407	0.514722869	NA	NA
ENSG00000211659	NA	NA	NA	376.2160541	1.587167659	1.112715593	1.426391136	0.153755471	0.999371363	Not Sig
ENSG00000214708	LOC105371730	uncharacterized LOC105371730	105371730	70.98128024	1.588237356	0.885432715	1.793741444	0.072854447	0.999371363	Not Sig
ENSG00000100116	GCAT	glycine C-acetyltransferase	23464	241.55519	1.590951123	0.666739828	2.386164822	0.017025119	0.665830191	Not Sig
ENSG00000254957	NA	NA	NA	2.573441907	1.591165167	1.694202363	0.939182474	0.347637066	NA	NA
ENSG00000022355	GABRA1	gamma-aminobutyric acid type A receptor alpha subunit	2554	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000143125	PROK1	prokineticin 1	84432	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000143257	NR1I3	nuclear receptor subfamily 1 group I member 3	9970	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000149124	GLYAT	glycine-N-acyltransferase	10249	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA

ENSG00000151631	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000161992	PRR35	proline rich 35	146325	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000163209	SPRR3	small proline rich protein 3	6707	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000172568	FNDC9	fibronectin type III domain containing 9	408263	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000176510	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000177803	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000181518	OR8D4	olfactory receptor family 8 subfamily D member 4	338662	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000197110	IFNL3	interferon lambda 3	282617	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000197915	HRNR	hornerin	388697	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000199020	MIR381	microRNA 381	494330	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000199472	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000199975	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000200291	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000200636	SNORD114-27	small nucleolar RNA, C/D box 114-27	767608	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000204894	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000207762	MIR329-2	microRNA 329-2	574409	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000207989	MIR493	microRNA 493	574450	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000213940	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000215498	FAM230B	family with sequence similarity 230 member B (non-protein coding)	642633	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000216471	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000221474	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000223568	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000224448	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000224984	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000225344	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000226535	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000226840	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000227846	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000228492	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000228564	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000228925	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000229673	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000229972	IQCF3	IQ motif containing F3	401067	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000230395	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000230444	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA

ENSG00000230782	LOC340512	uncharacterized LOC340512	340512	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000231858	LOC105373805	uncharacterized LOC105373805	105373805	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000232037	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000232560	LINC01549	long intergenic non-protein coding RNA 1549	100505929	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000232916	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000233557	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000234185	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000234859	LOC100505782	uncharacterized LOC100505782	100505782	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000235329	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000235606	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000235880	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000235984	GPC5-AS1	GPC5 antisense RNA 1	100873969	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000236167	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000236326	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000236460	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000236523	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000237307	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000238361	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000239051	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000239230	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000239696	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000240418	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000241577	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000242444	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000243831	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000244281	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000244372	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000247228	LOC400541	uncharacterized LOC400541	400541	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000248475	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000248684	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000250107	CACNA1G-AS1	CACNA1G antisense RNA 1	253962	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000251557	HNRNPKP3	heterogeneous nuclear ribonucleoprotein K pseudogene 3	399881	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000252995	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000253240	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000253398	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA

ENSG00000253413	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000254126	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000254422	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000254890	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000255994	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000257237	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000258615	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000259037	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000259259	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000259465	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000259689	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000260779	LOC101927410	uncharacterized LOC101927410	101927410	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000261057	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000261458	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000261538	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000263510	MIR4497	microRNA 4497	100616454	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000263727	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000264479	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000264668	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000265467	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000265992	ESRG	embryonic stem cell related (non-protein coding)	790952	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000267024	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000267141	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000270202	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000270955	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000271057	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000271230	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000271377	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000272254	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000272457	NA	NA	NA	0.285734918	1.591839683	4.049842411	0.39306213	0.694273594	NA	NA
ENSG00000265445	NA	NA	NA	1.261117388	1.594010285	2.405627122	0.662617357	0.507575651	NA	NA
ENSG00000164574	GALNT10	polypeptide N-acetylgalactosaminyltransferase 10	55568	3607.600189	1.595880895	0.504348965	3.164239459	0.001554888	0.152974262	Not Sig
ENSG00000081842	PCDHA6	protocadherin alpha 6	56142	50.02182732	1.596227637	0.806104612	1.980174303	0.047683946	0.999371363	Not Sig
ENSG00000143502	SUSD4	sushi domain containing 4	55061	160.0939185	1.599680022	0.887645329	1.802161258	0.071520038	0.999371363	Not Sig
ENSG00000225356	NA	NA	NA	3.036847739	1.60016231	1.650444358	0.969534236	0.332278707	NA	NA

ENSG00000137843	PAK6	p21 (RAC1) activated kinase 6	56924	124.5978579	1.600996312	0.641286426	2.496538595	0.012541202	0.556126761	Not Sig
ENSG00000137843	BUB1B-PAK6	BUB1B-PAK6 readthrough	106821730	124.5978579	1.600996312	0.641286426	2.496538595	0.012541202	0.556126761	Not Sig
ENSG00000239528	NA	NA	NA	1.491541333	1.601829274	2.382195997	0.672417079	0.501318213	NA	NA
ENSG00000198535	C2CD4A	C2 calcium dependent domain containing 4A	145741	102.7571446	1.602731873	0.999535457	1.603476757	0.108829437	0.999371363	Not Sig
ENSG00000186530	NA	NA	NA	2.73932488	1.608052791	1.60240723	1.003523175	0.315608501	NA	NA
ENSG00000251836	NA	NA	NA	2.009725411	1.617599324	1.837149653	0.880494042	0.378591731	NA	NA
ENSG00000157119	KLHL40	kelch like family member 40	131377	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000167360	OR51Q1	olfactory receptor family 51 subfamily Q member 1 (gene/pseudogene)	390061	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000172938	MRGPRD	MAS related GPR family member D	116512	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000183034	OTOP2	otopetrin 2	92736	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000183324	REC114	REC114 meiotic recombination protein	283677	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000199092	MIR410	microRNA 410	574434	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000202522	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000203782	LOR	loricrin	4014	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000204449	TRIM49C	tripartite motif containing 49C	642612	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000207613	MIR181C	microRNA 181c	406957	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000207805	MIR483	microRNA 483	619552	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000207959	MIR656	microRNA 656	724026	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000213750	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000214144	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000214782	MS4A18	membrane spanning 4-domains A18	728588	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000218582	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000219699	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000219932	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000221104	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000221707	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000223650	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000223669	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000224361	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000226342	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000227481	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000228666	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000229224	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000230716	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000230750	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA

ENSG00000233502	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000234115	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000234588	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000235028	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000235400	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000236484	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000237842	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000239610	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000241456	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000241462	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000243480	AMY2A	amylase, alpha 2A (pancreatic)	279	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000243981	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000244705	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000248285	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000248903	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000249215	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000250289	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000250389	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000250893	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000251203	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000251856	MIR449C	microRNA 449c	100313923	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000253085	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000253096	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000254176	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000255309	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000256977	LIMS3	LIM zinc finger domain containing 3	96626	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000258926	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000260443	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000263445	MIR4450	microRNA 4450	100616299	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000263724	DLGAP1-AS3	DLGAP1 antisense RNA 3	201477	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000263755	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000264982	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000267225	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000267239	NA	NA	NA	0.292172453	1.619463183	4.047179965	0.400146076	0.689048929	NA	NA
ENSG00000229267	LOC101928103	uncharacterized LOC101928103	101928103	31.47586008	1.620254258	0.950408062	1.704798521	0.088232007	0.999371363	Not Sig

ENSG00000229272	NA	NA	NA	2.016162947	1.621978635	1.804829784	0.89868787	0.36881894	NA	NA
ENSG00000228168	NA	NA	NA	30.6677063	1.622040645	0.926267898	1.751157142	0.079918846	0.999371363	Not Sig
ENSG00000137709	POU2F3	POU class 2 homeobox 3	25833	128.8204791	1.622622246	0.548361775	2.959036023	0.00308603	0.244417478	Not Sig
ENSG00000174939	ASPHD1	aspartate beta-hydroxylase domain containing 1	253982	77.05172527	1.625407835	0.850123013	1.911967808	0.055880323	0.999371363	Not Sig
ENSG00000168992	NA	NA	NA	5.478638862	1.631497526	1.252563626	1.302526667	0.192736408	NA	NA
ENSG00000197180	CH17-340M24.3	uncharacterized protein BC009467	158960	23.14921544	1.632298305	0.872990577	1.869777691	0.061514696	0.999371363	Not Sig
ENSG00000142611	PRDM16	PR/SET domain 16	63976	911.4344154	1.632453223	1.026177042	1.590810509	0.111652227	0.999371363	Not Sig
ENSG00000268856	NA	NA	NA	7.719502854	1.63254389	1.444656377	1.130056888	0.258452254	0.999371363	Not Sig
ENSG00000170231	FABP6	fatty acid binding protein 6	2172	38.17306654	1.633079972	1.129060808	1.446405685	0.148063448	0.999371363	Not Sig
ENSG00000173947	PIFO	primary cilia formation	128344	233.8756285	1.637804622	0.883071225	1.85466877	0.063643541	0.999371363	Not Sig
ENSG00000221662	MIR1290	microRNA 1290	100302276	1.296017727	1.637984974	2.397478363	0.683211578	0.494473158	NA	NA
ENSG00000211852	NA	NA	NA	5.014269003	1.639521287	1.509273736	1.086298163	0.277347099	NA	NA
ENSG00000119915	ELOVL3	ELOVL fatty acid elongase 3	83401	5.68376701	1.639561154	1.672945215	0.980044738	0.327064036	NA	NA
ENSG00000249688	NA	NA	NA	0.728869511	1.640402049	3.303550681	0.496557252	0.619501305	NA	NA
ENSG00000254590	NA	NA	NA	0.728869511	1.640402049	3.303550681	0.496557252	0.619501305	NA	NA
ENSG00000265676	NA	NA	NA	0.728869511	1.640402049	3.303550681	0.496557252	0.619501305	NA	NA
ENSG00000221203	MIR1262	microRNA 1262	100302279	11.75745255	1.640541975	1.134358879	1.446228355	0.148113163	0.999371363	Not Sig
ENSG00000198173	FAM47C	family with sequence similarity 47 member C	442444	0.745176303	1.64060944	3.281359228	0.499978614	0.617090136	NA	NA
ENSG00000266875	NA	NA	NA	0.745176303	1.64060944	3.281359228	0.499978614	0.617090136	NA	NA
ENSG00000256234	NA	NA	NA	3.513422756	1.644006264	1.325719724	1.240085844	0.214943644	NA	NA
ENSG00000235961	PNMA6A	PNMA family member 6A	84968	5.532808045	1.645082185	2.091510412	0.786552233	0.431544031	NA	NA
ENSG00000115107	STEAP3	STEAP3 metalloredutase	55240	1405.872575	1.645729804	0.474362939	3.469347347	0.000521724	0.073000846	Not Sig
ENSG00000113520	IL4	interleukin 4	3565	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000155087	ODF1	outer dense fiber of sperm tails 1	4956	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000163216	SPRR2D	small proline rich protein 2D	6703	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000171360	KRT38	keratin 38	8687	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000171561	OR2AT4	olfactory receptor family 2 subfamily AT member 4	341152	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000180409	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000182574	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000201142	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000202245	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000202512	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000205897	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000206069	TMEM211	transmembrane protein 211	255349	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000206249	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA

ENSG00000207585	MIR181D	microRNA 181d	574457	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000211731	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000213226	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000213772	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000213891	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000215319	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000216998	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000221084	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000221989	OR2A2	olfactory receptor family 2 subfamily A member 2	442361	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000222705	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000223718	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000226239	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000226247	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000226926	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000227965	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000229500	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000229752	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000230322	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000230657	PRB4	proline rich protein BstNI subfamily 4	5545	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000233020	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000233278	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000234335	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000234497	ERICH3-AS1	ERICH3 antisense RNA 1	101927320	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000234979	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000235818	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000236763	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000237338	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000238598	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000241438	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000244436	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000248583	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000250504	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000250523	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000250699	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000252128	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA

ENSG00000253009	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000253027	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000253698	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000255009	UBTF1	upstream binding transcription factor, RNA polymerase I-like 1	642623	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000255014	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000255253	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000256518	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000256681	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000256944	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000259236	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000263380	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000263381	MIR5584	microRNA 5584	100847089	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000263889	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000263959	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000264399	MIR4736	microRNA 4736	100616220	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000264489	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000264609	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000265052	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000265215	MIR4269	microRNA 4269	100423043	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000265907	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000265936	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000266366	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000266605	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000267668	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000268424	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000271056	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000271286	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000271360	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000273471	NA	NA	NA	0.298609989	1.646698945	4.044602534	0.407134924	0.683908894	NA	NA
ENSG00000216475	NA	NA	NA	1.650726481	1.648067894	2.271282882	0.725611022	0.468077262	NA	NA
ENSG00000007314	SCN4A	sodium voltage-gated channel alpha subunit 4	6329	7.539449551	1.64935029	1.117077658	1.476486686	0.139813287	0.999371363	Not Sig
ENSG00000241506	NA	NA	NA	7.292473847	1.650148818	1.022627988	1.613635493	0.106606513	0.999371363	Not Sig
ENSG00000207776	MIR551A	microRNA 551a	693135	4.325958262	1.653489222	1.305199872	1.266847521	0.205209817	NA	NA
ENSG00000158516	CPA2	carboxypeptidase A2	1358	0.735307047	1.654980191	3.257223936	0.508095306	0.611386507	NA	NA
ENSG00000228312	NA	NA	NA	0.735307047	1.654980191	3.257223936	0.508095306	0.611386507	NA	NA

ENSG00000228522	NA	NA	NA	0.735307047	1.654980191	3.257223936	0.508095306	0.611386507	NA	NA
ENSG00000232993	NA	NA	NA	0.735307047	1.654980191	3.257223936	0.508095306	0.611386507	NA	NA
ENSG00000241211	NA	NA	NA	0.735307047	1.654980191	3.257223936	0.508095306	0.611386507	NA	NA
ENSG00000248196	NA	NA	NA	0.735307047	1.654980191	3.257223936	0.508095306	0.611386507	NA	NA
ENSG00000232375	NA	NA	NA	0.751613838	1.655168764	3.235201855	0.511612208	0.60892244	NA	NA
ENSG00000224647	NA	NA	NA	0.79368167	1.655646435	3.181508605	0.520396655	0.602787141	NA	NA
ENSG00000184985	SORCS2	sortilin related VPS10 domain containing receptor 2	57537	427.0473656	1.658259358	1.058596486	1.566469737	0.117238688	0.999371363	Not Sig
ENSG00000235674	NA	NA	NA	1.401698092	1.658353523	2.338266826	0.709223389	0.478185861	NA	NA
ENSG00000165202	OR1Q1	olfactory receptor family 1 subfamily Q member 1	158131	1.682914159	1.659683214	2.643864112	0.627749061	0.530168341	NA	NA
ENSG00000159904	ZNF890P	zinc finger protein 890, pseudogene	645700	10.77569163	1.665108211	0.890361189	1.870149139	0.06146311	0.999371363	Not Sig
ENSG00000272443	NA	NA	NA	2.383027713	1.667605967	2.146463689	0.776908538	0.437212733	NA	NA
ENSG00000161652	IZUMO2	IZUMO family member 2	126123	0.741744582	1.668775561	3.289955225	0.507233517	0.61199098	NA	NA
ENSG00000199360	NA	NA	NA	0.741744582	1.668775561	3.289955225	0.507233517	0.61199098	NA	NA
ENSG00000246451	NA	NA	NA	0.741744582	1.668775561	3.289955225	0.507233517	0.61199098	NA	NA
ENSG00000198452	NA	NA	NA	0.758051374	1.66893005	3.26833175	0.510636673	0.609605492	NA	NA
ENSG00000264449	NA	NA	NA	0.758051374	1.66893005	3.26833175	0.510636673	0.609605492	NA	NA
ENSG00000230592	NA	NA	NA	0.800119206	1.669321105	3.215582717	0.519134867	0.603666696	NA	NA
ENSG00000236782	NA	NA	NA	0.800119206	1.669321105	3.215582717	0.519134867	0.603666696	NA	NA
ENSG00000215835	NA	NA	NA	1.490822273	1.670424223	2.074736493	0.805125966	0.420746993	NA	NA
ENSG00000120332	TNN	tenascin N	63923	32.32304223	1.671834215	1.01013301	1.655063441	0.09791163	0.999371363	Not Sig
ENSG00000181315	ZNF322	zinc finger protein 322	79692	557.1109894	1.672072638	0.641457031	2.606679104	0.0091425	0.473243174	Not Sig
ENSG00000225905	NA	NA	NA	15.57540844	1.672184748	0.928740005	1.800487477	0.071783699	0.999371363	Not Sig
ENSG00000253954	NA	NA	NA	3.208897061	1.673803128	1.628721683	1.027679035	0.304100833	NA	NA
ENSG00000140835	CHST4	carbohydrate sulfotransferase 4	10164	8.370318315	1.67588988	1.24561604	1.345430555	0.178486233	0.999371363	Not Sig
ENSG00000211647	NA	NA	NA	1.359641158	1.678355663	2.477128041	0.677540941	0.498062803	NA	NA
ENSG00000164530	PI16	peptidase inhibitor 16	221476	73.50705399	1.678915879	1.333191509	1.259320861	0.207914461	0.999371363	Not Sig
ENSG00000091128	LAMB4	laminin subunit beta 4	22798	8.168926898	1.679046328	1.12990841	1.486002151	0.137278552	0.999371363	Not Sig
ENSG00000201846	NA	NA	NA	2.847446718	1.686872314	1.906044385	0.885012084	0.376150114	NA	NA
ENSG00000258033	NA	NA	NA	2.265180439	1.688156755	1.738533837	0.971023238	0.331536707	NA	NA
ENSG00000164556	FAM183BP	acyloxyacyl hydrolase (neutrophil)	340286	1.430160895	1.689760901	2.275403305	0.742620395	0.457711537	NA	NA
ENSG00000233338	TLR8-AS1	TLR8 antisense RNA 1	349408	7.19942012	1.690508043	1.814908535	0.93145633	0.351617564	0.999371363	Not Sig
ENSG00000133065	SLC41A1	solute carrier family 41 member 1	254428	1857.654278	1.690856742	0.579008618	2.92026179	0.003497375	0.266411951	Not Sig
ENSG00000167244	IGF2	insulin like growth factor 2	3481	544.2639071	1.691782122	0.855407596	1.977749707	0.04795695	0.999371363	Not Sig
ENSG00000225422	NA	NA	NA	1.378953765	1.69221314	2.092649331	0.808646301	0.418718624	NA	NA
ENSG00000252641	NA	NA	NA	1.378953765	1.69221314	2.092649331	0.808646301	0.418718624	NA	NA

ENSG00000200269	NA	NA	NA	1.32448053	1.693294087	2.785690584	0.607854331	0.543284091	NA	NA
ENSG00000165376	CLDN2	claudin 2	9075	590.2323323	1.693502473	1.365481994	1.240223218	0.214892843	0.999371363	Not Sig
ENSG00000113946	CLDN16	claudin 16	10686	15.50429542	1.696954775	0.797779233	2.127098205	0.033411924	0.947967831	Not Sig
ENSG00000264666	NA	NA	NA	2.162766179	1.69699474	1.834696728	0.924945641	0.354994184	NA	NA
ENSG00000216031	MIR298	microRNA 298	100126296	1.558170579	1.699923853	2.353249511	0.722372976	0.470065197	NA	NA
ENSG00000159166	LAD1	ladinin 1	3898	2168.703753	1.702390855	0.782570941	2.175382147	0.029601491	0.897727832	Not Sig
ENSG00000186628	FSD2	fibronectin type III and SPRY domain containing 2	123722	2.089229729	1.704566845	2.10436058	0.810016525	0.417930678	NA	NA
ENSG00000211962	NA	NA	NA	653.3599389	1.705359022	1.21018563	1.409171436	0.158784482	0.999371363	Not Sig
ENSG00000137691	C11orf70	chromosome 11 open reading frame 70	85016	65.74700803	1.707289553	0.650038032	2.626445637	0.008628177	0.468338954	Not Sig
ENSG00000176868	NA	NA	NA	3.026248526	1.707739102	1.562301262	1.093092058	0.274353383	NA	NA
ENSG00000269890	NA	NA	NA	40.41981689	1.708326668	0.824946031	2.070834461	0.038374269	0.999371363	Not Sig
ENSG00000272969	NA	NA	NA	1.321309099	1.710711974	2.740964267	0.624127791	0.532543664	NA	NA
ENSG00000207389	RNU1-4	RNA, U1 small nuclear 4	6060	0.76376985	1.714121395	3.26753244	0.524592005	0.599866846	NA	NA
ENSG00000269153	NA	NA	NA	0.76376985	1.714121395	3.26753244	0.524592005	0.599866846	NA	NA
ENSG00000214985	NA	NA	NA	0.780076641	1.714170741	3.246820956	0.527953578	0.597531556	NA	NA
ENSG00000218766	NA	NA	NA	0.822144473	1.714295849	3.196216778	0.536351558	0.591715604	NA	NA
ENSG00000228748	NA	NA	NA	0.822144473	1.714295849	3.196216778	0.536351558	0.591715604	NA	NA
ENSG00000218048	NA	NA	NA	38.89652797	1.715581516	1.162101795	1.476274732	0.139870154	0.999371363	Not Sig
ENSG00000166825	ANPEP	alanine aminopeptidase, membrane	290	2226.238771	1.721640227	1.155107095	1.4904594	0.136103484	0.999371363	Not Sig
ENSG00000235109	ZSCAN31	zinc finger and SCAN domain containing 31	64288	856.1195602	1.723549999	0.594015681	2.901522727	0.003713538	0.27347713	Not Sig
ENSG00000267119	NA	NA	NA	1.398266371	1.725107304	2.468780265	0.698769076	0.484696357	NA	NA
ENSG00000224349	LOC105377849	uncharacterized LOC105377849	105377849	2.124130067	1.727022114	1.835858114	0.940716552	0.346850135	NA	NA
ENSG00000207763	MIR617	microRNA 617	693202	0.770207385	1.72861402	2.78338675	0.621047011	0.534568693	NA	NA
ENSG00000211812	NA	NA	NA	0.786514177	1.728650818	2.767954855	0.624522764	0.532284325	NA	NA
ENSG00000225169	NA	NA	NA	0.786514177	1.728650818	2.767954855	0.624522764	0.532284325	NA	NA
ENSG00000242945	NA	NA	NA	0.786514177	1.728650818	2.767954855	0.624522764	0.532284325	NA	NA
ENSG00000244757	NA	NA	NA	0.786514177	1.728650818	2.767954855	0.624522764	0.532284325	NA	NA
ENSG00000265745	NA	NA	NA	0.786514177	1.728650818	2.767954855	0.624522764	0.532284325	NA	NA
ENSG00000267812	NA	NA	NA	0.786514177	1.728650818	2.767954855	0.624522764	0.532284325	NA	NA
ENSG00000250762	NA	NA	NA	1.465061233	1.72924297	2.310559692	0.748408698	0.454213678	NA	NA
ENSG00000272729	NA	NA	NA	3.528833974	1.730822668	1.543692035	1.121222775	0.262193047	NA	NA
ENSG00000258623	NA	NA	NA	3.618112874	1.734679003	1.559382243	1.112414234	0.265960087	NA	NA
ENSG00000187066	TMEM262	transmembrane protein 262	100130348	1.420291639	1.735643129	2.050932347	0.846270298	0.397401973	NA	NA
ENSG00000183748	NA	NA	NA	826.7448508	1.739279625	0.861466728	2.018974811	0.043489838	0.999371363	Not Sig
ENSG00000149295	DRD2	dopamine receptor D2	1813	3.48406438	1.741396248	1.645003394	1.058597359	0.28978319	NA	NA

ENSG00000207507	RNU6-9	RNA, U6 small nuclear 9	101954271	0.792951712	1.741532311	2.763898398	0.630099975	0.528629176	NA	NA
ENSG00000227890	NA	NA	NA	0.792951712	1.741532311	2.763898398	0.630099975	0.528629176	NA	NA
ENSG00000223181	NA	NA	NA	1.739839765	1.741751828	2.196346483	0.79302234	0.427764807	NA	NA
ENSG00000147117	ZNF157	zinc finger protein 157	7712	7.639977991	1.743056168	1.266116473	1.376694961	0.168606577	0.999371363	Not Sig
ENSG00000229228	LINC00582	long intergenic non-protein coding RNA 582	100287814	2.197362465	1.743794737	2.444275282	0.713419945	0.475585935	NA	NA
ENSG00000227001	NA	NA	NA	25.34222597	1.74392384	0.709250257	2.458827223	0.013939168	0.59512169	Not Sig
ENSG00000237311	NA	NA	NA	1.426729174	1.745024771	2.102966148	0.829792136	0.406656318	NA	NA
ENSG00000088726	TMEM40	transmembrane protein 40	55287	41.07560591	1.747363732	0.809664692	2.158132557	0.030917527	0.911813628	Not Sig
ENSG00000122543	OCM	oncomodulin	654231	2.123869778	1.747385352	1.804921245	0.968122768	0.33298306	NA	NA
ENSG00000172818	OVOL1	ovo like transcriptional repressor 1	5017	74.96285068	1.751359785	0.736211555	2.378881143	0.017365274	0.670000634	Not Sig
ENSG00000206976	NA	NA	NA	4.474438625	1.752510265	1.414223319	1.239203343	0.215270203	NA	NA
ENSG00000183250	LINC01547	long intergenic non-protein coding RNA 1547	84536	65.96983294	1.754152082	0.716401677	2.448559432	0.014342877	0.604079747	Not Sig
ENSG00000232460	NA	NA	NA	0.84145708	1.754623614	3.1801071	0.55174985	0.581119751	NA	NA
ENSG00000236090	NA	NA	NA	0.84145708	1.754623614	3.1801071	0.55174985	0.581119751	NA	NA
ENSG00000200278	NA	NA	NA	0.783082456	1.754659651	3.248891302	0.540079519	0.589142195	NA	NA
ENSG00000237931	NA	NA	NA	0.783082456	1.754659651	3.248891302	0.540079519	0.589142195	NA	NA
ENSG00000244381	NA	NA	NA	0.783082456	1.754659651	3.248891302	0.540079519	0.589142195	NA	NA
ENSG00000257885	NA	NA	NA	0.783082456	1.754659651	3.248891302	0.540079519	0.589142195	NA	NA
ENSG00000186471	AKAP14	A-kinase anchoring protein 14	158798	12.22157444	1.757352716	1.315729423	1.335649021	0.181664019	0.999371363	Not Sig
ENSG00000204788	NA	NA	NA	1.48437384	1.75811705	2.686386355	0.654454281	0.512819173	NA	NA
ENSG00000132703	APCS	amyloid P component, serum	325	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000134249	ADAM30	ADAM metalloproteinase domain 30	11085	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000147262	GPR119	G protein-coupled receptor 119	139760	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000174448	STARD6	StAR related lipid transfer domain containing 6	147323	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000182333	LIPF	lipase F, gastric type	8513	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000187870	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000199520	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000203852	HIST2H3A	histone cluster 2 H3 family member a	333932	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000204637	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000207800	MIR504	microRNA 504	574507	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000212145	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000212254	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000212576	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000212724	KRTAP2-3	keratin associated protein 2-3	730755	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000213343	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA

ENSG00000214754	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000221745	MIR1197	microRNA 1197	100302250	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000222551	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000224825	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000226143	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000227742	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000228015	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000232043	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000232174	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000233243	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000233330	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000233974	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000234213	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000234553	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000234676	IFT74-AS1	IFT74 antisense RNA 1	101929602	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000234677	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000235416	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000236259	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000236290	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000238180	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000241223	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000244203	FOXP1-AS1	FOXP1 antisense RNA 1	104502416	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000248839	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000249163	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000249619	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000249754	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000250304	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000250507	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000250794	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000252730	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000254391	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000254551	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000255168	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000255395	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000256221	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA

ENSG00000259007	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000259308	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000260185	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000265592	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000265916	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000266140	MIR4533	microRNA 4533	100616362	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000266499	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000267630	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000269012	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000269583	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000271554	NA	NA	NA	0.327072792	1.75813826	4.034532125	0.435772527	0.663001778	NA	NA
ENSG00000249320	NA	NA	NA	3.310166356	1.761013018	1.565837149	1.12464634	0.260738929	NA	NA
ENSG00000238988	NA	NA	NA	2.923424641	1.762804273	2.040668393	0.863836711	0.387677598	NA	NA
ENSG00000224016	NA	NA	NA	4.736591478	1.764367464	1.387596662	1.271527608	0.203541012	NA	NA
ENSG00000060566	CREB3L3	cAMP responsive element binding protein 3 like 3	84699	1.579935557	1.764570295	2.368036757	0.7451617	0.456173973	NA	NA
ENSG00000151498	ACAD8	acyl-CoA dehydrogenase family member 8	27034	1087.574869	1.766379817	0.544227947	3.245661727	0.00117178	0.131751998	Not Sig
ENSG00000267293	NA	NA	NA	1.448754442	1.767111534	2.085092878	0.847497756	0.396717738	NA	NA
ENSG00000249481	SPATS1	spermatogenesis associated serine rich 1	221409	2.120698347	1.767899301	1.836299813	0.962750902	0.335672545	NA	NA
ENSG00000162843	WDR64	WD repeat domain 64	128025	4.63106583	1.768696593	1.658496293	1.066445913	0.286222116	NA	NA
ENSG00000257322	NA	NA	NA	8.822694592	1.770176082	1.132107421	1.56361141	0.117908854	0.999371363	Not Sig
ENSG00000267437	NA	NA	NA	1.455191977	1.772303402	2.047678912	0.865518218	0.386754421	NA	NA
ENSG00000211836	NA	NA	NA	1.499961572	1.775236246	2.68187868	0.661937566	0.508011235	NA	NA
ENSG00000270987	NA	NA	NA	2.452662774	1.776495823	2.069651096	0.85835522	0.390696346	NA	NA
ENSG00000105988	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000182393	IFNL1	interferon lambda 1	282618	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000201182	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000204398	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000207367	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000207863	MIR125B2	microRNA 125b-2	406912	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000214925	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000219102	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000221971	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000223635	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000224628	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000225376	TMEM246-AS1	TMEM246 antisense RNA 1	101928470	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA

ENSG00000227770	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000230489	VAV3-AS1	VAV3 antisense RNA 1	100873946	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000230927	TMBIM7P	transmembrane BAX inhibitor motif containing 7, pseudogene	105375396	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000230942	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000232333	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000232455	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000233655	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000235185	LOC105378614	uncharacterized LOC105378614	105378614	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000237323	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000238272	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000238691	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000239539	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000249109	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000250484	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000250496	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000251177	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000251353	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000254805	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000255125	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000255213	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000256762	STH	saitohin	246744	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000259433	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000260133	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000260617	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000263815	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000264078	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000265157	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000269304	NA	NA	NA	0.333510327	1.783514307	4.032342099	0.44230233	0.658270445	NA	NA
ENSG00000224805	LINC00853	long intergenic non-protein coding RNA 853	100874253	8.16387515	1.786703357	1.097578284	1.627859609	0.103554658	0.999371363	Not Sig
ENSG00000258072	NA	NA	NA	1.38467224	1.788077516	2.742804088	0.651915871	0.514455446	NA	NA
ENSG00000242136	NA	NA	NA	1.643558988	1.788313567	2.311674321	0.773601	0.43916678	NA	NA
ENSG00000203711	NA	NA	NA	23.00997978	1.789531481	0.694741208	2.575824582	0.010000137	0.49192078	Not Sig
ENSG00000226031	FGF13-AS1	FGF13 antisense RNA 1	100129662	4.995462903	1.791364644	1.323018914	1.353997758	0.175737093	NA	NA
ENSG00000231086	NA	NA	NA	2.069491217	1.795585949	2.438559669	0.736330537	0.461529567	NA	NA
ENSG00000206704	NA	NA	NA	0.863482347	1.797235216	3.123128823	0.575459841	0.564980343	NA	NA

ENSG00000235095	NA	NA	NA	0.863482347	1.797235216	3.123128823	0.575459841	0.564980343	NA	NA
ENSG00000144771	LRTM1	leucine rich repeats and transmembrane domains 1	57408	0.821414515	1.797477592	3.170308963	0.566972372	0.570732953	NA	NA
ENSG00000237763	AMY1A	amylase, alpha 1A (salivary)	276	0.821414515	1.797477592	3.170308963	0.566972372	0.570732953	NA	NA
ENSG00000238152	NA	NA	NA	0.821414515	1.797477592	3.170308963	0.566972372	0.570732953	NA	NA
ENSG00000216621	LOC105378052	uncharacterized LOC105378052	105378052	0.805107724	1.797573077	3.189567287	0.56357898	0.573040696	NA	NA
ENSG00000233539	LOC730338	uncharacterized LOC730338	730338	15.42326256	1.799798119	1.279982443	1.406111567	0.159690998	0.999371363	Not Sig
ENSG00000250174	MYLK-AS2	MYLK antisense RNA 2	100873940	2.308805068	1.80001508	1.748841293	1.029261538	0.303356792	NA	NA
ENSG00000163347	CLDN1	claudin 1	9076	1141.448822	1.803865543	0.769957209	2.342812721	0.019138987	0.704728852	Not Sig
ENSG00000258245	NA	NA	NA	3.130938643	1.804802308	1.486810997	1.213874737	0.224795561	NA	NA
ENSG00000144488	ESPNL	espin like	339768	37.97958247	1.804936649	1.42364038	1.267831873	0.204857997	0.999371363	Not Sig
ENSG00000234093	NA	NA	NA	0.869919883	1.806821575	2.707600954	0.667314573	0.50457122	NA	NA
ENSG00000236263	NA	NA	NA	0.869919883	1.806821575	2.707600954	0.667314573	0.50457122	NA	NA
ENSG00000239061	NA	NA	NA	0.869919883	1.806821575	2.707600954	0.667314573	0.50457122	NA	NA
ENSG00000259118	LOC100506321	uncharacterized LOC100506321	100506321	0.869919883	1.806821575	2.707600954	0.667314573	0.50457122	NA	NA
ENSG00000269933	NA	NA	NA	0.869919883	1.806821575	2.707600954	0.667314573	0.50457122	NA	NA
ENSG00000196427	NBPF4	NBPF member 4	148545	0.827852051	1.807169293	2.742644016	0.658915004	0.509950351	NA	NA
ENSG00000159289	GOLGA6A	golgin A6 family member A	342096	0.811545259	1.807306706	2.756942332	0.655547519	0.512115302	NA	NA
ENSG00000233052	NA	NA	NA	0.811545259	1.807306706	2.756942332	0.655547519	0.512115302	NA	NA
ENSG00000126016	AMOT	angiomin	154796	880.3809203	1.809495922	0.567064613	3.190987202	0.001417876	0.143788559	Not Sig
ENSG00000106927	AMBP	alpha-1-microglobulin/bikunin precursor	259	40.6444773	1.815914068	1.094740638	1.658761907	0.097163779	0.999371363	Not Sig
ENSG00000165821	SALL2	spalt like transcription factor 2	6297	626.2548785	1.816705378	0.678122375	2.67902291	0.007383734	0.418843984	Not Sig
ENSG00000254558	NA	NA	NA	3.796694405	1.817324415	2.21814954	0.819297519	0.412616688	NA	NA
ENSG00000068078	FGFR3	fibroblast growth factor receptor 3	2261	1440.137453	1.820824516	0.71694346	2.539704478	0.011094617	0.521322807	Not Sig
ENSG00000188013	NA	NA	NA	137.8241152	1.820844827	1.050627866	1.733101592	0.083077614	0.999371363	Not Sig
ENSG00000224004	NA	NA	NA	0.876357418	1.822850776	3.113289393	0.585506372	0.558207284	NA	NA
ENSG00000242315	NA	NA	NA	0.876357418	1.822850776	3.113289393	0.585506372	0.558207284	NA	NA
ENSG00000251893	NA	NA	NA	0.876357418	1.822850776	3.113289393	0.585506372	0.558207284	NA	NA
ENSG00000243775	OSTCP1	oligosaccharyltransferase complex subunit pseudogene 1	202459	0.834289586	1.823171768	3.159401323	0.577062418	0.563897291	NA	NA
ENSG00000128262	POM121L9P	POM121 transmembrane nucleoporin like 9, pseudogene	29774	89.10446333	1.826180378	0.782884769	2.332629845	0.019667581	0.709667191	Not Sig
ENSG00000269934	NA	NA	NA	30.51460806	1.826427113	0.98918552	1.846394913	0.064834885	0.999371363	Not Sig
ENSG00000227117	NA	NA	NA	49.47573305	1.828877154	2.677046524	0.683169731	0.494499597	0.999371363	Not Sig
ENSG00000164867	NOS3	nitric oxide synthase 3	4846	1196.756953	1.832754942	1.026612348	1.785245372	0.074221525	0.999371363	Not Sig
ENSG00000159648	TEPP	testis, prostate and placenta expressed	374739	31.08603017	1.833914677	1.293507974	1.41778382	0.156253889	0.999371363	Not Sig
ENSG00000234286	NA	NA	NA	30.91781916	1.835940724	1.049157546	1.749919001	0.080132292	0.999371363	Not Sig
ENSG00000197410	DCHS2	dachsous cadherin-related 2	54798	61.86016169	1.837966218	0.772069466	2.380571049	0.017285827	0.670000634	Not Sig

ENSG00000259264	NA	NA	NA	10.00776532	1.841127014	0.959965885	1.917908795	0.055122577	0.999371363	Not	Sig
ENSG00000136014	USP44	ubiquitin specific peptidase 44	84101	165.8153684	1.841581765	0.638594813	2.883803198	0.003929042	0.281664993	Not	Sig
ENSG00000199377	RNU5F-1	RNA, U5F small nuclear 1	26828	42.15173078	1.843985422	1.153650044	1.598392365	0.109955683	0.999371363	Not	Sig
ENSG00000266036	NA	NA	NA	4.613969037	1.8458798	1.259141924	1.465982321	0.142653103	NA	NA	NA
ENSG00000203863	NA	NA	NA	2.755893211	1.847247202	1.919566267	0.962325309	0.335886219	NA	NA	NA
ENSG00000267766	NA	NA	NA	4.834125	1.852049308	1.618654352	1.144190732	0.252544546	NA	NA	NA
ENSG00000170367	CST5	cystatin D	1473	17.71905526	1.854860563	1.09659108	1.691478799	0.090745394	0.999371363	Not	Sig
ENSG00000183423	LRIT3	leucine rich repeat, Ig-like and transmembrane domains 3	345193	8.907729974	1.85775018	0.933964324	1.989101866	0.04668996	0.999371363	Not	Sig
ENSG00000021300	PLEKHB1	pleckstrin homology domain containing B1	58473	518.8359668	1.858190449	0.81740435	2.27328182	0.023009202	0.768580599	Not	Sig
ENSG00000207993	MIR134	microRNA 134	406924	4.993250104	1.858717992	1.607207843	1.156488876	0.247481247	NA	NA	NA
ENSG00000238774	NA	NA	NA	3.935587597	1.859421247	1.322517355	1.40597115	0.159732692	NA	NA	NA
ENSG00000259048	NA	NA	NA	1.499795956	1.859827501	2.366761535	0.785811107	0.431978159	NA	NA	NA
ENSG00000067191	CACNB1	calcium voltage-gated channel auxiliary subunit beta 1	782	551.4181303	1.859832266	0.716509905	2.595682562	0.009440324	0.477437736	Not	Sig
ENSG00000258116	NA	NA	NA	3.618550926	1.860294342	2.011382118	0.924883604	0.355026456	NA	NA	NA
ENSG00000224367	NA	NA	NA	1.726234736	1.869818201	2.300668822	0.8127281	0.416373967	NA	NA	NA
ENSG00000100884	CPNE6	copine 6	9362	1.473785524	1.871352783	2.33050093	0.802983066	0.421984522	NA	NA	NA
ENSG00000128652	HOXD3	homeobox D3	3232	19.4417483	1.872136144	1.09126032	1.715572453	0.086240324	0.999371363	Not	Sig
ENSG00000238421	NA	NA	NA	4.767009805	1.876305532	1.459111019	1.285923763	0.19846967	NA	NA	NA
ENSG00000199566	NA	NA	NA	0.904820221	1.876649996	3.131148496	0.599348769	0.548940333	NA	NA	NA
ENSG00000273388	NA	NA	NA	0.904820221	1.876649996	3.131148496	0.599348769	0.548940333	NA	NA	NA
ENSG00000200003	NA	NA	NA	0.862752389	1.877149536	3.174820786	0.591261574	0.554345172	NA	NA	NA
ENSG00000257925	NA	NA	NA	0.862752389	1.877149536	3.174820786	0.591261574	0.554345172	NA	NA	NA
ENSG00000269345	NA	NA	NA	0.862752389	1.877149536	3.174820786	0.591261574	0.554345172	NA	NA	NA
ENSG00000159527	PGLYRP3	peptidoglycan recognition protein 3	114771	0.846445598	1.877346259	3.192603079	0.588029959	0.556512184	NA	NA	NA
ENSG00000233235	NA	NA	NA	0.846445598	1.877346259	3.192603079	0.588029959	0.556512184	NA	NA	NA
ENSG00000237737	DCTN1-AS1	DCTN1 antisense RNA 1	100189589	0.846445598	1.877346259	3.192603079	0.588029959	0.556512184	NA	NA	NA
ENSG00000064300	NGFR	nerve growth factor receptor	4804	126.6077039	1.880214783	0.778453093	2.415321874	0.01572131	0.643565034	Not	Sig
ENSG00000224189	HAGLR	HOXD antisense growth-associated long non-coding RNA	401022	801.0607825	1.880576849	1.054051699	1.784140998	0.074400757	0.999371363	Not	Sig
ENSG00000252659	NA	NA	NA	1.585903425	1.881206503	2.217347821	0.848403884	0.396213081	NA	NA	NA
ENSG00000250342	NA	NA	NA	2.647196133	1.881498956	1.691296617	1.112459481	0.265940642	NA	NA	NA
ENSG00000230626	NA	NA	NA	2.25712827	1.882210071	1.806611762	1.041845354	0.297483383	NA	NA	NA
ENSG00000101134	DOK5	docking protein 5	55816	80.7545257	1.883231358	0.976959658	1.927644956	0.053899303	0.999371363	Not	Sig
ENSG00000103044	HAS3	hyaluronan synthase 3	3038	1250.811299	1.886181202	0.914403684	2.062744534	0.039136906	0.999371363	Not	Sig
ENSG00000237186	NA	NA	NA	1.534696295	1.887950636	2.069161685	0.912422963	0.361546106	NA	NA	NA
ENSG00000250906	NA	NA	NA	1.534696295	1.887950636	2.069161685	0.912422963	0.361546106	NA	NA	NA

ENSG00000259609	NA	NA	NA	0.852883133	1.889675159	3.187345211	0.592868056	0.553269458	NA	NA
ENSG00000262810	NA	NA	NA	0.852883133	1.889675159	3.187345211	0.592868056	0.553269458	NA	NA
ENSG00000142632	ARHGEF19	Rho guanine nucleotide exchange factor 19	128272	737.6069479	1.891700728	0.696311371	2.716745422	0.00659273	0.393801452	Not Sig
ENSG00000205595	NA	NA	NA	32.73064096	1.894017748	1.053309287	1.798159164	0.072151789	0.999371363	Not Sig
ENSG00000226416	MRPL23-AS1	MRPL23 antisense RNA 1	100133545	19.70517368	1.894338816	1.539481698	1.230504279	0.218508326	0.999371363	Not Sig
ENSG00000121270	ABCC11	ATP binding cassette subfamily C member 11	85320	11.15201337	1.896748831	1.180357622	1.606927252	0.108070327	0.999371363	Not Sig
ENSG00000121769	FABP3	fatty acid binding protein 3	2170	358.5644205	1.897080529	1.103645219	1.718922436	0.085628496	0.999371363	Not Sig
ENSG00000179058	C9orf50	chromosome 9 open reading frame 50	375759	1.464176558	1.897368886	2.671121173	0.710326774	0.47750152	NA	NA
ENSG00000244998	NA	NA	NA	1.464176558	1.897368886	2.671121173	0.710326774	0.47750152	NA	NA
ENSG00000062038	CDH3	cadherin 3	1001	1090.400196	1.898704256	0.946070995	2.006936336	0.044756442	0.999371363	Not Sig
ENSG00000233849	NA	NA	NA	2.675658936	1.899309423	1.675844405	1.133344729	0.257069515	NA	NA
ENSG00000072041	SLC6A15	solute carrier family 6 member 15	55117	2.199483604	1.90640829	2.394773068	0.79607054	0.425991036	NA	NA
ENSG00000133710	SPINK5	serine peptidase inhibitor, Kazal type 5	11005	361.1875416	1.909815055	0.938842276	2.034223536	0.041929063	0.999371363	Not Sig
ENSG00000075429	CACNG5	calcium voltage-gated channel auxiliary subunit gamma 5	27091	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000079557	AFM	afamin	173	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000101327	PDYN	prodynorphin	5173	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000121388	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000136694	IL36A	interleukin 36 alpha	27179	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000140522	RLBP1	retinaldehyde binding protein 1	6017	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000147432	CHRNB3	cholinergic receptor nicotinic beta 3 subunit	1142	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000147465	STAR	steroidogenic acute regulatory protein	6770	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000168955	TM4SF20	transmembrane 4 L six family member 20	79853	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000169469	SPRR1B	small proline rich protein 1B	6699	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000183130	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000196350	ZNF729	zinc finger protein 729	100287226	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000197595	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000198033	TUBA3C	tubulin alpha 3c	7278	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000198471	RTP2	receptor transporter protein 2	344892	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000199276	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000199335	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000199420	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000200106	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000201524	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000203855	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000204347	BTBD17	BTB domain containing 17	388419	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA

ENSG00000204979	MS4A13	membrane spanning 4-domains A13	503497	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000207414	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000207752	MIR199A1	microRNA 199a-1	406976	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000212377	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000212623	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000213002	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000213880	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000214024	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000215545	DEFB116	defensin beta 116	245930	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000216020	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000216067	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000221094	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000221128	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000221387	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000222649	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000222658	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000222990	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000224414	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000224509	LOC102724691	uncharacterized LOC102724691	102724691	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000225279	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000225639	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000226485	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000227176	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000227241	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000227776	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000227800	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000228060	LOC101929516	uncharacterized LOC101929516	101929516	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000228399	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000229369	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000229738	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000230668	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000231929	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000232132	NDFIP2-AS1	NDFIP2 antisense RNA 1	100874208	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000232789	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000232794	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA

ENSG00000233069	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000233231	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000233711	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000234158	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000234702	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000235298	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000235447	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000235857	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000236957	LOC105371458	uncharacterized LOC105371458	105371458	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000237042	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000237202	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000237934	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000237952	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000238561	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000238734	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000238816	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000240359	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000240787	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000243438	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000243488	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000244652	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000249851	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000250129	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000252027	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000252105	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000252408	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000252886	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000252968	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000254420	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000254458	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000254668	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000254722	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000255307	OR52B2	olfactory receptor family 52 subfamily B member 2	255725	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000257157	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000257645	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA

ENSG00000258039	LOC101928937	uncharacterized LOC101928937	101928937	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000258239	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000258988	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000259466	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000260103	LOC101929333	uncharacterized LOC101929333	101929333	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000260247	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000262372	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000264387	MIR5007	microRNA 5007	100846996	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000264833	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000265194	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000265398	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000265518	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000266223	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000266478	MIR5197	microRNA 5197	100846991	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000266534	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000266611	MIR4703	microRNA 4703	100616423	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000266620	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000267424	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000267979	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000268130	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000268819	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000269332	GOLGA2P9	golgin A2 pseudogene 9	440518	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000270257	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000270432	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000270623	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000270920	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000271415	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000271536	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000272483	NA	NA	NA	0.368410666	1.911388044	4.02185598	0.475250246	0.634608617	NA	NA
ENSG00000174514	MFSD4A	major facilitator superfamily domain containing 4A	148808	1351.889672	1.911422045	0.88007456	2.171886488	0.029864226	0.897727832	Not Sig
ENSG00000248803	NA	NA	NA	11.3159457	1.914799657	0.991234062	1.93173311	0.053392456	0.999371363	Not Sig
ENSG00000265976	MIR4725	microRNA 4725	100616449	2.212358676	1.916199534	2.393167494	0.800695956	0.423307684	NA	NA
ENSG00000229862	NA	NA	NA	1.569596633	1.919198126	2.005395281	0.957017374	0.338558486	NA	NA
ENSG00000233631	NA	NA	NA	35.93632309	1.920512161	0.950132148	2.021310578	0.043247625	0.999371363	Not Sig
ENSG00000132321	IQCA1	IQ motif containing with AAA domain 1	79781	265.3415242	1.920761163	1.119227002	1.716149771	0.086134634	0.999371363	Not Sig

ENSG00000181374	CCL13	C-C motif chemokine ligand 13	6357	154.345993	1.922759943	1.00361434	1.915835463	0.055386042	0.999371363	Not Sig
ENSG00000152128	TMEM163	transmembrane protein 163	81615	647.1686212	1.92529774	0.727755331	2.645528872	0.008156333	0.446576942	Not Sig
ENSG00000273328	NA	NA	NA	13.66265425	1.926384593	1.396168979	1.379764644	0.167659122	0.999371363	Not Sig
ENSG00000153404	PLEKHG4B	pleckstrin homology and RhoGEF domain containing G4B	153478	293.1820289	1.93271869	1.04578139	1.848109661	0.06458648	0.999371363	Not Sig
ENSG00000109339	MAPK10	mitogen-activated protein kinase 10	5602	477.6377072	1.93617057	0.761484122	2.542627632	0.011002241	0.518918434	Not Sig
ENSG00000154252	GAL3ST2	galactose-3-O-sulfotransferase 2	64090	8.474698706	1.936419379	1.243014414	1.557841452	0.119270837	0.999371363	Not Sig
ENSG00000215057	NA	NA	NA	3.99550812	1.943052865	1.40567617	1.382290534	0.166882511	NA	NA
ENSG00000242097	NA	NA	NA	10.27640883	1.94358112	1.1436258	1.699490446	0.089226813	0.999371363	Not Sig
ENSG00000259251	NA	NA	NA	5.082092201	1.947101056	1.162703968	1.674631814	0.094006493	NA	NA
ENSG00000201950	SNORD113-9	small nucleolar RNA, C/D box 113-9	767569	1.936461399	1.955044788	2.204629754	0.88679053	0.375191687	NA	NA
ENSG00000107105	ELAVL2	ELAV like RNA binding protein 2	1993	10.75708105	1.955963059	1.60585426	1.218020282	0.223216265	0.999371363	Not Sig
ENSG00000128040	SPINK2	serine peptidase inhibitor, Kazal type 2	6691	15.46399195	1.956463954	1.785649566	1.095659525	0.273227802	0.999371363	Not Sig
ENSG00000270326	NA	NA	NA	5.052910338	1.956708149	1.196660655	1.635140372	0.102019625	NA	NA
ENSG00000169668	NA	NA	NA	0.87173697	1.958041966	3.145993739	0.622392201	0.533684008	NA	NA
ENSG00000225043	NA	NA	NA	0.87173697	1.958041966	3.145993739	0.622392201	0.533684008	NA	NA
ENSG00000264473	NA	NA	NA	0.87173697	1.958041966	3.145993739	0.622392201	0.533684008	NA	NA
ENSG00000254578	NA	NA	NA	0.888043761	1.958200523	3.128902324	0.62584265	0.531418154	NA	NA
ENSG00000213409	NA	NA	NA	0.930111593	1.958603008	3.086870643	0.634494682	0.525758036	NA	NA
ENSG00000006283	CACNA1G	calcium voltage-gated channel subunit alphas 1G	8913	27.63965743	1.9601021	0.666925003	2.939014269	0.003292579	0.254376989	Not Sig
ENSG00000162595	DIRAS3	DIRAS family GTPase 3	9077	74.02161612	1.960737494	0.88136935	2.224649058	0.026104807	0.837114088	Not Sig
ENSG00000137707	BTG4	BTG anti-proliferation factor 4	54766	3.848584555	1.962769333	1.860024382	1.055238496	0.291316262	NA	NA
ENSG00000111262	KCNA1	potassium voltage-gated channel subfamily A member 1	3736	12.77107242	1.963216591	1.430481742	1.372416392	0.16993385	0.999371363	Not Sig
ENSG00000232628	LOC101927143	uncharacterized LOC101927143	101927143	4.963525867	1.965976734	1.192593052	1.648489173	0.099252331	NA	NA
ENSG00000264468	MIR4520-1	microRNA 4520-1	100616401	4.205640108	1.967583376	1.460184031	1.347489997	0.177822473	NA	NA
ENSG00000089847	ANKRD24	ankyrin repeat domain 24	170961	174.8776135	1.967642654	0.879058322	2.238352797	0.025198058	0.819946097	Not Sig
ENSG00000260018	NA	NA	NA	11.38080559	1.967684218	0.933601926	2.107626563	0.035063304	0.965765073	Not Sig
ENSG00000259038	NA	NA	NA	5.225125275	1.968935333	1.243319066	1.583612273	0.113281979	NA	NA
ENSG00000144648	ACKR2	atypical chemokine receptor 2	1238	131.9512564	1.969025534	0.778104678	2.530540671	0.011388688	0.527271136	Not Sig
ENSG00000214514	KRT42P	keratin 42 pseudogene	284116	7.597515698	1.970017291	1.179519428	1.670186386	0.094882493	0.999371363	Not Sig
ENSG00000184612	NA	NA	NA	0.878174505	1.970074324	3.086237536	0.638341767	0.523251229	NA	NA
ENSG00000262636	NA	NA	NA	0.878174505	1.970074324	3.086237536	0.638341767	0.523251229	NA	NA
ENSG00000265450	MIR4502	microRNA 4502	100616227	0.878174505	1.970074324	3.086237536	0.638341767	0.523251229	NA	NA
ENSG00000213683	NA	NA	NA	0.894481297	1.970226299	3.069200579	0.641934683	0.520915594	NA	NA
ENSG00000178395	CCDC185	coiled-coil domain containing 185	164127	5.78760928	1.971038459	2.079661128	0.947769053	0.343247038	NA	NA
ENSG00000179344	HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	3119	4665.680458	1.973886763	0.785945937	2.511479059	0.012022642	0.550076239	Not Sig

ENSG00000228991	NA	NA	NA	7.212427942	1.97868308	1.749094329	1.131261503	0.257945042	0.999371363	Not Sig
ENSG00000238826	NA	NA	NA	2.531176844	1.979160849	1.687310152	1.172968021	0.24080863	NA	NA
ENSG00000235508	NA	NA	NA	1.748094388	1.980743871	1.938400789	1.021844338	0.306854581	NA	NA
ENSG00000252546	NA	NA	NA	1.748094388	1.980743871	1.938400789	1.021844338	0.306854581	NA	NA
ENSG00000225419	NA	NA	NA	0.884612041	1.981508106	3.081278582	0.64307983	0.520172302	NA	NA
ENSG00000240606	NA	NA	NA	0.884612041	1.981508106	3.081278582	0.64307983	0.520172302	NA	NA
ENSG00000254727	NA	NA	NA	0.884612041	1.981508106	3.081278582	0.64307983	0.520172302	NA	NA
ENSG00000262211	NA	NA	NA	0.884612041	1.981508106	3.081278582	0.64307983	0.520172302	NA	NA
ENSG00000164756	SLC30A8	solute carrier family 30 member 8	169026	0.900918833	1.981643196	3.064427227	0.646660224	0.517851872	NA	NA
ENSG00000252919	NA	NA	NA	0.900918833	1.981643196	3.064427227	0.646660224	0.517851872	NA	NA
ENSG00000261505	NA	NA	NA	0.900918833	1.981643196	3.064427227	0.646660224	0.517851872	NA	NA
ENSG00000261407	NA	NA	NA	1.69060444	1.983955184	2.269361835	0.874234842	0.381990375	NA	NA
ENSG00000260372	NA	NA	NA	7.9965691	1.984387615	1.137981375	1.743778642	0.081197696	0.999371363	Not Sig
ENSG00000176826	FKBP9P1	FK506 binding protein 9 pseudogene 1	360132	53.55776927	1.984657023	0.988461205	2.007824903	0.044661901	0.999371363	Not Sig
ENSG00000225147	NA	NA	NA	1.684166904	1.98537623	2.612256952	0.760023331	0.447240639	NA	NA
ENSG00000265345	MIR5188	microRNA 5188	100847004	4.531614873	1.986197943	1.559740852	1.273415351	0.202870693	NA	NA
ENSG00000179934	CCR8	C-C motif chemokine receptor 8	1237	28.72865568	1.988074518	0.966201149	2.0576197	0.039626654	0.999371363	Not Sig
ENSG00000146216	TTBK1	tau tubulin kinase 1	84630	13.23083271	1.988524881	0.83791626	2.373178533	0.017635737	0.673156557	Not Sig
ENSG00000229257	NA	NA	NA	1.674557938	1.988920626	2.251765176	0.883271776	0.377089449	NA	NA
ENSG00000244390	NA	NA	NA	1.818155355	1.990460844	2.289665442	0.869323879	0.384670005	NA	NA
ENSG00000211699	NA	NA	NA	7.586528655	1.990869481	1.022048287	1.947921156	0.051424398	0.999371363	Not Sig
ENSG00000205667	ARSH	arylsulfatase family member H	347527	12.48867045	1.991622123	1.368376711	1.455463328	0.145541035	0.999371363	Not Sig
ENSG00000095596	CYP26A1	cytochrome P450 family 26 subfamily A member 1	1592	2.59852515	1.992448511	1.885435993	1.056757438	0.290622303	NA	NA
ENSG00000229780	UBE2Q1-AS1	UBE2Q1 antisense RNA 1	100874097	0.891049577	1.992488078	3.131087248	0.636356613	0.524544013	NA	NA
ENSG00000235974	NA	NA	NA	0.891049577	1.992488078	3.131087248	0.636356613	0.524544013	NA	NA
ENSG00000264115	MIR3180-4	microRNA 3180-4	100500852	0.907356368	1.992599265	3.114544584	0.639772272	0.522320662	NA	NA
ENSG00000215105	NA	NA	NA	434.8511061	1.993406895	0.677742816	2.941243859	0.003268971	0.254112027	Not Sig
ENSG00000273391	NA	NA	NA	6.643647563	1.993798253	1.281124539	1.556287615	0.119639715	0.999371363	Not Sig
ENSG00000208009	MIR130A	microRNA 130a	406919	1.581752644	2.000344237	2.205843181	0.906838824	0.364492036	NA	NA
ENSG00000008735	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	23542	233.2338269	2.005053644	0.950755161	2.1089064	0.034952662	0.965260677	Not Sig
ENSG00000198597	ZNF536	zinc finger protein 536	9745	28.91389969	2.011178787	1.152762327	1.744660404	0.081044	0.999371363	Not Sig
ENSG00000203724	Clorf53	chromosome 1 open reading frame 53	388722	55.86975103	2.011267007	0.673620721	2.985755848	0.002828784	0.235821761	Not Sig
ENSG00000234477	NA	NA	NA	1.990674344	2.01146978	2.068606725	0.97237902	0.330862025	NA	NA
ENSG00000108679	LGALS3BP	galectin 3 binding protein	3959	21162.62375	2.012583385	0.715625741	2.812340682	0.004918238	0.324638365	Not Sig
ENSG00000171462	DLK2	delta like non-canonical Notch ligand 2	65989	11.91677046	2.014148865	1.128464384	1.784858161	0.074284326	0.999371363	Not Sig

ENSG00000169676	DRD5	dopamine receptor D5	1816	1.789432262	2.016361877	1.920614239	1.049852613	0.293785881	NA	NA
ENSG00000261239	NA	NA	NA	0.906637308	2.018224419	3.119258654	0.64702054	0.51761865	NA	NA
ENSG00000263637	NA	NA	NA	0.965011932	2.018440707	3.063411269	0.658886623	0.509968576	NA	NA
ENSG00000227145	IL21-AS1	IL21 antisense RNA 1	100996941	3.384214695	2.022293707	1.715709754	1.178692202	0.238520762	NA	NA
ENSG00000189167	ZAR1L	zygote arrest 1 like	646799	1.680735184	2.025735173	2.058088325	0.984279998	0.324977861	NA	NA
ENSG00000143473	KCNH1	potassium voltage-gated channel subfamily H member 1	3756	2.527441071	2.027740372	1.688027573	1.201248371	0.229654871	NA	NA
ENSG00000188039	NWD1	NACHT and WD repeat domain containing 1	284434	305.9211515	2.028004643	1.048116734	1.934903411	0.05300215	0.999371363	Not Sig
ENSG00000254967	NA	NA	NA	2.792610637	2.028157921	1.750450801	1.158648914	0.246599322	NA	NA
ENSG00000108759	KRT32	keratin 32	3882	1.658251147	2.030366315	2.040648213	0.994961455	0.319755012	NA	NA
ENSG00000228348	NA	NA	NA	0.913074844	2.03115982	2.659377847	0.763772558	0.445002793	NA	NA
ENSG00000197233	OR1J2	olfactory receptor family 1 subfamily J member 2	26740	0.929381636	2.031222779	2.647274759	0.767288236	0.442910161	NA	NA
ENSG00000225235	INTS6L-AS1	INTS6L antisense RNA 1	100874118	1.722333348	2.032036612	2.147838636	0.946084393	0.344105543	NA	NA
ENSG00000119946	CNNM1	cyclin and CBS domain divalent metal cation transport mediator 1	26507	57.00202343	2.033917983	0.879713944	2.312021989	0.020776472	0.7308327	Not Sig
ENSG00000230098	TCERG1L-AS1	TCERG1L antisense RNA 1	101927489	0.91951238	2.041917058	2.616694848	0.780342064	0.43518956	NA	NA
ENSG00000179930	ZNF648	zinc finger protein 648	127665	0.935819171	2.041965761	2.604694545	0.78395594	0.433065964	NA	NA
ENSG00000264106	NA	NA	NA	0.935819171	2.041965761	2.604694545	0.78395594	0.433065964	NA	NA
ENSG00000139445	FOXN4	forkhead box N4	121643	3.342252436	2.046478486	1.549930491	1.320367912	0.186712211	NA	NA
ENSG00000250859	NA	NA	NA	0.925949915	2.052298924	2.653261723	0.77350037	0.43922631	NA	NA
ENSG00000184224	C11orf72	chromosome 11 open reading frame 72 (putative)	100505621	0.942256707	2.052328745	2.641406018	0.776983444	0.437168538	NA	NA
ENSG00000248713	LOC285556	uncharacterized LOC285556	285556	12.56187214	2.055442722	1.206553553	1.703565264	0.088462336	0.999371363	Not Sig
ENSG00000202408	NA	NA	NA	10.0528115	2.057694738	1.114006772	1.847111517	0.06473098	0.999371363	Not Sig
ENSG00000172264	MACROD2	MACRO domain containing 2	140733	978.5034085	2.061694177	0.706307129	2.918976875	0.003511823	0.266411951	Not Sig
ENSG00000232192	KIF26B-AS1	KIF26B antisense RNA 1	111216275	6.741430477	2.065727585	1.21790772	1.696128163	0.089861611	0.999371363	Not Sig
ENSG00000259405	NA	NA	NA	1.834036241	2.067194291	2.254223299	0.91703173	0.359126014	NA	NA
ENSG00000185275	NA	NA	NA	1399.873252	2.075068595	0.771738728	2.688822681	0.00717045	0.414526701	Not Sig
ENSG00000211935	NA	NA	NA	576.35756	2.076709676	1.155738586	1.796867995	0.072356579	0.999371363	Not Sig
ENSG00000188687	SLC4A5	solute carrier family 4 member 5	57835	143.2232112	2.078025749	0.773108982	2.687882043	0.007190679	0.414526701	Not Sig
ENSG00000143869	GDF7	growth differentiation factor 7	151449	47.91684642	2.084585834	1.03652983	2.011119963	0.044312787	0.999371363	Not Sig
ENSG00000206895	NA	NA	NA	1.006349806	2.086819671	2.983510086	0.699451187	0.484270108	NA	NA
ENSG00000224194	NA	NA	NA	1.006349806	2.086819671	2.983510086	0.699451187	0.484270108	NA	NA
ENSG00000238906	NA	NA	NA	1.006349806	2.086819671	2.983510086	0.699451187	0.484270108	NA	NA
ENSG00000238123	NA	NA	NA	0.947975182	2.086930893	3.036261344	0.687335725	0.491871191	NA	NA
ENSG00000253965	NA	NA	NA	0.947975182	2.086930893	3.036261344	0.687335725	0.491871191	NA	NA
ENSG00000265480	KRT18P55	keratin 18 pseudogene 55	284085	0.947975182	2.086930893	3.036261344	0.687335725	0.491871191	NA	NA
ENSG00000265152	NA	NA	NA	2.760151772	2.090354769	1.526760927	1.369143481	0.170954429	NA	NA

ENSG00000080854	IGSF9B	immunoglobulin superfamily member 9B	22997	418.5224134	2.091428901	0.725613014	2.882292437	0.003947931	0.281664993	Not Sig
ENSG00000223991	NA	NA	NA	1.012787341	2.095802646	2.561337616	0.81824537	0.413217093	NA	NA
ENSG00000239626	NA	NA	NA	1.012787341	2.095802646	2.561337616	0.81824537	0.413217093	NA	NA
ENSG00000255123	NA	NA	NA	1.012787341	2.095802646	2.561337616	0.81824537	0.413217093	NA	NA
ENSG00000256339	NA	NA	NA	1.012787341	2.095802646	2.561337616	0.81824537	0.413217093	NA	NA
ENSG00000176716	NA	NA	NA	0.954412718	2.095996576	2.600734804	0.805924761	0.420286233	NA	NA
ENSG00000260410	NA	NA	NA	0.954412718	2.095996576	2.600734804	0.805924761	0.420286233	NA	NA
ENSG00000230160	NA	NA	NA	2.903749188	2.09616744	1.63459649	1.28237608	0.199710751	NA	NA
ENSG00000237260	NA	NA	NA	2.821062542	2.099077408	1.682952147	1.247259116	0.212302503	NA	NA
ENSG00000066230	SLC9A3	solute carrier family 9 member A3	6550	1.661256962	2.099965171	2.227806882	0.942615443	0.345877638	NA	NA
ENSG00000240086	NA	NA	NA	8.099859466	2.104087451	1.412702426	1.489405987	0.136380493	0.999371363	Not Sig
ENSG00000273274	ZBTB8B	zinc finger and BTB domain containing 8B	728116	12.0797072	2.105892846	1.294575912	1.626704797	0.103799809	0.999371363	Not Sig
ENSG00000226241	NA	NA	NA	1.019224877	2.105921354	2.558962359	0.822959098	0.410531254	NA	NA
ENSG00000234457	NA	NA	NA	1.019224877	2.105921354	2.558962359	0.822959098	0.410531254	NA	NA
ENSG00000264044	NA	NA	NA	1.019224877	2.105921354	2.558962359	0.822959098	0.410531254	NA	NA
ENSG00000235912	NA	NA	NA	0.960850254	2.106164322	2.597975511	0.810694448	0.417541163	NA	NA
ENSG00000237268	NA	NA	NA	4.207196906	2.107313203	1.891701185	1.113977842	0.265288693	NA	NA
ENSG00000211806	NA	NA	NA	1.811446632	2.111883749	2.197164691	0.961185913	0.336458698	NA	NA
ENSG00000121454	LHX4	LIM homeobox 4	89884	3.440255626	2.113165945	1.582394923	1.335422602	0.181738071	NA	NA
ENSG00000062282	DGAT2	diacylglycerol O-acyltransferase 2	84649	223.2777718	2.115272552	0.752237462	2.811974489	0.004923841	0.324638365	Not Sig
ENSG00000172738	TMEM217	transmembrane protein 217	221468	33.22803462	2.115384229	0.857643239	2.46650837	0.013643754	0.588410252	Not Sig
ENSG00000228974	NA	NA	NA	1.025662413	2.118434477	2.97233877	0.712716363	0.476021289	NA	NA
ENSG00000264268	MIR4767	microRNA 4767	100616467	40.76722163	2.133387182	0.724657565	2.943993529	0.003240068	0.253429647	Not Sig
ENSG00000179914	ITLN1	intelectin 1	55600	23.10490519	2.139929534	1.228488576	1.74192058	0.081522342	0.999371363	Not Sig
ENSG00000186281	GPAT2	glycerol-3-phosphate acyltransferase 2, mitochondrial	150763	209.7517944	2.142785237	1.146816671	1.868463628	0.061697475	0.999371363	Not Sig
ENSG00000212391	NA	NA	NA	1.705766267	2.145162773	2.638122105	0.813140062	0.416137759	NA	NA
ENSG00000122691	TWIST1	twist family bHLH transcription factor 1	7291	11.15525131	2.150735947	1.043920565	2.060248661	0.039374775	0.999371363	Not Sig
ENSG00000183260	ABHD16B	abhydrolase domain containing 16B	140701	1.724620103	2.152642322	2.152778211	0.999936877	0.317341057	NA	NA
ENSG00000232736	NA	NA	NA	1.724620103	2.152642322	2.152778211	0.999936877	0.317341057	NA	NA
ENSG00000225098	NA	NA	NA	0.989313056	2.152676279	3.00952415	0.715287923	0.474431149	NA	NA
ENSG00000227757	NA	NA	NA	5.47117379	2.152945673	1.244506641	1.729959168	0.083637571	NA	NA
ENSG00000230650	NA	NA	NA	61.24166837	2.154249134	0.86387884	2.493693598	0.012642162	0.558606133	Not Sig
ENSG00000241356	NA	NA	NA	2.734130442	2.156851683	1.824084727	1.18242955	0.237035304	NA	NA
ENSG00000266911	NA	NA	NA	2.734130442	2.156851683	1.824084727	1.18242955	0.237035304	NA	NA
ENSG00000171126	KCNGB	potassium voltage-gated channel modifier subfamily G member 3	170850	34.47631188	2.157858451	1.096057264	1.968746088	0.048982256	0.999371363	Not Sig

ENSG00000233484	NA	NA	NA	1.054125215	2.158396329	2.585295419	0.834874155	0.403788568	NA	NA
ENSG00000240452	NA	NA	NA	1.054125215	2.158396329	2.585295419	0.834874155	0.403788568	NA	NA
ENSG00000234906	APOC2	apolipoprotein C2	344	1.012057384	2.158758886	2.611647514	0.826588915	0.408470102	NA	NA
ENSG00000259262	NA	NA	NA	1.012057384	2.158758886	2.611647514	0.826588915	0.408470102	NA	NA
ENSG00000236359	NA	NA	NA	0.995750592	2.158901638	2.622300323	0.823285426	0.4103457	NA	NA
ENSG00000245293	LOC101929595	uncharacterized LOC101929595	101929595	1.711745032	2.162113277	2.589392665	0.834988569	0.403724144	NA	NA
ENSG00000261202	NA	NA	NA	2.006085563	2.163629142	2.258744928	0.957889983	0.338118238	NA	NA
ENSG00000240790	NA	NA	NA	1.737495174	2.164241346	2.151611082	1.005870143	0.31447804	NA	NA
ENSG00000100350	FOXRED2	FAD dependent oxidoreductase domain containing 2	80020	700.5330423	2.164254716	0.652772159	3.31548257	0.00091485	0.112948155	Not Sig
ENSG00000073734	ABCB11	ATP binding cassette subfamily B member 11	8647	2.737396547	2.165419594	1.699071517	1.274472306	0.202496081	NA	NA
ENSG00000101278	NA	NA	NA	2.197458389	2.165536438	2.50337503	0.865046752	0.387013129	NA	NA
ENSG00000178934	LGALS7	galectin 7	3963	2.935467198	2.169903999	1.748918504	1.2407119	0.214712197	NA	NA
ENSG00000178934	LGALS7B	galectin 7B	653499	2.935467198	2.169903999	1.748918504	1.2407119	0.214712197	NA	NA
ENSG00000258260	NA	NA	NA	1.002188128	2.173054673	3.001638715	0.723956105	0.469092684	NA	NA
ENSG00000268400	NA	NA	NA	1.002188128	2.173054673	3.001638715	0.723956105	0.469092684	NA	NA
ENSG00000199151	MIR337	microRNA 337	442905	2.03082349	2.182193011	2.256234416	0.967183638	0.33345224	NA	NA
ENSG00000176381	PRR18	proline rich 18	285800	31.18130353	2.183081606	1.00595399	2.170160491	0.02999469	0.897727832	Not Sig
ENSG00000100867	DHRS2	dehydrogenase/reductase 2	10202	11.71397333	2.187385736	1.158156217	1.888679354	0.058934807	0.999371363	Not Sig
ENSG00000144063	MALL	mal, T-cell differentiation protein like	7851	764.8324868	2.189200693	0.548900249	3.98833977	6.65E-05	0.01675809	FDR<0.05
ENSG00000065371	ROPN1	rhophilin associated tail protein 1	54763	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000183560	IZUM01R	IZUM01 receptor, JUNO	390243	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000207428	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000207558	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000207937	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000233293	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000236440	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000236555	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000237951	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000239057	MIR500B	microRNA 500b	100422911	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000240160	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000250299	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000255798	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000257179	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000263616	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000264311	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA

ENSG00000264882	NA	NA	NA	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000265847	MIR4287	microRNA 4287	100422828	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000266174	MIR4666A	microRNA 4666a	100616308	0.435039912	2.190182037	4.001893144	0.547286486	0.584181927	NA	NA
ENSG00000258227	CLEC5A	C-type lectin domain containing 5A	23601	277.185308	2.191298058	0.782856592	2.799105329	0.005124442	0.33036928	Not Sig
ENSG00000234241	NA	NA	NA	4.116318696	2.20415988	1.447669984	1.52255687	0.127869607	NA	NA
ENSG00000078328	RBFOX1	RNA binding fox-1 homolog 1	54715	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000170484	KRT74	keratin 74	121391	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000201896	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000213078	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000214318	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000215544	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000229827	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000230088	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000230707	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000230946	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000239570	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000252189	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000260798	NA	NA	NA	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000264658	MIR4798	microRNA 4798	100616471	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000264859	DSG2-AS1	DSG2 antisense RNA 1	100652770	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000265538	MIR4421	microRNA 4421	100616189	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000266802	MIR4419A	microRNA 4419a	100616177	0.441477448	2.209330207	4.000654928	0.552242132	0.580782472	NA	NA
ENSG00000138769	CDKL2	cyclin dependent kinase like 2	8999	442.1493846	2.209817791	0.683873885	3.231323553	0.001232184	0.134929477	Not Sig
ENSG00000234521	NA	NA	NA	1.848894015	2.211075664	1.91442518	1.154955382	0.248108698	NA	NA
ENSG00000126500	FLRT1	fibronectin leucine rich transmembrane protein 1	23769	1.756349011	2.215304703	2.546654107	0.869888336	0.38436143	NA	NA
ENSG00000215811	NA	NA	NA	1.046957722	2.216357256	3.024368321	0.732833115	0.463660222	NA	NA
ENSG00000239642	MEIKIN	meiotic kinetochore factor	728637	1.046957722	2.216357256	3.024368321	0.732833115	0.463660222	NA	NA
ENSG00000252312	NA	NA	NA	1.046957722	2.216357256	3.024368321	0.732833115	0.463660222	NA	NA
ENSG00000258915	NA	NA	NA	1.046957722	2.216357256	3.024368321	0.732833115	0.463660222	NA	NA
ENSG00000272020	NA	NA	NA	1.030650931	2.216513558	3.037682936	0.729672453	0.465590423	NA	NA
ENSG00000224458	NA	NA	NA	1.014604429	2.218030035	3.027252483	0.732687494	0.463749053	NA	NA
ENSG00000223893	NA	NA	NA	1.03091122	2.218155193	3.013578978	0.736053446	0.461698172	NA	NA
ENSG00000266383	MIR5002	microRNA 5002	100847021	3.630439724	2.220189974	1.663844958	1.334373112	0.182081608	NA	NA
ENSG00000269781	NA	NA	NA	6.922278046	2.223632405	1.473677213	1.508900583	0.131324191	0.999371363	Not Sig
ENSG00000226349	NA	NA	NA	1.095463089	2.225797674	2.988086097	0.744890743	0.456337771	NA	NA

ENSG00000151952	TMEM132D	transmembrane protein 132D	121256	23.38131189	2.225824205	1.188247534	1.873199094	0.061040897	0.999371363	Not Sig
ENSG00000233309	NA	NA	NA	3.845170365	2.226031242	2.229186692	0.998584484	0.31799602	NA	NA
ENSG00000255005	NA	NA	NA	1.053395258	2.22621007	3.020768563	0.736968101	0.461141748	NA	NA
ENSG00000207978	MIR154	microRNA 154	406946	1.021041964	2.228308301	2.961457585	0.752436338	0.451788701	NA	NA
ENSG00000216179	MIR541	microRNA 541	100126308	1.021041964	2.228308301	2.961457585	0.752436338	0.451788701	NA	NA
ENSG00000155918	RAET1L	retinoic acid early transcript 1L	154064	1.079416588	2.228748289	2.913908731	0.764865511	0.444351633	NA	NA
ENSG00000238673	NA	NA	NA	2.014516699	2.228792195	2.258433184	0.986875419	0.323703716	NA	NA
ENSG00000104313	EYA1	EYA transcriptional coactivator and phosphatase 1	2138	47.67349999	2.230719678	0.825020334	2.703835997	0.006854411	0.403353264	Not Sig
ENSG00000128253	RFPL2	ret finger protein like 2	10739	7.839195193	2.232438799	2.018942369	1.105746669	0.268836184	0.999371363	Not Sig
ENSG00000118017	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	51146	1.775661618	2.233279895	2.560136092	0.872328585	0.383029148	NA	NA
ENSG00000231439	WASIR2	WASH and IL9R antisense RNA 2	100132169	8.050083531	2.234388611	1.00893132	2.214609229	0.026786898	0.841215479	Not Sig
ENSG00000223392	CLDN10-AS1	CLDN10 antisense RNA 1	100874194	40.91860556	2.237598508	1.191670935	1.877698316	0.060422447	0.999371363	Not Sig
ENSG00000182389	CACNB4	calcium voltage-gated channel auxiliary subunit beta 4	785	313.1640731	2.238017835	0.72593756	3.082934345	0.002049704	0.18704289	Not Sig
ENSG00000204807	NA	NA	NA	1.0274795	2.238073295	2.941792946	0.760785458	0.446785221	NA	NA
ENSG00000120669	SOHLH2	spermatogenesis and oogenesis specific basic helix-loop-helix 2	54937	1.043786291	2.238188463	2.928210128	0.764353774	0.444656448	NA	NA
ENSG00000244623	OR2AE1	olfactory receptor family 2 subfamily AE member 1	81392	3.23471247	2.239147805	1.638267271	1.366778086	0.171694874	NA	NA
ENSG00000170893	TRH	thyrotropin releasing hormone	7200	1.782099153	2.240191024	2.593699032	0.863705078	0.387749923	NA	NA
ENSG00000144908	ALDH1L1	aldehyde dehydrogenase 1 family member L1	10840	173.1676996	2.243204646	0.652852366	3.436006001	0.000590358	0.080808445	Not Sig
ENSG00000186377	CYP4X1	cytochrome P450 family 4 subfamily X member 1	260293	434.3913717	2.244696995	0.89794276	2.499821921	0.012425575	0.556126761	Not Sig
ENSG00000214892	NA	NA	NA	3.154583767	2.248474011	1.618072032	1.389600689	0.164650166	NA	NA
ENSG00000225259	NA	NA	NA	4.67523823	2.255236773	1.472613766	1.531451644	0.125657809	NA	NA
ENSG00000231852	CYP21A2	cytochrome P450 family 21 subfamily A member 2	1589	60.53347106	2.255785568	1.270277115	1.775821623	0.075762323	0.999371363	Not Sig
ENSG00000260762	NA	NA	NA	1.040354571	2.256640518	3.01206944	0.749199367	0.453737051	NA	NA
ENSG00000231864	NA	NA	NA	3.205625282	2.26259868	1.953218952	1.158394801	0.24670296	NA	NA
ENSG00000092621	PHGDH	phosphoglycerate dehydrogenase	26227	563.6179828	2.265326327	0.966569637	2.343676277	0.019094737	0.704728852	Not Sig
ENSG00000214369	NA	NA	NA	2.787260231	2.265726207	2.002554387	1.131418064	0.257879172	NA	NA
ENSG00000164509	IL31RA	interleukin 31 receptor A	133396	105.0092196	2.267736916	1.245125072	1.821292469	0.068562411	0.999371363	Not Sig
ENSG00000152977	ZIC1	Zic family member 1	7545	1.049504767	2.268940249	3.006659119	0.754638341	0.450466012	NA	NA
ENSG00000250033	SLC7A11-AS1	SLC7A11 antisense RNA 1	641364	1.049504767	2.268940249	3.006659119	0.754638341	0.450466012	NA	NA
ENSG00000223287	NA	NA	NA	1.10787939	2.269154755	2.961433411	0.766235279	0.44353632	NA	NA
ENSG00000227018	NA	NA	NA	1.055942303	2.280660069	2.569976788	0.887424384	0.37485046	NA	NA
ENSG00000251074	NA	NA	NA	1.055942303	2.280660069	2.569976788	0.887424384	0.37485046	NA	NA
ENSG00000105467	SYNGR4	synaptogyrin 4	23546	1.072249094	2.280728522	2.560167803	0.890851185	0.373009011	NA	NA
ENSG00000184486	POU3F2	POU class 3 homeobox 2	5454	18.66002373	2.283172244	3.47189319	0.657615923	0.51078496	0.999371363	Not Sig
ENSG00000228594	FNDC10	fibronectin type III domain containing 10	643988	300.907063	2.286760303	1.052411864	2.17287583	0.029789664	0.897727832	Not Sig

ENSG00000227050	NA	NA	NA	1. 986042998	2. 287269142	2. 1337019	1. 071972211	0. 283732514	NA	NA
ENSG00000175229	GAL3ST3	galactose-3-O-sulfotransferase 3	89792	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000202285	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000222591	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000236068	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000237906	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000241464	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000249197	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000250538	LOC107986321	uncharacterized LOC107986321	107986321	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000252854	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000254095	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000254873	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000260648	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000264566	MIR23C	microRNA 23c	100500809	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000265086	NA	NA	NA	0. 46994025	2. 289230995	3. 995657665	0. 572929712	0. 566692286	NA	NA
ENSG00000187616	MYMK	myomaker, myoblast fusion factor	389827	1. 858337366	2. 289689756	2. 220033057	1. 031376424	0. 302364332	NA	NA
ENSG00000254373	NA	NA	NA	1. 062379838	2. 290007158	2. 512576435	0. 911417908	0. 362075221	NA	NA
ENSG00000146147	MLIP	muscular LMNA interacting protein	90523	1. 07868663	2. 290069024	2. 502821781	0. 914994844	0. 360194337	NA	NA
ENSG00000164400	CSF2	colony stimulating factor 2	1437	18. 9735834	2. 297357556	1. 210126395	1. 898444299	0. 057637579	0. 999371363	Not Sig
ENSG00000239122	NA	NA	NA	1. 068817374	2. 298910099	2. 510358125	0. 915769776	0. 359787659	NA	NA
ENSG00000102055	PPP1R2P9	protein phosphatase 1 regulatory inhibitor subunit 2 pseudogene 9	80316	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000159123	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000196778	OR52K1	olfactory receptor family 52 subfamily K member 1	390036	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000225988	LAMP5-AS1	LAMP5 antisense RNA 1	101929329	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000231340	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000233205	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000235150	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000239126	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000253355	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000253817	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000257127	CLLU1	chronic lymphocytic leukemia up-regulated 1	574028	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000263326	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000266718	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000267623	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA
ENSG00000267913	NA	NA	NA	0. 476377786	2. 307081485	3. 719778631	0. 620220103	0. 535112888	NA	NA

ENSG00000270538	NA	NA	NA	0.476377786	2.307081485	3.719778631	0.620220103	0.535112888	NA	NA
ENSG00000243187	NA	NA	NA	1.075254909	2.30756021	2.563086736	0.900305159	0.367957877	NA	NA
ENSG00000124143	ARHGAP40	Rho GTPase activating protein 40	343578	355.7604155	2.308244627	1.09417588	2.10957367	0.034895094	0.965260677	Not Sig
ENSG00000237805	NA	NA	NA	2.158103217	2.308283607	1.911803218	1.207385564	0.227283692	NA	NA
ENSG00000196666	FAM180B	family with sequence similarity 180 member B	399888	1.081692445	2.315587012	2.988906883	0.77472705	0.438500963	NA	NA
ENSG00000150676	CCDC83	coiled-coil domain containing 83	220047	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000163914	RHO	rhodopsin	6010	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000170419	VSTM2A	V-set and transmembrane domain containing 2A	222008	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000215160	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000218986	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000226723	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000228149	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000235241	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000235472	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000237126	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000238110	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000242976	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000255237	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000263417	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000264062	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000265064	MIR4692	microRNA 4692	100616410	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000265528	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000265810	MIR3907	microRNA 3907	100500835	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000265850	MIR4797	microRNA 4797	100616216	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000267125	NA	NA	NA	0.482815322	2.325274103	3.993490302	0.58226612	0.560387443	NA	NA
ENSG00000251193	NA	NA	NA	1.107149433	2.327459831	2.910125439	0.7997799	0.423838331	NA	NA
ENSG00000159197	KCNE2	potassium voltage-gated channel subfamily E regulatory subunit 2	9992	2.36878865	2.328270635	2.075470251	1.121803906	0.261945825	NA	NA
ENSG00000099998	GGT5	gamma-glutamyltransferase 5	2687	1075.26187	2.331188365	0.587446637	3.968340646	7.24E-05	0.017870906	FDR<0.05
ENSG00000151364	KCTD14	potassium channel tetramerization domain containing 14	65987	212.8292579	2.333647293	0.577620495	4.040104725	5.34E-05	0.013730826	FDR<0.05
ENSG00000258983	NA	NA	NA	1.1556548	2.336082011	2.468233763	0.946458981	0.343914535	NA	NA
ENSG00000196407	THEM5	thioesterase superfamily member 5	284486	1.113586968	2.336112228	2.491310675	0.937704097	0.348396498	NA	NA
ENSG00000115616	SLC9A2	solute carrier family 9 member A2	6549	28.06479472	2.3428747	1.213682792	1.930384706	0.053559189	0.999371363	Not Sig
ENSG00000254826	NA	NA	NA	5.024043134	2.347793283	1.358010826	1.728847251	0.083836437	NA	NA
ENSG00000228701	TNKS2-AS1	TNKS2 antisense RNA 1 (head to head)	100507633	1.110155248	2.353426256	2.496492267	0.942693189	0.345837858	NA	NA
ENSG00000201763	NA	NA	NA	2.077868942	2.355747412	2.127173694	1.107454186	0.268097609	NA	NA

ENSG00000226286	NA	NA	NA	9.946485742	2.3613608	1.1847302	1.993163339	0.046243564	0.999371363	Not Sig
ENSG00000198250	NA	NA	NA	1.116592784	2.363420629	2.909396793	0.812340425	0.41659632	NA	NA
ENSG00000188089	PLA2G4E	phospholipase A2 group IVE	123745	60.52252845	2.367680714	1.184799244	1.998381351	0.045675332	0.999371363	Not Sig
ENSG00000172020	GAP43	growth associated protein 43	2596	2.036270779	2.371947775	2.237532555	1.060072967	0.289111405	NA	NA
ENSG00000256356	NA	NA	NA	10.30761937	2.375551735	1.281070312	1.85434922	0.063689215	0.999371363	Not Sig
ENSG00000265249	NA	NA	NA	6.549202654	2.378753426	1.32592184	1.794037443	0.072807193	NA	NA
ENSG00000179869	ABCA13	ATP binding cassette subfamily A member 13	154664	1008.81451	2.387311576	0.626609214	3.80988904	0.000139029	0.029179907	FDR<0.05
ENSG00000200799	NA	NA	NA	1.196992674	2.389244376	2.456828338	0.972491378	0.330806152	NA	NA
ENSG00000232936	NA	NA	NA	1.196992674	2.389244376	2.456828338	0.972491378	0.330806152	NA	NA
ENSG00000187682	ERAS	ES cell expressed Ras	3266	1.138618051	2.389536867	2.487489159	0.960622023	0.336742251	NA	NA
ENSG00000233834	LOC100506098	uncharacterized LOC100506098	100506098	52.38545311	2.389960369	0.953796975	2.505732803	0.012219792	0.551555006	Not Sig
ENSG00000233984	NA	NA	NA	2.202446907	2.39159225	1.862460971	1.284103284	0.199105819	NA	NA
ENSG00000162068	NTN3	netrin 3	4917	9.003509976	2.392675491	1.225566454	1.952301715	0.050902394	0.999371363	Not Sig
ENSG00000213706	NA	NA	NA	3.124661049	2.396568124	1.581069228	1.515789493	0.12957259	NA	NA
ENSG00000259683	NA	NA	NA	1.161362378	2.397858835	2.47685535	0.968106125	0.332991371	NA	NA
ENSG00000236773	NA	NA	NA	1.145055586	2.397949325	2.485576768	0.96474563	0.334672234	NA	NA
ENSG00000254225	NA	NA	NA	1.145055586	2.397949325	2.485576768	0.96474563	0.334672234	NA	NA
ENSG00000099399	MAGEB2	MAGE family member B2	4113	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000152592	DMP1	dentin matrix acidic phosphoprotein 1	1758	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000165694	FRMD7	FERM domain containing 7	90167	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000186508	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000196240	OR2T2	olfactory receptor family 2 subfamily T member 2	401992	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000199867	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000201690	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000211137	MIR190A	microRNA 190a	406965	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000212485	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000215512	LOC6444669	ankyrin repeat domain 30B pseudogene	6444669	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000219549	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000226553	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000230741	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000239542	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000248716	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000250254	PTTG2	pituitary tumor-transforming 2	10744	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000263649	MIR3135B	microRNA 3135b	100616218	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000265317	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA

ENSG00000267958	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000269068	NA	NA	NA	0.511278125	2.400295797	3.989145173	0.601706805	0.54736932	NA	NA
ENSG00000253973	NA	NA	NA	3.478485128	2.405691263	1.928727334	1.247294639	0.212289483	NA	NA
ENSG00000176136	MC5R	melanocortin 5 receptor	4161	7.425092341	2.408451527	1.775258005	1.356676901	0.174883895	0.999371363	Not Sig
ENSG00000239443	NA	NA	NA	1.209867745	2.40943823	2.837340065	0.849189091	0.395776083	NA	NA
ENSG00000243151	NA	NA	NA	1965.509674	2.410192784	0.925598774	2.603928236	0.009216205	0.473712948	Not Sig
ENSG00000201839	SNORD114-3	small nucleolar RNA, C/D box 114-3	767579	2.316558408	2.413659001	2.215036398	1.08967013	0.275858478	NA	NA
ENSG00000258512	LINC00239	long intergenic non-protein coding RNA 239	145200	24.73736839	2.413860805	0.876287974	2.754643309	0.005875615	0.362704031	Not Sig
ENSG00000136099	PCDH8	protocadherin 8	5100	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000200847	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000221468	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000223662	SAMSN1-AS1	SAMSN1 antisense RNA 1	100874190	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000223977	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000224761	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000226753	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000228302	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000228944	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000232578	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000248642	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000252321	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000252354	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000253048	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000255107	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000257545	LOC100287944	uncharacterized LOC100287944	100287944	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000266206	MIR3926-1	microRNA 3926-1	100500870	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000272346	NA	NA	NA	0.51771566	2.417285819	3.988191437	0.606110779	0.544441194	NA	NA
ENSG00000197635	DPP4	dipeptidyl peptidase 4	1803	1592.355753	2.421793971	0.550362011	4.400365434	1.08E-05	0.003489512	FDR<0.05
ENSG00000188778	ADRB3	adrenoceptor beta 3	155	10.17870873	2.422888314	1.314631135	1.843017596	0.065326441	0.999371363	Not Sig
ENSG00000214128	TMEM213	transmembrane protein 213	155006	193.4424073	2.435670618	1.000678724	2.434018592	0.014932228	0.620110526	Not Sig
ENSG00000214018	NA	NA	NA	26.59102637	2.44863977	1.126779603	2.173131075	0.029770453	0.897727832	Not Sig
ENSG00000168959	GRM5	glutamate metabotropic receptor 5	2915	24.67119291	2.453268112	1.1207607	2.188931244	0.028601838	0.880642893	Not Sig
ENSG00000236348	NA	NA	NA	1.244768084	2.454511679	2.838129122	0.864834394	0.387129691	NA	NA
ENSG00000140955	ADAD2	adenosine deaminase domain containing 2	161931	1.186393461	2.454900956	2.87620177	0.853521815	0.393369995	NA	NA
ENSG00000167945	PRR25	proline rich 25	388199	1.170346959	2.455654443	2.837963589	0.865287508	0.386881005	NA	NA
ENSG00000227064	NA	NA	NA	10.56840806	2.459432404	1.002577899	2.453108539	0.01416276	0.602272823	Not Sig

ENSG00000185290	NUPR2	nuclear protein 2, transcriptional regulator	389493	26.32422463	2.460679018	1.247800305	1.972013477	0.048608068	0.999371363	Not Sig
ENSG00000235296	NA	NA	NA	1.176784494	2.46393101	2.835036501	0.869100278	0.384792285	NA	NA
ENSG00000236883	NA	NA	NA	1.176784494	2.46393101	2.835036501	0.869100278	0.384792285	NA	NA
ENSG00000242421	NA	NA	NA	1.176784494	2.46393101	2.835036501	0.869100278	0.384792285	NA	NA
ENSG00000272115	NA	NA	NA	1.235159118	2.464257393	2.795427375	0.881531538	0.378030192	NA	NA
ENSG00000230398	NA	NA	NA	3.050250822	2.473315959	2.269449508	1.089830794	0.275787687	NA	NA
ENSG00000264148	NA	NA	NA	2.211127435	2.477293345	2.450754722	1.010828755	0.312098398	NA	NA
ENSG00000182013	PNMA8A	PNMA family member 8A	55228	148.625069	2.482809019	0.884789258	2.806102127	0.00501448	0.327188303	Not Sig
ENSG00000259052	NA	NA	NA	5.421011277	2.486034124	1.387242722	1.7920686	0.073121978	NA	NA
ENSG00000266240	MIR5091	microRNA 5091	100847023	2.581456786	2.487711017	1.922431711	1.294043894	0.19565026	NA	NA
ENSG00000076864	RAP1GAP	RAP1 GTPase activating protein	5909	5137.878781	2.489286489	0.692111727	3.596654114	0.000322337	0.053564415	Not Sig
ENSG00000185823	NPAP1	nuclear pore associated protein 1	23742	1.198809761	2.493000889	2.501682032	0.996529878	0.318992758	NA	NA
ENSG00000266441	NA	NA	NA	1.198809761	2.493000889	2.501682032	0.996529878	0.318992758	NA	NA
ENSG00000259388	NA	NA	NA	1.215116553	2.493067192	2.493531313	0.99981387	0.317400592	NA	NA
ENSG00000231789	PIK3CD-AS2	PIK3CD antisense RNA 2	101929074	32.13781019	2.493976122	0.717105735	3.477835973	0.000505479	0.072751094	Not Sig
ENSG00000151882	CCL28	C-C motif chemokine ligand 28	56477	256.6568588	2.494202747	0.67497103	3.69527378	0.00021965	0.04128436	FDR<0.05
ENSG00000124875	CXCL6	C-X-C motif chemokine ligand 6	6372	21.31401613	2.49885178	0.812864591	3.074130437	0.002111171	0.191266023	Not Sig
ENSG00000201247	SNORD114-13	small nucleolar RNA, C/D box 114-13	767591	3.563403869	2.500805772	2.000285899	1.250224167	0.211217671	NA	NA
ENSG00000213962	NA	NA	NA	1.221554089	2.501388167	2.428731027	1.02991568	0.303049589	NA	NA
ENSG00000243004	NA	NA	NA	78.64363475	2.504423297	0.829671204	3.018573244	0.00253968	0.21877708	Not Sig
ENSG00000198632	NA	NA	NA	1.227991624	2.509241185	2.410957565	1.040765388	0.297984448	NA	NA
ENSG00000251754	NA	NA	NA	1.227991624	2.509241185	2.410957565	1.040765388	0.297984448	NA	NA
ENSG00000260439	LMF1-AS1	LMF1 antisense RNA 1	101929387	4.359383364	2.513630364	1.882074885	1.335563417	0.181692014	NA	NA
ENSG00000235959	NA	NA	NA	2.131197212	2.514891326	2.026535291	1.24098077	0.214612853	NA	NA
ENSG00000253875	NA	NA	NA	1.218122368	2.516791783	2.4334668	1.034241266	0.301023387	NA	NA
ENSG00000232842	NA	NA	NA	1.276496992	2.516957632	2.405570227	1.046303951	0.295420722	NA	NA
ENSG00000180767	CHST13	carbohydrate sulfotransferase 13	166012	19.61703959	2.520127041	0.91171158	2.76415857	0.00570698	0.35402954	Not Sig
ENSG00000183742	MACC1	MACC1, MET transcriptional regulator	346389	3608.588551	2.521085538	0.71459325	3.528000773	0.000418711	0.063866188	Not Sig
ENSG00000258856	NA	NA	NA	1.240866695	2.524219378	2.486673758	1.015098732	0.310058766	NA	NA
ENSG00000176358	TAC4	tachykinin 4 (hemokinin)	255061	1.230997439	2.530802858	2.900858539	0.872432359	0.382972554	NA	NA
ENSG00000249014	NA	NA	NA	1.250016892	2.533328291	2.823211584	0.897321443	0.369547418	NA	NA
ENSG00000154493	C10orf90	chromosome 10 open reading frame 90	118611	1.292084723	2.53336191	2.797464397	0.90559219	0.365151744	NA	NA
ENSG00000174938	SEZ6L2	seizure related 6 homolog like 2	26470	1417.693877	2.539102202	0.723114898	3.511339911	0.000445854	0.066054568	Not Sig
ENSG00000082929	LINC01587	long intergenic non-protein coding RNA 1587	10141	1.256454427	2.541621721	2.41983894	1.050326813	0.293567882	NA	NA
ENSG00000142549	IGLON5	IgLON family member 5	402665	1.298522259	2.541647716	2.400446509	1.058822893	0.289680446	NA	NA

ENSG00000226278	NA	NA	NA	95.22796867	2.55651862	1.185781488	2.155977848	0.031085395	0.912173933	Not Sig
ENSG00000244036	NA	NA	NA	1.317834866	2.564196532	2.396329323	1.070051811	0.284595988	NA	NA
ENSG00000183908	LRRC55	leucine rich repeat containing 55	219527	31.30615648	2.56700076	0.817749187	3.139105241	0.001694646	0.162078358	Not Sig
ENSG00000172828	CES3	carboxylesterase 3	23491	132.8636058	2.573253991	1.142331306	2.252633694	0.024282255	0.802589067	Not Sig
ENSG00000200279	SNORD114-10	small nucleolar RNA, C/D box 114-10	767588	3.725583934	2.577399699	1.927819765	1.336950552	0.181238778	NA	NA
ENSG00000235724	NA	NA	NA	1.291354766	2.582372588	2.783635278	0.927697895	0.353564301	NA	NA
ENSG00000244067	GSTA2	glutathione S-transferase alpha 2	2939	58.40150868	2.587366794	1.133092371	2.283456195	0.02240351	0.76210276	Not Sig
ENSG00000231922	NA	NA	NA	1.339860133	2.588168793	2.3755997	1.089480182	0.27594219	NA	NA
ENSG00000242836	NA	NA	NA	1.339860133	2.588168793	2.3755997	1.089480182	0.27594219	NA	NA
ENSG00000260577	NA	NA	NA	5.684001867	2.589549611	1.392007142	1.860299084	0.062843223	NA	NA
ENSG00000129673	AANAT	aralkylamine N-acetyltransferase	15	1.304229837	2.595348503	2.352270747	1.10333749	0.269880632	NA	NA
ENSG00000121381	TAS2R9	taste 2 receptor member 9	50835	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000173093	CCDC63	coiled-coil domain containing 63	160762	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000213713	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000224541	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000237225	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000248578	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000265403	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000269749	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000273110	NA	NA	NA	0.577907371	2.597516652	3.978723001	0.652851845	0.513851796	NA	NA
ENSG00000138135	CH25H	cholesterol 25-hydroxylase	9023	242.6562795	2.600168049	1.055977008	2.462333961	0.013803607	0.593272432	Not Sig
ENSG00000235237	NA	NA	NA	1.352735204	2.602814669	2.373076427	1.0968103	0.272724327	NA	NA
ENSG00000261838	NA	NA	NA	1.310667372	2.602958145	2.391324443	1.088500623	0.276374162	NA	NA
ENSG00000136872	ALDOB	aldolase, fructose-bisphosphate B	229	8.024766726	2.6040724	1.374004093	1.895243554	0.058060142	0.999371363	Not Sig
ENSG00000251401	NA	NA	NA	2.567851757	2.604496126	1.749740812	1.488503959	0.136618039	NA	NA
ENSG00000185056	C5orf47	chromosome 5 open reading frame 47	133491	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000186897	C1QL4	complement C1q like 4	338761	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000199085	MIR148A	microRNA 148a	406940	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000199570	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000230835	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000232241	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000239981	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000249454	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000257150	PGAMIP5	phosphoglycerate mutase 1 pseudogene 5	100132594	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000259418	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA

ENSG00000266047	NA	NA	NA	0.584344906	2.612294019	3.97799686	0.656685792	0.511382972	NA	NA
ENSG00000205879	NA	NA	NA	1.300798116	2.612793785	2.783735061	0.938592836	0.347939832	NA	NA
ENSG00000250771	LOC100419170	toll like receptor 2 pseudogene	100419170	41.46692737	2.623828807	1.020442118	2.57126667	0.010132727	0.494790816	Not Sig
ENSG00000257017	HP	haptoglobin	3240	219.8397446	2.625739255	0.908583471	2.889926284	0.003853322	0.28049064	Not Sig
ENSG00000213234	NA	NA	NA	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000213645	NA	NA	NA	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000235711	ANKRD34C	ankyrin repeat domain 34C	390616	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000242814	NA	NA	NA	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000248416	NA	NA	NA	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000248778	NA	NA	NA	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000255440	NA	NA	NA	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000265142	MIR133A1HG	MIR133A1 host gene	102723167	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000269058	CALR3	calreticulin 3	125972	0.590782442	2.626939786	3.977284345	0.660485788	0.508942136	NA	NA
ENSG00000271302	NA	NA	NA	10.76521853	2.629872775	1.21196228	2.169929558	0.030012183	0.897727832	Not Sig
ENSG00000055957	ITIH1	inter-alpha-trypsin inhibitor heavy chain 1	3697	1.33269264	2.629954301	2.768436797	0.94997809	0.342123386	NA	NA
ENSG00000212161	NA	NA	NA	1.33269264	2.629954301	2.768436797	0.94997809	0.342123386	NA	NA
ENSG00000223030	NA	NA	NA	1.322823384	2.634014674	2.407977034	1.093870347	0.274011846	NA	NA
ENSG00000230583	GTF2IRD1P1	GTF2I repeat domain containing 1 pseudogene 1	729156	7.109991436	2.636499531	1.224376448	2.153340612	0.031291919	0.912173933	Not Sig
ENSG00000167741	GGT6	gamma-glutamyltransferase 6	124975	420.2360943	2.638885808	0.624549509	4.225262803	2.39E-05	0.006678826	FDR<0.05
ENSG00000273216	NA	NA	NA	4.688251275	2.639117938	1.797035659	1.468595197	0.141942618	NA	NA
ENSG00000234775	NA	NA	NA	1.313214417	2.644563093	2.755701632	0.959669604	0.337221526	NA	NA
ENSG00000204529	NA	NA	NA	5.502424632	2.645541963	1.850909242	1.429320197	0.152912223	NA	NA
ENSG00000007062	PROM1	prominin 1	8842	670.3168216	2.649892757	0.874491424	3.030210114	0.002443837	0.212886004	Not Sig
ENSG00000205076	LGALS7	galectin 7	3963	7.15292595	2.652253855	1.753805953	1.512284669	0.13046146	0.999371363	Not Sig
ENSG00000205076	LGALS7B	galectin 7B	653499	7.15292595	2.652253855	1.753805953	1.512284669	0.13046146	0.999371363	Not Sig
ENSG00000269375	NA	NA	NA	5.242492805	2.656224477	1.453477174	1.827496519	0.067625149	NA	NA
ENSG00000230162	NA	NA	NA	2.404776119	2.660857432	1.867500693	1.424822728	0.154208451	NA	NA
ENSG00000101542	CDH20	cadherin 20	28316	13.45569765	2.664068012	1.216378237	2.190164153	0.028512334	0.880038778	Not Sig
ENSG00000111245	MYL2	myosin light chain 2	4633	0.612807709	2.674677665	3.975010552	0.672873098	0.501028028	NA	NA
ENSG00000135220	UGT2A3	UDP glucuronosyltransferase family 2 member A3	79799	0.612807709	2.674677665	3.975010552	0.672873098	0.501028028	NA	NA
ENSG00000232208	NA	NA	NA	0.612807709	2.674677665	3.975010552	0.672873098	0.501028028	NA	NA
ENSG00000006128	TAC1	tachykinin precursor 1	6863	0.619245245	2.689367549	3.384119241	0.794702361	0.426786659	NA	NA
ENSG00000206203	TSSK2	testis specific serine kinase 2	23617	0.619245245	2.689367549	3.384119241	0.794702361	0.426786659	NA	NA
ENSG00000214109	NA	NA	NA	0.619245245	2.689367549	3.384119241	0.794702361	0.426786659	NA	NA
ENSG00000234943	NA	NA	NA	0.619245245	2.689367549	3.384119241	0.794702361	0.426786659	NA	NA

ENSG00000236762	NA	NA	NA	0.619245245	2.689367549	3.384119241	0.794702361	0.426786659	NA	NA
ENSG00000237176	NA	NA	NA	0.619245245	2.689367549	3.384119241	0.794702361	0.426786659	NA	NA
ENSG00000237169	NA	NA	NA	1.354552291	2.692459714	2.35233151	1.144591952	0.252378228	NA	NA
ENSG00000178081	ULK4P3	ULK4 pseudogene 3	89837	1.370859083	2.69251767	2.34546635	1.147966872	0.25098224	NA	NA
ENSG00000183690	EFHC2	EF-hand domain containing 2	80258	134.5172194	2.694505772	0.7324213	3.678901435	0.000234241	0.043379323	FDR<0.05
ENSG00000167970	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000208036	MIR106B	microRNA 106b	406900	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000215493	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000222357	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000227073	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000229531	LOC101928696	uncharacterized LOC101928696	101928696	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000231802	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000232186	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000239462	LOC105374002	uncharacterized LOC105374002	105374002	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000242477	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000255059	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000264242	NA	NA	NA	0.62568278	2.702990718	3.374828614	0.800926811	0.423174018	NA	NA
ENSG00000115194	SLC30A3	solute carrier family 30 member 3	7781	7.687722122	2.706460417	1.330985934	2.033425258	0.042009578	0.999371363	Not Sig
ENSG00000128510	CPA4	carboxypeptidase A4	51200	2.69114632	2.713059546	2.10316298	1.289990159	0.197054075	NA	NA
ENSG00000179284	DAND5	DAN domain BMP antagonist family member 5	199699	1.39288435	2.713279528	2.752954351	0.985588274	0.324335194	NA	NA
ENSG00000228476	NA	NA	NA	3.693157934	2.71363982	1.696691056	1.599371795	0.109738016	NA	NA
ENSG00000224839	NA	NA	NA	0.632120316	2.7166851	3.973069874	0.68377481	0.494117375	NA	NA
ENSG00000235862	NA	NA	NA	0.632120316	2.7166851	3.973069874	0.68377481	0.494117375	NA	NA
ENSG00000254152	NA	NA	NA	0.632120316	2.7166851	3.973069874	0.68377481	0.494117375	NA	NA
ENSG00000258599	NA	NA	NA	0.632120316	2.7166851	3.973069874	0.68377481	0.494117375	NA	NA
ENSG00000228431	NA	NA	NA	1.399321886	2.721223488	2.364638037	1.150799169	0.249814867	NA	NA
ENSG00000197632	SERPINB2	serpin family B member 2	5055	8.334678879	2.724903833	1.78534619	1.52626076	0.126944937	0.999371363	Not Sig
ENSG00000200897	NA	NA	NA	1.38945263	2.728098132	2.304625882	1.183748804	0.236512514	NA	NA
ENSG00000258449	NA	NA	NA	1.38945263	2.728098132	2.304625882	1.183748804	0.236512514	NA	NA
ENSG00000134757	DSG3	desmoglein 3	1830	4.511640591	2.732495212	1.715397881	1.59292211	0.111177666	NA	NA
ENSG00000229089	NA	NA	NA	3.695965269	2.735962437	1.896906258	1.442328753	0.149209653	NA	NA
ENSG00000215785	NA	NA	NA	2.770910927	2.738339758	1.783467838	1.535401816	0.124685158	NA	NA
ENSG00000187942	LDLRAD2	low density lipoprotein receptor class A domain containing 2	401944	49.64434364	2.738730375	0.962767771	2.844642767	0.004446126	0.301021826	Not Sig
ENSG00000213906	LTB4R2	leukotriene B4 receptor 2	56413	3.75932841	2.747676182	1.583473855	1.735220429	0.082701769	NA	NA
ENSG00000182687	GALR2	galanin receptor 2	8811	2.538493381	2.759985005	2.150398409	1.28347612	0.199325321	NA	NA

ENSG00000173452	TMEM196	transmembrane protein 196	256130	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000219784	NA	NA	NA	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000226132	NA	NA	NA	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000234143	NA	NA	NA	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000252034	NA	NA	NA	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000256469	NA	NA	NA	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000258342	NA	NA	NA	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000272458	MIR432	microRNA 432	574451	0.654145583	2.762035501	3.971036113	0.695545299	0.486713633	NA	NA
ENSG00000212734	NA	NA	NA	1.44065976	2.762816666	2.332305225	1.184586235	0.236181082	NA	NA
ENSG00000166960	CCDC178	coiled-coil domain containing 178	374864	3.816254016	2.766199875	1.530779118	1.807053573	0.070753926	NA	NA
ENSG00000134339	SAA2	serum amyloid A2	6289	18.26267895	2.770570015	0.996223202	2.781073569	0.005417946	0.344586823	Not Sig
ENSG00000163285	GABRG1	gamma-aminobutyric acid type A receptor gamma1 subunit	2565	0.660583119	2.773035225	3.326959415	0.833504374	0.404560332	NA	NA
ENSG00000199036	MIR219A1	microRNA 219a-1	407002	0.660583119	2.773035225	3.326959415	0.833504374	0.404560332	NA	NA
ENSG00000207693	MIR602	microRNA 602	693187	0.660583119	2.773035225	3.326959415	0.833504374	0.404560332	NA	NA
ENSG00000229502	NA	NA	NA	0.660583119	2.773035225	3.326959415	0.833504374	0.404560332	NA	NA
ENSG00000249942	NA	NA	NA	0.660583119	2.773035225	3.326959415	0.833504374	0.404560332	NA	NA
ENSG00000154438	ASZ1	ankyrin repeat, SAM and basic leucine zipper domain containing 1	136991	3.780894907	2.776803741	1.95421959	1.420927185	0.155337929	NA	NA
ENSG00000197768	STPG3	sperm-tail PG-rich repeat containing 3	441476	1.502040199	2.782298553	2.313436852	1.2026689	0.229104474	NA	NA
ENSG00000200658	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000224218	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000239223	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000241526	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000250862	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000261209	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000263624	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000271670	NA	NA	NA	0.667020654	2.788727753	3.969868119	0.702473651	0.482383828	NA	NA
ENSG00000252222	NA	NA	NA	5.442213162	2.789388869	1.394480446	2.000306907	0.045467134	NA	NA
ENSG00000162951	LRRTM1	leucine rich repeat transmembrane neuronal 1	347730	5.652325121	2.812344632	1.781230873	1.578877098	0.11436425	NA	NA
ENSG00000103316	CRYM	crystallin mu	1428	629.7592658	2.833638332	0.847625785	3.343029885	0.00082869	0.108481053	Not Sig
ENSG00000125965	GDF5	growth differentiation factor 5	8200	28.69873211	2.835908691	1.082625394	2.619473649	0.008806558	0.471136671	Not Sig
ENSG00000203837	PNLIPRP3	pancreatic lipase related protein 3	119548	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000207186	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000222686	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000226565	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000227437	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA

ENSG00000238007	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000242547	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000255151	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000256372	NA	NA	NA	0.695483457	2.845060081	3.967471762	0.717096491	0.47331456	NA	NA
ENSG00000248485	PCP4L1	Purkinje cell protein 4 like 1	654790	165.4488762	2.845543139	0.858252025	3.315509962	0.000914761	0.112948155	Not Sig
ENSG00000124939	SCGB2A1	secretoglobin family 2A member 1	4246	40.60157413	2.846884632	1.316981695	2.161673653	0.03064334	0.907980184	Not Sig
ENSG00000169474	SPRR1A	small proline rich protein 1A	6698	0.701920993	2.857771195	3.961912474	0.721311037	0.470718168	NA	NA
ENSG00000221698	MIR548H3	microRNA 548h-3	100302287	0.701920993	2.857771195	3.961912474	0.721311037	0.470718168	NA	NA
ENSG00000251578	NA	NA	NA	0.701920993	2.857771195	3.961912474	0.721311037	0.470718168	NA	NA
ENSG00000252480	NA	NA	NA	0.701920993	2.857771195	3.961912474	0.721311037	0.470718168	NA	NA
ENSG00000248851	NA	NA	NA	1.503857286	2.861090383	2.29076758	1.248965809	0.21167758	NA	NA
ENSG00000116031	CD207	CD207 molecule	50489	192.0716922	2.862054847	0.934473546	3.062745715	0.002193163	0.197275046	Not Sig
ENSG00000185915	KLHL34	kelch like family member 34	257240	2.73184891	2.86372322	1.761509533	1.625721103	0.104008999	NA	NA
ENSG00000130234	ACE2	angiotensin I converting enzyme 2	59272	421.5286945	2.86825749	0.959218567	2.990202221	0.002787928	0.234055858	Not Sig
ENSG00000162383	SLC1A7	solute carrier family 1 member 7	6512	114.7103417	2.88678105	0.973160238	2.96639848	0.003013098	0.241681181	Not Sig
ENSG00000219682	NA	NA	NA	1.532320089	2.887059293	2.254885319	1.280357484	0.200419439	NA	NA
ENSG00000185156	MFS6L	major facilitator superfamily domain containing 6 like	162387	172.3132951	2.902690568	1.215912711	2.387252425	0.016974832	0.665830191	Not Sig
ENSG00000233292	NA	NA	NA	1.574377023	2.910810593	2.315723344	1.256976832	0.208762025	NA	NA
ENSG00000181997	NA	NA	NA	0.72077483	2.914876902	3.906212198	0.746215708	0.45553712	NA	NA
ENSG00000231831	NA	NA	NA	0.72077483	2.914876902	3.906212198	0.746215708	0.45553712	NA	NA
ENSG00000251378	NA	NA	NA	0.72077483	2.914876902	3.906212198	0.746215708	0.45553712	NA	NA
ENSG00000267244	LOC100288123	uncharacterized LOC100288123	100288123	0.72077483	2.914876902	3.906212198	0.746215708	0.45553712	NA	NA
ENSG00000163064	EN1	engrailed homeobox 1	2019	0.727212365	2.927138628	3.845267172	0.761231534	0.446518786	NA	NA
ENSG00000233256	NA	NA	NA	0.727212365	2.927138628	3.845267172	0.761231534	0.446518786	NA	NA
ENSG00000265017	NA	NA	NA	0.727212365	2.927138628	3.845267172	0.761231534	0.446518786	NA	NA
ENSG00000182175	RGMA	repulsive guidance molecule family member a	56963	220.8743965	2.931728523	0.804905495	3.642326386	0.000270185	0.047921721	FDR<0.05
ENSG00000223075	NA	NA	NA	0.733649901	2.939071106	3.834854669	0.766410036	0.443432363	NA	NA
ENSG00000236469	NA	NA	NA	0.733649901	2.939071106	3.834854669	0.766410036	0.443432363	NA	NA
ENSG00000178752	ERFE	erythroferrone	151176	46.45023184	2.943419642	0.911626723	3.228755331	0.001243302	0.134973311	Not Sig
ENSG00000258584	FAM181A-AS1	FAM181A antisense RNA 1	283592	2.881153905	2.949592513	1.747003454	1.688372457	0.091339754	NA	NA
ENSG00000199069	MIR323A	microRNA 323a	442897	0.740087436	2.950735782	3.875736699	0.76133546	0.446456726	NA	NA
ENSG00000236677	NA	NA	NA	0.740087436	2.950735782	3.875736699	0.76133546	0.446456726	NA	NA
ENSG00000269799	NA	NA	NA	0.740087436	2.950735782	3.875736699	0.76133546	0.446456726	NA	NA
ENSG00000236256	DIAPH2-AS1	DIAPH2 antisense RNA 1	10824	5.016574088	2.963611472	1.92480296	1.539696028	0.123634466	NA	NA
ENSG00000235836	NA	NA	NA	5.224182765	2.965970997	1.7472611	1.697497299	0.089602681	NA	NA

ENSG00000079101	CLUL1	clusterin like 1	27098	66.21629622	2.966726268	1.294034428	2.292617727	0.021870023	0.756060365	Not Sig
ENSG00000255489	NA	NA	NA	1.6441777	2.972218162	2.267549513	1.310762189	0.189938121	NA	NA
ENSG00000081138	CDH7	cadherin 7	1005	2.810634168	2.972314124	1.990652745	1.49313542	0.135401742	NA	NA
ENSG00000009765	IYD	iodotyrosine deiodinase	389434	1317.345701	2.976511358	1.139470782	2.612187522	0.008996489	0.472053287	Not Sig
ENSG00000228418	NA	NA	NA	0.755675168	2.978048286	3.851965182	0.773124404	0.439448759	NA	NA
ENSG00000252347	NA	NA	NA	0.755675168	2.978048286	3.851965182	0.773124404	0.439448759	NA	NA
ENSG00000254713	NA	NA	NA	0.755675168	2.978048286	3.851965182	0.773124404	0.439448759	NA	NA
ENSG00000225214	NA	NA	NA	1.618261942	2.978813489	2.61158673	1.140614422	0.254030413	NA	NA
ENSG00000250282	NA	NA	NA	1.624699477	2.984524866	2.627236503	1.135993986	0.255959081	NA	NA
ENSG00000208004	MIR323B	microRNA 323b	574410	0.762112704	2.990997852	3.167701333	0.944217127	0.345058705	NA	NA
ENSG00000228285	NA	NA	NA	0.762112704	2.990997852	3.167701333	0.944217127	0.345058705	NA	NA
ENSG00000263640	NA	NA	NA	0.762112704	2.990997852	3.167701333	0.944217127	0.345058705	NA	NA
ENSG00000226757	PP12613	uncharacterized LOC100192379	100192379	0.768550239	3.002196631	3.12083111	0.961986255	0.336056509	NA	NA
ENSG00000232135	NA	NA	NA	0.768550239	3.002196631	3.12083111	0.961986255	0.336056509	NA	NA
ENSG00000267205	NA	NA	NA	0.768550239	3.002196631	3.12083111	0.961986255	0.336056509	NA	NA
ENSG00000120729	MYOT	myotilin	9499	0.774987775	3.01314215	3.154749211	0.955113053	0.339520529	NA	NA
ENSG00000199506	NA	NA	NA	0.774987775	3.01314215	3.154749211	0.955113053	0.339520529	NA	NA
ENSG00000261195	NA	NA	NA	0.774987775	3.01314215	3.154749211	0.955113053	0.339520529	NA	NA
ENSG00000271635	NA	NA	NA	0.774987775	3.01314215	3.154749211	0.955113053	0.339520529	NA	NA
ENSG00000263096	NA	NA	NA	1.662312476	3.016899117	2.652447337	1.137402079	0.255370238	NA	NA
ENSG00000198797	BRINP2	BMP/retinoic acid inducible neural specific 2	57795	7.525607323	3.019274217	1.485058538	2.033101147	0.042042305	0.999371363	Not Sig
ENSG00000243974	NA	NA	NA	0.78142531	3.023739138	3.81467391	0.792659926	0.427975984	NA	NA
ENSG00000180251	SLC9A4	solute carrier family 9 member A4	389015	1.668750012	3.02417116	2.289274432	1.321017314	0.186495591	NA	NA
ENSG00000236459	NA	NA	NA	3.339114657	3.02501633	2.032922317	1.488013735	0.136747272	NA	NA
ENSG00000049089	COL9A2	collagen type IX alpha 2 chain	1298	935.769252	3.0319845	0.686044798	4.419513872	9.89E-06	0.003278262	FDR<0.05
ENSG00000164363	SLC6A18	solute carrier family 6 member 18	348932	12.26741368	3.037788631	1.708419708	1.778127832	0.075382862	0.999371363	Not Sig
ENSG00000239365	NA	NA	NA	0.797013042	3.049728946	3.741723585	0.815059925	0.415038009	NA	NA
ENSG00000257723	NA	NA	NA	0.797013042	3.049728946	3.741723585	0.815059925	0.415038009	NA	NA
ENSG00000263791	NA	NA	NA	0.797013042	3.049728946	3.741723585	0.815059925	0.415038009	NA	NA
ENSG00000270380	NA	NA	NA	0.797013042	3.049728946	3.741723585	0.815059925	0.415038009	NA	NA
ENSG00000271963	NA	NA	NA	0.797013042	3.049728946	3.741723585	0.815059925	0.415038009	NA	NA
ENSG00000166823	MESP1	mesoderm posterior bHLH transcription factor 1	55897	166.1585899	3.050111187	0.748642454	4.074189448	4.62E-05	0.012114173	FDR<0.05
ENSG00000205312	NA	NA	NA	1.759312313	3.05182523	2.195292368	1.390168013	0.164477864	NA	NA
ENSG00000165078	CPA6	carboxypeptidase A6	57094	49.10388474	3.054717819	1.136962589	2.686735562	0.007215405	0.414526701	Not Sig
ENSG00000162763	LRRC52	leucine rich repeat containing 52	440699	4.421905129	3.059448856	1.851196299	1.652687431	0.098394494	NA	NA

ENSG00000207768	MIR188	microRNA 188	406964	0.803450578	3.059505732	3.087196099	0.991030577	0.32167065	NA	NA
ENSG00000176654	NA	NA	NA	3.176663404	3.059632618	2.269425318	1.348197093	0.177594999	NA	NA
ENSG00000174876	AMY1B	amylase, alpha 1B (salivary)	277	1.716525422	3.063938142	2.17870806	1.406309637	0.1596322	NA	NA
ENSG00000174876	AMY1C	amylase, alpha 1C (salivary)	278	1.716525422	3.063938142	2.17870806	1.406309637	0.1596322	NA	NA
ENSG00000200713	NA	NA	NA	1.739009459	3.072055942	2.648117172	1.160090639	0.246011905	NA	NA
ENSG00000143320	CRABP2	cellular retinoic acid binding protein 2	1382	369.6007506	3.079160363	1.022171497	3.012371576	0.002592151	0.220560515	Not Sig
ENSG00000250444	NA	NA	NA	0.816325649	3.08248833	3.715871564	0.829546521	0.406795224	NA	NA
ENSG00000214510	SPINK13	serine peptidase inhibitor, Kazal type 13 (putative)	153218	28.28112851	3.085700004	1.641460712	1.879850051	0.060128517	0.999371363	Not Sig
ENSG00000230813	NA	NA	NA	3.211199646	3.090123721	2.310265954	1.337561901	0.181039291	NA	NA
ENSG00000100557	CCDC198	coiled-coil domain containing 198	55195	64.06152514	3.09176712	1.665224925	1.856666371	0.063358635	0.999371363	Not Sig
ENSG00000008196	TFAP2B	transcription factor AP-2 beta	7021	6.081306465	3.096259526	1.840050644	1.682703428	0.092432518	NA	NA
ENSG00000248705	NA	NA	NA	1.757863296	3.096934332	2.165287669	1.430264614	0.152641087	NA	NA
ENSG00000115297	TLX2	T-cell leukemia homeobox 2	3196	6.535312881	3.104277738	1.329349341	2.335185825	0.019533715	NA	NA
ENSG00000135625	EGR4	early growth response 4	1961	1.770738367	3.10735025	2.164168836	1.435816928	0.151054442	NA	NA
ENSG00000137868	STRA6	stimulated by retinoic acid 6	64220	146.2737978	3.114116572	0.948099351	3.284588865	0.001021313	0.120199932	Not Sig
ENSG00000103546	SLC6A2	solute carrier family 6 member 2	6530	3.04215614	3.116779274	2.301666334	1.354140358	0.175691603	NA	NA
ENSG00000255690	TRIL	TLR4 interactor with leucine rich repeats	9865	3.393161987	3.11726667	1.663565906	1.873846211	0.060951625	NA	NA
ENSG00000241680	NA	NA	NA	0.838350916	3.118064846	3.687937431	0.845476612	0.397844785	NA	NA
ENSG00000254780	NA	NA	NA	0.838350916	3.118064846	3.687937431	0.845476612	0.397844785	NA	NA
ENSG00000147003	TMEM27	transmembrane protein 27	57393	64.17320112	3.124714752	0.876388957	3.565442863	0.000363242	0.058645003	Not Sig
ENSG00000184144	CNTN2	contactin 2	6900	5.081390221	3.12482872	1.351595036	2.311956345	0.020780089	NA	NA
ENSG00000233966	NA	NA	NA	0.844788452	3.125337871	3.09027679	1.011345612	0.311851042	NA	NA
ENSG00000254326	NA	NA	NA	0.844788452	3.125337871	3.09027679	1.011345612	0.311851042	NA	NA
ENSG00000258783	NA	NA	NA	0.844788452	3.125337871	3.09027679	1.011345612	0.311851042	NA	NA
ENSG00000263987	MIR5698	microRNA 5698	100847024	0.844788452	3.125337871	3.09027679	1.011345612	0.311851042	NA	NA
ENSG00000264911	NA	NA	NA	1.815507961	3.129386886	2.166406987	1.444505536	0.148596824	NA	NA
ENSG00000215186	GOLGA6B	golgin A6 family member B	55889	1.860841898	3.148643034	2.18924772	1.438230587	0.150368639	NA	NA
ENSG00000186766	FOXI2	forkhead box I2	399823	21.53393716	3.149591927	1.416480451	2.223533636	0.026179838	0.837114088	Not Sig
ENSG00000252126	NA	NA	NA	1.840799334	3.165347594	2.141806945	1.477886511	0.139438157	NA	NA
ENSG00000252170	NA	NA	NA	0.863642288	3.175462697	3.688809018	0.860836839	0.389327912	NA	NA
ENSG00000249312	NA	NA	NA	3.688671486	3.181382264	2.000167778	1.590557702	0.11170915	NA	NA
ENSG00000233384	NA	NA	NA	0.87968879	3.183755907	3.689860117	0.862839188	0.38822589	NA	NA
ENSG00000237647	NA	NA	NA	0.87968879	3.183755907	3.689860117	0.862839188	0.38822589	NA	NA
ENSG00000259871	NA	NA	NA	0.87968879	3.183755907	3.689860117	0.862839188	0.38822589	NA	NA
ENSG00000206082	NA	NA	NA	0.870079824	3.185820775	3.621910913	0.879596669	0.379077844	NA	NA

ENSG00000263729	NA	NA	NA	0.870079824	3.185820775	3.621910913	0.879596669	0.379077844	NA	NA
ENSG00000184908	CLCNKB	chloride voltage-gated channel Kb	1188	42.07082374	3.193172789	0.99628083	3.205093073	0.001350188	0.138902032	Not Sig
ENSG00000140623	12-Sep	septin 12	124404	0.87651736	3.195882948	3.599981247	0.887749888	0.374675304	NA	NA
ENSG00000255293	NA	NA	NA	3.379556958	3.198020281	1.654007281	1.933498309	0.053174841	NA	NA
ENSG00000222044	NA	NA	NA	0.882954895	3.205762397	3.606924632	0.888779979	0.374121338	NA	NA
ENSG00000201627	NA	NA	NA	1.968714344	3.2204343	2.582467745	1.24703757	0.212383722	NA	NA
ENSG00000241335	NA	NA	NA	779.7750658	3.224561072	1.005984837	3.205377411	0.001348855	0.138902032	Not Sig
ENSG00000249852	NA	NA	NA	3.516705941	3.225327571	1.785014872	1.806891148	0.070779253	NA	NA
ENSG00000187867	PALM3	paralemmin 3	342979	178.7565801	3.227396738	0.853727421	3.780359699	0.000156602	0.031302989	FDR<0.05
ENSG00000244470	NA	NA	NA	0.898542627	3.228566343	3.649014643	0.884777579	0.376276604	NA	NA
ENSG00000250644	NA	NA	NA	1.991293056	3.247298168	2.512186841	1.292618095	0.196143178	NA	NA
ENSG00000188729	OSTN	osteocrin	344901	0.911417698	3.249712102	2.951465575	1.101050315	0.270874759	NA	NA
ENSG00000138347	MYPN	myopalladin	84665	1.926022127	3.254193077	2.196989501	1.481205566	0.138551803	NA	NA
ENSG00000198822	GRM3	glutamate metabotropic receptor 3	2913	0.917855234	3.259013418	2.946771741	1.105960591	0.268743577	NA	NA
ENSG00000163046	ANKRD30BL	ankyrin repeat domain 30B like	554226	1.964354186	3.267365949	2.567786015	1.272444795	0.203215127	NA	NA
ENSG00000228146	CASP16P	caspase 16, pseudogene	197350	0.924292769	3.268136386	2.998611918	1.089883078	0.275764652	NA	NA
ENSG00000233131	NA	NA	NA	0.924292769	3.268136386	2.998611918	1.089883078	0.275764652	NA	NA
ENSG00000264175	MIR3189	microRNA 3189	100422943	43.89051515	3.271668381	0.758778817	4.31175503	1.62E-05	0.004944809	FDR<0.05
ENSG00000235366	NA	NA	NA	1.986838223	3.274773499	2.510691641	1.304331223	0.192120674	NA	NA
ENSG00000162892	IL24	interleukin 24	11009	0.930730305	3.276665247	3.613968031	0.906666916	0.364582964	NA	NA
ENSG00000226622	NA	NA	NA	0.930730305	3.276665247	3.613968031	0.906666916	0.364582964	NA	NA
ENSG00000259045	NA	NA	NA	0.930730305	3.276665247	3.613968031	0.906666916	0.364582964	NA	NA
ENSG00000211957	NA	NA	NA	0.939880501	3.289287269	3.544450834	0.928010409	0.35340217	NA	NA
ENSG00000237463	LOC400794	uncharacterized LOC400794	400794	33.06737468	3.291970854	0.773196351	4.257613023	2.07E-05	0.006051118	FDR<0.05
ENSG00000132429	POPDC3	popeye domain containing 3	64208	15.31002019	3.292483483	1.282428887	2.56738094	0.010246997	0.497939162	Not Sig
ENSG00000227201	NA	NA	NA	42.65314351	3.292559727	1.610170845	2.044851164	0.040869534	0.999371363	Not Sig
ENSG00000226574	NA	NA	NA	2.011869305	3.30510654	2.517996156	1.312593957	0.189319807	NA	NA
ENSG00000227120	NA	NA	NA	2.005985214	3.311117803	2.228044184	1.486109578	0.137250139	NA	NA
ENSG00000131969	ABHD12B	abhydrolase domain containing 12B	145447	3.857123472	3.315837699	1.609909843	2.059641857	0.039432792	NA	NA
ENSG00000188869	TMC3	transmembrane channel like 3	342125	0.959193108	3.316299128	2.917090576	1.136851614	0.255600322	NA	NA
ENSG00000215414	NA	NA	NA	0.959193108	3.316299128	2.917090576	1.136851614	0.255600322	NA	NA
ENSG00000138083	SIX3	SIX homeobox 3	6496	9.123179733	3.320147154	1.75543529	1.89135263	0.058577287	0.999371363	Not Sig
ENSG00000177306	NA	NA	NA	0.965630643	3.326308888	3.518440108	0.945393068	0.34445824	NA	NA
ENSG00000270204	NA	NA	NA	0.965630643	3.326308888	3.518440108	0.945393068	0.34445824	NA	NA
ENSG00000249715	FER1L5	fer-1 like family member 5	90342	64.44487459	3.339187778	1.019707111	3.274653811	0.001057915	0.123354883	Not Sig

ENSG00000230702	NA	NA	NA	0.981218375	3.347488115	3.488638054	0.959540102	0.337286727	NA	NA
ENSG00000237303	NA	NA	NA	0.981218375	3.347488115	3.488638054	0.959540102	0.337286727	NA	NA
ENSG00000263941	NA	NA	NA	0.981218375	3.347488115	3.488638054	0.959540102	0.337286727	NA	NA
ENSG00000186723	OR10H1	olfactory receptor family 10 subfamily H member 1	26539	0.987655911	3.354217417	2.89831607	1.157298699	0.247150345	NA	NA
ENSG00000265929	MIR5195	microRNA 5195	100847062	0.987655911	3.354217417	2.89831607	1.157298699	0.247150345	NA	NA
ENSG00000251313	NA	NA	NA	2.059739389	3.357306755	2.47046039	1.3589802	0.174152863	NA	NA
ENSG00000265901	NA	NA	NA	0.994093446	3.362919558	2.894251241	1.161930765	0.245263589	NA	NA
ENSG00000239819	NA	NA	NA	85.4980973	3.363162496	2.947690074	1.140948475	0.253891365	0.999371363	Not Sig
ENSG00000109991	P2RX3	purinergic receptor P2X 3	5024	2.11411795	3.37250227	2.053236669	1.64252973	0.10048027	NA	NA
ENSG00000232431	LOC100289656	Dexi homolog (mouse) pseudogene	100289656	1.000530982	3.374279816	3.470400069	0.972302832	0.330899915	NA	NA
ENSG00000239511	NA	NA	NA	1.000530982	3.374279816	3.470400069	0.972302832	0.330899915	NA	NA
ENSG00000197251	LINC00336	long intergenic non-protein coding RNA 336	401253	5.581974458	3.384394518	1.841506527	1.837840088	0.066085973	NA	NA
ENSG00000118322	ATP10B	ATPase phospholipid transporting 10B (putative)	23120	446.075518	3.384716828	1.078389583	3.138677228	0.001697123	0.162078358	Not Sig
ENSG00000202215	NA	NA	NA	2.126273961	3.391296905	2.088232676	1.624003371	0.104375089	NA	NA
ENSG00000234311	NA	NA	NA	3.798550368	3.40253122	1.97540732	1.722445385	0.084988868	NA	NA
ENSG00000261330	NA	NA	NA	1.012947283	3.405012566	3.452183504	0.986335912	0.323968303	NA	NA
ENSG00000254762	NA	NA	NA	2.129540066	3.406848746	2.058123452	1.655317976	0.097860015	NA	NA
ENSG00000212544	NA	NA	NA	34.28826505	3.407066988	0.755581008	4.509201466	6.51E-06	0.002341294	FDR<0.05
ENSG00000143105	KCNA10	potassium voltage-gated channel subfamily A member 10	3744	1.028993785	3.408739087	2.930180502	1.163320514	0.244699486	NA	NA
ENSG00000243455	NA	NA	NA	1.028993785	3.408739087	2.930180502	1.163320514	0.244699486	NA	NA
ENSG00000234040	NA	NA	NA	1.019384818	3.413731213	3.423914848	0.997025733	0.318752019	NA	NA
ENSG00000213937	CLDN9	claudin 9	9080	104.5018443	3.414224645	0.771734015	4.424095062	9.68E-06	0.003278262	FDR<0.05
ENSG00000248498	ASNSP1	asparagine synthetase pseudogene 1	389652	1.03543132	3.420871675	3.453212655	0.990634524	0.321864073	NA	NA
ENSG00000112333	NR2E1	nuclear receptor subfamily 2 group E member 1	7101	3.977037225	3.427266299	2.146573176	1.596622159	0.110349956	NA	NA
ENSG00000205847	OR7E91P	olfactory receptor family 7 subfamily E member 91 pseudogene	79315	1.03225989	3.430717083	3.434818724	0.998805864	0.317888745	NA	NA
ENSG00000227198	NA	NA	NA	1.03225989	3.430717083	3.434818724	0.998805864	0.317888745	NA	NA
ENSG00000211750	NA	NA	NA	2.231694037	3.450311833	2.173108143	1.587731308	0.11234711	NA	NA
ENSG00000215874	NA	NA	NA	1.054285157	3.460767845	2.826897758	1.224228162	0.220866168	NA	NA
ENSG00000237708	NA	NA	NA	1.054285157	3.460767845	2.826897758	1.224228162	0.220866168	NA	NA
ENSG00000205642	VCX3B	variable charge, X-linked 3B	425054	1.070331659	3.466442184	3.483831495	0.995008567	0.319732098	NA	NA
ENSG00000204455	NA	NA	NA	2.221919455	3.473724038	2.474961952	1.403546441	0.160453954	NA	NA
ENSG00000184368	MAP7D2	MAP7 domain containing 2	256714	115.6571368	3.475217714	0.902888268	3.849000853	0.000118601	0.026202409	FDR<0.05
ENSG00000100253	MIOX	myo-inositol oxygenase	55586	29.36966931	3.482910184	1.14208221	3.049614251	0.002291355	0.203204427	Not Sig
ENSG00000148965	SAA4	serum amyloid A4, constitutive	6291	1.08274796	3.494575555	3.391738108	1.030319985	0.302859821	NA	NA
ENSG00000234805	NA	NA	NA	2.291885747	3.497480691	2.02265143	1.729156412	0.083781105	NA	NA

ENSG00000268510	NA	NA	NA	2.259532454	3.499933395	2.046209562	1.71044719	0.087183211	NA	NA
ENSG00000244122	UGT1A7	UDP glucuronosyltransferase family 1 member A7	54577	5.943781972	3.50051457	1.586426186	2.206541093	0.027346136	NA	NA
ENSG00000213492	NA	NA	NA	1.095623031	3.510883912	2.743050279	1.279919635	0.200573401	NA	NA
ENSG00000211802	NA	NA	NA	2.381728989	3.52670781	2.050214326	1.720165432	0.085402375	NA	NA
ENSG00000232829	NA	NA	NA	1.114935638	3.534751472	3.366209343	1.05006882	0.293686473	NA	NA
ENSG00000205695	NA	NA	NA	1.124085834	3.545309112	3.336694181	1.062521442	0.287999029	NA	NA
ENSG00000216058	MIR944	microRNA 944	100126340	1.124085834	3.545309112	3.336694181	1.062521442	0.287999029	NA	NA
ENSG00000041982	TNC	tenascin C	3371	10842.15305	3.546912892	0.97852043	3.624771424	0.000289217	0.049891937	FDR<0.05
ENSG00000204544	MUC21	mucin 21, cell surface associated	394263	461.8184279	3.549907791	0.661224759	5.368685527	7.93E-08	5.82E-05	FDR<0.05
ENSG00000183783	KCTD8	potassium channel tetramerization domain containing 8	386617	2.354624503	3.566067568	2.134433874	1.670732277	0.09477457	NA	NA
ENSG00000129159	KCNC1	potassium voltage-gated channel subfamily C member 1	3746	2.383806366	3.574239365	2.089036649	1.710951011	0.087090157	NA	NA
ENSG00000197934	CYYR1-AS1	cysteine and tyrosine rich 1 antisense RNA 1	100996571	1.155814742	3.59518962	3.318182659	1.083481529	0.278594745	NA	NA
ENSG00000131142	CCL25	C-C motif chemokine ligand 25	6370	2.447628277	3.60034041	1.988091109	1.810953428	0.070148061	NA	NA
ENSG00000234511	C5orf58	chromosome 5 open reading frame 58	133874	1.178298779	3.606549418	2.762910166	1.305344438	0.191775589	NA	NA
ENSG00000164778	EN2	engrailed homeobox 2	2020	33.27063308	3.625855944	1.387843389	2.612582927	0.008986089	0.472053287	Not Sig
ENSG00000227358	NA	NA	NA	1.184277544	3.627568429	3.366507351	1.077546564	0.28123616	NA	NA
ENSG00000130513	GDF15	growth differentiation factor 15	9518	2421.234925	3.629644837	0.662622258	5.47769833	4.31E-08	3.39E-05	FDR<0.05
ENSG00000207982	MIR548B	microRNA 548b	693128	4.516423189	3.647281296	1.758005678	2.074669804	0.038017148	NA	NA
ENSG00000251758	NA	NA	NA	1.225615418	3.674181998	3.269462077	1.123787923	0.261103006	NA	NA
ENSG00000252643	NA	NA	NA	2.584058201	3.685742328	1.94413179	1.895829464	0.057982598	NA	NA
ENSG00000182870	GALNT9	polypeptide N-acetylgalactosaminyltransferase 9	50614	1.244928025	3.696104415	2.621492703	1.409923595	0.158562245	NA	NA
ENSG00000237510	NA	NA	NA	9.394196887	3.703604953	1.47738669	2.506862271	0.012180816	0.551555006	Not Sig
ENSG00000132972	RNF17	ring finger protein 17	56163	2.618499769	3.712548306	2.388071612	1.554621849	0.120036157	NA	NA
ENSG00000175497	DPP10	dipeptidyl peptidase like 10	57628	25.16918923	3.717890411	1.326601161	2.802568337	0.005069747	0.329089329	Not Sig
ENSG00000231575	NA	NA	NA	2.612355388	3.719914787	1.948953137	1.908673286	0.056304251	NA	NA
ENSG00000162896	PIGR	polymeric immunoglobulin receptor	5284	89167.09109	3.723804103	1.357797712	2.742532315	0.006096745	0.370900051	Not Sig
ENSG00000259422	LOC101929439	uncharacterized LOC101929439	101929439	1.299140971	3.753704199	3.19616933	1.174438464	0.240219446	NA	NA
ENSG00000230712	NA	NA	NA	4.719870187	3.762871433	1.700545648	2.212743561	0.02691533	NA	NA
ENSG00000225165	NA	NA	NA	1.314728702	3.767526696	2.656786288	1.418076687	0.156168377	NA	NA
ENSG00000178193	NA	NA	NA	1.327603773	3.780656127	2.65214278	1.425510028	0.154009824	NA	NA
ENSG00000225330	NA	NA	NA	1.327145003	3.792021533	3.263909204	1.161803621	0.245315243	NA	NA
ENSG00000232878	DPYD-AS1	DPYD antisense RNA 1	100873932	1.327145003	3.792021533	3.263909204	1.161803621	0.245315243	NA	NA
ENSG00000232422	NA	NA	NA	2.761367228	3.794571277	2.368853546	1.601859804	0.109186615	NA	NA
ENSG00000108244	KRT23	keratin 23	25984	75.07610076	3.804042209	1.212107947	3.138369168	0.001698908	0.162078358	Not Sig
ENSG00000149328	GLB1L2	galactosidase beta 1 like 2	89944	617.3400797	3.805375295	0.733534374	5.187725935	2.13E-07	0.000121853	FDR<0.05

ENSG00000166069	TMC05A	transmembrane and coiled-coil domains 5A	145942	1.362504112	3.815187066	2.665417975	1.4313654	0.152325519	NA	NA
ENSG00000211978	NA	NA	NA	1.362504112	3.815187066	2.665417975	1.4313654	0.152325519	NA	NA
ENSG00000207608	MIR127	microRNA 127	406914	2.851210469	3.819590738	2.047649401	1.865353872	0.062131819	NA	NA
ENSG00000243420	NA	NA	NA	1.368941647	3.824958619	3.157340175	1.21144964	0.225723124	NA	NA
ENSG00000233542	NA	NA	NA	1.381357948	3.847789463	2.562845215	1.501374114	0.133258825	NA	NA
ENSG00000262003	LOC101927727	uncharacterized LOC101927727	101927727	2.84387736	3.85332877	1.950968574	1.975085002	0.048258503	NA	NA
ENSG00000266582	MIR4527	microRNA 4527	100616264	1.464033697	3.923920651	2.509980553	1.563327113	0.117975674	NA	NA
ENSG00000273082	NA	NA	NA	1.45442473	3.925936857	3.062302573	1.282021212	0.199835205	NA	NA
ENSG00000136457	CHAD	chondroadherin	1101	11.37686175	3.926254633	1.348772074	2.910984523	0.003602919	0.268774977	Not Sig
ENSG00000122194	PLG	plasminogen	5340	1.476908768	3.936007064	2.56873375	1.532275217	0.125454534	NA	NA
ENSG00000207934	MIR654	microRNA 654	724024	1.467299801	3.937984634	3.056117012	1.288558199	0.197551723	NA	NA
ENSG00000123572	NRK	Nik related kinase	203447	114.7961811	3.942662315	1.087363316	3.625892337	0.000287965	0.049891937	FDR<0.05
ENSG00000220515	NA	NA	NA	1.489325069	3.960166861	2.553480293	1.550889925	0.120928065	NA	NA
ENSG00000259796	NA	NA	NA	16.08087044	3.980143035	1.393003699	2.857237951	0.004273453	0.298975548	Not Sig
ENSG00000230918	NA	NA	NA	8.444060723	3.992379054	1.273995967	3.133745442	0.001725905	0.163415962	Not Sig
ENSG00000071909	MYO3B	myosin IIIB	140469	141.9108159	4.007328067	1.045429187	3.833189388	0.000126492	0.026998643	FDR<0.05
ENSG00000228983	NA	NA	NA	3.171408922	4.010008821	1.865132814	2.149985669	0.031556348	NA	NA
ENSG00000243507	NA	NA	NA	1.572000817	4.031151753	2.42427146	1.662830182	0.096346433	NA	NA
ENSG00000189127	ANKRD34B	ankyrin repeat domain 34B	340120	43.96820228	4.034906362	1.537660069	2.624056152	0.008688946	0.469613286	Not Sig
ENSG00000238920	NA	NA	NA	1.588047319	4.037420497	3.065718338	1.316957415	0.187852899	NA	NA
ENSG00000231245	NA	NA	NA	1.591313424	4.047612491	2.526241915	1.602226797	0.109105467	NA	NA
ENSG00000218357	LINC01644	long intergenic non-protein coding RNA 1644	101927722	49.58106067	4.059318704	0.91219909	4.450035906	8.59E-06	0.003003288	FDR<0.05
ENSG00000142319	SLC6A3	solute carrier family 6 member 3	6531	53.94162788	4.076089825	0.852314878	4.782375543	1.73E-06	0.000727185	FDR<0.05
ENSG00000175604	NA	NA	NA	1.626213762	4.076220417	2.502641765	1.628767039	0.103362345	NA	NA
ENSG00000123838	C4BPA	complement component 4 binding protein alpha	722	8301.036052	4.085973015	0.872559235	4.682745714	2.83E-06	0.00111392	FDR<0.05
ENSG00000230180	NA	NA	NA	1.654676565	4.098681867	2.434271136	1.683740897	0.092231754	NA	NA
ENSG00000234892	NA	NA	NA	1.679967937	4.130920735	2.388632905	1.72940795	0.083736108	NA	NA
ENSG00000252761	NA	NA	NA	1.712155615	4.155572592	2.994353224	1.387803068	0.16519702	NA	NA
ENSG00000197587	DMBX1	diencephalon/mesencephalon homeobox 1	127343	3.562740428	4.157358228	2.249356645	1.848243247	0.064567162	NA	NA
ENSG00000251139	NA	NA	NA	3.604537073	4.171657773	2.329226315	1.791005772	0.073292369	NA	NA
ENSG00000269621	NA	NA	NA	1.762643685	4.193842573	2.343555436	1.789521387	0.073530886	NA	NA
ENSG00000148408	CACNA1B	calcium voltage-gated channel subunit alpha B	774	22.71793296	4.195611054	1.316090179	3.187935843	0.001432923	0.143788559	Not Sig
ENSG00000171136	RLN3	relaxin 3	117579	3.703448671	4.22131642	2.246678923	1.878913972	0.060256241	NA	NA
ENSG00000163793	DNAJC5G	DnaJ heat shock protein family (Hsp40) member C5 gamma	285126	1.800810129	4.233140224	2.425708456	1.745115005	0.080964852	NA	NA
ENSG00000227375	DLG1-AS1	DLG1 antisense RNA 1	100507086	3.688665812	4.242820834	1.788112372	2.372793176	0.017654146	NA	NA

ENSG00000181009	OR52N5	olfactory receptor family 52 subfamily N member 5	390075	3.870959383	4.282124321	2.262700298	1.892484093	0.058426511	NA	NA
ENSG00000243766	NA	NA	NA	1.879761002	4.289320508	2.869772688	1.494655143	0.135004467	NA	NA
ENSG00000249114	NA	NA	NA	1.886198537	4.293895515	2.410376297	1.781421233	0.074843662	NA	NA
ENSG00000239748	NA	NA	NA	1.889923412	4.297050618	2.431454641	1.767275665	0.077182073	NA	NA
ENSG00000237416	NA	NA	NA	2.01021216	4.378884481	2.390994419	1.831407237	0.067039782	NA	NA
ENSG00000249439	NA	NA	NA	4.166856712	4.3953641	2.208185162	1.990487109	0.046537303	NA	NA
ENSG00000181001	OR52N1	olfactory receptor family 52 subfamily N member 1	79473	2.064425105	4.415026855	2.404615781	1.836063328	0.066348291	NA	NA
ENSG00000137975	CLCA2	chloride channel accessory 2	9635	126.7562691	4.420609071	1.130108142	3.911669076	9.17E-05	0.021375557	FDR<0.05
ENSG00000225833	GS1-594A7.3	uncharacterized LOC104798195	104798195	2.124616815	4.460907055	2.235205665	1.995747919	0.045961368	NA	NA
ENSG00000272514	CFAP206	cilia and flagella associated protein 206	154313	4.324947806	4.462233817	1.744326247	2.558141761	0.010523318	NA	NA
ENSG00000073067	CYP2W1	cytochrome P450 family 2 subfamily W member 1	54905	8.416549629	4.567708378	1.659915577	2.7517715	0.005927386	0.364115006	Not Sig
ENSG00000259441	NA	NA	NA	2.292775646	4.579186516	2.177967863	2.102504171	0.035509135	NA	NA
ENSG00000215572	NA	NA	NA	2.305650718	4.586739777	2.157134387	2.126311556	0.033477326	NA	NA
ENSG00000233451	NA	NA	NA	2.308363378	4.586905869	2.731551823	1.679230769	0.093107077	NA	NA
ENSG00000183729	NPBWR1	neuropeptides B and W receptor 1	2831	2.363129768	4.624139881	2.711651121	1.7052857	0.088141153	NA	NA
ENSG00000230778	ANKRD63	ankyrin repeat domain 63	100131244	2.363129768	4.624139881	2.711651121	1.7052857	0.088141153	NA	NA
ENSG00000177414	UBE2U	ubiquitin conjugating enzyme E2 U (putative)	148581	18.43547609	4.624961914	1.331716182	3.472933631	0.000514803	0.072841682	Not Sig
ENSG00000175329	ISX	intestine specific homeobox	91464	2.454861038	4.667376482	2.738331194	1.704460181	0.088295149	NA	NA
ENSG00000258670	NA	NA	NA	2.518872298	4.715799524	2.702329472	1.745086812	0.080969759	NA	NA
ENSG00000225867	NA	NA	NA	13.53865998	4.748037112	1.42520611	3.331474008	0.000863874	0.111007767	Not Sig
ENSG00000259370	LOC105370854	uncharacterized LOC105370854	105370854	18.94913759	4.765928246	1.095551043	4.350256683	1.36E-05	0.004280936	FDR<0.05
ENSG00000082556	OPRK1	opioid receptor kappa 1	4986	65.23151841	4.794958697	1.159427661	4.135625583	3.54E-05	0.009484645	FDR<0.05
ENSG00000139219	COL2A1	collagen type II alpha 1 chain	1280	5.49952171	4.821071368	1.767429645	2.727730285	0.006377173	NA	NA
ENSG00000182632	CCNYL2	cyclin Y-like 2 (pseudogene)	414194	2.823271704	4.869247712	2.664570133	1.827404598	0.067638959	NA	NA
ENSG00000263805	NA	NA	NA	2.832975344	4.874447363	2.095821321	2.325793384	0.020029576	NA	NA
ENSG00000166603	MC4R	melanocortin 4 receptor	4160	2.845945089	4.892607306	2.229686603	2.194302688	0.028213656	NA	NA
ENSG00000240194	CYMP	chymosin pseudogene	643160	6.012158152	4.970492992	2.126978158	2.336880129	0.019445418	NA	NA
ENSG00000241635	UGT1A1	UDP glucuronosyltransferase family 1 member A1	54658	6.146698281	4.994956471	1.730279684	2.886791376	0.003891922	NA	NA
ENSG00000086570	FAT2	FAT atypical cadherin 2	2196	226.7564043	5.089680069	0.71646267	7.103901271	1.21E-12	1.39E-09	FDR<0.05
ENSG00000237322	NA	NA	NA	3.318962096	5.100829554	2.207166049	2.311031178	0.020831133	NA	NA
ENSG00000216921	LOC285095	uncharacterized LOC285095	285095	3.401827193	5.149001278	2.506763845	2.054043219	0.039971509	NA	NA
ENSG00000250685	LOC654780	splicing factor proline/glutamine-rich	654780	3.550119973	5.212681883	2.0333083	2.563645603	0.010357925	NA	NA
ENSG00000185038	MROH2A	maestro heat like repeat family member 2A	339766	37.7351059	5.227011298	1.004620948	5.20296865	1.96E-07	0.000117613	FDR<0.05
ENSG00000164265	SCGB3A2	secretoglobin family 3A member 2	117156	19592.55713	5.230474412	1.214199103	4.307756776	1.65E-05	0.004944809	FDR<0.05
ENSG00000257703	NA	NA	NA	3.732071415	5.280034816	1.961790303	2.691436902	0.007114496	NA	NA

ENSG00000197838	CYP2A13	cytochrome P450 family 2 subfamily A member 13		1553	4.1547897	5.436832839	2.451174549	2.218052093	0.026551281	NA	NA
ENSG00000165799	RNASE7	ribonuclease A family member 7		84659	4.267169927	5.475263134	2.470547355	2.216214606	0.026676808	NA	NA
ENSG00000188095	MESP2	mesoderm posterior bHLH transcription factor 2		145873	25.46576753	5.542429947	1.208279494	4.58704296	4.50E-06	0.001665121	FDR<0.05
ENSG00000070729	CNGB1	cyclic nucleotide gated channel beta 1		1258	35.34526189	5.696115949	1.170946669	4.86453918	1.15E-06	0.00053508	FDR<0.05
ENSG00000170454	KRT75	keratin 75		9119	5.432593635	5.8222071	2.316087231	2.513811666	0.01194342	NA	NA
ENSG00000198691	ABCA4	ATP binding cassette subfamily A member 4		24	698.2522545	5.84622395	0.730668465	8.001199212	1.23E-15	1.94E-12	FDR<0.05
ENSG00000197888	UGT2B17	UDP glucuronosyltransferase family 2 member B17		7367	5.864826212	5.930370754	2.250000462	2.635719793	0.008395903	NA	NA
ENSG00000215474	SKOR2	SKI family transcriptional corepressor 2		652991	5.889753488	5.940874151	2.322358799	2.558120715	0.010523955	NA	NA
ENSG00000036828	CASR	calcium sensing receptor		846	125.1754889	6.107240499	1.311588009	4.656371099	3.22E-06	0.001228129	FDR<0.05
ENSG00000235026	DPP10-AS1	DPP10 antisense RNA 1		389023	7.129256193	6.215961058	2.165057433	2.87103749	0.00409127	0.28944586	Not Sig
ENSG00000232843	NA	NA	NA		10.501743	6.771504735	3.910784289	1.73149533	0.083363457	0.999371363	Not Sig
ENSG00000220154	NA	NA	NA		82.72411462	7.354842402	1.508894464	4.874325262	1.09E-06	0.000528814	FDR<0.05
ENSG00000161055	SCGB3A1	secretoglobin family 3A member 1		92304	123030.2568	7.485702949	2.189001802	3.419687889	0.00062693	0.08398864	Not Sig
ENSG00000172782	FADS6	fatty acid desaturase 6		283985	60.08808957	8.321178965	3.002426498	2.771484655	0.00558013	0.347874159	Not Sig
ENSG00000154975	CA10	carbonic anhydrase 10		56934	164.6916787	8.418477377	2.519954385	3.340726097	0.000835596	0.108481053	Not Sig
ENSG00000201464	NA	NA	NA		44.99840255	8.870925321	1.696798975	5.228035526	1.71E-07	0.000107872	FDR<0.05

Supplementary 4

circid	gene_region	gene	chr	start	end	E19D1	E19D2	E19D3	E19N1	E19N2	E19N3	length	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj
chr1:194128410-194136845	intergenic	LINC01031 (dist=793327), NONE (dist=NONE)	1	194128410	194136845	0	0	0	0	3	21	8435	6.83567305	-6.228811731	3.913737006	-1.591525369	NA	NA
chrY:2821949-2829687	exonic	ZFY	Y	2821949	2829687	0	0	0	26	12	7	7738	6.373955337	-6.136044827	1.619578029	-3.78866885	0.000151457	0.998252924
chrY:21749095-21749393	ncRNA_exonic	TXLNGY	Y	21749095	21749393	0	0	0	8	24	3	298	4.679805031	-5.705525943	1.757787471	-3.24585653	NA	NA
chr17:48511955-48512326	intronic	ACSF2	17	48511955	48512326	0	0	0	4	0	12	371	4.123868846	-5.495940108	3.918329944	-1.402623104	NA	NA
chrMT:9031-9189	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	9031	9189	0	0	0	0	10	5	158	2.751367262	-4.915417436	3.75634175	-1.308565025	0.190681735	0.998252924
chr15:82218014-82222466	intergenic	TMC3-AS1 (dist=482597), MEX3B (dist=111653)	15	82218014	82222466	0	0	0	0	0	9	4452	2.773967479	-4.915136666	3.924021564	-1.252576365	NA	NA
chr3:145820541-145839035	exonic	PLOD2	3	145820541	145839035	0	0	0	0	0	9	18494	2.773967479	-4.915136666	3.924021564	-1.252576365	NA	NA
chr3:145820541-145842016	exonic	PLOD2	3	145820541	145842016	0	0	0	0	0	9	21475	2.773967479	-4.915136666	3.924021564	-1.252576365	NA	NA
chr6:32610387-32713849	exonic	HLA-DQA1, HLA-DQA2, HLA-DQB1	6	32610387	32713849	0	0	0	0	0	9	103462	2.773967479	-4.915136666	3.924021564	-1.252576365	NA	NA
chr1:1417518-1454370	exonic	ATAD3A, ATAD3B	1	1417518	1454370	0	0	0	11	0	5	36852	2.710518281	-4.894341689	3.703226106	-1.321642684	0.186287163	0.998252924
chr20:52773707-52788209	exonic	CYP24A1	20	52773707	52788209	2	4	0	0	124	42	14502	28.90765895	-4.865023633	2.323701219	-2.09365283	NA	NA
chr8:39982961-39984692	intergenic	IDO2 (dist=109051), C8orf4 (dist=26295)	8	39982961	39984692	0	0	0	0	21	0	1731	2.541575858	-4.818435692	3.925208797	-1.227561626	NA	NA
chr5:142258938-142311690	exonic	ARHGAP26	5	142258938	142311690	0	0	0	6	14	0	52752	2.332252216	-4.723365277	2.252650579	-2.096803348	0.036010987	0.998252924
chr11:82822155-82828239	intergenic	RAB30-AS1 (dist=37401), PCP11 (dist=39898)	11	82822155	82828239	0	0	0	5	14	0	6084	2.225940831	-4.655832645	2.288949239	-2.03404801	0.041946755	0.998252924
chrX:93593982-93599840	intergenic	FAM133A (dist=626709), BRDTP1 (dist=1992245)	X	93593982	93599840	0	0	0	0	11	3	5858	2.255957466	-4.632987702	3.711996791	-1.24811199	0.211990048	0.998252924
chr7:66458203-66459328	exonic	SBDS	7	66458203	66459328	0	0	0	2	9	3	1125	2.226525393	-4.602907642	2.129169155	-2.161832765	NA	NA
chr8:141595218-141616013	exonic	AGO2	8	141595218	141616013	0	0	0	4	7	3	20795	2.19709332	-4.583442006	2.101382921	-2.181155067	0.029171949	0.998252924
chr18:21650715-21650987	intronic	TTC39C	18	21650715	21650987	0	0	0	3	0	6	272	2.168245808	-4.559698015	3.887994685	-1.172763438	0.240890684	0.998252924
chr14:84112888-84132553	intergenic	NONE (dist=NONE), LINC00911 (dist=1727670)	14	84112888	84132553	0	0	0	0	0	7	19665	2.157530262	-4.546864931	3.928994066	-1.157259302	NA	NA
chr2:89278455-89442355	intergenic	MIR4436A (dist=166487), NONE (dist=NONE)	2	89278455	89442355	0	0	0	0	17	0	163900	2.057466171	-4.515694043	3.929475066	-1.149185061	NA	NA
chr2:8383695-8427688	ncRNA_exonic	LINC00299	2	8383695	8427688	0	0	0	18	0	0	43993	1.913604933	-4.415151575	3.93109792	-1.123134469	NA	NA
chr22:42262834-42267039	exonic	SREBF2	22	42262834	42267039	0	0	0	3	0	5	4205	1.860027199	-4.335135378	3.795347776	-1.142223489	0.253361135	0.998252924
chr14:106109960-106208132	ncRNA_exonic	ELK2AP	14	106109960	106208132	0	0	0	0	0	6	98172	1.849311653	-4.320210067	3.932735597	-1.098525431	NA	NA
chrMT:10783-10923	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	10783	10923	0	0	0	0	0	6	140	1.849311653	-4.320210067	3.932735597	-1.098525431	NA	NA
chr10:98303832-98336586	exonic	TM9SF3	10	98303832	98336586	0	1	0	0	7	9	32754	3.795435231	-4.304422099	2.003942525	-2.147976823	0.031715597	0.998252924
chr6:62362160-62442669	exonic	KHDRBS2	6	62362160	62442669	0	0	0	16	0	0	80509	1.700982162	-4.266757018	2.772998329	-1.538679981	NA	NA
chr3:28174292-28182255	intergenic	LINC009662 (dist=288665), CMC1 (dist=100869)	3	28174292	28182255	0	0	0	0	14	0	7963	1.694383905	-4.253231686	2.782744933	-1.528430305	NA	NA
chr2:61406116-61413632	exonic	AHSA2	2	61406116	61413632	0	0	0	2	0	5	7516	1.753715814	-4.247643063	3.897894504	-1.089727559	0.275833173	0.998252924
chr12:110566754-110584853	exonic	IFT81	12	110566754	110584853	2	0	0	1	4	0	18099	1.727699669	-4.217565513	2.27297226	-1.85552881	0.063520749	0.998252924
chr4:54249939-54310270	exonic	FIPIL1	4	54249939	54310270	0	0	0	5	2	3	60331	1.698267596	-4.193439687	2.295365796	-1.826915646	0.067712453	0.998252924
chr8:141856358-141874498	exonic	PTK2	8	141856358	141874498	0	0	0	0	4	4	18140	1.716984122	-4.190417437	2.527389464	-1.658002258	0.097317011	0.998252924
chr22:39358103-39387631	exonic	APOBEC3A, APOBEC3A_B, APOBEC3B	22	39358103	39387631	0	0	0	15	0	0	29528	1.594670777	-4.174262065	2.827463791	-1.476327328	NA	NA
chrMT:8927-9189	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	8927	9189	0	0	0	0	6	3	262	1.650820357	-4.153962204	2.547304629	-1.630728479	0.102947625	0.998252924
chr11:65267160-65267534	ncRNA_exonic	MALAT1	11	65267160	65267534	0	0	0	0	13	0	374	1.573356483	-4.146849335	2.845570971	-1.457299564	NA	NA

chr14:102449355-102449946	exonic	DYNC1H1	14	102449355	102449946	0	0	0	1	0	5	591	1.647404429	-4.105886437	2.627585925	-1.562607867	NA	NA
chr10:24816864-24825822	exonic	KIAA1217	10	24816864	24825822	0	0	0	13	1	0	8958	1.503075429	-4.096614204	2.644110643	-1.549335394	NA	NA
chr19:39948314-39950600	exonic	SUPT5H	19	39948314	39950600	0	0	0	0	3	4	2286	1.595956701	-4.077099036	2.593165573	-1.572247865	0.115893079	0.998252924
chr6:12120122-12126103	exonic	HIVEP1	6	12120122	12126103	0	0	0	0	3	4	5981	1.595956701	-4.077099036	2.593165573	-1.572247865	0.115893079	0.998252924
chr17:28811231-28819771	exonic	GOSR1	17	28811231	28819771	0	0	0	0	5	3	8540	1.529792935	-4.037693181	2.610058457	-1.546974234	0.121869459	0.998252924
chr10:12442015-12445368	intronic	CAMK1D	10	12442015	12445368	0	0	0	3	0	4	3353	1.551808591	-4.035477459	2.612324866	-1.544783925	0.122398537	0.998252924
chr17:62465140-62465559	downstream	MILR1 (dist=380)	17	62465140	62465559	0	0	0	3	0	4	419	1.551808591	-4.035477459	2.612324866	-1.544783925	0.122398537	0.998252924
chr5:137027973-137045545	exonic	KLHL3	5	137027973	137045545	0	0	0	3	0	4	17572	1.551808591	-4.035477459	2.612324866	-1.544783925	0.122398537	0.998252924
chr6:129815213-129879311	exonic	LAMA2	6	129815213	129879311	0	0	0	3	0	4	64098	1.551808591	-4.035477459	2.612324866	-1.544783925	0.122398537	0.998252924
chr8:25265499-25266456	exonic	DOCK5	8	25265499	25266456	0	0	0	6	2	2	957	1.496360372	-4.03360034	2.384463598	-1.691617496	0.090718928	0.998252924
chr1:25666965-25669564	exonic	TMEM50A	1	25666965	25669564	0	0	0	0	0	5	2599	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr11:129635441-129637334	intergenic	LINC01395 (dist=148277), TMEM45B (dist=48407)	11	129635441	129637334	0	0	0	0	0	5	1893	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr12:28544236-28605587	exonic	CCDC91	12	28544236	28605587	0	0	0	0	0	5	61351	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr12:8378905-8388595	ncRNA_exonic	FAM86FP, LOC101927905	12	8378905	8388595	0	0	0	0	0	5	9690	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr15:59036112-59036948	intronic	ADAM10	15	59036112	59036948	0	0	0	0	0	5	836	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr16:4978313-4978818	intronic	PPL	16	4978313	4978818	0	0	0	0	0	5	505	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr2:156666440-156770739	intergenic	KCNJ3 (dist=951576), LOC101929378 (dist=106308)	2	156666440	156770739	0	0	0	0	0	5	104299	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr22:40912347-40913036	intronic	MKL1	22	40912347	40913036	0	0	0	0	0	5	689	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr3:18082941-18105554	exonic	LOC339862	3	18082941	18105554	0	0	0	0	0	5	22613	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr3:56764694-56765327	intronic	ARHGEF3	3	56764694	56765327	0	0	0	0	0	5	633	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr8:112015642-112039662	ncRNA_exonic	LINC01608	8	112015642	112039662	0	0	0	0	0	5	24020	1.541093044	-4.014715562	2.907276157	-1.380919922	NA	NA
chr7:40027197-40027857	exonic	CDK13	7	40027197	40027857	0	0	0	2	3	3	660	1.500360862	-3.999845917	2.399221177	-1.667143469	0.09548588	0.998252924
chr13:25073438-25077915	exonic	PARP4	13	25073438	25077915	0	0	0	13	0	0	4477	1.382048007	-3.969050219	2.956980943	-1.342264389	NA	NA
chr4:9642695-9643074	intergenic	MIR54812 (dist=84758), DRD5 (dist=140184)	4	9642695	9643074	0	0	0	6	6	0	379	1.364032842	-3.955800292	2.645090655	-1.495525412	0.134777373	0.998252924
chr11:120276826-120278532	exonic	ARHGEF12	11	120276826	120278532	0	0	0	0	2	4	1706	1.474929279	-3.954281468	2.673259498	-1.479198511	0.139087268	0.998252924
chr7:74119495-74131270	exonic	GTF2I	7	74119495	74131270	2	0	0	5	6	5	11775	1.474929279	-3.954281468	2.673259498	-1.479198511	0.139087268	0.998252924
chr2:9083315-9098771	exonic	MBOAT2	2	9083315	9098771	0	0	0	4	2	3	15456	1.349316805	-3.941095702	2.655464389	-1.484145567	0.137770307	0.998252924
chr20:32138447-32144544	intronic	CBFA2T2	20	32138447	32144544	0	0	0	0	4	3	6097	1.408765514	-3.911097319	2.683015968	-1.457724205	0.144916577	0.998252924
chr19:23844915-23845960	exonic	ZNF675	19	23844915	23845960	0	0	0	2	9	0	1045	1.301869566	-3.884186336	2.727197456	-1.424240965	0.15437673	0.998252924
chr8:66534497-66539668	exonic	ARMC1	8	66534497	66539668	0	0	0	3	8	0	5171	1.28715353	-3.869430142	2.716879996	-1.424218275	0.154383296	0.998252924
chr7:42063066-42088295	exonic	GLI3	7	42063066	42088295	0	0	0	12	0	0	25229	1.275736622	-3.854241004	3.034913874	-1.269967177	NA	NA
chrY:15021270-15024974	exonic	DDX3Y	Y	15021270	15024974	0	0	0	4	7	0	3704	1.272437493	-3.854221971	2.716222537	-1.418963991	0.155909514	0.998252924
chr3:107429298-107451870	exonic	BBX	3	107429298	107451870	0	0	0	9	4	1	22572	1.294453148	-3.853884798	2.517561544	-1.530800663	0.125818674	0.998252924
chr12:95887831-95889874	exonic	METAP2	12	95887831	95889874	0	0	0	1	5	2	2043	1.327885712	-3.84822455	2.518790041	-1.527806799	0.126560514	0.998252924
chr2:113057425-113082774	exonic	ZC3H6	2	113057425	113082774	1	0	0	5	9	3	25349	2.674446491	-3.842444471	1.923769659	-1.997351633	0.045786998	0.998252924

chr7:111617186-111644186	exonic	DOCK4	7	111617186	111644186	0	0	0	8	1	1	27000	1.279737112	-3.837568149	2.56480297	-1.496242867	0.134590377	0.998252924
chr2:203974872-203992660	exonic	NBEAL1	2	203974872	203992660	0	0	0	0	1	4	17788	1.353901857	-3.821032778	2.780865722	-1.37404433	NA	NA
chr12:94562928-94621011	exonic	PLXNC1	12	94562928	94621011	0	0	0	1	0	4	58083	1.33918582	-3.804533731	2.789280179	-1.36398407	NA	NA
chr1:114367763-114377061	exonic	PTPN22	1	114367763	114377061	0	0	0	5	1	2	9298	1.269021565	-3.783878139	2.549337968	-1.484259124	0.13774019	0.998252924
chr1:16811318-16957604	exonic	FAM231B, NBPFL	1	16811318	16957604	0	0	0	0	3	3	146286	1.287738092	-3.772204244	2.769477334	-1.362063591	0.173177817	0.998252924
chr10:96201653-96203180	exonic	TBC1D12	10	96201653	96203180	0	0	0	0	3	3	1527	1.287738092	-3.772204244	2.769477334	-1.362063591	0.173177817	0.998252924
chr12:117476835-117479799	exonic	TESC	12	117476835	117479799	0	0	0	0	3	3	2964	1.287738092	-3.772204244	2.769477334	-1.362063591	0.173177817	0.998252924
chr13:21987791-21999817	exonic	ZDHHC20	13	21987791	21999817	0	0	0	0	3	3	12026	1.287738092	-3.772204244	2.769477334	-1.362063591	0.173177817	0.998252924
chr14:92102768-92195823	exonic	CATSPERB	14	92102768	92195823	0	0	0	0	10	0	93055	1.210274218	-3.77007694	3.094568207	-1.218288526	NA	NA
chr14:92105439-92195823	exonic	CATSPERB	14	92105439	92195823	0	0	0	0	10	0	90384	1.210274218	-3.77007694	3.094568207	-1.218288526	NA	NA
chr6:170697374-170704667	exonic	FAM120B	6	170697374	170704667	0	0	0	4	4	1	7293	1.217573837	-3.760497756	2.549407917	-1.475047493	0.140199775	0.998252924
chr12:131484927-131498885	exonic	ADGRD1	12	131484927	131498885	0	0	0	10	1	0	13958	1.184141273	-3.754713387	2.845805926	-1.319384907	NA	NA
chr19:55107654-55144211	exonic	LILRA1, LILRB1	19	55107654	55144211	0	0	0	11	0	0	36557	1.169425237	-3.729399177	3.124305778	-1.193672912	NA	NA
chr20:19978311-19978717	intronic	RIN2	20	19978311	19978717	0	0	0	11	0	0	406	1.169425237	-3.729399177	3.124305778	-1.193672912	NA	NA
chr3:130305349-130353469	exonic	COL6A6	3	130305349	130353469	0	0	0	11	0	0	48120	1.169425237	-3.729399177	3.124305778	-1.193672912	NA	NA
chr19:39161471-39162975	intronic	ACTN4	19	39161471	39162975	0	0	0	3	7	0	1504	1.166126108	-3.727918922	2.80799314	-1.327609697	0.184307079	0.998252924
chr7:91924202-91948826	exonic	ANKIB1	7	91924202	91948826	0	0	0	2	1	3	24624	1.258306018	-3.726842962	2.584971775	-1.441734489	0.14937729	0.998252924
chr1:179100445-179102509	exonic	ABL2	1	179100445	179102509	0	0	0	6	2	1	2064	1.188141763	-3.726680153	2.586802316	-1.440651313	0.149683216	0.998252924
chr2:128093446-128100770	exonic	MAP3K2	2	128093446	128100770	0	0	0	0	5	2	7324	1.221574327	-3.725314505	2.808854548	-1.326275334	NA	NA
chr8:48612964-48614577	exonic	SPIDR	8	48612964	48614577	0	0	0	1	4	2	1613	1.20685829	-3.702336636	2.597816566	-1.425172464	0.154107354	0.998252924
chr2:73659325-73682422	exonic	ALMS1	2	73659325	73682422	0	0	0	5	5	0	23097	1.136694035	-3.693786053	2.819049561	-1.310294826	0.190096117	0.998252924
chr1:150679028-150689758	exonic	HORMAD1	1	150679028	150689758	0	0	0	0	0	4	10730	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr1:225226395-225284941	exonic	DNAH14	1	225226395	225284941	0	0	0	0	0	4	58546	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr10:34748393-34749501	intronic	PARD3	10	34748393	34749501	0	0	0	0	0	4	1108	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr10:74373314-74373671	intronic	MICU1	10	74373314	74373671	0	0	0	0	0	4	357	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr11:15198656-15212360	exonic	INSC	11	15198656	15212360	0	0	0	0	0	4	13704	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr12:47620452-47622361	intronic	PCED1B	12	47620452	47622361	0	0	0	0	0	4	1909	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr12:595651-596602	intronic	B4GALNT3	12	595651	596602	0	0	0	0	0	4	951	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr14:91970869-91972399	intronic	PPP4R3A	14	91970869	91972399	0	0	0	0	0	4	1530	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr15:90970093-90972180	intronic	IQGAP1	15	90970093	90972180	0	0	0	0	0	4	2087	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr19:50764813-50770265	exonic	MYH14	19	50764813	50770265	0	0	0	0	0	4	5452	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr19:9007487-9018561	exonic	MUC16	19	9007487	9018561	0	0	0	0	0	4	11074	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr20:5538591-5585086	exonic	GPCPD1	20	5538591	5585086	0	0	0	0	0	4	46495	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr22:28910745-28946139	intronic	TTC28	22	28910745	28946139	0	0	0	0	0	4	35394	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr4:57878561-57879027	intronic	POLR2B	4	57878561	57879027	0	0	0	0	0	4	466	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA

chr5:104578994-104582067	intergenic	RAB9P1 (dist=143195), LOC102467213 (dist=1568831)	5	104578994	104582067	0	0	0	0	0	0	4	3073	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr6:134012478-134024761	ncRNA_intronic	TARID	6	134012478	134024761	0	0	0	0	0	0	4	12283	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr7:77237308-77238305	intronic	PTPN12	7	77237308	77238305	0	0	0	0	0	0	4	997	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr8:87497100-87519341	exonic	RMDN1	8	87497100	87519341	0	0	0	0	0	0	4	22241	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chrMT:13678-13845	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	13678	13845	0	0	0	0	0	0	4	167	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chrMT:13846-13989	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	13846	13989	0	0	0	0	0	0	4	143	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chrX:93593982-93601012	intergenic	FAM133A (dist=626709), BRDTP1 (dist=1991073)	X	93593982	93601012	0	0	0	0	0	0	4	7030	1.232874435	-3.688396026	3.117981479	-1.182943533	NA	NA
chr17:869279-869697	intronic	NXN	17	869279	869697	0	0	0	2	3	2	2	418	1.192142253	-3.683943214	2.577679453	-1.429170415	0.152955259	0.998252924
chr12:28408514-28412375	exonic	CCDC91	12	28408514	28412375	0	0	0	8	2	0	0	3861	1.092545925	-3.639416483	2.883302919	-1.262238684	0.206862913	0.998252924
chr9:13216772-13250371	exonic	MPDZ	9	13216772	13250371	0	0	0	8	2	0	0	33599	1.092545925	-3.639416483	2.883302919	-1.262238684	0.206862913	0.998252924
chrX:106331665-106332069	exonic	RBM41	X	106331665	106332069	0	0	1	4	5	4	4	404	2.46052611	-3.639008747	1.978681707	-1.839107692	0.065899348	0.998252924
chr2:36615115-36623930	exonic	CRIM1	2	36615115	36623930	0	0	0	5	0	2	2	8815	1.147994143	-3.636365268	2.861769031	-1.270670424	NA	NA
chr11:111706887-111724459	exonic	ALG9	11	111706887	111724459	0	0	0	3	4	1	1	17572	1.111262451	-3.624006506	2.634778248	-1.37545029	0.168991887	0.998252924
chr14:92185761-92195823	exonic	CATSPERB	14	92185761	92195823	0	0	0	0	9	0	0	10062	1.089246796	-3.618708165	3.207010447	-1.128374299	NA	NA
chr14:96986391-96991728	exonic	PAPOLA	14	96986391	96991728	0	0	0	0	9	0	0	5337	1.089246796	-3.618708165	3.207010447	-1.128374299	NA	NA
chr20:5580075-5580288	intronic	GPCPD1	20	5580075	5580288	0	0	0	0	2	3	2	213	1.16671067	-3.618504898	2.875312991	-1.258473394	0.208220603	0.998252924
chr9:88957989-88961395	exonic	ZCCHC6	9	88957989	88961395	0	0	0	5	2	1	1	3406	1.081830378	-3.586957145	2.667888266	-1.344493017	0.178789013	0.998252924
chr19:9007486-9012898	exonic	MUC16	19	9007486	9012898	8	0	9	2	10	105	5412	36.59316768	-3.586559713	2.102778275	-1.705629051	NA	NA	
chr20:5545662-5554615	exonic	GPCPD1	20	5545662	5554615	0	0	0	2	0	3	3	8953	1.137278597	-3.580538635	2.897390373	-1.235780538	0.216540151	0.998252924
chr4:2656784-2702271	exonic	FAM193A	4	2656784	2702271	0	0	0	2	0	3	3	45487	1.137278597	-3.580538635	2.897390373	-1.235780538	0.216540151	0.998252924
chr5:176671195-176675325	exonic	NSD1	5	176671195	176675325	0	0	0	2	0	3	3	4130	1.137278597	-3.580538635	2.897390373	-1.235780538	0.216540151	0.998252924
chr15:45059429-45059793	exonic	TRIM69	15	45059429	45059793	0	0	0	3	6	0	0	364	1.045098686	-3.570916256	2.915195086	-1.224932175	0.220600776	0.998252924
chr11:32118689-32120074	exonic	RCN1	11	32118689	32120074	0	0	0	6	1	1	1	1385	1.067114341	-3.567796522	2.713925033	-1.314626041	0.188635614	0.998252924
chr16:19434178-19435168	intronic	TMC5	16	19434178	19435168	0	0	0	0	4	2	2	990	1.100546905	-3.566508131	2.911482153	-1.224980249	0.220582662	0.998252924
chr2:190656515-190670480	exonic	PMS1	2	190656515	190670480	0	0	0	4	5	0	0	13965	1.03038265	-3.551991701	2.921929859	-1.21563209	0.224125104	0.998252924
chr9:86276692-86284242	exonic	UBQLN1	9	86276692	86284242	0	0	0	4	5	0	0	7550	1.03038265	-3.551991701	2.921929859	-1.21563209	0.224125104	0.998252924
chr7:77200394-77221573	exonic	PTPN12	7	77200394	77221573	1	0	0	3	0	6	6	21179	2.297232751	-3.543127335	2.249431842	-1.575121001	0.115228517	0.998252924
chr16:75674081-75675621	exonic	KARS	16	75674081	75675621	0	0	0	1	3	2	2	1540	1.085830868	-3.53978627	2.693378255	-1.31425516	0.188760351	0.998252924
chr12:113354313-113355505	exonic	OAS1	12	113354313	113355505	0	0	0	5	4	0	0	1192	1.015666613	-3.532596357	2.935818083	-1.20327495	0.228869939	0.998252924
chr13:21955572-21965993	exonic	ZDHHC20	13	21955572	21965993	0	0	0	5	4	0	0	10421	1.015666613	-3.532596357	2.935818083	-1.20327495	0.228869939	0.998252924
chr19:9768684-9770143	exonic	ZNF562	19	9768684	9770143	0	0	0	5	4	0	0	1459	1.015666613	-3.532596357	2.935818083	-1.20327495	0.228869939	0.998252924
chr3:197557640-197593090	exonic	LRCH3	3	197557640	197593090	0	0	0	2	2	2	2	35450	1.071114831	-3.51936777	2.683377309	-1.311544134	0.189673993	0.998252924
chr8:42924697-42927450	exonic	FNTA	8	42924697	42927450	0	0	0	2	2	2	2	2753	1.071114831	-3.51936777	2.683377309	-1.311544134	0.189673993	0.998252924
chr12:46339031-46357971	exonic	SCAF11	12	46339031	46357971	0	0	0	0	6	1	1	18940	1.03438314	-3.512982939	2.991699626	-1.174243199	0.240297627	0.998252924
chr16:11873021-11876244	exonic	ZC3H7A	16	11873021	11876244	0	0	0	0	6	1	1	3223	1.03438314	-3.512982939	2.991699626	-1.174243199	0.240297627	0.998252924

chr4:17963525-17974508	exonic	LCORL	4	17963525	17974508	0	0	0	6	3	0	10983	1.000950576	-3.512723107	2.956390037	-1.188179862	0.234762556	0.998252924
chr2:20478343-20518406	exonic	PUM2	2	20478343	20518406	0	0	1	2	3	5	40063	2.314067105	-3.509311299	2.064102086	-1.700163632	NA	NA
chrY:7209155-7239930	ncRNA_exonic	PRKY	Y	7209155	7239930	0	0	0	7	2	0	30775	0.98623454	-3.492238742	2.987050383	-1.16912616	0.242352806	0.998252924
chr5:179258570-179258878	intronic	SQSTM1	5	179258570	179258878	0	0	0	4	0	2	308	1.041682758	-3.487295096	2.961651946	-1.177483093	0.239002742	0.998252924
chr6:34614377-34622556	exonic	C6orf106	6	34614377	34622556	0	0	0	4	0	2	8179	1.041682758	-3.487295096	2.961651946	-1.177483093	0.239002742	0.998252924
chr3:126340584-126366139	exonic	TXNRD3	3	126340584	126366139	0	0	0	3	3	1	25555	0.99023503	-3.452708675	2.743941932	-1.258302384	0.208282419	0.998252924
chr14:27664507-27676324	intergenic	<small>W18430785(dist+280558), LINC00945(dist+405470)</small>	14	27664507	27676324	0	0	0	0	8	0	11817	0.968219374	-3.449458593	3.341771705	-1.03222449	NA	NA
chr1:93687165-93730458	exonic	CCDC18	1	93687165	93730458	0	0	0	0	1	3	43293	1.045683248	-3.447083156	3.015667634	-1.143058047	NA	NA
chr10:11990367-11994248	exonic	UPF2	10	11990367	11994248	0	0	0	0	1	3	3881	1.045683248	-3.447083156	3.015667634	-1.143058047	NA	NA
chr5:74842834-74879242	exonic	POLK	5	74842834	74879242	0	0	0	0	1	3	36408	1.045683248	-3.447083156	3.015667634	-1.143058047	NA	NA
chr8:70488204-70517167	exonic	SULF1	8	70488204	70517167	0	0	0	0	1	3	28963	1.045683248	-3.447083156	3.015667634	-1.143058047	NA	NA
chr10:21246660-21250708	exonic	NEBL	10	21246660	21250708	0	0	0	9	0	0	4048	0.956802466	-3.441370433	3.35005059	-1.027259243	NA	NA
chr5:36953719-36986403	exonic	NIPBL	5	36953719	36986403	0	1	0	4	5	3	32684	2.129314275	-3.440707719	2.048016942	-1.680019168	0.092953586	0.998252924
chr1:155874101-155874595	exonic	RIT1	1	155874101	155874595	0	0	0	4	2	1	494	0.975518993	-3.431995494	2.764379222	-1.241506761	0.214418602	0.998252924
chr11:17126715-17136012	exonic	PIK3C2A	11	17126715	17136012	0	0	0	2	0	0	9297	1.030967212	-3.425766632	3.028819275	-1.131056799	NA	NA
chr11:34110941-34113603	exonic	CAPRIN1	11	34110941	34113603	0	0	0	1	0	3	2662	1.030967212	-3.425766632	3.028819275	-1.131056799	NA	NA
chr13:21619823-21620369	exonic	LATS2	13	21619823	21620369	0	0	0	1	0	3	546	1.030967212	-3.425766632	3.028819275	-1.131056799	NA	NA
chr15:52425574-52433469	exonic	GNB5	15	52425574	52433469	0	0	0	1	0	3	7895	1.030967212	-3.425766632	3.028819275	-1.131056799	NA	NA
chr7:26235466-26237352	exonic	HNRNPA2B1	7	26235466	26237352	0	0	0	1	0	3	1886	1.030967212	-3.425766632	3.028819275	-1.131056799	NA	NA
chr2:90121838-90198770	intergenic	<small>W184396A(dist+1009670), LOC553342(dist+1625689)</small>	2	90121838	90198770	0	24	0	0	342	11	76932	48.96440213	-3.421523271	3.737196649	-0.91553204	NA	NA
chr13:95813442-95840796	exonic	ABCC4	13	95813442	95840796	0	0	0	2	6	0	27354	0.938787301	-3.415446543	3.044267505	-1.121927208	0.261893391	0.998252924
chr4:39843567-39851272	exonic	PDS5A	4	39843567	39851272	0	0	0	2	6	0	7705	0.938787301	-3.415446543	3.044267505	-1.121927208	0.261893391	0.998252924
chr7:77236551-77261742	exonic	PTPN12	7	77236551	77261742	2	0	0	1	6	0	25191	0.938787301	-3.415446543	3.044267505	-1.121927208	0.261893391	0.998252924
chr5:39002636-39021238	exonic	RICTOR	5	39002636	39021238	1	0	0	3	1	5	18602	2.110041564	-3.408716835	2.145181329	-1.589011049	NA	NA
chr8:143412261-143413192	exonic	TSNARE1	8	143412261	143413192	0	0	0	3	5	0	931	0.924071264	-3.394552167	3.045612388	-1.114571303	0.265034174	0.998252924
chr9:126519981-126641300	exonic	DENND1A	9	126519981	126641300	0	0	0	3	5	0	121319	0.924071264	-3.394552167	3.045612388	-1.114571303	0.265034174	0.998252924
chr9:37126308-37327831	exonic	ZCCHC7	9	37126308	37327831	0	0	0	3	5	0	201523	0.924071264	-3.394552167	3.045612388	-1.114571303	0.265034174	0.998252924
chr2:63423257-63428426	intronic	WDPCP	2	63423257	63428426	0	0	2	0	3	12	5169	4.456243622	-3.393346621	2.952489562	-1.14931706	NA	NA
chr19:46024579-46026076	exonic	VASP	19	46024579	46026076	0	0	0	6	0	1	1497	0.94608692	-3.3884163	3.077915039	-1.100880387	0.270948719	0.998252924
chr15:65756098-65772737	exonic	DPP8	15	65756098	65772737	0	0	0	0	3	2	16639	0.979519483	-3.38775541	3.036106671	-1.115822261	0.264498223	0.998252924
chr15:65759015-65772737	exonic	DPP8	15	65759015	65772737	0	0	0	0	3	2	13722	0.979519483	-3.38775541	3.036106671	-1.115822261	0.264498223	0.998252924
chr4:152336876-152403800	UTR5	<small>FAM160A1(5'UTR_001109977:c.-111559_-1113274611aa0)</small>	4	152336876	152403800	0	0	0	0	3	2	66924	0.979519483	-3.38775541	3.036106671	-1.115822261	0.264498223	0.998252924
chr4:56269402-56284152	exonic	TMEM165	4	56269402	56284152	0	0	0	0	3	2	14750	0.979519483	-3.38775541	3.036106671	-1.115822261	0.264498223	0.998252924
chrX:21869626-21871621	exonic	MBTPS2	X	21869626	21871621	0	0	0	0	3	2	1995	0.979519483	-3.38775541	3.036106671	-1.115822261	0.264498223	0.998252924
chr1:235505023-235506198	exonic	GGPS1	1	235505023	235506198	0	0	0	4	4	0	1175	0.909355228	-3.37302311	3.058377227	-1.102880011	0.270079276	0.998252924

chr12:102107867-102110590	exonic	CHPT1	12	102107867	102110590	0	0	0	4	4	0	2723	0.909355228	-3.37302311	3.058377227	-1.102880011	0.270079276	0.998252924
chr9:26861063-26887511	exonic	CAAP1	9	26861063	26887511	0	0	0	2	0	2	26448	0.964803446	-3.356378124	2.812837622	-1.193235648	0.232777097	0.998252924
chr10:70152894-70154208	exonic	RUFY2	10	70152894	70154208	1	0	0	3	5	3	1314	1.977714034	-3.354504749	2.098754456	-1.59833121	0.109969285	0.998252924
chr11:116627861-116629123	exonic	BUD13	11	116627861	116629123	0	0	0	5	3	0	1262	0.894639191	-3.35092432	3.079347124	-1.088193109	0.276509866	0.998252924
chr16:56660792-56673241	exonic	MT1A, MT1E, MT1M	16	56660792	56673241	0	0	0	5	3	0	12449	0.894639191	-3.35092432	3.079347124	-1.088193109	0.276509866	0.998252924
chr17:79571573-79575848	exonic	NPLOC4	17	79571573	79575848	0	0	0	5	3	0	4275	0.894639191	-3.35092432	3.079347124	-1.088193109	0.276509866	0.998252924
chr2:43926785-43933555	exonic	PLEKHH2	2	43926785	43933555	0	0	0	5	3	0	6770	0.894639191	-3.35092432	3.079347124	-1.088193109	0.276509866	0.998252924
chr2:40366540-40404995	exonic	SLC8A1	2	40366540	40404995	0	0	0	2	1	2	38455	0.95008741	-3.334025305	2.825810664	-1.179847379	0.238060922	0.998252924
chr5:50055476-50093067	exonic	PARP8	5	50055476	50093067	0	0	0	2	1	2	37591	0.95008741	-3.334025305	2.825810664	-1.179847379	0.238060922	0.998252924
chr17:76075475-76079247	exonic	TNRC6C	17	76075475	76079247	0	0	0	6	2	0	3772	0.879923154	-3.328148936	3.111158672	-1.069745804	0.284733743	0.998252924
chr2:188223789-188252483	exonic	CALCRL	2	188223789	188252483	0	0	0	6	2	0	28694	0.879923154	-3.328148936	3.111158672	-1.069745804	0.284733743	0.998252924
chr13:33306237-33309467	exonic	PDS5B	13	33306237	33309467	0	0	0	0	5	1	3230	0.913355718	-3.328115842	3.122688126	-1.065785537	0.2865206	0.998252924
chr4:151727422-151738409	exonic	LRBA	4	151727422	151738409	0	0	0	0	5	1	10987	0.913355718	-3.328115842	3.122688126	-1.065785537	0.2865206	0.998252924
chr6:42023268-42025251	exonic	TAF8	6	42023268	42025251	0	0	0	0	5	1	1983	0.913355718	-3.328115842	3.122688126	-1.065785537	0.2865206	0.998252924
chr9:37126308-37304310	exonic	ZCCHC7	9	37126308	37304310	0	0	0	0	5	1	178002	0.913355718	-3.328115842	3.122688126	-1.065785537	0.2865206	0.998252924
chr10:4872867-4975522	exonic	AKRIE2	10	4872867	4975522	0	0	0	3	0	2	102655	0.935371373	-3.320729191	3.081201045	-1.077738564	0.281150443	0.998252924
chr11:110118427-110124834	exonic	RDX	11	110118427	110124834	0	0	0	3	0	2	6407	0.935371373	-3.320729191	3.081201045	-1.077738564	0.281150443	0.998252924
chr17:19554859-19575269	exonic	ALDH3A2	17	19554859	19575269	0	0	0	3	0	2	20410	0.935371373	-3.320729191	3.081201045	-1.077738564	0.281150443	0.998252924
chr17:61841375-61842207	exonic	CCDC47	17	61841375	61842207	0	0	0	3	0	2	832	0.935371373	-3.320729191	3.081201045	-1.077738564	0.281150443	0.998252924
chr4:129857809-129886473	exonic	SCLT1	4	129857809	129886473	0	0	0	2	0	0	28664	0.935371373	-3.320729191	3.081201045	-1.077738564	0.281150443	0.998252924
chr8:30332294-30336893	exonic	RBPMS	8	30332294	30336893	0	0	0	3	0	2	4599	0.935371373	-3.320729191	3.081201045	-1.077738564	0.281150443	0.998252924
chr7:91700218-91715000	exonic	AKAP9	7	91700218	91715000	0	0	0	1	4	1	14782	0.898639681	-3.304467115	2.879643723	-1.147526372	0.25116414	0.998252924
chr12:82780581-82832570	exonic	METTL25	12	82780581	82832570	0	0	0	7	1	0	51989	0.865207118	-3.304326148	3.164417086	-1.044213218	NA	NA
chr2:241492330-241494472	exonic	ANKMY1	2	241492330	241494472	0	0	0	7	1	0	2142	0.865207118	-3.304326148	3.164417086	-1.044213218	NA	NA
chr5:159437506-159476669	exonic	TTC1	5	159437506	159476669	0	0	0	7	1	0	39163	0.865207118	-3.304326148	3.164417086	-1.044213218	NA	NA
chr6:144808683-144838084	exonic	UTRN	6	144808683	144838084	0	0	0	3	1	0	29401	0.865207118	-3.304326148	3.164417086	-1.044213218	NA	NA
chr5:77423853-77461496	exonic	AP3B1	5	77423853	77461496	0	0	0	2	3	1	37643	0.883923644	-3.281398768	2.866529349	-1.144728823	0.252321508	0.998252924
chr9:86279944-86293514	exonic	UBQLN1	9	86279944	86293514	0	0	0	2	3	1	13570	0.883923644	-3.281398768	2.866529349	-1.144728823	0.252321508	0.998252924
chr10:30315031-30318795	exonic	KIAA1462	10	30315031	30318795	0	0	0	8	0	0	3764	0.850491081	-3.272265865	3.495369091	-0.936171769	NA	NA
chr7:92086866-92121600	exonic	PEX1	7	92086866	92121600	0	0	0	8	0	0	34734	0.850491081	-3.272265865	3.495369091	-0.936171769	NA	NA
chrX:8553307-8556019	exonic	ANOS1	X	8553307	8556019	0	0	0	8	0	0	2712	0.850491081	-3.272265865	3.495369091	-0.936171769	NA	NA
chr1:193044949-193046180	exonic	TROVE2	1	193044949	193046180	0	0	0	0	0	3	1231	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr1:93683294-93730458	exonic	CCDC18	1	93683294	93730458	0	0	0	0	0	3	47164	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr10:121335203-121340050	exonic	TIAL1	10	121335203	121340050	0	0	0	0	0	3	4847	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr10:65208211-65208617	intronic	JMJD1C	10	65208211	65208617	0	0	0	0	0	3	406	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA

chr11:10011044-10052717	exonic	SBF2	11	10011044	10052717	0	0	0	0	0	3	41673	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr11:47817629-47818900	intronic	NUP160	11	47817629	47818900	0	0	0	0	0	3	1271	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr11:9424836-9438695	exonic	IPO7	11	9424836	9438695	0	0	0	0	0	3	13859	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr12:89744364-89744802	exonic	DUSP6	12	89744364	89744802	0	0	0	0	0	3	438	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr15:101929668-101970268	exonic	PCSK6	15	101929668	101970268	0	0	0	0	0	3	40600	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr15:50875285-50881853	exonic	TRPM7	15	50875285	50881853	0	0	0	0	0	3	6568	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr15:72810407-72837305	exonic	ARIH1	15	72810407	72837305	0	0	0	0	0	3	26898	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr15:99305893-99308596	intronic	IGF1R	15	99305893	99308596	0	0	0	0	0	3	2703	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr16:24953307-24981901	exonic	ARHGAP17	16	24953307	24981901	0	0	0	0	0	3	28594	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr16:56496445-56501205	exonic	OGFOD1	16	56496445	56501205	0	0	0	0	0	3	4760	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr16:57208173-57209008	intronic	FAM192A	16	57208173	57209008	0	0	0	0	0	3	835	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr16:67773163-67789326	exonic	RANBP10	16	67773163	67789326	0	0	0	0	0	3	16163	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr16:84492725-84495735	exonic	ATP2C2	16	84492725	84495735	0	0	0	0	0	3	3010	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr19:2189730-2191239	exonic	DOT1L	19	2189730	2191239	0	0	0	0	0	3	1509	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr19:53077329-53079274	exonic	ZNF701	19	53077329	53079274	0	0	0	0	0	3	1945	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr19:9004868-9006766	exonic	MUC16	19	9004868	9006766	0	0	0	0	0	3	1898	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:20467067-20468141	intronic	PUM2	2	20467067	20468141	0	0	0	0	0	3	1074	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:223338551-223339883	exonic	SGPP2	2	223338551	223339883	0	0	0	0	0	3	1332	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:234276106-234276924	intronic	DGKD	2	234276106	234276924	0	0	0	0	0	3	818	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:24777258-24778924	intergenic	<small>ITSN2 (dist=193861), NCOA1 (dist=28422)</small>	2	24777258	24778924	0	0	0	0	0	3	1666	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:32716491-32728303	exonic	BIRC6	2	32716491	32728303	0	0	0	0	0	3	11812	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:38566340-38566914	intronic	ATL2	2	38566340	38566914	0	0	0	0	0	3	574	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr2:78166957-78178659	ncRNA_intronic	LOC101927967	2	78166957	78178659	0	0	0	0	0	3	11702	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr20:33490643-33491594	intronic	ACSS2	20	33490643	33491594	0	0	0	0	0	3	951	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr22:29092888-29121355	exonic	CHEK2	22	29092888	29121355	0	0	0	0	0	3	28467	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr22:42046726-42053036	exonic	XRCC6	22	42046726	42053036	0	0	0	0	0	3	6310	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr22:42252213-42257422	intronic	SREBF2	22	42252213	42257422	0	0	0	0	0	3	5209	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr22:43230247-43243638	exonic	ARFGAP3	22	43230247	43243638	0	0	0	0	0	3	13391	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr3:28051961-28070094	intergenic	<small>LOC10096624 (dist=176324), CMC1 (dist=213030)</small>	3	28051961	28070094	0	0	0	0	0	3	18133	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr3:48736137-48736650	intronic	IP6K2	3	48736137	48736650	0	0	0	0	0	3	513	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr3:49317917-49320250	exonic	USP4	3	49317917	49320250	0	0	0	0	0	3	2333	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr3:65607647-65704289	exonic	MAGI1	3	65607647	65704289	0	0	0	0	0	3	96642	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr4:68284569-68286776	ncRNA_exonic	LOC101927237	4	68284569	68286776	0	0	0	0	0	3	2207	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr5:138240037-138261096	exonic	CTNNA1	5	138240037	138261096	0	0	0	0	0	3	21059	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr5:145602965-145616995	exonic	RBM27	5	145602965	145616995	0	0	0	0	0	3	14030	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA

chr5:171396254-171396787	intronic	FBXW11	5	171396254	171396787	0	0	0	0	0	3	533	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr6:111120264-111120914	intronic	CDK19	6	111120264	111120914	0	0	0	0	0	3	650	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr6:138949372-138951632	intergenic	<small>NLSL1 (dist=55704), FLJ46906 (dist=61173)</small>	6	138949372	138951632	0	0	0	0	0	3	2260	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr6:143222801-143228195	intronic	HIVEP2	6	143222801	143228195	0	0	0	0	0	3	5394	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr6:143654582-143655196	exonic	AIG1	6	143654582	143655196	0	0	0	0	0	3	614	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr6:157300939-157301356	intronic	ARID1B	6	157300939	157301356	0	0	0	0	0	3	417	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr6:7393331-7405254	exonic	RIOK1	6	7393331	7405254	0	0	0	0	0	3	11923	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr7:102279570-102280861	exonic	UPK3BL	7	102279570	102280861	0	0	0	0	0	3	1291	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr7:42187824-42262894	exonic	GLI3	7	42187824	42262894	0	0	0	0	0	3	75070	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr7:65946528-65955094	intergenic	<small>LINC00174 (dist=81133), G51-124K5.11 (dist=40198)</small>	7	65946528	65955094	0	0	0	0	0	3	8566	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr7:75660383-75667870	intronic	STYXL1	7	75660383	75667870	0	0	0	0	0	3	7487	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr7:91972337-91981956	exonic	ANKIB1	7	91972337	91981956	0	0	0	0	0	3	9619	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr8:133253740-133254016	intronic	KCNQ3	8	133253740	133254016	0	0	0	0	0	3	276	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr8:144994560-144994952	exonic	PLEC	8	144994560	144994952	0	0	0	0	0	3	392	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr9:33941646-33963789	exonic	UBAP2	9	33941646	33963789	0	0	0	0	0	3	22143	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr9:37522821-37532055	exonic	FBXO10	9	37522821	37532055	0	0	0	0	0	3	9234	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chrMT:12375-12704	intergenic	<small>NONE (dist=NONE), NONE (dist=NONE)</small>	MT	12375	12704	0	0	0	0	0	3	329	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chrX:102825496-102859612	exonic	TCEAL4	X	102825496	102859612	0	0	0	0	0	3	34116	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chrX:15444028-15477863	exonic	PIR	X	15444028	15477863	0	0	0	0	0	3	33835	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chrX:2637702-2656297	exonic	CD99	X	2637702	2656297	0	0	0	0	0	3	18595	0.924655826	-3.268273915	3.438219945	-0.950571507	NA	NA
chr19:42213599-42259610	exonic	CEACAM5, CEACAM6	19	42213599	42259610	0	0	0	0	7	0	46011	0.847191953	-3.257544046	3.506023663	-0.929127798	NA	NA
chr19:9677012-9678851	exonic	ZNF121	19	9677012	9678851	0	0	0	0	7	0	1839	0.847191953	-3.257544046	3.506023663	-0.929127798	NA	NA
chr22:22735410-22786381	intergenic	<small>BMS1P20 (dist=58086), ZNF280B (dist=52390)</small>	22	22735410	22786381	0	0	0	0	7	0	50971	0.847191953	-3.257544046	3.506023663	-0.929127798	NA	NA
chr8:17510694-17613470	exonic	MTUS1	8	17510694	17613470	0	0	0	0	7	0	102776	0.847191953	-3.257544046	3.506023663	-0.929127798	NA	NA
chrMT:3322-3603	intergenic	<small>NONE (dist=NONE), NONE (dist=NONE)</small>	MT	3322	3603	0	0	0	0	7	0	281	0.847191953	-3.257544046	3.506023663	-0.929127798	NA	NA
chr12:110566754-110581350	exonic	IFT81	12	110566754	110581350	1	0	0	3	4	3	14596	1.856686612	-3.249785357	2.138741681	-1.519484744	0.128640525	0.998252924
chr2:203817281-203820481	exonic	CARF	2	203817281	203820481	1	0	0	6	8	0	3200	1.735074628	-3.235810129	2.327872804	-1.390028752	0.164520147	0.998252924
chr4:2659529-2692697	exonic	FAM193A	4	2659529	2692697	0	0	0	4	1	1	33168	0.854491571	-3.234413824	2.9250913	-1.105747989	0.268835612	0.998252924
chr12:56742312-56743420	exonic	STAT2	12	56742312	56743420	1	0	0	9	3	1	1108	1.757090283	-3.234109081	2.188021456	-1.478097517	0.139381679	0.998252924
chr22:45197956-45221473	exonic	ARHGAP8, PRR5-ARHGAP8	22	45197956	45221473	0	1	0	2	0	5	23517	1.927991613	-3.226188086	2.362087637	-1.365820656	NA	NA
chr10:34661425-34673182	exonic	PARD3	10	34661425	34673182	1	0	0	5	2	3	11757	1.827254538	-3.225792125	2.158150658	-1.494702009	0.13499223	0.998252924
chr2:201721404-201721708	exonic	CLK1	2	201721404	201721708	1	0	0	1	10	1	304	1.753791155	-3.221585092	2.254816335	-1.428757208	0.153074029	0.998252924
chr20:3893505-3894085	intronic	PANK2	20	3893505	3894085	0	0	0	2	5	0	580	0.817759879	-3.217543151	3.199553553	-1.005622534	0.31459718	0.998252924
chr6:47575662-47580272	exonic	CD2AP	6	47575662	47580272	0	0	0	2	5	0	4610	0.817759879	-3.217543151	3.199553553	-1.005622534	0.31459718	0.998252924
chr9:111868787-111870850	exonic	TMEM245	9	111868787	111870850	0	0	0	2	5	0	2063	0.817759879	-3.217543151	3.199553553	-1.005622534	0.31459718	0.998252924

chrY:22669238-22683186	ncRNA_exonic	TTY10	Y	22669238	22683186	0	0	0	2	5	0	13948	0.817759879	-3.217543151	3.199553553	-1.005622534	0.31459718	0.998252924	
chrX:2129531-2139270	exonic	DHRSX	X	2129531	2139270	2	0	0	3	3	7	9739	3.097520568	-3.216191357	1.882564001	-1.708410102	NA	NA	
chr15:50940883-50955243	exonic	TRPM7	15	50940883	50955243	0	0	0	5	0	1	14360	0.839775535	-3.210411418	3.211052057	-0.999800489	0.317407069	0.998252924	
chr11:65198240-65205128	ncRNA_exonic	NEAT1	11	65198240	65205128	5	0	2	13	6	26	6888	11.16136913	-3.197286784	1.211124091	-2.639933272	NA	NA	
chr15:44048846-44055404	exonic	PDIA3	15	44048846	44055404	0	0	0	3	4	0	6558	0.803043843	-3.19339639	3.207939002	-0.995466681	0.319509342	0.998252924	
chr15:77020935-77057413	exonic	SCAPER	15	77020935	77057413	0	0	0	3	4	0	36478	0.803043843	-3.19339639	3.207939002	-0.995466681	0.319509342	0.998252924	
chr7:35919433-35925489	exonic		7-Sep	7	35919433	35925489	0	0	0	3	4	0	6056	0.803043843	-3.19339639	3.207939002	-0.995466681	0.319509342	0.998252924
chr1:110203787-110233186	exonic	GSTM1, GSTM2, GSTM4	1	110203787	110233186	0	0	0	0	2	2	29399	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr1:50956260-51001129	exonic	FAF1	1	50956260	51001129	0	0	0	0	2	2	44869	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr10:96253121-96260084	exonic	TBC1D12	10	96253121	96260084	0	0	0	0	2	2	6963	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr17:31065270-31076024	exonic	MYO1D	17	31065270	31076024	0	0	0	0	2	2	10754	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr17:35800605-35825645	exonic	TADA2A	17	35800605	35825645	0	0	0	0	2	2	25040	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr17:35800605-35827629	exonic	TADA2A	17	35800605	35827629	0	0	0	0	2	2	27024	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr18:18586311-18588155	exonic	ROCK1	18	18586311	18588155	0	0	0	0	2	2	1844	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr2:170691742-170692074	intronic	UBR3	2	170691742	170692074	0	0	0	0	2	2	332	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr20:62654109-62657411	exonic	PRPF6	20	62654109	62657411	0	0	0	0	2	2	3302	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr3:15258931-15262488	exonic	CAPN7	3	15258931	15262488	0	0	0	0	2	2	3557	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr3:197592294-197598333	exonic	LRCH3	3	197592294	197598333	0	0	0	0	2	2	6039	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr5:126859151-126860612	exonic	PRRC1	5	126859151	126860612	0	0	0	0	2	2	1461	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chrX:9656056-9683043	exonic	TBL1X	X	9656056	9683043	0	0	0	0	2	2	26987	0.858492061	-3.183365074	3.192071896	-0.99727236	0.318632326	0.998252924	
chr7:74119495-74133260	exonic	GTF2I	7	74119495	74133260	1	0	0	2	2	4	13765	1.816538992	-3.179233858	2.2006319	-1.444691344	0.148544602	0.998252924	
chr12:111920591-111924628	exonic	ATXN2	12	111920591	111924628	0	0	0	4	3	0	4037	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr14:35519990-35522657	exonic	FAM177A1	14	35519990	35522657	0	0	0	4	3	0	2667	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr2:120634898-120643458	exonic	PTPN4	2	120634898	120643458	0	0	0	4	3	0	8560	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr20:33302394-33303169	exonic	NCOA6	20	33302394	33303169	0	0	0	4	3	0	775	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr3:50098388-50099541	exonic	RBM6	3	50098388	50099541	0	0	0	4	3	0	1153	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr5:154330381-154346797	exonic	MRPL22	5	154330381	154346797	0	0	0	4	3	0	16416	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr6:22056775-22063469	ncRNA_exonic	CASC15	6	22056775	22063469	0	0	0	4	3	0	6694	0.788327806	-3.168498059	3.228771675	-0.981332339	0.32642888	0.998252924	
chr1:150413398-150418877	exonic	RPRD2	1	150413398	150418877	0	0	1	1	5	3	5479	1.833373346	-3.164178495	2.19814985	-1.439473517	0.150016408	0.998252924	
chr18:8076452-8143777	exonic	PTPRM	18	8076452	8143777	2	0	0	0	0	8	67325	2.723722756	-3.151649072	3.905933223	-0.806887597	NA	NA	
chr13:21961646-21999817	exonic	ZDHHC20	13	21961646	21999817	0	0	0	1	1	2	38171	0.843776025	-3.146557362	2.974560143	-1.057822741	0.290136263	0.998252924	
chr12:46230371-46254732	exonic	ARID2	12	46230371	46254732	0	0	0	5	2	0	24361	0.773611769	-3.142781832	3.261994729	-0.963453988	0.335319744	0.998252924	
chr18:39595439-39609405	exonic	PIK3C3	18	39595439	39609405	0	0	0	5	2	0	13966	0.773611769	-3.142781832	3.261994729	-0.963453988	0.335319744	0.998252924	
chr3:125567073-125567290	ncRNA_intronic	LOC101927056	3	125567073	125567290	0	0	0	5	2	0	217	0.773611769	-3.142781832	3.261994729	-0.963453988	0.335319744	0.998252924	
chrY:2829114-2829687	exonic	ZFY	Y	2829114	2829687	0	0	0	5	2	0	573	0.773611769	-3.142781832	3.261994729	-0.963453988	0.335319744	0.998252924	

chr10:104938554-104938793	intronic	NT5C2	10	104938554	104938793	0	0	0	2	0	2	239	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr14:92469762-92474196	exonic	TRIP11	14	92469762	92474196	0	0	0	2	0	2	4434	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr19:8619360-8619627	exonic	MYO1F	19	8619360	8619627	0	0	0	2	0	2	267	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr2:183998294-184024380	exonic	NUP35	2	183998294	184024380	0	0	0	2	0	2	26086	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr20:34307522-34307814	intronic	RBM39	20	34307522	34307814	0	0	0	2	0	2	292	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr20:49518554-49535318	exonic	ADNP	20	49518554	49535318	0	0	0	2	0	2	16764	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr3:136170874-136221621	exonic	STAG1	3	136170874	136221621	0	0	0	2	0	2	50747	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr3:197559067-197593090	exonic	LRCH3	3	197559067	197593090	0	0	0	2	0	2	34023	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr3:197562544-197592342	exonic	LRCH3	3	197562544	197592342	0	0	0	2	0	2	29798	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr5:40764615-40771965	exonic	PRKAA1	5	40764615	40771965	0	0	0	2	0	2	7350	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr6:168271065-168290006	exonic	MLLT4	6	168271065	168290006	0	0	0	2	0	2	18941	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr7:72604105-72605594	ncRNA_exonic	GTF2IP1, GTF2IP4	7	72604105	72605594	0	0	0	2	0	2	1489	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr7:98628217-98630662	exonic	SMURF1	7	98628217	98630662	0	0	0	2	0	2	2445	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr8:146105750-146108221	exonic	ZNF250	8	146105750	146108221	0	0	0	2	0	2	2471	0.829059988	-3.132135204	3.229640614	-0.969809208	0.332141602	0.998252924
chr12:110566754-110600870	exonic	IFT81	12	110566754	110600870	0	0	1	4	2	3	34116	1.789225236	-3.122738427	2.176404327	-1.434815392	0.151339711	0.998252924
chr5:6737622-6746540	exonic	PAPD7	5	6737622	6746540	0	0	1	4	2	3	8918	1.789225236	-3.122738427	2.176404327	-1.434815392	0.151339711	0.998252924
chr19:8601135-8604912	exonic	MYO1F	19	8601135	8604912	0	0	0	6	1	0	3777	0.758895733	-3.115984907	3.316238844	-0.939614139	0.347415521	0.998252924
chr5:140960310-140963182	exonic	DIAPH1	5	140960310	140963182	0	0	0	6	1	0	2872	0.758895733	-3.115984907	3.316238844	-0.939614139	0.347415521	0.998252924
chr1:52959282-52962855	exonic	ZCCHC11	1	52959282	52962855	0	0	0	0	4	1	3573	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr14:38218143-38266152	exonic	TTC6	14	38218143	38266152	0	0	0	0	4	1	48009	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr16:11940357-11940700	exonic	RSL1D1	16	11940357	11940700	0	0	0	0	4	1	343	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr16:19477403-19481147	exonic	TMC5	16	19477403	19481147	0	0	0	0	4	1	3744	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr16:53289511-53297009	exonic	CHD9	16	53289511	53297009	0	0	0	0	4	1	7498	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr2:196544755-196548630	exonic	SLC39A10	2	196544755	196548630	0	0	0	0	4	1	3875	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr20:50342357-50346517	exonic	ATP9A	20	50342357	50346517	0	0	0	0	4	1	4160	0.792328296	-3.115690797	3.285821795	-0.948222695	0.343016096	0.998252924
chr6:42630995-42633983	exonic	UBR2	6	42630995	42633983	1	0	0	5	1	3	2988	1.706227117	-3.112391595	2.234343537	-1.392978091	0.163626416	0.998252924
chr17:49059884-49063139	exonic	SPAG9	17	49059884	49063139	0	1	0	0	3	4	3255	1.7702325	-3.10172918	2.394714339	-1.295239741	0.195237539	0.998252924
chr19:34790583-34791873	exonic	KIAA0355	19	34790583	34791873	0	0	0	1	3	1	1290	0.777612259	-3.086889333	3.0299767	-1.018783191	0.308305907	0.998252924
chr6:109931567-109940439	exonic	AK9	6	109931567	109940439	0	0	0	1	3	1	8872	0.777612259	-3.086889333	3.0299767	-1.018783191	0.308305907	0.998252924
chr10:124350181-124377856	exonic	DMBT1	10	124350181	124377856	0	0	0	7	0	0	27675	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr10:21169723-21188379	exonic	NEBL	10	21169723	21188379	0	0	0	7	0	0	18656	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr12:109660311-109661709	exonic	ACACB	12	109660311	109661709	0	0	0	7	0	0	1398	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr12:82780581-82828503	exonic	METTL25	12	82780581	82828503	0	0	0	7	0	0	47922	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr17:78593427-78617610	exonic	RPTOR	17	78593427	78617610	0	0	0	7	0	0	24183	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr19:11356239-11356554	exonic	DOCK6	19	11356239	11356554	0	0	0	7	0	0	315	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA

chr19:50358226-50361371	exonic	PTOV1	19	50358226	50361371	0	0	0	7	0	0	3145	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr2:224862831-224866639	exonic	SERPINE2	2	224862831	224866639	0	0	0	7	0	0	3808	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr3:49461112-49461392	UTR3	<small>NC1 (NM_032316:c.*1154_*874delins0)</small>	3	49461112	49461392	0	0	0	7	0	0	280	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr4:103585841-103635718	exonic	MANBA	4	103585841	103635718	0	0	0	7	0	0	49877	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr4:106848492-106880283	exonic	NPNT	4	106848492	106880283	0	0	0	7	0	0	31791	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr6:129932677-129939997	exonic	ARHGAP18	6	129932677	129939997	0	0	0	7	0	0	7320	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr6:144669978-144670239	intronic	UTRN	6	144669978	144670239	0	0	0	7	0	0	261	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr6:144808683-144832259	exonic	UTRN	6	144808683	144832259	0	0	0	4	0	0	23576	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr7:42063066-42066011	exonic	GLI3	7	42063066	42066011	0	0	0	7	0	0	2945	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr8:1824736-1833873	exonic	ARHGEF10	8	1824736	1833873	0	0	0	7	0	0	9137	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chrX:64295354-64295792	intergenic	<small>ZC4H2 (dist=40730), ZC3H12B (dist=412823)</small>	X	64295354	64295792	0	0	0	7	0	0	438	0.744179696	-3.080455874	3.674073858	-0.838430579	NA	NA
chr3:65415194-65428524	exonic	MAGI1	3	65415194	65428524	2	0	0	11	3	3	13330	2.715137214	-3.074966224	1.887800859	-1.628861545	0.103342332	0.998252924
chr1:15862969-15863309	exonic	DNAJC16	1	15862969	15863309	0	0	0	2	2	1	340	0.762896223	-3.059952521	3.028975256	-1.010226979	0.312386556	0.998252924
chr7:140439611-140508795	exonic	BRAF	7	140439611	140508795	3	0	0	2	2	1	69184	0.762896223	-3.059952521	3.028975256	-1.010226979	0.312386556	0.998252924
chr1:113098489-113159517	exonic	ST7L	1	113098489	113159517	0	0	0	0	6	0	61028	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr1:153737419-153740303	exonic	INTS3	1	153737419	153740303	0	0	0	0	6	0	2884	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr12:123678932-123682881	exonic	MPHOSPH9	12	123678932	123682881	0	0	0	0	6	0	3949	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr12:18434937-18478032	exonic	PIK3C2G	12	18434937	18478032	0	0	0	0	6	0	43095	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr12:65042317-65043332	intronic	RASSF3	12	65042317	65043332	0	0	0	0	6	0	1015	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr14:106110833-106237056	ncRNA_exonic	ELK2AP	14	106110833	106237056	0	0	0	0	6	0	126223	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr14:27546444-27574979	intergenic	<small>W1843076 (dist=162495), LINC00945 (dist=506815)</small>	14	27546444	27574979	0	0	0	0	6	0	28535	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr17:19823348-19861884	exonic	AKAP10	17	19823348	19861884	0	0	0	0	6	0	38536	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr17:19823348-19866335	exonic	AKAP10	17	19823348	19866335	0	0	0	0	6	0	42987	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr17:45214517-45221348	exonic	CDC27	17	45214517	45221348	0	0	0	0	6	0	6831	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr22:22712304-22786381	intergenic	<small>BMS1P20 (dist=34980), ZNF290B (dist=52390)</small>	22	22712304	22786381	0	0	0	0	6	0	74077	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr4:144449020-144451679	exonic	SMARCA5	4	144449020	144451679	0	0	0	0	6	0	2659	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr5:58882155-58882850	exonic	PDE4D	5	58882155	58882850	0	0	0	0	6	0	695	0.726164531	-3.035892057	3.713916936	-0.817436714	NA	NA
chr12:56182858-56197512	exonic	SARNP	12	56182858	56197512	0	0	0	3	1	1	14654	0.748180186	-3.032884577	3.068168746	-0.988499926	0.322907871	0.998252924
chr12:95528514-95535315	exonic	FGD6	12	95528514	95535315	0	0	0	3	1	1	6801	0.748180186	-3.032884577	3.068168746	-0.988499926	0.322907871	0.998252924
chr5:179976930-179980471	exonic	CNOT6	5	179976930	179980471	0	0	1	2	3	3	3541	1.697629888	-3.027171487	2.218045036	-1.364792616	0.17231824	0.998252924
chr4:62800557-62813994	exonic	ADGRL3	4	62800557	62813994	0	1	0	13	0	0	13437	1.556323806	-3.016594258	2.680604877	-1.125340883	NA	NA
chr2:204240779-204267457	exonic	ABI2	2	204240779	204267457	0	0	0	1	5	0	26678	0.711448494	-3.015326251	3.401541687	-0.886458709	NA	NA
chr2:98430433-98435184	exonic	TMEM131	2	98430433	98435184	0	0	0	1	5	0	4751	0.711448494	-3.015326251	3.401541687	-0.886458709	NA	NA
chr4:113483526-113506881	exonic	ZGRF1	4	113483526	113506881	0	0	0	1	5	0	23355	0.711448494	-3.015326251	3.401541687	-0.886458709	NA	NA
chr1:39788279-39815299	exonic	MACF1	1	39788279	39815299	0	0	0	4	0	1	27020	0.733464149	-3.006928901	3.374309363	-0.89112425	0.372862516	0.998252924

chr17:48814320-48817706	exonic	LUC7L3	17	48814320	48817706	0	0	0	4	0	1	3386	0.733464149	-3.006928901	3.374309363	-0.89112425	0.372862516	0.998252924
chr2:37105033-37121176	exonic	STRN	2	37105033	37121176	0	0	0	4	0	1	16143	0.733464149	-3.006928901	3.374309363	-0.89112425	0.372862516	0.998252924
chr15:93496586-93499879	exonic	CHD2	15	93496586	93499879	0	1	0	2	5	2	3293	1.608472896	-2.999742066	2.239704238	-1.339347408	0.180457602	0.998252924
chr1:197552281-197576304	exonic	DENND1B	1	197552281	197576304	0	0	0	2	4	0	24023	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr1:197552281-197586889	exonic	DENND1B	1	197552281	197586889	0	0	0	2	4	0	34608	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr12:57789532-57791981	intergenic	<small>R3HDM2 (dist=85286), INHBC (dist=36487)</small>	12	57789532	57791981	0	0	0	2	4	0	2449	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr12:70773977-70775374	intronic	KCNMB4	12	70773977	70775374	0	0	0	2	4	0	1397	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr12:80214553-80215970	exonic	PPP1R12A	12	80214553	80215970	0	0	0	2	4	0	1417	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr14:92559595-92563182	exonic	ATXN3	14	92559595	92563182	0	0	0	2	4	0	3587	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr15:50935536-50955243	exonic	TRPM7	15	50935536	50955243	0	0	0	2	4	0	19707	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr2:242346951-242375953	exonic	FARP2	2	242346951	242375953	0	0	0	1	3	0	29002	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr2:85887981-85889232	exonic	SFTPB	2	85887981	85889232	0	0	0	2	4	0	1251	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr5:74130250-74137504	exonic	FAM169A	5	74130250	74137504	0	0	0	2	4	0	7254	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr6:129799837-129802584	exonic	LAMA2	6	129799837	129802584	0	0	0	2	4	0	2747	0.696732457	-2.987909508	3.396335491	-0.879745101	0.378997411	0.998252924
chr10:74828603-74834673	exonic	P4HA1	10	74828603	74834673	0	0	1	0	2	4	6070	1.672198304	-2.975172636	2.448150351	-1.21527366	0.224261735	0.998252924
chr3:47770514-47814426	exonic	SMARCC1	3	47770514	47814426	0	0	1	0	2	4	43912	1.672198304	-2.975172636	2.448150351	-1.21527366	0.224261735	0.998252924
chr1:161748033-161753886	exonic	ATF6	1	161748033	161753886	0	0	0	3	3	0	5853	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr10:88809158-88811627	exonic	GLUD1	10	88809158	88811627	0	0	0	3	3	0	2469	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr11:120339996-120348235	exonic	ARHGEF12	11	120339996	120348235	0	0	0	3	3	0	8239	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr12:29812813-29813818	intronic	TMTC1	12	29812813	29813818	0	0	0	3	3	0	1005	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr13:95829960-95840796	exonic	ABCC4	13	95829960	95840796	0	0	0	3	3	0	10836	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr17:29854859-29855796	exonic	RAB11FIP4	17	29854859	29855796	0	0	0	3	3	0	937	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr18:42281140-42292759	exonic	SETBP1	18	42281140	42292759	0	0	0	3	3	0	11619	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr3:49016914-49017929	exonic	ARIH2	3	49016914	49017929	0	0	0	3	3	0	1015	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr4:89340454-89341580	intronic	HERC6	4	89340454	89341580	0	0	0	3	3	0	1126	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr5:109049220-109091157	exonic	MAN2A1	5	109049220	109091157	0	0	0	3	3	0	41937	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr5:55259179-55264224	exonic	IL6ST	5	55259179	55264224	0	0	0	3	3	0	5045	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr5:74011334-74012498	exonic	HEXB	5	74011334	74012498	0	0	0	3	3	0	1164	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr6:15615497-15638035	exonic	DTNBP1	6	15615497	15638035	0	0	0	3	3	0	22538	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chrX:16685636-16709743	exonic	CTPS2	X	16685636	16709743	0	0	0	3	3	0	24107	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chrX:64295354-64333693	intergenic	<small>ZC4H2 (dist=40730), ZC3H12B (dist=374922)</small>	X	64295354	64333693	0	0	0	3	3	0	38339	0.682016421	-2.959366207	3.415504034	-0.866450801	0.386242995	0.998252924
chr5:131034609-131044965	exonic	FNIP1	5	131034609	131044965	0	1	0	3	6	1	10356	1.527593094	-2.956456204	2.275145595	-1.299458026	0.193786789	0.998252924
chr5:142264862-142311690	exonic	ARHGAP26	5	142264862	142311690	1	1	0	6	14	0	46828	2.635514958	-2.948214728	1.945646461	-1.515287996	0.129699487	0.998252924
chr1:113140592-113159517	exonic	ST7L	1	113140592	113159517	0	0	0	0	1	2	18925	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr1:185153374-185200840	exonic	SWT1	1	185153374	185200840	0	0	0	0	1	2	47466	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924

chr11:8732391-8734282	exonic	ST5	11	8732391	8734282	0	0	0	0	1	2	1891	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr12:31648743-31652605	exonic	DENND5B	12	31648743	31652605	0	0	0	0	1	2	3862	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr13:42352120-42385476	exonic	VWA8	13	42352120	42385476	0	0	0	0	1	2	33356	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr17:33951415-33954745	exonic	AP2B1	17	33951415	33954745	0	0	0	0	1	2	3330	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr17:66440633-66449133	exonic	WIPI1	17	66440633	66449133	0	0	0	0	1	2	8500	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr18:12814201-12836890	exonic	PTPN2	18	12814201	12836890	0	0	0	0	1	2	22689	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr21:27113883-27130515	exonic	GABPA	21	27113883	27130515	0	0	0	0	1	2	16632	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr3:128852916-128853797	exonic	ISY1, ISY1-RAB43	3	128852916	128853797	0	0	0	0	1	2	881	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr4:48371865-48380077	exonic	SLAIN2	4	48371865	48380077	0	0	0	0	1	2	8212	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr5:170305100-170308900	exonic	RANBP17	5	170305100	170308900	0	0	0	0	1	2	3800	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr7:156956503-156963144	exonic	UBE3C	7	156956503	156963144	0	0	0	0	1	2	6641	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr8:62531536-62563683	exonic	ASPH	8	62531536	62563683	0	0	0	0	1	2	32147	0.737464639	-2.945188727	3.401462216	-0.865859604	0.386567158	0.998252924
chr11:110134684-110135599	exonic	RDX	11	110134684	110135599	0	0	1	4	5	1	915	1.535870284	-2.942023049	2.263627542	-1.299693962	0.193705881	0.998252924
chr15:62221699-62223458	exonic	VPS13C	15	62221699	62223458	0	0	0	4	2	0	1759	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr15:93467550-93499879	exonic	CHD2	15	93467550	93499879	0	0	0	4	2	0	32329	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr18:6237962-6264037	exonic	L3MBTL4	18	6237962	6264037	0	0	0	4	2	0	26075	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr21:38792601-38794168	exonic	DYRK1A	21	38792601	38794168	0	0	0	4	2	0	1567	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr22:46088875-46098727	exonic	ATXN10	22	46088875	46098727	0	0	0	4	2	0	9852	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr4:140616350-140625350	exonic	MGST2	4	140616350	140625350	0	0	0	4	2	0	9000	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr5:41794104-41807540	exonic	OXCT1	5	41794104	41807540	0	0	0	4	2	0	13436	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr6:144093394-144095352	exonic	PHACTR2	6	144093394	144095352	0	0	0	4	2	0	1958	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr6:36862279-36870210	exonic	C6orf89	6	36862279	36870210	0	0	0	4	2	0	7931	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr7:102038066-102047945	exonic	PRKRIP1	7	102038066	102047945	0	0	0	0	2	0	9879	0.667300384	-2.929833781	3.449796177	-0.849277357	0.395726977	0.998252924
chr7:156758963-156759786	exonic	NOM1	7	156758963	156759786	2	0	0	2	2	6	823	2.561963152	-2.915196811	2.000670868	-1.457109641	NA	NA
chr14:55457930-55468903	exonic	WDHD1	14	55457930	55468903	0	0	0	1	0	2	10973	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr16:68308593-68309152	exonic	SLC7A6	16	68308593	68309152	0	0	0	1	0	2	559	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr19:48185232-48198731	exonic	GLTSCR1	19	48185232	48198731	0	0	0	1	0	2	13499	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr3:9429770-9432181	ncRNA_exonic	THUMPD3-AS1	3	9429770	9432181	0	0	0	1	0	2	2411	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr4:140258001-140262223	exonic	NAA15	4	140258001	140262223	0	0	0	1	0	2	4222	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr4:47886362-47892720	exonic	NFXL1	4	47886362	47892720	0	0	0	1	0	2	6358	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr7:106921744-106924177	exonic	COG5	7	106921744	106924177	0	0	0	1	0	2	2433	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr7:97766626-97784188	exonic	LMTK2	7	97766626	97784188	0	0	0	1	0	2	17562	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr8:141582910-141595410	exonic	AGO2	8	141582910	141595410	0	0	0	1	0	2	12500	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr8:98673299-98703416	exonic	MTDH	8	98673299	98703416	0	0	0	1	0	2	30117	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924
chr9:86395296-86421475	exonic	GKAP1	9	86395296	86421475	0	0	0	1	0	2	26179	0.722748603	-2.915105651	3.425245078	-0.851064839	0.394733336	0.998252924

chr10:104809463-104816721	exonic	CNNM2	10	104809463	104816721	0	0	0	5	1	0	7258	0.652584348	-2.898981244	3.508505686	-0.826272352	0.408649614	0.998252924
chr11:32610139-32611187	exonic	EIF3M	11	32610139	32611187	0	0	0	5	1	0	1048	0.652584348	-2.898981244	3.508505686	-0.826272352	0.408649614	0.998252924
chr16:19627435-19639127	exonic	C16orf62	16	19627435	19639127	0	0	0	5	1	0	11692	0.652584348	-2.898981244	3.508505686	-0.826272352	0.408649614	0.998252924
chr4:129857809-129920949	exonic	SCLT1	4	129857809	129920949	6	4	0	3	1	0	63140	0.652584348	-2.898981244	3.508505686	-0.826272352	0.408649614	0.998252924
chr6:42992722-42993879	exonic	RRP36	6	42992722	42993879	0	0	0	5	1	0	1157	0.652584348	-2.898981244	3.508505686	-0.826272352	0.408649614	0.998252924
chr9:82319697-82324614	exonic	TLE4	9	82319697	82324614	0	0	0	5	1	0	4917	0.652584348	-2.898981244	3.508505686	-0.826272352	0.408649614	0.998252924
chr4:106848492-106863859	exonic	NPNT	4	106848492	106863859	1	0	0	7	2	1	15367	1.423440091	-2.895666539	2.332816849	-1.241274702	0.214504287	0.998252924
chr2:136360069-136362586	exonic	R3HDM1	2	136360069	136362586	0	1	0	2	2	3	2517	1.553609239	-2.894570734	2.287082692	-1.265616999	0.205650237	0.998252924
chr4:103610731-103612114	exonic	MANBA	4	103610731	103612114	2	0	0	2	4	5	1383	2.495799387	-2.887044312	1.974393768	-1.462243428	0.143674515	0.998252924
chr1:193038163-193046180	exonic	TROVE2	1	193038163	193046180	0	1	0	3	1	3	8017	1.538893203	-2.880275718	2.311141757	-1.246256621	0.212670198	0.998252924
chr1:25666964-25678184	exonic	TMEM50A	1	25666964	25678184	0	0	0	0	3	1	11220	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr10:116590610-116608496	exonic	FAM160B1	10	116590610	116608496	0	0	0	0	3	1	17886	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr12:31595708-31648853	exonic	DENND5B	12	31595708	31648853	0	0	0	0	3	1	53145	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr12:31600471-31652605	exonic	DENND5B	12	31600471	31652605	0	0	0	0	3	1	52134	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr14:92126180-92185822	exonic	CATSPERB	14	92126180	92185822	0	0	0	0	3	1	59642	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr15:43668295-43669265	exonic	TUBGCP4	15	43668295	43669265	0	0	0	0	3	1	970	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr18:19116002-19148055	exonic	ESCO1	18	19116002	19148055	0	0	0	0	3	1	32053	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr19:38198814-38202593	exonic	ZNF607	19	38198814	38202593	0	0	0	0	3	1	3779	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr8:100108539-100115348	exonic	VPS13B	8	100108539	100115348	0	0	0	0	3	1	6809	0.671300874	-2.866001828	3.495244718	-0.819971721	0.412232228	0.998252924
chr1:77509889-77534528	exonic	ST6GALNAC5	1	77509889	77534528	0	0	0	6	0	0	24639	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr10:17401512-17432619	exonic	ST8SIA6	10	17401512	17432619	0	0	0	6	0	0	31107	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr10:30397716-30399760	intergenic	<small>K1A1A142 (dist=49226), LOC101929279 (dist=101021)</small>	10	30397716	30399760	0	0	0	6	0	0	2044	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr11:31474265-31484852	exonic	IMMP1L	11	31474265	31484852	0	0	0	6	0	0	10587	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr15:41767722-41769713	exonic	RTF1	15	41767722	41769713	0	0	0	6	0	0	1991	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr16:1675973-1687908	exonic	CRAMP1	16	1675973	1687908	0	0	0	6	0	0	11935	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr16:53922744-53968021	exonic	FTO	16	53922744	53968021	0	0	0	6	0	0	45277	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr18:74561482-74567157	exonic	ZNF236	18	74561482	74567157	0	0	0	6	0	0	5675	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr2:109945680-109964405	exonic	SH3RF3	2	109945680	109964405	0	0	0	6	0	0	18725	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr2:170505691-170531550	exonic	CCDC173	2	170505691	170531550	0	2	0	6	0	0	25859	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr2:46228542-46237656	exonic	PRKCE	2	46228542	46237656	0	0	0	6	0	0	9114	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr20:47768118-47790806	exonic	STAU1	20	47768118	47790806	0	0	0	6	0	0	22688	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr4:160159961-160162520	intergenic	<small>MIR3688-1 (dist=109915), RAPGEF2 (dist=26478)</small>	4	160159961	160162520	0	0	0	6	0	0	2559	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr4:71808540-71835741	exonic	MOB1B	4	71808540	71835741	0	0	0	6	0	0	27201	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr7:150167917-150168361	exonic	GIMAP8	7	150167917	150168361	0	0	0	6	0	0	444	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr7:92146589-92148392	exonic	PEX1	7	92146589	92148392	0	0	0	6	0	0	1803	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA

chr8:37692691-37695457	exonic	ADGRA2	8	37692691	37695457	0	0	0	6	0	0	2766	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr8:38587295-38596503	intronic	TACC1	8	38587295	38596503	0	0	0	6	0	0	9208	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr8:80830213-80831383	exonic	MRPS28	8	80830213	80831383	0	0	0	6	0	0	1170	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr9:127566372-127566621	exonic	OLFML2A	9	127566372	127566621	0	0	0	6	0	0	249	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr9:36160269-36160785	intronic	GLIPR2	9	36160269	36160785	0	0	0	6	0	0	516	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chrX:154774757-154777885	exonic	TMLHE	X	154774757	154777885	0	0	0	6	0	0	3128	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chrX:67266836-67293141	exonic	OPHN1	X	67266836	67293141	0	0	0	6	0	0	26305	0.637868311	-2.858979784	3.898127303	-0.733423914	NA	NA
chr11:67953247-67957619	exonic	KMT5B	11	67953247	67957619	1	0	0	3	3	2	4372	1.427440581	-2.848631649	2.308958757	-1.233729983	0.217303537	0.998252924
chr18:47455881-47463767	exonic	MYO5B	18	47455881	47463767	0	1	0	0	1	4	7886	1.528177656	-2.839480457	2.544415256	-1.11596582	NA	NA
chr5:142416760-142526946	exonic	ARHGAP26	5	142416760	142526946	2	0	0	0	16	0	110186	2.194412634	-2.83784979	3.910631937	-0.725675501	NA	NA
chr1:171504566-171530242	exonic	PRRC2C	1	171504566	171530242	0	0	0	1	2	1	25676	0.656584838	-2.830024499	3.22747839	-0.876853121	0.380566422	0.998252924
chr2:215617170-215646233	exonic	BARD1	2	215617170	215646233	0	0	0	1	2	1	29063	0.656584838	-2.830024499	3.22747839	-0.876853121	0.380566422	0.998252924
chr2:61722589-61727029	exonic	XPO1	2	61722589	61727029	0	0	0	1	2	1	4440	0.656584838	-2.830024499	3.22747839	-0.876853121	0.380566422	0.998252924
chr7:6085701-6089676	exonic	EIF2AK1	7	6085701	6089676	0	0	0	1	2	1	3975	0.656584838	-2.830024499	3.22747839	-0.876853121	0.380566422	0.998252924
chr2:38536520-38546161	exonic	ATL2	2	38536520	38546161	1	0	0	3	5	1	9641	1.361276816	-2.817562448	2.350965874	-1.19847016	0.230734033	0.998252924
chr2:231305190-231314970	exonic	SPI00	2	231305190	231314970	1	0	0	5	1	2	9780	1.398008508	-2.817471621	2.360572788	-1.193554224	0.232652389	0.998252924
chr12:124882664-124907101	exonic	NCOR2	12	124882664	124907101	0	1	0	6	0	2	24437	1.428581328	-2.804778239	2.520811176	-1.112649081	NA	NA
chr10:61592282-61612460	exonic	CCDC6	10	61592282	61612460	0	0	0	2	1	1	20178	0.641868801	-2.797992782	3.25235218	-0.860298217	0.389624675	0.998252924
chr11:94178975-94180604	exonic	MRE11A	11	94178975	94180604	0	0	0	2	1	1	1629	0.641868801	-2.797992782	3.25235218	-0.860298217	0.389624675	0.998252924
chr15:52188615-52194233	exonic	TMOD3	15	52188615	52194233	0	0	0	2	1	1	5618	0.641868801	-2.797992782	3.25235218	-0.860298217	0.389624675	0.998252924
chr3:12353878-12447580	exonic	PPARG	3	12353878	12447580	0	0	0	2	1	1	93702	0.641868801	-2.797992782	3.25235218	-0.860298217	0.389624675	0.998252924
chr9:33060462-33068932	exonic	SMU1	9	33060462	33068932	0	0	0	2	1	1	8470	0.641868801	-2.797992782	3.25235218	-0.860298217	0.389624675	0.998252924
chr3:128984391-128985942	exonic	COPG1	3	128984391	128985942	0	1	0	2	8	0	1551	1.355117944	-2.792599058	2.542679064	-1.098290027	0.272077865	0.998252924
chr1:235944164-235945387	exonic	LYST	1	235944164	235945387	0	0	0	0	5	0	1223	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr10:94243011-94268647	exonic	IDE	10	94243011	94268647	0	0	0	0	5	0	25636	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr11:18022044-18031686	exonic	SERGEF	11	18022044	18031686	0	0	0	0	5	0	9642	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr12:116817021-116837438	intergenic	MED13L (dist=102030), MIR4472-2 (dist=28619)	12	116817021	116837438	0	0	0	0	5	0	20417	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr13:49712882-49720071	exonic	FNDCA3A	13	49712882	49720071	0	0	0	0	5	0	7189	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr14:107099543-107218980	intergenic	MIR7641-2 (dist=6778), MIR5195 (dist=40120)	14	107099543	107218980	0	0	0	0	5	0	119437	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr14:92159469-92195823	exonic	CATSPERB	14	92159469	92195823	0	0	0	0	5	0	36354	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr15:50763829-50769190	exonic	USP8	15	50763829	50769190	0	0	0	0	5	0	5361	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr15:50763829-50769696	exonic	USP8	15	50763829	50769696	0	0	0	0	5	0	5867	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr15:63824845-63866602	exonic	USP3	15	63824845	63866602	0	0	0	4	6	0	41757	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr17:37412547-37413319	UTR3	MIR1207 (dist=1140), MIR1207-1 (dist=1140), MIR1207-2 (dist=1140)	17	37412547	37413319	0	0	0	0	5	0	772	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr17:41356233-41356547	intronic	NBR1	17	41356233	41356547	0	0	0	0	5	0	314	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA

chr19:52887102-52888995	exonic	ZNF880	19	52887102	52888995	0	0	0	0	5	0	1893	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr2:204244930-204267457	exonic	ABI2	2	204244930	204267457	0	0	0	0	5	0	22527	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr2:206986484-206987081	downstream	NDUFS1 (dist=722)	2	206986484	206987081	0	0	0	0	5	0	597	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr22:26057542-26070495	exonic	ADRBK2	22	26057542	26070495	0	0	0	0	5	0	12953	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr4:173852651-173883060	exonic	GALNTL6	4	173852651	173883060	0	0	0	0	5	0	30409	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr4:17816476-17816981	exonic	NCAPG	4	17816476	17816981	0	0	0	0	5	0	505	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr5:142434003-142500712	exonic	ARHGAP26	5	142434003	142500712	0	0	0	0	5	0	66709	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr5:70238184-70238697	exonic	SMN1, SMN2	5	70238184	70238697	0	0	0	0	5	0	513	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr6:32610729-32714191	exonic	HLA-DQA2, HLA-DQB1	6	32610729	32714191	0	0	0	0	5	0	103462	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr7:100189289-100190640	exonic	FBXO24	7	100189289	100190640	0	0	0	0	5	0	1351	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr7:105099614-105135700	exonic	PUS7	7	105099614	105135700	0	0	0	0	5	0	36086	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr9:100780571-100788733	intergenic	ANP32B (dist=2347), NANS (dist=30226)	9	100780571	100788733	0	0	0	0	5	0	8162	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chrMT:9043-9189	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	9043	9189	0	0	0	0	5	0	146	0.605137109	-2.773769048	3.981174939	-0.696721217	NA	NA
chr10:128776211-128860040	exonic	DOCK1	10	128776211	128860040	0	0	0	3	0	1	83829	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr13:99127074-99127612	exonic	STK24	13	99127074	99127612	0	0	0	3	0	1	538	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr14:96807858-96813678	exonic	ATG2B	14	96807858	96813678	0	0	0	3	0	1	5820	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr4:120180974-120190992	exonic	USP53	4	120180974	120190992	0	0	0	3	0	1	10018	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr4:129042980-129083472	exonic	LARP1B	4	129042980	129083472	0	0	0	3	0	1	40492	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr6:84870530-84872989	exonic	CEP162	6	84870530	84872989	0	0	0	3	0	1	2459	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr9:97686267-97690813	exonic	C9orf3	9	97686267	97690813	0	0	0	3	0	1	4546	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chrY:15024874-15026561	exonic	DDX3Y	Y	15024874	15026561	0	0	0	3	0	1	1687	0.627152764	-2.769418841	3.581373499	-0.773284004	0.43935432	0.998252924
chr2:69565029-69565697	exonic	GFPT1	2	69565029	69565697	1	0	0	6	2	1	668	1.317128706	-2.767935164	2.384701007	-1.160705328	0.245761755	0.998252924
chr8:42914234-42919358	exonic	FNTA	8	42914234	42919358	3	0	0	4	6	6	5124	3.387682552	-2.75953104	1.713072243	-1.610866706	NA	NA
chr7:32672154-32678977	ncRNA_exonic	DPY19L1P1	7	32672154	32678977	0	0	1	0	5	2	6823	1.418843352	-2.756144776	2.534168126	-1.087593498	NA	NA
chr15:44060686-44062778	exonic	PDIA3	15	44060686	44062778	0	0	0	1	4	0	2092	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr15:72810407-72864506	exonic	ARIH1	15	72810407	72864506	0	0	0	1	3	0	54099	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr17:30267304-30300250	exonic	SUZ12	17	30267304	30300250	0	0	0	1	4	0	32946	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr2:201718625-201719809	exonic	CLK1	2	201718625	201719809	0	0	0	1	4	0	1184	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr22:26068262-26091181	exonic	ADRBK2	22	26068262	26091181	0	0	0	1	4	0	22919	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr3:172080422-172098883	exonic	FNDC3B	3	172080422	172098883	0	0	0	1	4	0	18461	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr3:196118683-196134264	exonic	UBXN7	3	196118683	196134264	0	0	0	1	4	0	15581	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr6:149893420-149901859	exonic	GINM1	6	149893420	149901859	0	0	0	1	4	0	8439	0.590421072	-2.747741884	3.649065269	-0.752998831	0.451450616	0.998252924
chr14:76633005-76644385	exonic	GPATCH2L	14	76633005	76644385	0	1	0	6	4	0	11380	1.296253797	-2.726468389	2.545128196	-1.071249925	0.284057069	0.998252924
chr1:109883345-109888503	exonic	SORT1	1	109883345	109888503	0	0	0	2	0	0	5158	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr1:1647590-1647917	exonic	CDK11A, CDK11B	1	1647590	1647917	0	0	0	2	3	0	327	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924

chr1:40270550-40273870	intergenic	BMP8B(dist=16017), TRIT1(dist=32836)	1	40270550	40273870	0	0	0	2	3	0	3320	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr11:72598514-72613683	exonic	FCHSD2	11	72598514	72613683	0	0	0	2	3	0	15169	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr13:28748408-28771483	exonic	PAN3	13	28748408	28771483	0	0	0	2	3	0	23075	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr15:25650608-25667108	exonic	UBE3A	15	25650608	25667108	0	0	0	2	3	0	16500	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr15:68467974-68468992	exonic	PIAS1	15	68467974	68468992	0	0	0	2	3	0	1018	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr17:61841375-61843554	exonic	CCDC47	17	61841375	61843554	0	0	0	2	3	0	2179	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr17:79254408-79258695	exonic	SLC38A10	17	79254408	79258695	0	0	0	2	3	0	4287	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr17:80828099-80861354	exonic	TBCD	17	80828099	80861354	0	0	0	2	3	0	33255	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr19:30476129-30503438	exonic	URI1	19	30476129	30503438	0	0	0	2	3	0	27309	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr19:34941169-34957919	exonic	UBA2	19	34941169	34957919	0	0	0	2	3	0	16750	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr19:52364156-52384130	exonic	ZNF577	19	52364156	52384130	0	2	0	2	3	0	19974	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr2:100055062-100081447	exonic	REV1	2	100055062	100081447	0	0	0	2	3	0	26385	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr2:128944256-128945188	exonic	UGGT1	2	128944256	128945188	0	0	0	2	3	0	932	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr2:68717321-68794519	exonic	APLF	2	68717321	68794519	0	0	0	2	3	0	77198	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr3:126174766-126177189	intronic	ZXDC	3	126174766	126177189	0	0	0	2	3	0	2423	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr3:152882555-152965320	UTR3	RAP2B(NM_002886:c. #1521_#7379delins0)	3	152882555	152965320	0	0	0	2	3	0	82765	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr4:36212011-36216102	exonic	ARAP2	4	36212011	36216102	0	0	0	2	3	0	4091	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr4:39739039-39776553	exonic	UBE2K	4	39739039	39776553	3	0	0	2	3	0	37514	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr6:74149931-74150168	exonic	MB21D1	6	74149931	74150168	0	0	0	2	3	0	237	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr7:66262360-66270383	exonic	RABGEF1	7	66262360	66270383	0	0	0	2	3	0	8023	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr8:142195237-142200516	exonic	DENND3	8	142195237	142200516	0	0	0	2	3	0	5279	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr8:42857249-42868543	exonic	HOOK3	8	42857249	42868543	0	0	0	2	3	0	11294	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr9:86279944-86292876	exonic	UBQLN1	9	86279944	86292876	0	0	0	2	3	0	12932	0.575705036	-2.714371859	3.657685474	-0.742100948	0.458026175	0.998252924
chr8:30332294-30361953	exonic	RBPMS	8	30332294	30361953	0	2	0	10	9	0	29659	2.500912246	-2.708467174	2.047384031	-1.322891619	0.185871423	0.998252924
chr2:203976701-203991649	exonic	NBEAL1	2	203976701	203991649	1	0	0	0	0	4	14948	1.361861378	-2.706975699	2.837591019	-0.953969646	NA	NA
chr6:149691044-149700654	exonic	TAB2	6	149691044	149700654	0	1	0	0	0	4	9610	1.407150234	-2.704555924	2.809250673	-0.962732144	NA	NA
chr2:203974872-203991649	exonic	NBEAL1	2	203974872	203991649	0	0	1	0	0	4	16777	1.430143461	-2.703394289	2.796033874	-0.966867503	NA	NA
chr10:89527429-89536184	exonic	ATAD1	10	89527429	89536184	0	1	0	2	5	1	8755	1.300254287	-2.681983935	2.398782503	-1.118060488	0.26354116	0.998252924
chr14:102661274-102664184	exonic	WDR20	14	102661274	102664184	0	1	0	2	5	1	2910	1.300254287	-2.681983935	2.398782503	-1.118060488	0.26354116	0.998252924
chr15:50923613-50955243	exonic	TRPM7	15	50923613	50955243	1	0	0	2	5	1	31630	1.254965431	-2.681779752	2.423515759	-1.10656584	0.268481683	0.998252924
chr7:77236551-77265166	exonic	PTPN12	7	77236551	77265166	2	0	0	1	3	1	28615	1.254965431	-2.681779752	2.423515759	-1.10656584	0.268481683	0.998252924
chr1:171162473-171165950	exonic	FMO2	1	171162473	171165950	0	0	0	3	2	0	3477	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr1:26594973-26596105	exonic	CEP85	1	26594973	26596105	0	0	0	3	2	0	1132	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr1:35862152-35865177	exonic	ZMYM4	1	35862152	35865177	0	0	0	3	2	0	3025	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr1:62907158-62908990	exonic	USP1	1	62907158	62908990	0	0	0	3	2	0	1832	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924

chr11:119103157-119103405	exonic	CBL	11	119103157	119103405	0	0	0	3	2	0	248	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr12:9231839-9244025	exonic	A2M	12	9231839	9244025	0	0	0	3	2	0	12186	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr12:94603365-94613939	exonic	PLXNC1	12	94603365	94613939	0	0	0	3	2	0	10574	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr14:67768105-67770316	exonic	MPP5	14	67768105	67770316	0	0	0	3	2	0	2211	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr16:16108347-16110478	exonic	ABCC1	16	16108347	16110478	0	0	0	3	2	0	2131	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr16:19488761-19492787	exonic	TMC5	16	19488761	19492787	0	0	0	3	2	0	4026	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr17:29311634-29315124	exonic	RNF135	17	29311634	29315124	0	0	0	3	2	0	3490	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr17:41456120-41456630	ncRNA_exonic	LINC00910	17	41456120	41456630	0	0	0	3	2	0	510	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr19:38220805-38221238	intergenic	ZNF607 (dist=10114), ZNF573 (dist=7965)	19	38220805	38221238	0	0	0	3	2	0	433	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr19:58436990-58439415	exonic	ZNF418	19	58436990	58439415	0	0	0	3	2	0	2425	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr2:122215262-122227536	exonic	CLASP1	2	122215262	122227536	0	0	0	3	2	0	12274	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr2:210880697-210885788	exonic	RPE	2	210880697	210885788	0	0	0	3	2	0	5091	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr2:228384663-228389631	exonic	AGFG1	2	228384663	228389631	0	0	0	3	2	0	4968	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr2:63660879-63798760	exonic	WDPCP	2	63660879	63798760	0	0	0	3	2	0	137881	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr20:35421651-35467844	exonic	SOGA1	20	35421651	35467844	0	0	0	3	2	0	46193	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr4:153332455-153403825	exonic	FBXW7	4	153332455	153403825	0	0	0	3	2	0	71370	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr4:160159961-160164943	intergenic	MIR3888-1 (dist=109915), RAPGEF2 (dist=24055)	4	160159961	160164943	0	0	0	3	2	0	4982	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr5:138994171-138994551	exonic	UBE2D2	5	138994171	138994551	0	0	0	3	2	0	380	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr5:70888752-70900295	exonic	MCCC2	5	70888752	70900295	0	0	0	3	2	0	11543	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr6:25255416-25260804	ncRNA_exonic	LOC101928663	6	25255416	25260804	0	0	0	3	2	0	5388	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr6:26385242-26388522	exonic	BTN2A2	6	26385242	26388522	0	0	0	3	2	0	3280	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr6:42941740-42942776	exonic	PEX6	6	42941740	42942776	0	0	0	3	2	0	1036	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr6:82922423-82924546	exonic	IBTK	6	82922423	82924546	0	0	0	3	2	0	2123	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr7:123334768-123349277	exonic	WASL	7	123334768	123349277	0	0	0	3	2	0	14509	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr7:5680784-5681007	exonic	RNF216	7	5680784	5681007	0	0	0	3	2	0	223	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr9:34241182-34242106	exonic	UBAP1	9	34241182	34242106	0	0	0	3	2	0	924	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chrY:14832521-14870572	exonic	USP9Y	Y	14832521	14870572	0	0	0	3	2	0	38051	0.560988999	-2.679556815	3.693500882	-0.725478862	0.468158308	0.998252924
chr1:101376618-101387397	exonic	SLC30A7	1	101376618	101387397	0	0	0	0	0	2	10779	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:10405902-10408791	exonic	KIF1B	1	10405902	10408791	0	0	0	0	0	2	2889	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:113134146-113159466	exonic	ST7L	1	113134146	113159466	0	0	0	0	0	2	25320	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:114160850-114161241	intronic	MAGI3	1	114160850	114161241	0	0	0	0	0	2	391	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:150923840-150935195	exonic	SETDB1	1	150923840	150935195	0	0	0	0	0	2	11355	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:161164457-161164741	intronic	ADAMTS4	1	161164457	161164741	0	0	0	0	0	2	284	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:172547437-172554226	exonic	SUCO	1	172547437	172554226	0	0	0	0	0	2	6789	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:174874924-174882157	intronic	RABGAP1L	1	174874924	174882157	0	0	0	0	0	2	7233	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr1:178846632-178852668	exonic	RALGPS2	1	178846632	178852668	0	0	0	0	0	2	6036	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:179092576-179092859	intronic	ABL2	1	179092576	179092859	0	0	0	0	0	2	283	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:184680856-184681732	exonic	EDEM3	1	184680856	184681732	0	0	0	0	0	2	876	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:184681566-184702124	exonic	EDEM3	1	184681566	184702124	0	0	0	0	0	2	20558	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:192558156-192596551	intergenic	RGS1 (dist=8997), RGS13 (dist=8717)	1	192558156	192596551	0	0	0	0	0	2	38395	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:197093240-197094321	exonic	ASPM	1	197093240	197094321	0	0	0	0	0	2	1081	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:212506838-212522584	exonic	PPP2R5A	1	212506838	212522584	0	0	0	0	0	2	15746	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:214795421-214805945	exonic	CENPF	1	214795421	214805945	0	0	0	0	0	2	10524	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:21599191-21605825	exonic	ECE1	1	21599191	21605825	0	0	0	0	0	2	6634	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:223132950-223150466	intronic	DISP1	1	223132950	223150466	0	0	0	0	0	2	17516	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:224553581-224564879	exonic	CNIH4	1	224553581	224564879	0	0	0	0	0	2	11298	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:225190484-225211567	exonic	DNAH14	1	225190484	225211567	0	0	0	0	0	2	21083	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:235377083-235397807	exonic	ARID4B	1	235377083	235397807	0	0	0	0	0	2	20724	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:235431142-235431953	intronic	ARID4B	1	235431142	235431953	0	0	0	0	0	2	811	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:235775424-235775806	ncRNA_intronic	MIR5096	1	235775424	235775806	0	0	0	0	0	2	382	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:235937141-235940608	exonic	LYST	1	235937141	235940608	0	0	0	0	0	2	3467	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:243327585-243349724	exonic	CEP170	1	243327585	243349724	0	0	0	0	0	2	22139	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:243776972-243828185	exonic	AKT3	1	243776972	243828185	0	0	0	0	0	2	51213	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:245765878-245775278	exonic	KIF26B	1	245765878	245775278	0	0	0	0	0	2	9400	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:25773252-25783322	exonic	TMEM57	1	25773252	25783322	0	0	0	0	0	2	10070	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:28601335-28605752	exonic	SESN2	1	28601335	28605752	0	0	0	0	0	2	4417	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:28697374-28697900	intronic	PHACTR4	1	28697374	28697900	0	0	0	0	0	2	526	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:31413997-31414970	exonic	PUM1	1	31413997	31414970	0	0	0	0	0	2	973	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:32385967-32386248	intronic	PTP4A2	1	32385967	32386248	0	0	0	0	0	2	281	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:33286826-33287137	intronic	S100BPB	1	33286826	33287137	0	0	0	0	0	2	311	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:44707587-44713710	exonic	ERI3	1	44707587	44713710	0	0	0	0	0	2	6123	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:51157145-51157694	intronic	FAF1	1	51157145	51157694	0	0	0	0	0	2	549	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:59361517-59362762	ncRNA_exonic	LINC01135	1	59361517	59362762	0	0	0	0	0	2	1245	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:62525197-62526948	intronic	INADL	1	62525197	62526948	0	0	0	0	0	2	1751	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:62599162-62600112	intronic	INADL	1	62599162	62600112	0	0	0	0	0	2	950	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:64060540-64087790	intronic	PGM1	1	64060540	64087790	0	0	0	0	0	2	27250	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:78105133-78107340	exonic	ZZZ3	1	78105133	78107340	0	0	0	0	0	2	2207	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:8803262-8803552	intronic	RERE	1	8803262	8803552	0	0	0	0	0	2	290	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:91382197-91406866	exonic	ZNF644	1	91382197	91406866	0	0	0	0	0	2	24669	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr1:92446445-92459811	exonic	BRDT	1	92446445	92459811	0	0	0	0	0	2	13366	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr1:94953097-94956803	exonic	ABCD3	1	94953097	94956803	0	0	0	0	0	2	3706	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:101571292-101590608	exonic	ABCC2	10	101571292	101590608	0	0	0	0	0	2	19316	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:103734968-103773781	exonic	C10orf76	10	103734968	103773781	0	0	0	0	0	2	38813	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:105133114-105139776	exonic	TAF5	10	105133114	105139776	0	0	0	0	0	2	6662	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:112047753-112048551	downstream	MXI1 (dist=630)	10	112047753	112048551	0	0	0	0	0	2	798	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:5144842-5146720	exonic	AKRIC3	10	5144842	5146720	0	0	0	0	0	2	1878	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:76735156-76748870	exonic	KAT6B	10	76735156	76748870	0	0	0	0	0	2	13714	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:77406083-77406348	intronic	C10orf11	10	77406083	77406348	0	0	0	0	0	2	265	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:91498714-91522592	exonic	KIF20B	10	91498714	91522592	0	0	0	0	0	2	23878	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:93711159-93726514	exonic	BTAF1	10	93711159	93726514	0	0	0	0	0	2	15355	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:96540256-96702098	exonic	CYP2C19, CYP2C9	10	96540256	96702098	0	0	0	0	0	2	161842	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr10:99915849-99923154	exonic	R3HCC1L	10	99915849	99923154	0	0	0	0	0	2	7305	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:102222254-102223236	intronic	BIRC2	11	102222254	102223236	0	0	0	0	0	2	982	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:108544193-108550287	exonic	DDX10	11	108544193	108550287	0	0	0	0	0	2	6094	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:116894689-116895355	intronic	SIK3	11	116894689	116895355	0	0	0	0	0	2	666	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:38891627-38906764	intergenic	<small>LINC01893 (dist=214828), LBRIC (dist=1228867)</small>	11	38891627	38906764	0	0	0	0	0	2	15137	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:59313346-59316679	intergenic	<small>OR4D9 (dist=30016), OSBP (dist=25192)</small>	11	59313346	59316679	0	0	0	0	0	2	3333	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:65202524-65211534	ncRNA_exonic	NEAT1	11	65202524	65211534	0	0	0	0	0	2	9010	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:85685750-85726006	exonic	PICALM	11	85685750	85726006	0	0	0	0	0	2	40256	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr11:85707868-85712201	exonic	PICALM	11	85707868	85712201	0	0	0	0	0	2	4333	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:100491142-100497729	exonic	UHRF1BP1L	12	100491142	100497729	0	0	0	0	0	2	6587	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:100985513-101012365	exonic	GAS2L3	12	100985513	101012365	0	0	0	0	0	2	26852	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:118619175-118639268	exonic	TAOK3	12	118619175	118639268	0	0	0	0	0	2	20093	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:120992520-121001746	exonic	RNF10	12	120992520	121001746	0	0	0	0	0	2	9226	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:122801295-122826244	exonic	CLIP1	12	122801295	122826244	0	0	0	0	0	2	24949	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:123796133-123797065	intronic	SBNO1	12	123796133	123797065	0	0	0	0	0	2	932	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:124922475-124941708	exonic	NCOR2	12	124922475	124941708	0	0	0	0	0	2	19233	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:2558141-2721179	exonic	CACNA1C	12	2558141	2721179	0	0	0	0	0	2	163038	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:27521194-27533337	exonic	ARNTL2	12	27521194	27533337	0	0	0	0	0	2	12143	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:32884289-32890095	exonic	DNM1L	12	32884289	32890095	0	0	0	0	0	2	5806	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:34540522-34542105	intergenic	<small>ALG10 (dist=359286), NONE (dist=NONE)</small>	12	34540522	34542105	0	0	0	0	0	2	1583	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:57490851-57492853	exonic	STAT6	12	57490851	57492853	0	0	0	0	0	2	2002	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:72050665-72054207	exonic	ZFC3H1	12	72050665	72054207	0	0	0	0	0	2	3542	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:72052410-72054207	intronic	ZFC3H1	12	72052410	72054207	0	0	0	0	0	2	1797	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:74718341-74718801	intergenic	<small>LINC00507377 (dist=91930), ATXN1L3B (dist=212750)</small>	12	74718341	74718801	0	0	0	0	0	2	460	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr12:8846737-8847085	intergenic	NONE(dist=NONE), RIMKLB(dist=3411)	12	8846737	8847085	0	0	0	0	0	2	348	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:94124772-94125636	ncRNA_intronic	LOC101928731	12	94124772	94125636	0	0	0	0	0	2	864	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr12:95491329-95492755	intronic	FGD6	12	95491329	95492755	0	0	0	0	0	2	1426	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:21006240-21063635	exonic	CRYL1	13	21006240	21063635	0	0	0	0	0	2	57395	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:21955572-21999817	exonic	ZDHHC20	13	21955572	21999817	0	0	0	0	0	2	44245	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:41157641-41157787	intronic	FOXO1	13	41157641	41157787	0	0	0	0	0	2	146	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:41210314-41210746	intronic	FOXO1	13	41210314	41210746	0	0	0	0	0	2	432	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:42352120-42393522	exonic	VWA8	13	42352120	42393522	0	0	0	0	0	2	41402	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:43608072-43608546	intronic	DNAJC15	13	43608072	43608546	0	0	0	0	0	2	474	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr13:49710539-49710737	exonic	FNDC3A	13	49710539	49710737	0	0	0	0	0	2	198	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:103928281-103930730	exonic	MARK3	14	103928281	103930730	0	0	0	0	0	2	2449	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:31596990-31638674	exonic	HECTD1	14	31596990	31638674	0	0	0	0	0	2	41684	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:39649979-39650125	exonic	PNN	14	39649979	39650125	0	0	0	0	0	2	146	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:50116982-50122561	exonic	POLE2	14	50116982	50122561	0	0	0	0	0	2	5579	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:53118957-53133213	exonic	ERO1A	14	53118957	53133213	0	0	0	0	0	2	14256	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:74522286-74523961	exonic	BBOF1	14	74522286	74523961	0	0	0	0	0	2	1675	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr14:76633005-76643033	exonic	GPATCH2L	14	76633005	76643033	0	0	0	0	0	2	10028	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:20659092-20662753	ncRNA_exonic	HERC2P3	15	20659092	20662753	0	0	0	0	0	2	3661	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:43426454-43427847	exonic	TMEM62	15	43426454	43427847	0	0	0	0	0	2	1393	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:50288873-50331026	exonic	ATP8B4	15	50288873	50331026	0	0	0	0	0	2	42153	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:50973430-50975159	intronic	TRPM7	15	50973430	50975159	0	0	0	0	0	2	1729	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:53957768-54015105	exonic	WDR72	15	53957768	54015105	0	0	0	0	0	2	57337	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:68612522-68620600	exonic	ITGA11	15	68612522	68620600	0	0	0	0	0	2	8078	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:76957994-76975402	exonic	SCAPER	15	76957994	76975402	0	0	0	0	0	2	17408	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:85085375-85098301	ncRNA_exonic	UBE2Q2P1	15	85085375	85098301	0	0	0	0	0	2	12926	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:86311247-86313051	exonic	KLHL25	15	86311247	86313051	0	0	0	0	0	2	1804	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr15:90982563-91010824	exonic	IQGAP1	15	90982563	91010824	0	0	0	0	0	2	28261	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr16:14700340-14711507	exonic	PARN	16	14700340	14711507	0	0	0	0	0	2	11167	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr16:7898762-7901929	intergenic	RBF0X1(dist=135422), NONE(dist=NONE)	16	7898762	7901929	0	0	0	0	0	2	3167	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr16:89453882-89454778	intronic	ANKRD11	16	89453882	89454778	0	0	0	0	0	2	896	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr16:8999043-9011013	exonic	USP7	16	8999043	9011013	0	0	0	0	0	2	11970	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:15960827-16005119	exonic	NCOR1	17	15960827	16005119	0	0	0	0	0	2	44292	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:21198162-21199916	UTR5	MAP2K3(OM_001318332:c.-2365_-2241delins0)	17	21198162	21199916	0	0	0	0	0	2	1754	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:27731716-27732092	intronic	TAOK1	17	27731716	27732092	0	0	0	0	0	2	376	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:29070319-29096983	ncRNA_exonic	SUZ12P1	17	29070319	29096983	0	0	0	0	0	2	26664	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr17:29161165-29171057	exonic	ATAD5	17	29161165	29171057	0	0	0	0	0	2	9892	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:29541468-29546136	exonic	NF1	17	29541468	29546136	0	0	0	0	0	2	4668	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:29587386-29592357	exonic	NF1	17	29587386	29592357	0	0	0	0	0	2	4971	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:30284044-30288314	intronic	SUZ12	17	30284044	30288314	0	0	0	0	0	2	4270	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:34843543-34845573	intronic	ZNHIT3	17	34843543	34845573	0	0	0	0	0	2	2030	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:38551700-38552717	exonic	TOP2A	17	38551700	38552717	0	0	0	0	0	2	1017	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:42115946-42116529	intronic	LSM12	17	42115946	42116529	0	0	0	0	0	2	583	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:44714741-44720625	exonic	NSF	17	44714741	44720625	0	0	0	0	0	2	5884	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:4769670-4771366	intronic	MINK1	17	4769670	4771366	0	0	0	0	0	2	1696	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:48808209-48808624	intronic	LUC7L3	17	48808209	48808624	0	0	0	0	0	2	415	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:59172113-59172922	intronic	BCAS3	17	59172113	59172922	0	0	0	0	0	2	809	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:65528918-65574373	exonic	PITPNC1	17	65528918	65574373	0	0	0	0	0	2	45455	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:71018657-71019738	intronic	SLC39A11	17	71018657	71019738	0	0	0	0	0	2	1081	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr17:7416895-7417075	exonic	POLR2A	17	7416895	7417075	0	0	0	0	0	2	180	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr18:2732262-2752550	exonic	SMCHD1	18	2732262	2752550	0	0	0	0	0	2	20288	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr18:2732262-2772370	exonic	SMCHD1	18	2732262	2772370	0	0	0	0	0	2	40108	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr18:67794737-67795782	exonic	RTTN	18	67794737	67795782	0	0	0	0	0	2	1045	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr18:7754371-7774269	exonic	PTPRM	18	7754371	7774269	0	0	0	0	0	2	19898	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr18:7754371-7839399	exonic	PTPRM	18	7754371	7839399	0	0	0	0	0	2	85028	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr19:11623870-11630008	exonic	ECSIT	19	11623870	11630008	0	0	0	0	0	2	6138	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr19:36530224-36531038	exonic	THAP8	19	36530224	36531038	0	0	0	0	0	2	814	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr19:3715365-3726319	exonic	TJP3	19	3715365	3726319	0	0	0	0	0	2	10954	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr19:45284161-45284620	exonic	CBLC	19	45284161	45284620	0	0	0	0	0	2	459	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:109111746-109116210	exonic	GCC2	2	109111746	109116210	0	0	0	0	0	2	4464	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:11341082-11354589	exonic	ROCK2	2	11341082	11354589	0	0	0	0	0	2	13507	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:114489160-114508145	exonic	SLC35F5	2	114489160	114508145	0	0	0	0	0	2	18985	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:160721349-160735880	exonic	LY75, LY75-CD302	2	160721349	160735880	0	0	0	0	0	2	14531	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:181905905-181906220	intronic	UBE2E3	2	181905905	181906220	0	0	0	0	0	2	315	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:189850390-189870985	exonic	COL3A1	2	189850390	189870985	0	0	0	0	0	2	20595	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:189870075-189870985	exonic	COL3A1	2	189870075	189870985	0	0	0	0	0	2	910	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:201434385-201440184	exonic	SGOL2	2	201434385	201440184	0	0	0	0	0	2	5799	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:202430451-202446940	exonic	ALS2CR11	2	202430451	202446940	0	0	0	0	0	2	16489	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:203880878-203914698	exonic	NBEAL1	2	203880878	203914698	0	0	0	0	0	2	33820	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:211421443-211481265	exonic	CPS1	2	211421443	211481265	0	0	0	0	0	2	59822	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:216977738-216997110	exonic	XRCC5	2	216977738	216997110	0	0	0	0	0	2	19372	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr2:216985690-216988292	exonic	XRCC5	2	216985690	216988292	0	0	0	0	0	2	2602	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:218745620-218749887	exonic	TNS1	2	218745620	218749887	0	0	0	0	0	2	4267	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:47570242-47570979	ncRNA_intronic	LOC101927043	2	47570242	47570979	0	0	0	0	0	2	737	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:61730648-61731152	intronic	XPO1	2	61730648	61731152	0	0	0	0	0	2	504	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:62289652-62314590	intronic	COMMD1	2	62289652	62314590	0	0	0	0	0	2	24938	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:65658820-65659580	exonic	SPRED2	2	65658820	65659580	0	0	0	0	0	2	760	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:73020830-73021139	intronic	EXOC6B	2	73020830	73021139	0	0	0	0	0	2	309	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr2:96499578-96500875	intergenic	LINC00342 (dist=6849), ANKRD36C (dist=14421)	2	96499578	96500875	0	0	0	0	0	2	1297	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr20:21195172-21213468	exonic	KIZ	20	21195172	21213468	0	0	0	0	0	2	18296	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr20:34775597-34778719	exonic	EPB41L1	20	34775597	34778719	0	0	0	0	0	2	3122	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr20:39690033-39729993	exonic	TOP1	20	39690033	39729993	0	0	0	0	0	2	39960	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr20:44468063-44473822	exonic	ACOT8, SNX21	20	44468063	44473822	0	0	0	0	0	2	5759	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr20:47881252-47888287	exonic	ZNFX1	20	47881252	47888287	0	0	0	0	0	2	7035	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr21:34955793-34958487	exonic	DONSON	21	34955793	34958487	0	0	0	0	0	2	2694	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr21:37745857-37746443	intronic	MORC3	21	37745857	37746443	0	0	0	0	0	2	586	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr22:24491893-24509715	exonic	CABIN1	22	24491893	24509715	0	0	0	0	0	2	17822	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr22:28911615-28915308	intronic	TTC28	22	28911615	28915308	0	0	0	0	0	2	3693	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr22:30144407-30150852	exonic	ZMAT5	22	30144407	30150852	0	0	0	0	0	2	6445	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr22:32044087-32046764	intergenic	PISD (dist=17277), PRR14L (dist=30570)	22	32044087	32046764	0	0	0	0	0	2	2677	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr22:40917726-40936590	ncRNA_exonic	LOC101927257	22	40917726	40936590	0	0	0	0	0	2	18864	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr22:41521867-41542820	exonic	EP300	22	41521867	41542820	0	0	0	0	0	2	20953	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:101520078-101520833	exonic	NXPE3	3	101520078	101520833	0	0	0	0	0	2	755	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:10311814-10312699	exonic	TATDN2	3	10311814	10312699	0	0	0	0	0	2	885	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:111651115-111681159	exonic	PHLDB2	3	111651115	111681159	0	0	0	0	0	2	30044	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:119806302-119806849	intronic	GSK3B	3	119806302	119806849	0	0	0	0	0	2	547	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:130881252-130907418	exonic	NEK11	3	130881252	130907418	0	0	0	0	0	2	26166	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:141115100-141122873	UTR5	ZBTB38 (NM_001080412:c.-46130..-45781delins40)	3	141115100	141122873	0	0	0	0	0	2	7773	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:172479399-172502593	exonic	ECT2	3	172479399	172502593	0	0	0	0	0	2	23194	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:172504282-172525714	exonic	ECT2	3	172504282	172525714	0	0	0	0	0	2	21432	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:17413566-17448018	exonic	TBC1D5	3	17413566	17448018	0	0	0	0	0	2	34452	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:176906258-176908213	intronic	TBL1XR1	3	176906258	176908213	0	0	0	0	0	2	1955	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:183469860-183504089	exonic	YEATS2	3	183469860	183504089	0	0	0	0	0	2	34229	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:194154500-194158302	exonic	ATP13A3	3	194154500	194158302	0	0	0	0	0	2	3802	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:197490337-197495458	exonic	FYTTD1	3	197490337	197495458	0	0	0	0	0	2	5121	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:33340096-33340628	intronic	FBXL2	3	33340096	33340628	0	0	0	0	0	2	532	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr3:33576724-33592887	exonic	CLASP2	3	33576724	33592887	0	0	0	0	0	2	16163	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:37424717-37427861	UTR5	<small>C3orf35(NM_178344:c.-30998_-30897delins0)</small>	3	37424717	37427861	0	0	0	0	0	2	3144	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:44970797-44975476	exonic	ZDHHC3	3	44970797	44975476	0	0	0	0	0	2	4679	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:47747898-47762225	exonic	SMARCC1	3	47747898	47762225	0	0	0	0	0	2	14327	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:47870169-47881581	exonic	DHX30	3	47870169	47881581	0	0	0	0	0	2	11412	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:49355765-49357134	intronic	USP4	3	49355765	49357134	0	0	0	0	0	2	1369	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:56593622-56594769	exonic	CCDC66	3	56593622	56594769	0	0	0	0	0	2	1147	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:57875767-57908750	exonic	SLMAP	3	57875767	57908750	0	0	0	0	0	2	32983	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:58106967-58124256	exonic	FLNB	3	58106967	58124256	0	0	0	0	0	2	17289	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:71336854-71337141	intronic	FOXP1	3	71336854	71337141	0	0	0	0	0	2	287	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr3:9460417-9460566	intronic	SETD5	3	9460417	9460566	0	0	0	0	0	2	149	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:103644028-103651893	exonic	MANBA	4	103644028	103651893	0	0	0	0	0	2	7865	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:128935374-128936005	intronic	ABHD18	4	128935374	128936005	0	0	0	0	0	2	631	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:13600569-13615285	exonic	BOD1L1	4	13600569	13615285	0	0	0	0	0	2	14716	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:140297518-140307384	exonic	NAA15	4	140297518	140307384	0	0	0	0	0	2	9866	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:145959897-145961411	intronic	ANAPC10	4	145959897	145961411	0	0	0	0	0	2	1514	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:160107794-160131735	intergenic	<small>MIR3688-1(dist=57748),RAPGEF2(dist=57263)</small>	4	160107794	160131735	0	0	0	0	0	2	23941	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:185701486-185735131	exonic	ACSL1	4	185701486	185735131	0	0	0	0	0	2	33645	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:36295147-36318108	exonic	DTHD1	4	36295147	36318108	0	0	0	0	0	2	22961	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:39747371-39757359	exonic	UBE2K	4	39747371	39757359	0	0	0	0	0	2	9988	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:39841171-39842841	intronic	PDS5A	4	39841171	39842841	0	0	0	0	0	2	1670	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:40551414-40584283	intronic	RBM47	4	40551414	40584283	0	0	0	0	0	2	32869	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:40567882-40568913	intronic	RBM47	4	40567882	40568913	0	0	0	0	0	2	1031	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:48371865-48381865	exonic	SLAIN2	4	48371865	48381865	0	0	0	0	0	2	10000	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr4:85800559-85853516	UTR5	<small>WDFY3(NM_014991:c.-71579_-71772delins0)</small>	4	85800559	85853516	0	0	0	0	0	2	52957	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:112090569-112103087	exonic	APC	5	112090569	112103087	0	0	0	0	0	2	12518	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:132400671-132409818	exonic	HSPA4	5	132400671	132409818	0	0	0	0	0	2	9147	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:132940373-132941893	intronic	FSTL4	5	132940373	132941893	0	0	0	0	0	2	1520	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:137740239-137740814	intronic	KDM3B	5	137740239	137740814	0	0	0	0	0	2	575	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:138113455-138113777	intronic	CTNNA1	5	138113455	138113777	0	0	0	0	0	2	322	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:147468917-147473305	exonic	SPINK5	5	147468917	147473305	0	0	0	0	0	2	4388	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:176682242-176682639	intronic	NSD1	5	176682242	176682639	0	0	0	0	0	2	397	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:35646768-35670329	exonic	SPEF2	5	35646768	35670329	0	0	0	0	0	2	23561	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:37301538-37305312	exonic	NUP155	5	37301538	37305312	0	0	0	0	0	2	3774	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:37333564-37341344	exonic	NUP155	5	37333564	37341344	0	0	0	0	0	2	7780	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chr5:56509900-56546968	exonic	GPBP1	5	56509900	56546968	0	0	0	0	0	2	37068	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:66439329-66439469	intronic	MAST4	5	66439329	66439469	0	0	0	0	0	2	140	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:70888752-70892191	exonic	MCCC2	5	70888752	70892191	0	0	0	0	0	2	3439	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr5:73136304-73154044	exonic	ARHGEF28	5	73136304	73154044	0	0	0	0	0	2	17740	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:112015577-112041265	exonic	FYN	6	112015577	112041265	0	0	0	0	0	2	25688	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:125330320-125379252	exonic	RNF217	6	125330320	125379252	0	0	0	0	0	2	48932	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:128643183-128718833	exonic	PTPRK	6	128643183	128718833	0	0	0	0	0	2	75650	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:130475969-130497153	exonic	SAMD3	6	130475969	130497153	0	0	0	0	0	2	21184	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:13657340-13697128	exonic	RANBP9	6	13657340	13697128	0	0	0	0	0	2	39788	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:151125745-151139352	exonic	PLEKHG1	6	151125745	151139352	0	0	0	0	0	2	13607	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:152629623-152643021	exonic	SYNE1	6	152629623	152643021	0	0	0	0	0	2	13398	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:168273057-168273219	exonic	MLLT4	6	168273057	168273219	0	0	0	0	0	2	162	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:17665469-17676001	exonic	NUP153	6	17665469	17676001	0	0	0	0	0	2	10532	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:18166497-18171710	exonic	KDM1B	6	18166497	18171710	0	0	0	0	0	2	5213	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:20546576-20649608	exonic	CDKAL1	6	20546576	20649608	0	0	0	0	0	2	103032	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:25495338-25520565	exonic	LRRC16A	6	25495338	25520565	0	0	0	0	0	2	25227	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:35825037-35838736	exonic	SRPK1	6	35825037	35838736	0	0	0	0	0	2	13699	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:35835511-35835859	intronic	SRPK1	6	35835511	35835859	0	0	0	0	0	2	348	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:42577842-42636523	exonic	UBR2	6	42577842	42636523	0	0	0	0	0	2	58681	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:43585629-43585958	UTR3	-----	6	43585629	43585958	0	0	0	0	0	2	329	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:47522381-47563762	exonic	CD2AP	6	47522381	47563762	0	0	0	0	0	2	41381	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:53370189-53374048	exonic	GCLC	6	53370189	53374048	0	0	0	0	0	2	3859	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:62866868-62867029	intronic	KHDRBS2	6	62866868	62867029	0	0	0	0	0	2	161	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:63986808-63989332	UTR3	-----	6	63986808	63989332	0	0	0	0	0	2	2524	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:689138-693018	splicing	EXOC2	6	689138	693018	0	0	0	0	0	2	3880	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr6:90418214-90435115	exonic	MDN1	6	90418214	90435115	0	0	0	0	0	2	16901	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:121738504-121773795	exonic	AASS	7	121738504	121773795	0	0	0	0	0	2	35291	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:138209985-138223548	exonic	TRIM24	7	138209985	138223548	0	0	0	0	0	2	13563	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:139085163-139086293	intronic	C7orf55-LUC7L2, LUC7L2	7	139085163	139086293	0	0	0	0	0	2	1130	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:149189950-149260694	exonic	ZNF746	7	149189950	149260694	0	0	0	0	0	2	70744	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:21912891-21932285	exonic	DNAH11	7	21912891	21932285	0	0	0	0	0	2	19394	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:23401152-23458443	exonic	IGF2BP3	7	23401152	23458443	0	0	0	0	0	2	57291	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:23496635-23505719	intronic	IGF2BP3	7	23496635	23505719	0	0	0	0	0	2	9084	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:35925437-35937993	exonic		7	35925437	35937993	0	0	0	0	0	2	12556	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:38810797-38829467	exonic	VPS41	7	38810797	38829467	0	0	0	0	0	2	18670	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

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chr7:40037092-40127930	exonic	CDK13	7	40037092	40127930	0	0	0	0	0	2	90838	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:45063085-45063445	intronic	CCM2	7	45063085	45063445	0	0	0	0	0	2	360	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:4794867-4796818	exonic	FOKK1	7	4794867	4796818	0	0	0	0	0	2	1951	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:50742132-50771605	exonic	GRB10	7	50742132	50771605	0	0	0	0	0	2	29473	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:65595731-65599361	exonic	CRCP	7	65595731	65599361	0	0	0	0	0	2	3630	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:76903010-76909970	exonic	CCDC146	7	76903010	76909970	0	0	0	0	0	2	6960	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:77247796-77256992	exonic	PTPN12	7	77247796	77256992	0	0	0	0	0	2	9196	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:77973094-77998530	exonic	MAGI2	7	77973094	77998530	0	0	0	0	0	2	25436	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:90001469-90022772	exonic	GTPBP10	7	90001469	90022772	0	0	0	0	0	2	21303	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:97994104-97995017	intronic	BAIAP2L1	7	97994104	97995017	0	0	0	0	0	2	913	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:98792692-98792961	exonic	KPNA7	7	98792692	98792961	0	0	0	0	0	2	269	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr7:99923313-99926642	ncRNA_exonic	PMS2P1	7	99923313	99926642	0	0	0	0	0	2	3329	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:103323526-103335723	exonic	UBR5	8	103323526	103335723	0	0	0	0	0	2	12197	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:130874474-130916831	exonic	FAM49B	8	130874474	130916831	0	0	0	0	0	2	42357	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:141262875-141381279	exonic	TRAPPC9	8	141262875	141381279	0	0	0	0	0	2	118404	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:38103468-38103746	exonic	DDHD2	8	38103468	38103746	0	0	0	0	0	2	278	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:42798455-42829337	exonic	HOOK3	8	42798455	42829337	0	0	0	0	0	2	30882	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:71495398-71496028	exonic	TRAM1	8	71495398	71496028	0	0	0	0	0	2	630	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr8:98711981-98735263	exonic	MTDH	8	98711981	98735263	0	0	0	0	0	2	23282	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:111732681-111746716	exonic	CTNNAL1	9	111732681	111746716	0	0	0	0	0	2	14035	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:112360590-112360869	intergenic	MIR3927 (dist=86765), PALM2 (dist=42199)	9	112360590	112360869	0	0	0	0	0	2	279	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:115420422-115420952	intronic	KIAA1958	9	115420422	115420952	0	0	0	0	0	2	530	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:123239627-123301442	exonic	CDK5RAP2	9	123239627	123301442	0	0	0	0	0	2	61815	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:123632876-123636256	splicing	PHF19	9	123632876	123636256	0	0	0	0	0	2	3380	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:132400965-132401480	splicing	ASB6	9	132400965	132401480	0	0	0	0	0	2	515	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:132821675-132822436	intronic	GPR107	9	132821675	132822436	0	0	0	0	0	2	761	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:134601005-134602265	intronic	RAPGEF1	9	134601005	134602265	0	0	0	0	0	2	1260	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:135172273-135176190	exonic	SETX	9	135172273	135176190	0	0	0	0	0	2	3917	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:135206438-135206835	exonic	SETX	9	135206438	135206835	0	0	0	0	0	2	397	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:19063005-19096767	exonic	HAUS6	9	19063005	19096767	0	0	0	0	0	2	33762	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:22046749-22097363	ncRNA_exonic	CDKN2B-AS1	9	22046749	22097363	0	0	0	0	0	2	50614	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:33863440-33863866	intronic	UBE2R2	9	33863440	33863866	0	0	0	0	0	2	426	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:33906808-33908058	intronic	UBE2R2	9	33906808	33908058	0	0	0	0	0	2	1250	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:88648196-88661487	exonic	GOLM1	9	88648196	88661487	0	0	0	0	0	2	13291	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924
chr9:96233422-96294611	exonic	FAM120A	9	96233422	96294611	0	0	0	0	0	2	61189	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924

chrMT:9031-9185	intergenic	NONE(dist=NONE), NONE(dist=NONE)	MT	9031	9185	0	0	0	0	0	2	154	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chrX:19865036-19865177	intronic	SH3KBP1	X	19865036	19865177	0	0	0	0	0	2	141	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chrX:31645790-31747865	exonic	DMD	X	31645790	31747865	0	0	0	0	0	2	102075	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chrX:38146268-38146481	exonic	RPGR	X	38146268	38146481	0	0	0	0	0	2	213	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chrX:67731690-67742759	exonic	YIPF6	X	67731690	67742759	0	0	0	0	0	2	11069	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chrX:83411082-83419395	exonic	RPS6KA6	X	83411082	83419395	0	0	0	0	0	2	8313	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chrX:9469820-9487173	UTR5		X	9469820	9487173	0	0	0	0	0	2	17353	0.616437218	-2.676722948	3.986198973	-0.671497576	0.501903603	0.998252924	
chr2:20478343-20527139	exonic	PUM2		2	20478343	20527139	1	1	0	2	3	5	48796	2.420060822	-2.672446467	1.903866232	-1.403694452	NA	NA
chr10:96018556-96018907	exonic	PLCE1		10	96018556	96018907	0	1	0	9	1	0	351	1.252105687	-2.670477169	2.635257199	-1.013364908	NA	NA
chr17:169210-171206	exonic	RPH3AL		17	169210	171206	0	1	2	2	0	11	1996	4.171841317	-2.658638924	1.804596936	-1.473259136	NA	NA
chr17:131558-171206	exonic	RPH3AL		17	131558	171206	3	0	0	2	15	2	39648	3.031432143	-2.650724757	1.813486722	-1.461673099	0.143830812	0.998252924
chr17:131558-177370	exonic	RPH3AL		17	131558	177370	3	0	0	2	15	2	45812	3.031432143	-2.650724757	1.813486722	-1.461673099	0.143830812	0.998252924
chr17:131558-183725	exonic	LOC100506388, RPH3AL		17	131558	183725	3	0	0	2	15	2	52167	3.031432143	-2.650724757	1.813486722	-1.461673099	0.143830812	0.998252924
chr1:113655100-113662145	exonic	LRI G2		1	113655100	113662145	0	0	0	4	1	0	7045	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr1:29362337-29379824	exonic	EPB41		1	29362337	29379824	0	0	0	4	1	0	17487	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr16:23403700-23424885	exonic	COG7		16	23403700	23424885	0	0	0	4	1	0	21185	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr16:86523869-86524610	ncRNA_exonic	FENDRR		16	86523869	86524610	0	0	0	4	1	0	741	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr17:3955264-3968123	exonic	ZZEF1		17	3955264	3968123	0	0	0	4	1	0	12859	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr18:55278868-55283207	exonic	NARS		18	55278868	55283207	0	0	0	4	1	0	4339	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr2:101643844-101650220	exonic	TBC1D8		2	101643844	101650220	0	0	0	4	1	0	6376	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr2:33748945-33759467	exonic	RASGRP3		2	33748945	33759467	0	0	0	4	1	0	10522	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr3:37105232-37125297	exonic	LRRFIP2		3	37105232	37125297	0	0	0	4	1	0	20065	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr3:71743025-71759635	exonic	EIF4E3		3	71743025	71759635	0	0	0	4	1	0	16610	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr4:174169130-174169591	exonic	GALNT7		4	174169130	174169591	0	0	0	4	1	0	461	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr5:176402396-176409624	exonic	UIMC1		5	176402396	176409624	0	0	0	4	1	0	7228	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr5:179250857-179252226	exonic	SQSTM1		5	179250857	179252226	0	0	0	4	1	0	1369	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr7:102039994-102047945	exonic	PRKRIP1		7	102039994	102047945	0	0	0	1	2	0	7951	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr7:98988515-98988876	exonic	ARPC1B		7	98988515	98988876	0	0	0	4	1	0	361	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr9:33944362-33948585	exonic	UBAP2		9	33944362	33948585	0	0	0	4	1	0	4223	0.546272962	-2.643177566	3.756145682	-0.703694103	0.481623294	0.998252924
chr3:47098310-47108608	exonic	SETD2		3	47098310	47108608	2	0	0	2	8	2	10298	2.055253248	-2.639605761	2.062272597	-1.279949976	0.20056273	0.998252924
chr9:35228011-35243361	exonic	UNC13B		9	35228011	35243361	2	0	0	8	7	0	15350	1.955656919	-2.628217623	2.214892933	-1.18661159	0.235380862	0.998252924
chr7:77200394-77230123	exonic	PTPN12		7	77200394	77230123	0	0	2	0	9	4	29729	2.716659282	-2.626939508	2.064979492	-1.272138303	NA	NA
chr13:20632714-20641530	exonic	ZMYM2		13	20632714	20641530	1	0	0	2	0	3	8816	1.266265539	-2.601866958	2.642966003	-0.984449651	0.324894476	0.998252924
chr1:10450527-10452266	intergenic	KIF1B(dist=8866), PGD(dist=6783)		1	10450527	10452266	0	0	0	5	0	0	1739	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:110207633-110233186	exonic	GSTM1, GSTM2, GSTM4		1	110207633	110233186	0	0	0	5	0	0	25553	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA

chr1:168200752-168212307	exonic	SFT2D2	1	168200752	168212307	0	0	0	5	0	0	11555	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:44467984-44468657	exonic	SLC6A9	1	44467984	44468657	0	0	0	5	0	0	673	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:47512139-47534435	exonic	CYP4X1, CYP4Z1	1	47512139	47534435	0	0	0	5	0	0	22296	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:48850980-48869554	exonic	SPATA6	1	48850980	48869554	0	0	0	5	0	0	18574	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:52698842-52705267	exonic	ZFYVE9	1	52698842	52705267	0	0	0	5	0	0	6425	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:59787207-59978111	exonic	FGGY	1	59787207	59978111	0	0	0	5	0	0	190904	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:79132257-79138776	intergenic	IF144 (dist=2494), ADGRL4 (dist=216673)	1	79132257	79138776	0	0	0	5	0	0	6519	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr1:91382197-91383711	exonic	ZNF644	1	91382197	91383711	0	0	0	5	0	0	1514	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr10:120972931-120973581	intronic	GRK5	10	120972931	120973581	0	0	0	5	0	0	650	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr10:133747962-133758963	exonic	PPP2R2D	10	133747962	133758963	0	0	0	5	0	0	11001	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr10:24508555-24535366	exonic	KIAA1217	10	24508555	24535366	0	0	0	5	0	0	26811	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr10:53399102-53411438	intronic	PRKG1	10	53399102	53411438	0	0	0	5	0	0	12336	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr10:94700483-94708136	exonic	EXOC6	10	94700483	94708136	0	0	0	5	0	0	7653	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr11:108198371-108202764	exonic	ATM	11	108198371	108202764	0	0	0	5	0	0	4393	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr11:22225349-22242756	exonic	ANO5	11	22225349	22242756	0	0	0	5	0	0	17407	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr11:72423240-72424288	exonic	ARAP1	11	72423240	72424288	0	0	0	5	0	0	1048	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr12:56094682-56094938	exonic	ITGA7	12	56094682	56094938	0	0	0	5	0	0	256	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr13:101039023-101101559	exonic	PCCA	13	101039023	101101559	0	0	0	5	0	0	62536	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr13:114806476-114823957	exonic	RASA3	13	114806476	114823957	0	0	0	5	0	0	17481	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr13:48651289-48664554	exonic	MED4	13	48651289	48664554	0	0	0	5	0	0	13265	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr14:71517793-71520129	exonic	PCNX	14	71517793	71520129	0	0	0	5	0	0	2336	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr14:97312431-97327072	exonic	VRK1	14	97312431	97327072	0	0	0	5	0	0	14641	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr15:101104897-101105470	intergenic	PRKXP1 (dist=5409), LINS1 (dist=3958)	15	101104897	101105470	0	0	0	5	0	0	573	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr15:61293091-61327125	intronic	RORA	15	61293091	61327125	0	0	0	5	0	0	34034	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr17:28534749-28536260	exonic	SLC6A4	17	28534749	28536260	0	0	0	5	0	0	1511	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr17:8409635-8413267	exonic	MYH10	17	8409635	8413267	0	0	0	5	0	0	3632	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr18:10530767-10550251	exonic	NAPG	18	10530767	10550251	0	0	0	5	0	0	19484	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr19:55420603-55421425	exonic	NCR1	19	55420603	55421425	0	0	0	5	0	0	822	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr2:153220312-153222054	intronic	FMNL2	2	153220312	153222054	0	0	0	5	0	0	1742	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr2:202430451-202440049	exonic	ALS2CR11	2	202430451	202440049	0	0	0	5	0	0	9598	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr2:32339706-32353548	exonic	SPAST	2	32339706	32353548	0	0	0	5	0	0	13842	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr2:36623756-36623930	exonic	CRIM1	2	36623756	36623930	0	0	0	5	0	0	174	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr2:36668400-36706837	exonic	CRIM1	2	36668400	36706837	0	0	0	5	0	0	38437	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr2:46574011-46588229	exonic	EPAS1	2	46574011	46588229	0	0	0	5	0	0	14218	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr21:17150222-17177577	exonic	USP25	21	17150222	17177577	0	0	0	5	0	0	27355	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA

chr21:17150222-17191165	exonic	USP25	21	17150222	17191165	0	0	0	5	0	0	40943	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr21:17150222-17199522	exonic	USP25	21	17150222	17199522	0	0	0	1	2	0	49300	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr22:43286952-43287188	exonic	PACSN2	22	43286952	43287188	0	0	0	5	0	0	236	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr22:51123012-51154181	exonic	SHANK3	22	51123012	51154181	0	0	0	5	0	0	31169	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr22:51123012-51160865	exonic	SHANK3	22	51123012	51160865	0	0	0	5	0	0	37853	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr3:132337477-132350323	exonic	ACAD11	3	132337477	132350323	0	0	0	5	0	0	12846	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr3:4487181-4494733	exonic	SUMF1	3	4487181	4494733	0	0	0	5	0	0	7552	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr3:69037445-69053633	exonic	EOGT	3	69037445	69053633	0	0	0	5	0	0	16188	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr3:77147164-77600140	exonic	ROBO2	3	77147164	77600140	0	0	0	5	0	0	452976	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr4:120446703-120517767	exonic	PDE5A	4	120446703	120517767	0	0	0	5	0	0	71064	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr4:120460114-120528452	exonic	PDE5A	4	120460114	120528452	0	0	0	5	0	0	68338	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr4:3105550-3109150	exonic	HTT	4	3105550	3109150	0	0	0	5	0	0	3600	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr6:129843622-129879311	intergenic	LAMA2 (dist=5912), ARHGAP18 (dist=18929)	6	129843622	129879311	0	0	0	5	0	0	35689	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr6:139232412-139251235	exonic	REPS1	6	139232412	139251235	0	0	0	5	0	0	18823	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr6:148677822-148678959	intronic	SASH1	6	148677822	148678959	0	0	0	5	0	0	1137	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr6:90959408-90981660	UTR5	BACH2 (NM_021813:c.-262927_-263097delins0)	6	90959408	90981660	0	0	0	5	0	0	22252	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr7:151181823-151195266	exonic	RHEB	7	151181823	151195266	0	0	0	5	0	0	13443	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr7:30496336-30496658	exonic	NOD1	7	30496336	30496658	0	0	0	5	0	0	322	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr7:31815277-31855768	exonic	PDE1C	7	31815277	31855768	0	0	0	5	0	0	40491	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr7:69925568-69927001	intronic	AUTS2	7	69925568	69927001	0	0	0	5	0	0	1433	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr8:12522787-12523485	ncRNA_exonic	LOC729732	8	12522787	12523485	0	0	0	5	0	0	698	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr9:136671202-136677338	exonic	VAV2	9	136671202	136677338	0	0	0	5	0	0	6136	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr9:87356806-87367000	exonic	NTRK2	9	87356806	87367000	0	0	0	5	0	0	10194	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chrX:128166327-128256170	intergenic	ACTR11 (dist=979945), SMARCA1 (dist=324308)	X	128166327	128256170	0	0	0	5	0	0	89843	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chrY:14813939-14821476	exonic	USP9Y	Y	14813939	14821476	0	0	0	5	0	0	7537	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chrY:21203256-21207177	ncRNA_intronic	TTY14	Y	21203256	21207177	0	0	0	5	0	0	3921	0.531556926	-2.601466817	3.990320854	-0.65194427	NA	NA
chr12:48477373-48491907	exonic	SENP1	12	48477373	48491907	1	0	0	0	4	2	14534	1.229533848	-2.596028583	2.647736391	-0.980470938	NA	NA
chr11:94532555-94533477	exonic	AMOTL1	11	94532555	94533477	1	0	0	7	0	1	922	1.181385248	-2.587233167	2.691897628	-0.96118707	0.336492485	0.998252924
chr9:115013208-115015068	exonic	PTBP3	9	115013208	115015068	0	0	2	1	3	6	1860	2.713243354	-2.586018375	1.963834103	-1.316821198	NA	NA
chr10:104899162-104934739	exonic	NT5C2	10	104899162	104934739	0	0	0	0	2	1	35577	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr10:32120666-32150586	exonic	ARHGAP12	10	32120666	32150586	0	0	0	0	2	1	29920	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr10:69647174-69648881	exonic	SIRT1	10	69647174	69648881	0	0	0	0	2	1	1707	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr14:32586348-32621734	exonic	ARHGAP5	14	32586348	32621734	0	0	0	0	2	1	35386	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr14:53558502-53570574	exonic	DDHD1	14	53558502	53570574	0	0	0	0	2	1	12072	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr17:34869271-34871833	exonic	MYO19	17	34869271	34871833	0	0	0	0	2	1	2562	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924

chr2:172305190-172314585	exonic	DCAF17	2	172305190	172314585	0	0	0	0	2	1	9395	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr2:173423435-173435552	exonic	PDK1	2	173423435	173435552	0	0	0	0	2	1	12117	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr2:231624673-231658046	exonic	CAB39	2	231624673	231658046	0	0	0	0	2	1	33373	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr2:65318116-65331940	exonic	RAB1A	2	65318116	65331940	0	0	0	0	2	1	13824	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr20:33045194-33059320	exonic	ITCH	20	33045194	33059320	0	0	0	0	2	1	14126	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr4:120188474-120194863	exonic	USP53	4	120188474	120194863	0	0	0	0	2	1	6389	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr5:43139266-43162033	exonic	ZNF131	5	43139266	43162033	0	0	0	0	2	1	22767	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr6:72960032-72961071	exonic	RIMS1	6	72960032	72961071	0	0	0	0	2	1	1039	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr6:90556280-90566918	exonic	CASP8AP2	6	90556280	90566918	0	0	0	0	2	1	10638	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr7:105105759-105111295	exonic	PUS7	7	105105759	105111295	0	0	0	0	2	1	5536	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr7:73634073-73635064	exonic	LAT2	7	73634073	73635064	0	0	0	0	2	1	991	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr7:92881965-92953044	exonic	VPS50	7	92881965	92953044	0	0	0	0	2	1	71079	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr9:88655653-88667506	exonic	GOLM1	9	88655653	88667506	0	0	0	0	2	1	11853	0.550273452	-2.563120227	3.777369045	-0.678546416	0.497425305	0.998252924
chr8:68950393-68973014	exonic	PREX2	8	68950393	68973014	1	0	0	6	3	0	22621	1.129937519	-2.562637463	2.665846091	-0.961284851	0.336408963	0.998252924
chr20:3925823-3955047	exonic	RNF24	20	3925823	3955047	0	0	3	0	3	10	29224	4.03707543	-2.552157175	2.991477388	-0.853142727	NA	NA
chr5:142434003-142526946	exonic	ARHGAP26	5	142434003	142526946	2	0	0	0	16	1	92943	1.897494134	-2.549928969	2.338573855	-1.09037778	0.275546766	0.998252924
chr20:18523662-18535034	exonic	SEC23B	20	18523662	18535034	1	0	0	7	2	0	11372	1.115221482	-2.542385837	2.692763345	-0.944154949	0.345090473	0.998252924
chr1:168032858-168037701	exonic	DCAF6	1	168032858	168037701	0	0	0	1	1	1	4843	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr10:70719561-70721913	exonic	DDX21	10	70719561	70721913	0	0	0	1	1	1	2352	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr16:56419830-56448256	exonic	AMFR	16	56419830	56448256	0	0	0	1	1	1	28426	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr2:100035289-100052403	exonic	REV1	2	100035289	100052403	0	0	0	1	1	1	17114	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr2:242178063-242189395	exonic	HDLBP	2	242178063	242189395	0	0	0	1	1	1	11332	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr2:61447444-61450431	exonic	USP34	2	61447444	61450431	0	0	0	1	1	1	2987	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr4:6925099-6925838	exonic	TBC1D14	4	6925099	6925838	0	0	0	1	1	1	739	0.535557416	-2.516649978	3.503992741	-0.718223514	0.472619482	0.998252924
chr18:196636-199316	exonic	USP14	18	196636	199316	0	0	1	4	0	2	2680	1.238951784	-2.514909203	2.636787064	-0.95377789	0.340196083	0.998252924
chr17:18768781-18769265	exonic	PRPSAP2	17	18768781	18769265	0	1	0	2	4	1	484	1.179226865	-2.511896982	2.470237659	-1.0168645	0.309217893	0.998252924
chr13:20567202-20568059	exonic	ZMYM2	13	20567202	20568059	0	0	1	0	8	0	857	1.1654884	-2.497876581	2.928722985	-0.852889329	NA	NA
chr5:58476420-58511794	exonic	PDE4D	5	58476420	58511794	0	0	1	0	8	0	35374	1.1654884	-2.497876581	2.928722985	-0.852889329	NA	NA
chr10:32308785-32310215	exonic	KIF5B	10	32308785	32310215	0	1	0	3	3	1	1430	1.164510829	-2.491831003	2.470032878	-1.008825034	0.313058553	0.998252924
chr10:72619127-72629654	exonic	SGPL1	10	72619127	72629654	0	0	0	2	0	1	10527	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr11:116629789-116636162	exonic	BUD13	11	116629789	116636162	0	0	0	2	0	1	6373	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr14:31139461-31177271	exonic	SCFD1	14	31139461	31177271	0	0	0	2	0	1	37810	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr16:19194849-19195469	exonic	SYT17	16	19194849	19195469	0	0	0	2	0	1	620	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr17:38209550-38209888	exonic	MED24	17	38209550	38209888	0	0	0	2	0	1	338	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr2:219103386-219104207	exonic	ARPC2	2	219103386	219104207	0	0	0	2	0	1	821	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924

chr2:39505547-39515421	exonic	MAP4K3	2	39505547	39515421	0	0	0	2	0	1	9874	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr20:57470666-57480535	exonic	GNAS	20	57470666	57480535	0	0	0	2	0	1	9869	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr21:33073307-33078670	exonic	SCAF4	21	33073307	33078670	0	0	0	2	0	1	5363	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr22:50181037-50187942	exonic	BRD1	22	50181037	50187942	0	0	0	2	0	1	6905	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr3:119562101-119582452	exonic	GSK3B	3	119562101	119582452	0	0	0	2	0	1	20351	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr4:95494501-95561601	exonic	PDLIM5	4	95494501	95561601	0	0	0	2	0	1	67100	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr6:47220991-47254331	exonic	TNFRSF21	6	47220991	47254331	0	0	0	2	0	1	33340	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr8:99560196-99608397	exonic	STK3	8	99560196	99608397	0	0	0	2	0	1	48201	0.520841379	-2.484135211	3.855538143	-0.644303109	0.5193789	0.998252924
chr11:9451220-9452550	exonic	IPO7	11	9451220	9452550	2	0	1	4	6	5	1330	3.147746026	-2.477880116	1.642767645	-1.508357024	0.131463176	0.998252924
chr17:37866065-37872192	exonic	ERBB2	17	37866065	37872192	0	1	1	18	0	0	6127	2.285149757	-2.474196609	2.239777429	-1.104661819	NA	NA
chr4:54292038-54294350	exonic	FIP1L1	4	54292038	54294350	0	1	0	2	6	0	2312	1.1130631	-2.465925923	2.698386659	-0.913851955	0.360794642	0.998252924
chr2:215645283-215661841	exonic	BARD1	2	215645283	215661841	1	0	0	0	1	3	16558	1.174670191	-2.464277809	2.739000097	-0.899699789	NA	NA
chr21:38480691-38507814	exonic	TTC3	21	38480691	38507814	1	0	0	0	1	3	27123	1.174670191	-2.464277809	2.739000097	-0.899699789	NA	NA
chr6:147527106-147560406	exonic	STXBP5	6	147527106	147560406	1	0	0	0	1	3	33300	1.174670191	-2.464277809	2.739000097	-0.899699789	NA	NA
chr2:168931491-168986268	exonic	STK39	2	168931491	168986268	15	5	4	7	4	13	54777	1.79906693	-2.460152255	3.917791069	-0.627943709	NA	NA
chr1:189714643-189760893	intergenic	<small>NONE (dist=NONE), BRINP3 (dist=305904)</small>	1	189714643	189760893	0	0	0	0	4	0	46250	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr1:24077334-24079008	exonic	TCEB3	1	24077334	24079008	0	0	0	0	4	0	1674	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr1:40878687-40882768	exonic	SMAP2	1	40878687	40882768	0	0	0	0	4	0	4081	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr1:44059565-44060986	intronic	PTPRF	1	44059565	44060986	0	0	0	0	4	0	1421	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr10:103699619-103717489	exonic	C10orf76	10	103699619	103717489	0	0	0	0	4	0	17870	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr10:116879948-116931050	exonic	ATRNL1	10	116879948	116931050	0	0	0	0	4	0	51102	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr10:96985305-97007123	exonic	ACSM6, PDLIM1	10	96985305	97007123	0	0	0	0	4	0	21818	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr10:97915083-97920158	exonic	ZNF518A	10	97915083	97920158	0	0	0	0	4	0	5075	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr11:87562451-87612330	intergenic	<small>TNEM135 (dist=522575), RAB38 (dist=234085)</small>	11	87562451	87612330	0	0	0	0	4	0	49879	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:100491142-100492319	exonic	UHRF1BP1L	12	100491142	100492319	0	0	0	0	4	0	1177	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:105238249-105322472	exonic	SLC41A2	12	105238249	105322472	0	0	0	0	4	0	84223	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:29492784-29494151	exonic	ERGIC2	12	29492784	29494151	0	0	0	0	4	0	1367	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:46655079-46655634	intronic	SLC38A1	12	46655079	46655634	0	0	0	0	4	0	555	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:5269473-5281055	intergenic	<small>KCNK5 (dist=113519), LOC101929584 (dist=82107)</small>	12	5269473	5281055	0	0	0	0	4	0	11582	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:56493361-56494138	exonic	ERBB3	12	56493361	56494138	0	0	0	0	4	0	777	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr12:90049456-90049884	exonic	ATP2B1	12	90049456	90049884	0	0	0	0	4	0	428	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr13:42744987-42746904	intronic	DGKH	13	42744987	42746904	0	0	0	0	4	0	1917	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr13:76195899-76335174	exonic	LMO7	13	76195899	76335174	0	0	0	0	4	0	139275	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:103865288-103894777	exonic	MARK3	14	103865288	103894777	0	0	0	0	4	0	29489	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:27675043-27676324	intergenic	<small>NR4A3070 (dist=291094), LINC00645 (dist=405470)</small>	14	27675043	27676324	0	0	0	0	4	0	1281	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA

chr14:31185130-31204064	exonic	SCFD1	14	31185130	31204064	0	0	0	0	4	0	18934	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:64449347-64450604	exonic	SYNE2	14	64449347	64450604	0	0	0	0	4	0	1257	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:71492833-71502874	exonic	PCNX	14	71492833	71502874	0	0	0	0	4	0	10041	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:78063528-78063723	exonic	SPTLC2	14	78063528	78063723	0	0	0	0	4	0	195	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:92126180-92195823	exonic	CATSPERB	14	92126180	92195823	0	0	0	0	3	0	69643	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:92136157-92185822	exonic	CATSPERB	14	92136157	92185822	0	0	0	0	4	0	49665	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr14:92136157-92195823	exonic	CATSPERB	14	92136157	92195823	0	0	0	0	3	0	59666	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr15:34376410-34380334	exonic	EMC7	15	34376410	34380334	0	0	0	0	4	0	3924	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr15:44843074-44843720	exonic	EIF3J	15	44843074	44843720	0	0	0	0	4	0	646	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr16:16235030-16236799	exonic	ABCC1	16	16235030	16236799	0	0	0	0	4	0	1769	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr16:18844261-18856973	exonic	SMG1	16	18844261	18856973	0	0	0	2	4	0	12712	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr16:27445667-27449008	exonic	IL21R	16	27445667	27449008	0	0	0	0	4	0	3341	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr16:71690473-71713438	exonic	PHLPP2	16	71690473	71713438	0	0	0	0	4	0	22965	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr16:71692135-71713438	exonic	PHLPP2	16	71692135	71713438	0	0	0	0	4	0	21303	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr17:25630392-25631937	exonic	WSB1	17	25630392	25631937	0	0	0	0	4	0	1545	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr17:37037264-37044625	intronic	LASP1	17	37037264	37044625	0	0	0	0	4	0	7361	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr18:48573290-48575694	exonic	SMAD4	18	48573290	48575694	0	0	0	0	4	0	2404	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr19:23522033-23545527	exonic	ZNF91	19	23522033	23545527	0	0	0	0	4	0	23494	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr19:24288742-24290845	exonic	ZNF254	19	24288742	24290845	0	0	0	0	4	0	2103	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr19:37203287-37203769	exonic	ZNF567	19	37203287	37203769	0	0	0	0	4	0	482	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr19:40391998-40406060	exonic	FCGBP	19	40391998	40406060	0	0	0	0	4	0	14062	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr2:112817554-112873780	exonic	TMEM87B	2	112817554	112873780	0	0	0	0	4	0	56226	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr2:44401901-44407536	intronic	PPM1B	2	44401901	44407536	0	0	0	0	4	0	5635	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr2:51149007-51153093	exonic	NRXN1	2	51149007	51153093	0	0	0	0	4	0	4086	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr2:61406116-61408540	UTR5	<small>AHSX2(NM_152392:c.-5745_-5469delins0)</small>	2	61406116	61408540	0	0	0	0	4	0	2424	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr2:65339140-65339391	intronic	RAB1A	2	65339140	65339391	0	0	0	0	4	0	251	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr20:43139929-43142681	exonic	SERINC3	20	43139929	43142681	0	0	0	0	4	0	2752	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr20:43600718-43623898	exonic	STK4	20	43600718	43623898	0	0	0	0	4	0	23180	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr20:43600718-43625947	exonic	STK4	20	43600718	43625947	0	0	0	0	4	0	25229	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr22:38019333-38019640	exonic	GGA1	22	38019333	38019640	0	0	0	0	4	0	307	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr22:43227554-43231499	exonic	ARFGAP3	22	43227554	43231499	0	0	0	0	4	0	3945	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr3:124456415-124463050	exonic	UMPS	3	124456415	124463050	0	0	0	0	4	0	6635	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr3:158399784-158409437	exonic	GFM1	3	158399784	158409437	0	0	0	0	4	0	9653	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr3:32745359-32750312	exonic	CNOT10	3	32745359	32750312	0	0	0	0	4	0	4953	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr3:33725850-33731424	exonic	CLASP2	3	33725850	33731424	0	0	0	0	4	0	5574	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA

chr3:47752173-47770584	exonic	SMARCC1	3	47752173	47770584	0	0	0	0	4	0	18411	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr4:120166491-120194863	exonic	USP53	4	120166491	120194863	0	0	0	0	4	0	28372	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr4:148575002-148575717	exonic	PRMT9	4	148575002	148575717	0	0	0	0	4	0	715	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr4:173852651-173888267	exonic	GALNTL6	4	173852651	173888267	0	0	0	0	4	0	35616	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr4:3317796-3319778	exonic	RGS12	4	3317796	3319778	0	0	0	0	4	0	1982	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr5:142966228-142967057	intergenic	<small>NR3C1 (dist=151151), MIR5197 (dist=92368)</small>	5	142966228	142967057	0	0	0	0	4	0	829	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr5:68400457-68410323	exonic	SLC30A5	5	68400457	68410323	0	0	0	0	4	0	9866	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr6:149893420-149903739	exonic	GINM1	6	149893420	149903739	0	0	0	0	4	0	10319	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr6:42992722-42995215	exonic	RRP36	6	42992722	42995215	0	0	0	0	4	0	2493	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr6:46593154-46610035	exonic	CYP39A1	6	46593154	46610035	0	0	0	0	4	0	16881	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr6:56915572-56920595	exonic	KIAA1586	6	56915572	56920595	0	0	0	0	4	0	5023	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr6:82900789-82914675	exonic	IBTK	6	82900789	82914675	0	0	0	0	4	0	13886	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr7:104645765-104649656	intergenic	<small>LINC01004 (dist=14153), KMT2E-AS1 (dist=1333)</small>	7	104645765	104649656	0	0	0	0	4	0	3891	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr7:47451325-47481653	exonic	TNS3	7	47451325	47481653	0	0	0	0	4	0	30328	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr8:17581180-17613470	exonic	MTUS1	8	17581180	17613470	0	0	0	0	4	0	32290	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr8:59851860-59872567	exonic	TOX	8	59851860	59872567	0	0	0	0	4	0	20707	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr8:93929157-93941802	exonic	TRIQQ	8	93929157	93941802	0	0	0	0	4	0	12645	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr9:100837852-100840629	exonic	NANS	9	100837852	100840629	0	0	0	0	4	0	2777	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr9:13247634-13276770	exonic	MPDZ	9	13247634	13276770	0	0	0	0	4	0	29136	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr9:19423859-19435082	exonic	ACER2	9	19423859	19435082	0	0	0	0	4	0	11223	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr9:86200468-86201283	intergenic	<small>FRMD3 (dist=47120), IDNK (dist=36681)</small>	9	86200468	86201283	0	0	0	0	4	0	815	0.484109687	-2.459087807	3.998695447	-0.614972518	NA	NA
chr4:103446668-103459113	exonic	NFKB1	4	103446668	103459113	2	0	0	5	8	0	12445	1.757750186	-2.454231493	2.292924735	-1.070349783	0.284461894	0.998252924
chr17:57814813-57851246	exonic	VMP1	17	57814813	57851246	0	0	1	3	5	0	36433	1.12134029	-2.44661448	2.676160792	-0.914225515	0.36059836	0.998252924
chr3:122942405-122978436	exonic	SEC22A	3	122942405	122978436	0	1	0	3	5	0	36031	1.098347064	-2.44582368	2.693542462	-0.908032346	0.363861133	0.998252924
chr18:19236821-19239304	exonic	ABHD3	18	19236821	19239304	1	0	0	3	5	0	2483	1.053058207	-2.444179261	2.730867749	-0.895019271	0.370776787	0.998252924
chr15:77544708-77578846	UTR5	<small>PEAK1 (NM_024776:c.-104216_-104578delins0)</small>	15	77544708	77578846	5	0	0	6	4	0	34138	1.743034149	-2.441447073	2.293858126	-1.064340922	0.287174286	0.998252924
chr11:17126715-17134213	exonic	PIK3C2A	11	17126715	17134213	0	0	1	2	0	3	7498	1.228236237	-2.438166943	2.70181309	-0.902418806	NA	NA
chr22:41521867-41569788	exonic	EP300	22	41521867	41569788	0	0	1	1	0	3	47921	1.228236237	-2.438166943	2.70181309	-0.902418806	NA	NA
chr10:103552595-103567658	exonic	MGEA5	10	103552595	103567658	1	0	1	5	5	2	15063	2.079387221	-2.431667318	1.91093011	-1.27250458	0.203193898	0.998252924
chr17:61271351-61278318	exonic	TANC2	17	61271351	61278318	0	2	0	1	0	6	6967	2.304174636	-2.424574111	2.251624038	-1.076811257	NA	NA
chr1:171492359-171556890	exonic	PRRC2C	1	171492359	171556890	0	0	0	1	3	0	64531	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr1:186862142-186880521	exonic	PLA2G4A	1	186862142	186880521	0	0	0	1	3	0	18379	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr10:7262372-7269899	exonic	SFMBT2	10	7262372	7269899	0	0	0	1	3	0	7527	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr14:45473263-45475470	exonic	FAM179B	14	45473263	45475470	0	0	0	1	3	0	2207	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr14:50611887-50625364	exonic	SOS2	14	50611887	50625364	0	0	0	1	3	0	13477	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924

chr15:50862300-50867986	exonic	TRPM7	15	50862300	50867986	0	0	0	1	3	0	5686	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr15:76168527-76175765	exonic	UBE2Q2	15	76168527	76175765	0	0	0	1	3	0	7238	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr17:27248705-27251320	exonic	PHF12	17	27248705	27251320	0	0	0	1	3	0	2615	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr18:19345732-19378189	exonic	MIB1	18	19345732	19378189	3	2	0	5	1	0	32457	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr18:1966636-203190	exonic	USP14	18	1966636	203190	0	0	0	1	3	0	6554	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr18:2732262-2740819	exonic	SMCHD1	18	2732262	2740819	0	0	0	1	3	0	8557	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr18:76953182-76974038	exonic	ATP9B	18	76953182	76974038	0	0	0	1	3	0	20856	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr19:52364156-52383654	exonic	ZNF577	19	52364156	52383654	0	0	0	1	3	0	19498	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr2:170393736-170401345	exonic	FASTKD1	2	170393736	170401345	0	0	0	1	3	0	7609	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr2:201790558-201800615	exonic	ORC2	2	201790558	201800615	0	0	0	1	3	0	10057	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr2:85625142-85626408	exonic	CAPG	2	85625142	85626408	0	0	0	1	3	0	1266	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr3:136191254-136196254	exonic	STAG1	3	136191254	136196254	0	0	0	1	3	0	5000	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr3:196846280-196869639	exonic	DLG1	3	196846280	196869639	0	0	0	1	3	0	23359	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr5:112336780-112337371	exonic	DCP2	5	112336780	112337371	0	0	0	1	3	0	591	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr5:131006155-131014868	exonic	FNIP1	5	131006155	131014868	0	0	0	1	3	0	8713	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr6:17646297-17649531	exonic	NUP153	6	17646297	17649531	0	0	0	1	3	0	3234	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr7:65444385-65445396	exonic	GUSB	7	65444385	65445396	0	0	0	1	3	0	1011	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr8:131191509-131200429	exonic	ASAP1	8	131191509	131200429	0	0	0	1	3	0	8920	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr9:27009017-27048272	exonic	IFT74	9	27009017	27048272	0	0	0	1	3	0	39255	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chrY:15435434-15438230	exonic	UTY	Y	15435434	15438230	0	0	0	1	3	0	2796	0.469393651	-2.418542578	3.993187854	-0.605667118	0.544735823	0.998252924
chr8:98817580-98837381	exonic	LAPTM4B	8	98817580	98837381	0	1	0	0	3	2	19801	1.153795282	-2.411995729	2.705899	-0.891384242	0.372723069	0.998252924
chr15:59494524-59506919	exonic	LDHAL6B, MYO1E	15	59494524	59506919	0	0	1	0	3	2	12395	1.176788509	-2.411160012	2.690007658	-0.89633946	0.37007149	0.998252924
chr6:135639656-135716034	exonic	AHI1	6	135639656	135716034	0	0	1	0	3	2	76378	1.176788509	-2.411160012	2.690007658	-0.89633946	0.37007149	0.998252924
chr5:132262812-132270633	exonic	AFF4	5	132262812	132270633	0	1	1	4	9	1	7821	2.19425577	-2.40596908	1.906736146	-1.261825914	0.207011435	0.998252924
chr2:114486977-114493435	exonic	SLC35F5	2	114486977	114493435	1	0	0	1	2	2	6458	1.093790389	-2.381026036	2.562274104	-0.929262811	0.352752903	0.998252924
chr1:166831439-166833158	exonic	TADA1	1	166831439	166833158	1	0	0	6	2	0	1719	1.008910097	-2.379290873	2.780048114	-0.855845214	0.392083402	0.998252924
chr11:68369330-68370960	exonic	PPP6R3	11	68369330	68370960	1	0	0	6	2	0	1630	1.008910097	-2.379290873	2.780048114	-0.855845214	0.392083402	0.998252924
chr11:7614362-7631653	exonic	PPFIBP2	11	7614362	7631653	1	0	0	6	2	0	17291	1.008910097	-2.379290873	2.780048114	-0.855845214	0.392083402	0.998252924
chr1:109336203-109342927	exonic	STXBP3	1	109336203	109342927	0	1	0	1	2	2	6724	1.139079245	-2.379038381	2.531997554	-0.939589526	0.347428151	0.998252924
chr12:112087742-112098479	exonic	BRAP	12	112087742	112098479	0	1	0	1	2	2	10737	1.139079245	-2.379038381	2.531997554	-0.939589526	0.347428151	0.998252924
chr1:109167266-109172279	exonic	FAM102B	1	109167266	109172279	0	0	0	2	2	0	5013	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr1:112184775-112185492	intronic	RAP1A	1	112184775	112185492	0	0	0	2	2	0	717	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr1:179955303-179961356	exonic	CEP350	1	179955303	179961356	0	0	0	2	2	0	6053	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr1:204082042-204092932	exonic	SOX13	1	204082042	204092932	0	0	0	2	2	0	10890	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr1:205585606-205597002	exonic	ELK4	1	205585606	205597002	0	0	0	2	2	0	11396	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924

chr1:237532833-237620035	exonic	RYR2	1	237532833	237620035	0	0	0	2	2	0	87202	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr1:51079692-51087181	intronic	FAF1	1	51079692	51087181	0	0	0	2	2	0	7489	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr10:69647174-69651312	exonic	SIRT1	10	69647174	69651312	0	0	0	2	2	0	4138	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr10:73956568-73973089	exonic	ASCC1	10	73956568	73973089	0	0	0	2	2	0	16521	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr11:33117851-33127610	exonic	CSTF3	11	33117851	33127610	0	0	0	2	2	0	9759	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr12:121731003-121731845	intronic	CAMKK2	12	121731003	121731845	0	0	0	2	2	0	842	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr12:124904502-124934413	exonic	NCOR2	12	124904502	124934413	0	0	0	2	2	0	29911	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr12:541031-547720	exonic	CCDC77	12	541031	547720	0	0	0	2	2	0	6689	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr12:69644909-69663448	exonic	CPSF6	12	69644909	69663448	0	0	0	2	2	0	18539	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr12:72020039-72022817	exonic	ZFC3H1	12	72020039	72022817	0	0	0	2	2	0	2778	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr14:75276082-75277123	exonic	YLPM1	14	75276082	75277123	0	0	0	2	2	0	1041	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr16:14687157-14700383	exonic	PARN	16	14687157	14700383	0	0	0	2	2	0	13226	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr16:84132657-84135712	exonic	MBTPS1	16	84132657	84135712	0	0	0	2	2	0	3055	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr17:18768781-18775962	exonic	PRPSAP2	17	18768781	18775962	0	0	0	2	2	0	7181	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr17:36517593-36522300	exonic	SOCS7	17	36517593	36522300	0	0	0	2	2	0	4707	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr17:45447802-45456619	exonic	EFCAB13	17	45447802	45456619	0	0	0	2	2	0	8817	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr18:29412046-29419420	exonic	TRAPPC8	18	29412046	29419420	0	0	0	2	2	0	7374	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr18:54398613-54426184	exonic	WDR7	18	54398613	54426184	0	0	0	2	2	0	27571	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr19:34941169-34955036	exonic	UBA2	19	34941169	34955036	0	0	0	2	3	0	13867	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr19:52380534-52384130	exonic	ZNF577	19	52380534	52384130	0	0	0	2	2	0	3596	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr19:58372744-58374628	UTR3	<small>28939708, 832828, *1228, *1228+3aa, 98, 8022887, *1228, *1228+11aa</small>	19	58372744	58374628	0	0	0	2	2	0	1884	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr19:8601135-8601939	exonic	MYO1F	19	8601135	8601939	0	0	0	2	2	0	804	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr2:198281464-198285266	exonic	SF3B1	2	198281464	198285266	0	0	0	2	2	0	3802	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr2:242346951-242373736	exonic	FARP2	2	242346951	242373736	0	0	0	2	2	0	26785	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr2:26022254-26029206	exonic	ASXL2	2	26022254	26029206	0	0	0	2	2	0	6952	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr2:26587169-26606215	exonic	EPT1	2	26587169	26606215	0	0	0	2	2	0	19046	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr2:29354123-29358532	exonic	CLIP4	2	29354123	29358532	0	0	0	2	2	0	4409	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr21:34931535-34932081	exonic	SON	21	34931535	34932081	0	0	0	2	2	0	546	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr22:32154531-32164849	exonic	DEPDC5	22	32154531	32164849	0	0	0	2	2	0	10318	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr3:179408028-179424864	exonic	USP13	3	179408028	179424864	0	0	0	2	2	0	16836	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr3:41990724-41991034	intronic	ULK4	3	41990724	41991034	0	0	0	2	2	0	310	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr3:56599666-56601081	exonic	CCDC66	3	56599666	56601081	0	0	0	2	2	0	1415	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr3:89390065-89391240	exonic	EPHA3	3	89390065	89391240	0	0	0	2	2	0	1175	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr4:128958326-128958615	intergenic	<small>ABHD18 (dist=5871), LARP1B (dist=23806)</small>	4	128958326	128958615	0	0	0	2	2	0	289	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr4:39871013-39891984	exonic	PDS5A	4	39871013	39891984	0	0	0	2	2	0	20971	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924

chr5:133715245-133715701	intronic	UBE2B	5	133715245	133715701	0	0	0	2	2	0	456	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr5:78964714-78977884	exonic	PAPD4	5	78964714	78977884	0	0	0	2	2	0	13170	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr5:88201026-88261732	ncRNA_exonic	MEF2C-AS1	5	88201026	88261732	0	0	0	2	2	0	60706	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr6:106727535-106756366	exonic	ATG5	6	106727535	106756366	0	0	0	2	2	0	28831	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr7:91708392-91709466	exonic	AKAP9	7	91708392	91709466	0	0	0	2	2	0	1074	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr8:28827559-28876430	exonic	HMBOX1	8	28827559	28876430	0	0	0	2	2	0	48871	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr8:67484716-67485741	exonic	MYBL1	8	67484716	67485741	0	0	0	2	2	0	1025	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr9:111843118-111870850	exonic	TMEM245	9	111843118	111870850	0	0	0	2	2	0	27732	0.454677614	-2.376612476	4.003913481	-0.593572385	0.552798155	0.998252924
chr9:19286766-19305525	exonic	DENND4C	9	19286766	19305525	1	1	1	4	10	3	18759	3.060707352	-2.365289974	1.582508502	-1.494645982	0.135006859	0.998252924
chr19:58374733-58375127	UTR3	<small>20190708_020201_c1222_40504612461.58_0022007_c1222_40504612461</small>	19	58374733	58375127	3	4	0	0	10	15	394	6.917617375	-2.360094261	1.482459873	-1.592012239	0.111381955	0.998252924
chr18:66678171-66721370	exonic	CCDC102B	18	66678171	66721370	3	0	0	9	0	4	43199	2.57663773	-2.357251853	2.047190976	-1.151456743	NA	NA
chr15:42957450-42961535	exonic	STARD9	15	42957450	42961535	1	0	0	7	1	0	4085	0.994194061	-2.355536832	2.828597021	-0.832758012	NA	NA
chr2:167328826-167334220	exonic	SCN7A	2	167328826	167334220	1	0	0	7	1	0	5394	0.994194061	-2.355536832	2.828597021	-0.832758012	NA	NA
chr13:76391296-76398009	exonic	LMO7	13	76391296	76398009	0	1	0	3	0	2	6713	1.109647172	-2.344556195	2.735076691	-0.857217716	0.391324573	0.998252924
chr9:125616230-125622410	exonic	RC3H2	9	125616230	125622410	0	1	0	3	0	2	6180	1.109647172	-2.344556195	2.735076691	-0.857217716	0.391324573	0.998252924
chr4:129857809-129880932	exonic	SCLT1	4	129857809	129880932	0	0	1	3	0	2	23123	1.132640399	-2.343680218	2.718152732	-0.862232718	0.388559469	0.998252924
chr14:103865288-103871604	exonic	MARK3	14	103865288	103871604	2	0	0	5	7	0	6316	1.636722764	-2.337659165	2.341327226	-0.998433341	0.318069273	0.998252924
chr1:114362198-114377061	exonic	PTPN22	1	114362198	114377061	0	0	0	3	1	0	14863	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr1:205238077-205239012	exonic	TMCC2	1	205238077	205239012	0	0	0	3	1	0	935	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr1:31478699-31479949	exonic	PUM1	1	31478699	31479949	0	0	0	3	1	0	1250	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr1:67098752-67109402	exonic	SGIP1	1	67098752	67109402	0	0	0	3	1	0	10650	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr1:84369761-84412965	exonic	TTL7	1	84369761	84412965	0	0	0	3	1	0	43204	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr1:8601272-8716500	exonic	RERE	1	8601272	8716500	0	0	0	3	1	0	115228	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr10:128768965-128851079	exonic	DOCK1	10	128768965	128851079	0	0	0	3	1	0	82114	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr10:34648074-34649187	exonic	PARD3	10	34648074	34649187	0	0	0	3	1	0	1113	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr10:70514470-70517134	exonic	CCAR1	10	70514470	70517134	0	0	0	3	1	0	2664	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr10:7409610-7412337	exonic	SFMBT2	10	7409610	7412337	0	0	0	3	1	0	2727	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr11:118625413-118629611	exonic	DDX6	11	118625413	118629611	0	0	0	3	1	0	4198	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr12:102173929-102182367	exonic	GNPTAB	12	102173929	102182367	0	0	0	3	1	0	8438	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr12:122973932-122977336	exonic	ZCCHC8	12	122973932	122977336	0	0	0	3	1	0	3404	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr12:20769163-20787990	exonic	PDE3A	12	20769163	20787990	0	0	0	3	1	0	18827	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr12:26864105-26878698	exonic	ITPR2	12	26864105	26878698	0	0	0	3	1	0	14593	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr12:40704232-40717108	exonic	LRRK2	12	40704232	40717108	0	0	0	3	1	0	12876	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr12:56182858-56194684	exonic	SARNP	12	56182858	56194684	0	0	0	3	1	0	11826	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr14:50611887-50612314	exonic	SOS2	14	50611887	50612314	0	0	0	3	1	0	427	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924

chr14:56746393-56757174	exonic	PELI2	14	56746393	56757174	0	0	0	3	1	0	10781	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr15:43122135-43170882	exonic	TTBK2	15	43122135	43170882	0	0	0	3	1	0	48747	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr15:43348541-43351390	exonic	UBR1	15	43348541	43351390	0	0	0	3	1	0	2849	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr15:68434627-68457142	exonic	PIAS1	15	68434627	68457142	0	0	0	3	1	0	22515	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr17:28593902-28613920	exonic	BLMH	17	28593902	28613920	0	0	0	3	1	0	20018	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr19:56918394-56925809	exonic	ZNF583	19	56918394	56925809	0	0	0	3	1	0	7415	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr2:109111746-109113565	exonic	GCC2	2	109111746	109113565	0	0	0	3	1	0	1819	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr2:135887564-135911446	exonic	RAB3GAP1	2	135887564	135911446	0	0	0	3	1	0	23882	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr3:132202218-132203516	exonic	DNAJC13	3	132202218	132203516	0	0	0	3	1	0	1298	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr3:196626536-196630481	exonic	SENP5	3	196626536	196630481	0	0	0	3	1	0	3945	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr3:44986659-45000952	exonic	ZDHC3	3	44986659	45000952	0	0	0	3	1	0	14293	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr3:58111307-58112489	exonic	FLNB	3	58111307	58112489	0	0	0	3	1	0	1182	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr3:67546221-67579610	exonic	SUCLG2	3	67546221	67579610	0	0	0	3	1	0	33389	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr4:170398274-170430003	exonic	NEK1	4	170398274	170430003	0	0	0	3	1	0	31729	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr5:133871547-133887899	exonic	JADE2	5	133871547	133887899	0	0	0	3	1	0	16352	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr5:141511372-141524241	exonic	NDFIP1	5	141511372	141524241	0	0	0	3	1	0	12869	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr5:73128162-73154044	exonic	ARHGEF28	5	73128162	73154044	0	0	0	3	1	0	25882	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr5:87577858-87588460	ncRNA_exonic	TMEM161B-AS1	5	87577858	87588460	0	0	0	3	1	0	10602	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr6:36181656-36182163	exonic	BRPF3	6	36181656	36182163	0	0	0	3	1	0	507	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr7:80439926-80458061	exonic	SEMA3C	7	80439926	80458061	0	0	0	3	1	0	18135	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr8:92982885-92988201	exonic	RUNX1T1	8	92982885	92988201	0	0	0	3	1	0	5316	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr9:111812562-111835718	exonic	TMEM245	9	111812562	111835718	0	0	0	3	1	0	23156	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr9:131362358-131367756	exonic	SPTAN1	9	131362358	131367756	0	0	0	3	1	0	5398	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr9:2096656-2123937	exonic	SMARCA2	9	2096656	2123937	0	0	0	3	1	0	27281	0.439961577	-2.337071456	4.00605617	-0.583384595	0.559634426	0.998252924
chr1:2880065-28807116	exonic	PHACTR4	1	2880065	28807116	1	2	0	9	0	5	7051	2.975434051	-2.330644963	1.84977454	-1.25996164	0.2076832	0.998252924
chr4:39739039-39779430	exonic	UBE2K	4	39739039	39779430	3	0	0	0	3	1	40391	1.012910587	-2.31857833	2.591607641	-0.89464867	0.370974926	0.998252924
chr18:19345732-19379935	exonic	MIB1	18	19345732	19379935	3	2	0	5	1	1	34203	1.058199444	-2.318420595	2.557381028	-0.906560489	0.364639264	0.998252924
chr12:97886239-97954825	ncRNA_exonic	RMST	12	97886239	97954825	11	3	0	30	54	0	68586	11.6665061	-2.315306447	2.009401838	-1.152236652	0.24922384	0.998252924
chr15:59179173-59179739	exonic	SLTM	15	59179173	59179739	2	0	0	7	5	0	566	1.607290691	-2.309917806	2.351956574	-0.982126044	0.326037756	0.998252924
chr12:121220457-121229360	exonic	SPPL3	12	121220457	121229360	0	0	1	0	7	0	8903	1.044460978	-2.307131243	3.033316593	-0.760596915	NA	NA
chr15:51017417-51023236	exonic	SPPL2A	15	51017417	51023236	0	0	1	0	7	0	5819	1.044460978	-2.307131243	3.033316593	-0.760596915	NA	NA
chr8:17513371-17613470	exonic	MTUS1	8	17513371	17613470	0	1	0	0	7	0	100099	1.021467752	-2.306475489	3.055485714	-0.754863778	NA	NA
chr14:92174484-92195823	exonic	CATSPERB	14	92174484	92195823	1	0	0	0	7	0	21339	0.976178895	-2.305120007	3.102922588	-0.742886728	NA	NA
chr1:10032076-10041228	exonic	NMNAT1	1	10032076	10041228	0	0	0	4	0	0	9152	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:10380101-10436734	exonic	KIF1B	1	10380101	10436734	0	0	0	4	0	0	56633	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA

chr1:10407818-10408791	exonic	KIF1B	1	10407818	10408791	0	0	0	4	0	0	973	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:116928684-116939986	exonic	ATP1A1	1	116928684	116939986	0	0	0	4	0	0	11302	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:1496712-1500296	exonic	SSU72	1	1496712	1500296	0	0	0	4	0	0	3584	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:150997086-151001420	exonic	PRUNE	1	150997086	151001420	0	0	0	4	0	0	4334	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:15361244-15370655	exonic	KAZN	1	15361244	15370655	0	0	0	4	0	0	9411	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:155631098-155747611	exonic	DAP3, GON4L, YY1AP1	1	155631098	155747611	0	0	0	4	0	0	116513	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:2066701-2106752	exonic	PRKCZ	1	2066701	2106752	0	0	0	4	0	0	40051	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:207989274-207990759	upstream	LOC148696(dist=965)	1	207989274	207990759	0	0	0	4	0	0	1485	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:215531891-215542370	intergenic	KCNK2(dist=121455), KCTD3(dist=198365)	1	215531891	215542370	0	0	0	4	0	0	10479	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:21573713-21585332	exonic	ECE1	1	21573713	21585332	0	0	0	4	0	0	11619	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:28075578-28081841	exonic	FAM76A	1	28075578	28081841	0	0	0	4	0	0	6263	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:39476999-39478107	intergenic	AKR1N1(dist=5262), NDUFS5(dist=13860)	1	39476999	39478107	0	0	0	4	0	0	1108	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:39752957-39753234	exonic	MACF1	1	39752957	39753234	0	0	0	4	0	0	277	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:62905469-62907970	exonic	USP1	1	62905469	62907970	0	0	0	4	0	0	2501	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:76194085-76216231	exonic	ACADM	1	76194085	76216231	0	0	0	4	0	0	22146	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr1:94643167-94649844	exonic	ARHGAP29	1	94643167	94649844	0	0	0	4	0	0	6677	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:123718838-123721032	exonic	NSMCE4A	10	123718838	123721032	0	0	0	4	0	0	2194	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:126381962-126391723	exonic	FAM53B	10	126381962	126391723	0	0	0	4	0	0	9761	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:133747962-133761295	exonic	PPP2R2D	10	133747962	133761295	0	0	0	4	0	0	13333	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:15600072-15634303	exonic	ITGA8	10	15600072	15634303	0	0	0	4	0	0	34231	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:15628582-15639298	exonic	ITGA8	10	15628582	15639298	0	0	0	4	0	0	10716	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:24508555-24511384	exonic	KIAA1217	10	24508555	24511384	0	0	0	4	0	0	2829	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:27962889-27964483	exonic	MKX	10	27962889	27964483	0	0	0	4	0	0	1594	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:31197861-31273355	UTR5		10	31197861	31273355	0	0	0	4	0	0	75494	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:31644073-31676195	intronic	ZEB1	10	31644073	31676195	0	0	0	4	0	0	32122	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:70282495-70282956	intronic	SLC25A16	10	70282495	70282956	0	0	0	4	0	0	461	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr10:75331179-75336379	exonic	USP54	10	75331179	75336379	0	0	0	4	0	0	5200	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr11:112070422-112088612	exonic	BCO2	11	112070422	112088612	0	0	0	4	0	0	18190	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr11:120328430-120343836	exonic	ARHGEF12	11	120328430	120343836	0	0	0	4	0	0	15406	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr11:125330393-125333466	exonic	FEZ1	11	125330393	125333466	0	0	0	4	0	0	3073	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr11:17899754-18029623	exonic	SERGEF	11	17899754	18029623	0	0	0	4	0	0	129869	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr12:111951160-111957880	exonic	ATXN2	12	111951160	111957880	0	0	0	4	0	0	6720	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr12:6991360-6993083	upstream	DSTNP2, RPL13P5(dist=62)	12	6991360	6993083	0	0	0	4	0	0	1723	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr12:94603365-94618091	exonic	PLXNC1	12	94603365	94618091	0	0	0	4	0	0	14726	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr13:103459495-103474509	exonic	BIVM, BIVM-ERCC5	13	103459495	103474509	0	0	0	4	0	0	15014	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA

chr13:28840851-28845003	exonic	PAN3	13	28840851	28845003	0	0	0	4	0	0	4152	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr13:33052024-33101669	exonic	N4BP2L2	13	33052024	33101669	0	0	0	4	0	0	49645	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr13:98798024-98798577	intronic	FARP1	13	98798024	98798577	0	0	0	4	0	0	553	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr14:102659800-102664184	exonic	WDR20	14	102659800	102664184	0	0	0	4	0	0	4384	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr14:25443871-25446449	exonic	STXBP6	14	25443871	25446449	0	0	0	4	0	0	2578	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr14:39646615-39647120	exonic	PNN	14	39646615	39647120	0	0	0	4	0	0	505	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr14:40111917-40125012	intergenic	<small>FR3033 (611+210213), LOC64819 (611+129890)</small>	14	40111917	40125012	0	0	0	4	0	0	13095	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr14:50190591-50192487	exonic	KLHDC1	14	50190591	50192487	0	0	0	4	0	0	1896	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr14:75264282-75269379	exonic	YLP1	14	75264282	75269379	0	0	0	4	0	0	5097	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr15:59323002-59368414	exonic	RNF111	15	59323002	59368414	0	0	0	4	0	0	45412	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr15:64227601-64228596	ncRNA_exonic	LOC101928988	15	64227601	64228596	0	0	0	4	0	0	995	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr15:66599162-66601182	exonic	DIS3L	15	66599162	66601182	0	0	0	4	0	0	2020	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr15:77656416-77657567	intronic	PEAK1	15	77656416	77657567	0	0	0	4	0	0	1151	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr16:16103632-16110478	exonic	ABCC1	16	16103632	16110478	0	0	0	4	0	0	6846	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr16:23403700-23428442	exonic	COG7	16	23403700	23428442	0	0	0	4	0	0	24742	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr16:31372384-31374695	exonic	ITGAX	16	31372384	31374695	0	0	0	4	0	0	2311	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr16:49764682-49765372	exonic	ZNF423	16	49764682	49765372	0	0	0	4	0	0	690	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr16:68127259-68160513	exonic	NFATC3	16	68127259	68160513	0	0	0	4	0	0	33254	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr16:73006050-73029948	intronic	ZFHX3	16	73006050	73029948	0	0	0	4	0	0	23898	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr17:19213197-19232960	exonic	EPN2	17	19213197	19232960	0	0	0	4	0	0	19763	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr17:65870932-65871860	exonic	BPTF	17	65870932	65871860	0	0	0	4	0	0	928	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr17:66518897-66521099	exonic	PRKAR1A	17	66518897	66521099	0	0	0	4	0	0	2202	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr17:74283272-74283978	exonic	QRICH2	17	74283272	74283978	0	0	0	4	0	0	706	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr17:9395145-9408479	exonic	STX8	17	9395145	9408479	0	0	0	4	0	0	13334	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr18:77455224-77464917	exonic	CTDP1	18	77455224	77464917	0	0	0	4	0	0	9693	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:17273797-17278874	exonic	MYO9B	19	17273797	17278874	0	0	0	4	0	0	5077	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:22167230-22171711	exonic	ZNF208	19	22167230	22171711	0	0	0	4	0	0	4481	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:23527784-23545527	exonic	ZNF91	19	23527784	23545527	0	0	0	4	0	0	17743	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:45901263-45901597	exonic	PPP1R13L	19	45901263	45901597	0	0	0	4	0	0	334	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:46823699-46838243	exonic	HIF3A	19	46823699	46838243	0	0	0	4	0	0	14544	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:50500761-50501271	exonic	VRK3	19	50500761	50501271	0	0	0	4	0	0	510	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr19:57088081-57089646	exonic	ZNF470	19	57088081	57089646	0	0	0	4	0	0	1565	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:144899449-145077435	exonic	GTDC1	2	144899449	145077435	0	0	0	4	0	0	177986	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:170802797-170917953	exonic	UBR3	2	170802797	170917953	0	0	0	4	0	0	115156	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:232070910-232160966	exonic	ARMC9	2	232070910	232160966	0	0	0	4	0	0	90056	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA

chr2:238617187-238629465	exonic	LRRFIP1	2	238617187	238629465	0	0	0	4	0	0	12278	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:242079935-242080168	exonic	PASK	2	242079935	242080168	0	0	0	4	0	0	233	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:24962300-24975025	exonic	NCOA1	2	24962300	24975025	0	0	0	4	0	0	12725	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:61406116-61451977	exonic	AHSA2, USP34	2	61406116	61451977	0	0	0	4	0	0	45861	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:61601102-61601934	intronic	USP34	2	61601102	61601934	0	0	0	4	0	0	832	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:7160603-7170346	exonic	RNF144A	2	7160603	7170346	0	0	0	4	0	0	9743	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:9458652-9468040	exonic	ASAP2	2	9458652	9468040	0	0	0	4	0	0	9388	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:96579856-96581919	exonic	ANKRD36C	2	96579856	96581919	0	0	0	4	0	0	2063	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr2:97852935-97877478	exonic	ANKRD36	2	97852935	97877478	0	0	0	4	0	0	24543	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr20:1433137-1435777	exonic	NSFL1C	20	1433137	1435777	0	0	0	4	0	0	2640	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr20:58322812-58330419	exonic	PHACTR3	20	58322812	58330419	0	0	0	4	0	0	7607	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr21:34906884-34911662	exonic	GART	21	34906884	34911662	0	0	0	4	0	0	4778	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr21:35475134-35497780	exonic	MRPS6	21	35475134	35497780	0	0	0	4	0	0	22646	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr21:46591524-46605006	exonic	ADARB1	21	46591524	46605006	0	0	0	4	0	0	13482	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr22:25905150-25906875	intergenic	<small>CRYBB2P1 (dist=47505), ADRBK2 (dist=53986)</small>	22	25905150	25906875	0	0	0	4	0	0	1725	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr22:28490067-28504391	exonic	TTC28	22	28490067	28504391	0	0	0	4	0	0	14324	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr22:40752114-40753870	intronic	ADSL	22	40752114	40753870	0	0	0	4	0	0	1756	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:113077592-113085156	exonic	CFAP44	3	113077592	113085156	0	0	0	4	0	0	7564	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:123366071-123368041	exonic	MYLK	3	123366071	123368041	0	0	0	4	0	0	1970	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:130340665-130353469	exonic	COL6A6	3	130340665	130353469	0	0	0	4	0	0	12804	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:14860463-14863103	exonic	FGD5	3	14860463	14863103	0	0	0	4	0	0	2640	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:155267575-155314167	exonic	PLCH1	3	155267575	155314167	0	0	0	4	0	0	46592	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:56771212-56779490	exonic	ARHGEF3	3	56771212	56779490	0	0	0	4	0	0	8278	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr3:66286967-66313803	exonic	SLC25A26	3	66286967	66313803	0	0	0	4	0	0	26836	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr4:100200583-100229021	exonic	ADH1A, ADH1B	4	100200583	100229021	0	0	0	4	0	0	28438	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr4:106377405-106377902	exonic	PPA2	4	106377405	106377902	0	0	0	4	0	0	497	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr4:144354643-144361535	exonic	GAB1	4	144354643	144361535	0	0	0	4	0	0	6892	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr4:724418-738476	exonic	PCGF3	4	724418	738476	0	0	0	4	0	0	14058	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr4:88362980-88372887	exonic	NUDT9	4	88362980	88372887	0	0	0	4	0	0	9907	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:122435348-122506802	exonic	PRDM6	5	122435348	122506802	0	0	0	4	0	0	71454	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:142393645-142437312	exonic	ARHGAP26	5	142393645	142437312	0	0	0	4	0	0	43667	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:145176004-145202697	exonic	PRELID2	5	145176004	145202697	0	0	0	4	0	0	26693	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:148340480-148349847	intergenic	<small>ADRB2 (dist=132283), SH3TC2 (dist=1886)</small>	5	148340480	148349847	0	0	0	4	0	0	9367	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:153429117-153433649	exonic	MFAP3	5	153429117	153433649	0	0	0	4	0	0	4532	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:31448653-31472339	exonic	DROSHA	5	31448653	31472339	0	0	0	4	0	0	23686	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA

chr5:71752230-71757337	exonic	ZNF366	5	71752230	71757337	0	0	0	4	0	0	5107	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr5:96437463-96438798	intronic	LIX1	5	96437463	96438798	0	0	0	4	0	0	1335	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:10894099-10898348	exonic	SYCP2L	6	10894099	10898348	0	0	0	4	0	0	4249	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:129959538-129963163	exonic	ARHGAP18	6	129959538	129963163	0	0	0	4	0	0	3625	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:144852187-144864006	exonic	UTRN	6	144852187	144864006	0	0	0	4	0	0	11819	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:160461591-160471684	exonic	IGF2R	6	160461591	160471684	0	0	0	4	0	0	10093	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:55966270-56021747	exonic	COL21A1	6	55966270	56021747	0	0	0	4	0	0	55477	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:56513367-56535605	exonic	DST	6	56513367	56535605	0	0	0	4	0	0	22238	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:62362160-62390965	exonic	KHDRBS2	6	62362160	62390965	0	0	0	4	0	0	28805	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:62362160-62407158	exonic	KHDRBS2	6	62362160	62407158	0	0	0	4	0	0	44998	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:83667030-83748204	exonic	UBE3D	6	83667030	83748204	0	0	0	4	0	0	81174	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr6:97715747-97720938	exonic	MMS22L	6	97715747	97720938	0	0	0	4	0	0	5191	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:104638448-104645543	intergenic	LINC01004 (dist=6836), KMT2E-AS1 (dist=5446)	7	104638448	104645543	0	0	0	4	0	0	7095	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:128214774-128232071	intergenic	METTL2B (dist=71796), LINC01000 (dist=49224)	7	128214774	128232071	0	0	0	4	0	0	17297	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:135705449-135715781	intergenic	MIPN (dist=43245), CHR22 (dist=837618)	7	135705449	135715781	0	0	0	4	0	0	10332	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:143257371-143318113	exonic	CTAGE15	7	143257371	143318113	0	0	0	4	0	0	60742	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:158672374-158698782	exonic	WDR60	7	158672374	158698782	0	0	0	4	0	0	26408	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:2477439-2478965	ncRNA_exonic	LOC101927181	7	2477439	2478965	0	0	0	4	0	0	1526	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:50358644-50450405	exonic	IKZF1	7	50358644	50450405	0	0	0	4	0	0	91761	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:56150971-56151408	exonic	PHKG1	7	56150971	56151408	0	0	0	4	0	0	437	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr7:889560-906793	exonic	SUN1	7	889560	906793	0	0	0	4	0	0	17233	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr8:29959414-29964359	exonic	LEPROTL1	8	29959414	29964359	0	0	0	4	0	0	4945	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr8:38947565-38948865	exonic	ADAM9	8	38947565	38948865	0	0	0	4	0	0	1300	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr8:42256229-42260979	exonic	VDAC3	8	42256229	42260979	0	0	0	4	0	0	4750	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr8:42876153-42876541	UTR3	HOOK3 (NM_032410:c. *2512_ *2900delins0)	8	42876153	42876541	0	0	0	4	0	0	388	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr8:71495398-71510490	exonic	TRAM1	8	71495398	71510490	0	0	0	4	0	0	15092	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr9:131221845-131223346	exonic	ODF2	9	131221845	131223346	0	0	0	4	0	0	1501	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr9:134274095-134277637	intergenic	PLPP7 (dist=89446), PRRC2B (dist=27840)	9	134274095	134277637	0	0	0	4	0	0	3542	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr9:22820736-22821597	ncRNA_exonic	LINC01239	9	22820736	22821597	0	0	0	4	0	0	861	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr9:33948371-33996331	exonic	UBAP2	9	33948371	33996331	3	3	0	8	5	3	47960	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr9:72333253-72365866	exonic	PTARI	9	72333253	72365866	0	0	0	4	0	0	32613	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chrX:15473970-15477863	exonic	PIR	X	15473970	15477863	0	0	0	4	0	0	3893	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chrX:8536272-8538745	exonic	ANOS1	X	8536272	8538745	0	0	0	4	0	0	2473	0.425245541	-2.30189363	4.007193468	-0.574440353	NA	NA
chr8:28570973-28575724	exonic	EXTL3	8	28570973	28575724	0	1	0	3	2	1	4751	1.043483407	-2.295437451	2.566860392	-0.894258784	0.371183447	0.998252924
chr7:104678572-104681470	exonic	KMT2E	7	104678572	104681470	1	1	1	7	2	5	2898	3.027859351	-2.2953285	1.620226719	-1.416671181	0.156579086	0.998252924

chr3:132400757-132411662	exonic	NPHP3	3	132400757	132411662	0	1	0	1	6	0	10905	1.006751715	-2.291581982	2.821973463	-0.812049444	NA	NA
chr2:190584297-190585513	exonic	ANKAR	2	190584297	190585513	2	0	0	0	11	0	1216	1.589275525	-2.288652365	2.646473889	-0.864793102	NA	NA
chr3:67546221-67559327	exonic	SUCLG2	3	67546221	67559327	4	1	2	17	12	7	13106	6.501914492	-2.286189281	1.144077028	-1.998282655	0.045686025	0.998252924
chr19:11223953-11224438	exonic	LDLR	19	11223953	11224438	1	0	0	0	0	3	485	1.053642769	-2.281457385	3.068990874	-0.743390084	NA	NA
chr22:29095825-29121355	exonic	CHEK2	22	29095825	29121355	1	0	0	0	0	3	25530	1.053642769	-2.281457385	3.068990874	-0.743390084	NA	NA
chr5:172359438-172362313	exonic	ERGIC1	5	172359438	172362313	1	0	0	0	0	3	2875	1.053642769	-2.281457385	3.068990874	-0.743390084	NA	NA
chr6:20781375-21065459	exonic	CDKAL1	6	20781375	21065459	1	0	0	0	0	3	284084	1.053642769	-2.281457385	3.068990874	-0.743390084	NA	NA
chr7:26235466-26237486	exonic	HNRNPA2B1	7	26235466	26237486	1	0	0	0	0	3	2020	1.053642769	-2.281457385	3.068990874	-0.743390084	NA	NA
chr9:33944362-33963789	exonic	UBAP2	9	33944362	33963789	1	0	0	0	0	3	19427	1.053642769	-2.281457385	3.068990874	-0.743390084	NA	NA
chr21:38480691-38512973	exonic	TTC3	21	38480691	38512973	0	1	0	0	0	3	32282	1.098931625	-2.277870602	3.027098768	-0.75249299	NA	NA
chr4:128564675-128609022	exonic	INTU	4	128564675	128609022	0	1	0	0	0	3	44347	1.098931625	-2.277870602	3.027098768	-0.75249299	NA	NA
chr10:103558598-103573363	exonic	MGEA5	10	103558598	103573363	0	0	1	0	0	3	14765	1.121924852	-2.276127584	3.007506654	-0.756815477	NA	NA
chr3:172499952-172504364	exonic	ECT2	3	172499952	172504364	0	0	1	0	0	3	4412	1.121924852	-2.276127584	3.007506654	-0.756815477	NA	NA
chr5:65342180-65350779	exonic	ERBB2IP	5	65342180	65350779	0	0	1	0	0	3	8599	1.121924852	-2.276127584	3.007506654	-0.756815477	NA	NA
chr5:74842834-74882883	exonic	POLK	5	74842834	74882883	0	0	1	0	0	3	40049	1.121924852	-2.276127584	3.007506654	-0.756815477	NA	NA
chr2:136505836-136533921	exonic	UBXN4	2	136505836	136533921	0	0	2	1	2	5	28085	2.283997324	-2.272515078	2.059459481	-1.103452192	NA	NA
chr7:77236551-77256992	exonic	PTPN12	7	77236551	77256992	0	0	1	2	5	0	20441	1.015028905	-2.270459014	2.779180183	-0.816952793	0.413955406	0.998252924
chr15:50929618-50955243	exonic	TRPM7	15	50929618	50955243	1	0	0	2	5	0	25625	0.946746822	-2.267782651	2.843185087	-0.797620479	0.425090763	0.998252924
chr4:113483526-113511030	exonic	ZGRF1	4	113483526	113511030	1	0	0	2	5	0	27504	0.946746822	-2.267782651	2.843185087	-0.797620479	0.425090763	0.998252924
chr20:34300940-34313077	exonic	RBM39	20	34300940	34313077	0	0	2	3	9	1	12137	2.110937611	-2.251409047	2.030296454	-1.108906555	NA	NA
chr12:110565164-110584853	exonic	IFT81	12	110565164	110584853	0	1	1	3	4	3	19689	2.099244494	-2.250433656	1.916411883	-1.174295399	0.240276726	0.998252924
chr6:83728691-83754378	exonic	UBE3D	6	83728691	83754378	1	0	0	5	0	1	25687	0.968762477	-2.248485107	2.865428834	-0.784694102	0.432632942	0.998252924
chr19:46832463-46834530	exonic	HIF3A	19	46832463	46834530	2	0	0	12	0	0	2067	1.533710507	-2.23976275	2.667412689	-0.839676125	NA	NA
chr12:101790176-101799759	exonic	ARL1	12	101790176	101799759	2	0	0	5	4	1	9583	1.581859107	-2.235983972	2.210757045	-1.01141099	0.311819763	0.998252924
chr11:124517260-124518071	exonic	SIAE	11	124517260	124518071	2	0	0	4	7	0	811	1.530411379	-2.225435629	2.396083206	-0.928780613	0.353002794	0.998252924
chr5:68553869-68558131	exonic	CDK7	5	68553869	68558131	1	1	0	2	1	4	4262	1.869787369	-2.224198242	2.071455466	-1.073736935	NA	NA
chr20:45874751-45878183	exonic	ZMYND8	20	45874751	45878183	0	0	1	4	3	0	3432	0.985596831	-2.223306699	2.791696078	-0.796399979	0.42579959	0.998252924
chr16:249060-258187	exonic	LUC7L	16	249060	258187	0	1	0	4	3	0	9127	0.962603605	-2.22230553	2.813083535	-0.789989171	0.429534092	0.998252924
chr2:61575004-61577828	exonic	USP34	2	61575004	61577828	1	0	0	4	3	0	2824	0.917314749	-2.220231851	2.859043544	-0.776564546	0.437415726	0.998252924
chr2:99802639-99812219	exonic	MRPL30	2	99802639	99812219	2	0	0	5	6	0	9580	1.515695342	-2.210422513	2.396957953	-0.922178259	0.356435601	0.998252924
chr21:34787194-34805178	exonic	IFNGR2	21	34787194	34805178	1	0	0	0	2	2	17984	0.987479004	-2.204146991	2.855902904	-0.771786389	0.440240954	0.998252924
chr17:11984672-11999011	exonic	MAP2K4	17	11984672	11999011	0	1	0	0	2	2	14339	1.03276786	-2.201516034	2.815332789	-0.781973642	0.434230064	0.998252924
chr12:56824664-56826308	exonic	TIMELESS	12	56824664	56826308	0	0	1	0	2	2	1644	1.055761087	-2.200242102	2.796430717	-0.786803724	0.431396773	0.998252924
chr2:61295983-61297635	exonic	KIAA1841	2	61295983	61297635	0	0	1	0	2	2	1652	1.055761087	-2.200242102	2.796430717	-0.786803724	0.431396773	0.998252924
chr4:6995910-7002978	exonic	TBC1D14	4	6995910	7002978	0	2	0	2	4	3	7068	1.969939882	-2.19996079	2.068531066	-1.063537708	0.287538174	0.998252924

chr17:34864900-34867294	exonic	MYO19	17	34864900	34867294	0	1	0	5	2	0	2394	0.947887568	-2.197248549	2.838023365	-0.774217921	0.438801932	0.998252924
chr17:36517593-36523933	exonic	SOCS7	17	36517593	36523933	1	0	0	5	2	0	6340	0.902598712	-2.195078801	2.88499623	-0.760860197	0.446740574	0.998252924
chr4:1902352-1920350	exonic	WHSC1	4	1902352	1920350	1	1	0	2	3	3	17998	1.803623604	-2.194719041	2.033478789	-1.079292812	0.280457216	0.998252924
chr1:155691307-155695810	exonic	DAP3	1	155691307	155695810	0	1	1	5	6	1	4503	1.93748489	-2.181890936	1.959658656	-1.113403566	0.265535144	0.998252924
chr9:127660827-127662826	exonic	GOLGA1	9	127660827	127662826	0	0	1	6	1	0	1999	0.956164758	-2.171739136	2.863815788	-0.758337581	NA	NA
chr1:1735857-1747301	exonic	GNB1	1	1735857	1747301	4	0	3	18	15	4	11444	6.069645542	-2.171604637	1.227817696	-1.768670255	0.076948919	0.998252924
chr1:1735857-1749314	exonic	GNB1	1	1735857	1749314	4	0	3	18	15	4	13457	6.069645542	-2.171604637	1.227817696	-1.768670255	0.076948919	0.998252924
chr2:53941520-53943880	exonic	ASB3, GPR75-ASB3	2	53941520	53943880	0	1	0	6	1	0	2360	0.933171532	-2.170671743	2.88611813	-0.752107726	NA	NA
chr10:105199502-105200607	exonic	PDCD11	10	105199502	105200607	0	0	2	14	1	0	1105	2.003924865	-2.168838156	2.26844037	-0.956092205	NA	NA
chr2:100623093-100628033	exonic	AFF3	2	100623093	100628033	1	0	0	6	1	0	4940	0.887882675	-2.168462167	2.934042606	-0.739069761	NA	NA
chr2:188223789-188250358	exonic	CALCRL	2	188223789	188250358	1	0	0	6	1	0	26569	0.887882675	-2.168462167	2.934042606	-0.739069761	NA	NA
chr20:47707278-47711500	exonic	CSE1L	20	47707278	47711500	1	0	0	6	1	0	4222	0.887882675	-2.168462167	2.934042606	-0.739069761	NA	NA
chr7:27824781-27825108	exonic	TAX1BP1	7	27824781	27825108	1	0	0	1	1	2	327	0.972762967	-2.165496715	2.686025871	-0.806208436	0.420122676	0.998252924
chr16:27222467-27226329	exonic	KDM8	16	27222467	27226329	2	0	0	8	3	0	3862	1.471547232	-2.164773302	2.431192418	-0.890416277	0.373242405	0.998252924
chr2:120885263-120903865	exonic	EPB41L5	2	120885263	120903865	2	0	0	8	3	0	18602	1.471547232	-2.164773302	2.431192418	-0.890416277	0.373242405	0.998252924
chr10:47232155-47234518	ncRNA_exonic	BMS1P6	10	47232155	47234518	0	0	1	1	1	2	2363	1.04104505	-2.161098055	2.633243341	-0.820698194	0.4118182	0.998252924
chr7:90001468-90007525	exonic	GTPBP10	7	90001468	90007525	0	0	1	1	1	2	6057	1.04104505	-2.161098055	2.633243341	-0.820698194	0.4118182	0.998252924
chr11:85723323-85742653	exonic	PICALM	11	85723323	85742653	1	0	0	0	4	1	19330	0.921315239	-2.15034103	2.920117813	-0.73638845	0.461494332	0.998252924
chr13:96485180-96489456	exonic	UGGT2	13	96485180	96489456	3	0	2	4	4	9	4276	4.464821586	-2.148768914	1.471447614	-1.460309489	NA	NA
chr14:31602443-31641328	exonic	HECTD1	14	31602443	31641328	0	0	1	5	3	0	38885	1.026329013	-2.148278083	2.818913535	-0.762094352	0.446003694	0.998252924
chr19:34699833-34712643	exonic	LSM14A	19	34699833	34712643	0	0	1	2	0	2	12810	1.026329013	-2.148278083	2.818913535	-0.762094352	0.446003694	0.998252924
chr7:32660015-32718742	ncRNA_exonic	DPY19L1P1	7	32660015	32718742	0	0	1	2	0	2	58727	1.026329013	-2.148278083	2.818913535	-0.762094352	0.446003694	0.998252924
chr9:97101118-97200810	exonic	MFS14B	9	97101118	97200810	0	0	2	0	4	4	99692	2.111522173	-2.145229257	2.221662708	-0.965596285	0.334246235	0.998252924
chr7:104702610-104722244	exonic	KMT2E	7	104702610	104722244	1	1	0	4	3	2	19634	1.708027765	-2.143472307	2.036613367	-1.052468938	0.292584455	0.998252924
chr4:103578838-103635718	exonic	MANBA	4	103578838	103635718	0	1	0	7	0	0	56880	0.918455495	-2.134112552	3.159685105	-0.675419379	NA	NA
chr3:129182402-129188260	exonic	IFT122	3	129182402	129188260	1	0	0	7	0	0	5858	0.873166639	-2.132052564	3.215863133	-0.662979883	NA	NA
chr4:103585841-103647840	exonic	MANBA	4	103585841	103647840	1	0	0	7	0	0	61999	0.873166639	-2.132052564	3.215863133	-0.662979883	NA	NA
chr5:43161350-43162033	exonic	ZNF131	5	43161350	43162033	1	0	1	3	2	3	683	1.811900794	-2.1277354	2.025736711	-1.050351405	0.293556579	0.998252924
chr12:31604873-31648853	exonic	DENND5B	12	31604873	31648853	0	1	0	1	3	1	43980	0.951888058	-2.120755434	2.67585068	-0.792553729	0.428037876	0.998252924
chr1:14095613-14099683	exonic	PRDM2	1	14095613	14099683	0	0	0	0	3	0	4070	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:1584361-1647917	exonic	CDK11A, CDK11B, SLC35E2B	1	1584361	1647917	0	0	0	0	3	0	63556	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:180047598-180049796	exonic	CEP350	1	180047598	180049796	0	0	0	0	3	0	2198	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:204488543-204504762	exonic	MDM4	1	204488543	204504762	0	0	0	0	3	0	16219	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:232649603-232669329	exonic	SIPA1L2	1	232649603	232669329	0	0	0	0	3	0	19726	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:33097427-33099711	exonic	ZBTB80S	1	33097427	33099711	0	0	0	0	3	0	2284	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr1:40869356-40875507	exonic	SMAP2	1	40869356	40875507	0	0	0	0	3	0	6151	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:41651793-41660071	exonic	SCMH1	1	41651793	41660071	0	0	0	0	3	0	8278	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:42094420-42111914	UTR5	<small>0019708.00127771..._41310_4092641144L.M.204903..._41320_430261144L</small>	1	42094420	42111914	0	0	0	0	3	0	17494	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:52283737-52299842	exonic	NRDC	1	52283737	52299842	0	0	0	0	3	0	16105	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:59150825-59155921	exonic	MYSM1	1	59150825	59155921	0	0	0	0	3	0	5096	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr1:79383318-79387471	exonic	ADGRL4	1	79383318	79387471	0	0	0	0	3	0	4153	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:112711366-112724819	exonic	SHOC2	10	112711366	112724819	0	0	0	0	3	0	13453	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:123670421-123673408	exonic	ATE1	10	123670421	123673408	0	0	0	0	3	0	2987	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:13152273-13164487	exonic	OPTN	10	13152273	13164487	0	0	0	0	3	0	12214	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:13233298-13234568	exonic	MCM10	10	13233298	13234568	0	0	0	0	3	0	1270	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:70530962-70548085	exonic	CCAR1	10	70530962	70548085	0	0	0	0	3	0	17123	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:74255336-74256927	intronic	MICU1	10	74255336	74256927	0	0	0	0	3	0	1591	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:74468041-74501603	ncRNA_exonic	MIR4676	10	74468041	74501603	0	0	0	0	3	0	33562	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:7820800-7822270	exonic	KIN	10	7820800	7822270	0	0	0	0	3	0	1470	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr10:98618049-98667504	UTR5	-----	10	98618049	98667504	0	0	0	0	3	0	49455	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:108200940-108202764	exonic	ATM	11	108200940	108202764	0	0	0	0	3	0	1824	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:110306558-110307862	exonic	FDX1	11	110306558	110307862	0	0	0	0	3	0	1304	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:116655570-116658359	exonic	ZPR1	11	116655570	116658359	0	0	0	0	3	0	2789	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:1261605-1262080	exonic	MUC5B	11	1261605	1262080	0	0	0	0	3	0	475	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:14512110-14520531	exonic	COPB1	11	14512110	14520531	0	0	0	0	3	0	8421	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:17139037-17167489	exonic	PIK3C2A	11	17139037	17167489	0	0	0	0	3	0	28452	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:17190224-17191353	exonic	PIK3C2A	11	17190224	17191353	0	0	0	0	3	0	1129	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:47752925-47772842	exonic	FNBP4	11	47752925	47772842	0	0	0	0	3	0	19917	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:65267535-65267739	ncRNA_exonic	MALAT1	11	65267535	65267739	0	0	0	0	3	0	204	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:82872368-82881037	exonic	PCF11	11	82872368	82881037	0	0	0	0	3	0	8669	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:9260657-9268546	intronic	DENND5A	11	9260657	9268546	0	0	0	0	3	0	7889	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:92887274-92903387	exonic	SLC36A4	11	92887274	92903387	0	0	0	0	3	0	16113	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:9308001-9316934	exonic	TMEM41B	11	9308001	9316934	0	0	0	0	3	0	8933	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:9309248-9316934	exonic	TMEM41B	11	9309248	9316934	0	0	0	0	3	0	7686	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr11:9829546-9830549	exonic	SBF2	11	9829546	9830549	0	0	0	0	3	0	1003	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:103657104-103664086	intergenic	NONE (dist=NONE),NONE (dist=NONE)	12	103657104	103664086	0	0	0	0	3	0	6982	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:110426767-110429565	exonic	GIT2	12	110426767	110429565	0	0	0	0	3	0	2798	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:116534474-116557584	exonic	MED13L	12	116534474	116557584	0	0	0	0	3	0	23110	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:117485507-117487474	exonic	TESC	12	117485507	117487474	0	0	0	0	3	0	1967	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:124123810-124137282	exonic	GTF2H3	12	124123810	124137282	0	0	0	0	3	0	13472	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr12:124221605-124233332	exonic	ATP6VOA2	12	124221605	124233332	0	0	0	0	3	0	11727	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:20076132-20127661	intergenic	<small>ABP2(d1st+40959),LOC100506393(d1st+9958)</small>	12	20076132	20127661	0	0	0	0	3	0	51529	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:26628228-26784992	exonic	ITPR2	12	26628228	26784992	0	0	0	0	3	0	156764	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:27807655-27820253	exonic	PPFIBP1	12	27807655	27820253	0	0	0	0	3	0	12598	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:2790820-2791778	exonic	CACNA1C	12	2790820	2791778	0	0	0	0	3	0	958	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:472128-475270	exonic	KDM5A	12	472128	475270	0	0	0	0	3	0	3142	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:50824277-50834332	exonic	LARP4	12	50824277	50834332	0	0	0	0	3	0	10055	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:56493431-56494029	exonic	ERBB3	12	56493431	56494029	0	0	0	0	3	0	598	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:71548013-71549621	intronic	TSPAN8	12	71548013	71549621	0	0	0	0	3	0	1608	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:8192414-8192761	exonic	FOXJ2	12	8192414	8192761	0	0	0	0	3	0	347	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:93206755-93246801	exonic	EEA1	12	93206755	93246801	0	0	0	0	3	0	40046	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr12:938228-939110	intronic	WNK1	12	938228	939110	0	0	0	0	3	0	882	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr13:31211880-31221194	exonic	USPL1	13	31211880	31221194	0	0	0	0	3	0	9314	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr13:42481721-42524149	exonic	VWA8	13	42481721	42524149	0	0	0	0	3	0	42428	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr13:50080770-50087302	exonic	PHF11	13	50080770	50087302	0	0	0	0	3	0	6532	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr13:77847606-77870809	exonic	MYCBP2	13	77847606	77870809	0	0	0	0	3	0	23203	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr13:96638586-96648389	exonic	UGGT2	13	96638586	96648389	0	0	0	0	3	0	9803	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:106094708-106111126	ncRNA_exonic	MIR8071-1, MIR8071-2	14	106094708	106111126	0	0	0	0	3	0	16418	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:106135888-106237056	ncRNA_exonic	ELK2AP	14	106135888	106237056	0	0	0	0	3	0	101168	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:31103152-31112611	exonic	SCFD1	14	31103152	31112611	0	0	0	0	3	0	9459	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:32615468-32621734	exonic	ARHGAP5	14	32615468	32621734	0	0	0	0	3	0	6266	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:34993902-35002745	exonic	EAPP	14	34993902	35002745	0	0	0	0	3	0	8843	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:50912796-50930851	exonic	MAP4K5	14	50912796	50930851	0	0	0	0	3	0	18055	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:64514717-64516594	exonic	SYNE2	14	64514717	64516594	0	0	0	0	3	0	1877	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr14:92126180-92174580	exonic	CATSPERB	14	92126180	92174580	0	0	0	0	3	0	48400	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:41373217-41379880	exonic	INO80	15	41373217	41379880	0	0	0	0	3	0	6663	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:44615162-44630515	exonic	CASC4	15	44615162	44630515	0	0	0	0	3	0	15353	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:50592985-50593565	exonic	GABPB1	15	50592985	50593565	0	0	0	0	3	0	580	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:62283198-62315719	exonic	VPS13C	15	62283198	62315719	0	0	0	0	3	0	32521	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:62292762-62315719	exonic	VPS13C	15	62292762	62315719	0	0	0	0	3	0	22957	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:72853823-72862648	exonic	ARH1	15	72853823	72862648	0	0	0	0	3	0	8825	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:75215988-75219228	exonic	COX5A	15	75215988	75219228	0	0	0	0	3	0	3240	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr15:77576225-77578846	UTR5	<small>PEAK1(NM_024776:c.-104376_-104578delins0)</small>	15	77576225	77578846	0	0	0	0	3	0	2621	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:10508431-10534319	exonic	ATF7IP2	16	10508431	10534319	0	0	0	0	3	0	25888	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:1675017-1697461	exonic	CRAMP1	16	1675017	1697461	0	0	0	0	3	0	22444	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr16:18840607-18856973	exonic	SMG1	16	18840607	18856973	0	0	0	0	3	0	16366	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:46705616-46708572	exonic	VPS35	16	46705616	46708572	0	0	0	0	3	0	2956	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:66632081-66632743	intergenic	<small>CMTM2 (dist=9904), CMTM3 (dist=5485)</small>	16	66632081	66632743	0	0	0	0	3	0	662	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:78420756-78466649	exonic	WVOX	16	78420756	78466649	0	0	0	0	3	0	45893	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:81346333-81346725	intergenic	<small>BCO1 (dist=21586), GAN (dist=1846)</small>	16	81346333	81346725	0	0	0	0	3	0	392	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr16:81891867-81904540	exonic	PLCG2	16	81891867	81904540	0	0	0	0	3	0	12673	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:11958205-12032604	exonic	MAP2K4	17	11958205	12032604	0	0	0	0	3	0	74399	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:16042321-16049862	exonic	NCOR1	17	16042321	16049862	0	0	0	0	3	0	7541	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:169211-183725	exonic	LOC100506388, RPH3AL	17	169211	183725	0	0	0	0	3	0	14514	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:2569309-2576051	exonic	PFAFH1B1	17	2569309	2576051	0	0	0	0	3	0	6742	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:29372428-29399067	intergenic	<small>RNF135 (dist=15499), MIB4733 (dist=22301)</small>	17	29372428	29399067	0	0	0	0	3	0	26639	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:54926056-54936026	exonic	DGKE	17	54926056	54936026	0	0	0	0	3	0	9970	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:60087910-60112969	exonic	MED13	17	60087910	60112969	0	0	0	0	3	0	25059	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:61869771-61887019	exonic	DDX42	17	61869771	61887019	0	0	0	0	3	0	17248	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr17:67255846-67257889	exonic	ABCA5	17	67255846	67257889	0	0	0	0	3	0	2043	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr18:12999419-13008630	exonic	CEP192	18	12999419	13008630	0	0	0	0	3	0	9211	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr18:19345732-19429349	exonic	MIB1	18	19345732	19429349	0	0	0	0	3	0	83617	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr18:196636-204692	exonic	USP14	18	196636	204692	0	0	0	0	3	0	8056	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr18:33740894-33750159	exonic	ELP2	18	33740894	33750159	0	0	0	0	3	0	9265	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr18:61067281-61067936	exonic	VPS4B	18	61067281	61067936	0	0	0	0	3	0	655	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr18:72342923-72493458	exonic	ZNF407	18	72342923	72493458	0	0	0	0	3	0	150535	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:11979090-12015702	exonic	ZNF439, ZNF69	19	11979090	12015702	0	0	0	0	3	0	36612	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:12355396-12361183	intergenic	<small>LOC100289333 (dist=37005), ZNF44 (dist=21442)</small>	19	12355396	12361183	0	0	0	0	3	0	5787	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:20146794-20147195	intronic	ZNF682	19	20146794	20147195	0	0	0	0	3	0	401	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:21558040-21588658	exonic	ZNF493	19	21558040	21588658	0	0	0	0	3	0	30618	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:2855485-2860573	UTR3	<small>ZNF509 (dist=10777), -4130, -4032a11a1c1b1, -132761, -4131, -4032a11a1c1b1</small>	19	2855485	2860573	0	0	0	0	3	0	5088	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:33608730-33610023	exonic	GPATCH1	19	33608730	33610023	0	0	0	0	3	0	1293	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:34926239-34937565	exonic	UBA2	19	34926239	34937565	0	0	0	0	3	0	11326	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:42621402-42664544	exonic	POU2F2	19	42621402	42664544	0	0	0	0	3	0	43142	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:52364156-52380630	exonic	ZNF577	19	52364156	52380630	0	0	0	0	3	0	16474	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:53714234-53716922	ncRNA_exonic	ZNF818P	19	53714234	53716922	0	0	0	0	3	0	2688	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:53910951-53913678	exonic	ZNF765	19	53910951	53913678	0	0	0	0	3	0	2727	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:53945049-53949590	ncRNA_exonic	TPM3P9	19	53945049	53949590	0	0	0	0	3	0	4541	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:6702138-6702590	exonic	C3	19	6702138	6702590	0	0	0	0	3	0	452	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr19:6742977-6743847	exonic	TRIP10	19	6742977	6743847	0	0	0	0	3	0	870	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr19:8530207-8539128	exonic	HNRNPM	19	8530207	8539128	0	0	0	0	3	0	8921	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:100050793-100081447	exonic	REV1	2	100050793	100081447	0	0	0	0	3	0	30654	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:112588863-112636548	exonic	ANAPC1	2	112588863	112636548	0	0	0	0	3	0	47685	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:170728745-170732459	exonic	UBR3	2	170728745	170732459	0	0	0	0	3	0	3714	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:190670377-190682906	exonic	PMS1	2	190670377	190682906	0	0	0	0	3	0	12529	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:196889152-196892771	exonic	DNAH7	2	196889152	196892771	0	0	0	0	3	0	3619	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:228172432-228174034	exonic	COL4A3	2	228172432	228174034	0	0	0	0	3	0	1602	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:24046127-24056948	exonic	ATAD2B	2	24046127	24056948	0	0	0	0	3	0	10821	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:24787164-24816590	UTR5	-----	2	24787164	24816590	0	0	0	0	3	0	29426	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:27900161-27900791	exonic	SLC4A1AP	2	27900161	27900791	0	0	0	0	3	0	630	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:61719169-61724142	exonic	XPO1	2	61719169	61724142	0	0	0	0	3	0	4973	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:62099216-62107529	exonic	CCT4	2	62099216	62107529	0	0	0	0	3	0	8313	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:86768240-86769435	exonic	CHMP3, RNF103-CHMP3	2	86768240	86769435	0	0	0	0	3	0	1195	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:89385138-89442355	intergenic	MIR4436A (dist=273170), NONE (dist=NONE)	2	89385138	89442355	0	0	0	0	3	0	57217	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr2:9727543-9731644	exonic	YWHAQ	2	9727543	9731644	0	0	0	0	3	0	4101	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:16359449-16362392	exonic	KIF16B	20	16359449	16362392	0	0	0	0	3	0	2943	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:21195173-21196286	exonic	KIZ	20	21195173	21196286	0	0	0	0	3	0	1113	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:3277507-3278822	exonic	C20orf194	20	3277507	3278822	0	0	0	0	3	0	1315	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:33902490-33962059	exonic	UQCC1	20	33902490	33962059	0	0	0	0	3	0	59569	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:34312492-34313077	exonic	RBM39	20	34312492	34313077	0	0	0	0	3	0	585	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:34446223-34451322	exonic	PHF20	20	34446223	34451322	0	0	0	0	3	0	5099	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr20:52644930-52645511	exonic	BCAS1	20	52644930	52645511	0	0	0	0	3	0	581	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr21:16363522-16415895	UTR5	NR1P1 (NM_003489:c.-75180..-75382delins0)	21	16363522	16415895	0	0	0	0	3	0	52373	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr21:37741285-37744829	exonic	MORC3	21	37741285	37744829	0	0	0	0	3	0	3544	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr21:38792601-38801210	exonic	DYRK1A	21	38792601	38801210	0	0	0	0	3	0	8609	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr21:40585406-40597123	exonic	BRWD1	21	40585406	40597123	0	0	0	0	3	0	11717	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr21:47152589-47175366	intergenic	SLC19A1 (dist=190204), LOC100129027 (dist=72389)	21	47152589	47175366	0	0	0	0	3	0	22777	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr22:23101393-23135067	intergenic	GGTLC2 (dist=111025), MIR650 (dist=30203)	22	23101393	23135067	0	0	0	0	3	0	33674	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr22:25990266-26000420	exonic	ADRBK2	22	25990266	26000420	0	0	0	0	3	0	10154	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr22:44169650-44171432	intronic	EFCAB6	22	44169650	44171432	0	0	0	0	3	0	1782	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:11874477-11880788	exonic	TAMM41	3	11874477	11880788	0	0	0	0	3	0	6311	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:129684544-129690951	intergenic	TMC1-AS1 (dist=56789), TRH (dist=2285)	3	129684544	129690951	0	0	0	0	3	0	6407	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:136117590-136221621	exonic	STAG1	3	136117590	136221621	0	0	0	0	3	0	104031	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:169701041-169702140	exonic	SEC62	3	169701041	169702140	0	0	0	0	3	0	1099	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:171431682-171452760	exonic	PLD1	3	171431682	171452760	0	0	0	0	3	0	21078	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr3:179045348-179047516	exonic	ZNF639	3	179045348	179047516	0	0	0	0	3	0	2168	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:182665025-182681837	exonic	DCUN1D1	3	182665025	182681837	0	0	0	0	3	0	16812	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:183558357-183585848	exonic	PARL	3	183558357	183585848	0	0	0	0	3	0	27491	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:188202379-188478070	exonic	LPP	3	188202379	188478070	0	0	0	0	3	0	275691	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:196863412-196876667	exonic	DLG1	3	196863412	196876667	0	0	0	0	3	0	13255	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:27420739-27433299	exonic	SLC4A7	3	27420739	27433299	0	0	0	0	3	0	12560	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:47716964-47719801	exonic	SMARCC1	3	47716964	47719801	0	0	0	0	3	0	2837	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:50095160-50095995	exonic	RBM6	3	50095160	50095995	0	0	0	0	3	0	835	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:51575605-51586079	UTR5	<small>RAD54L2(NM_015106:c.-48832_-48771delins0)</small>	3	51575605	51586079	0	0	0	0	3	0	10474	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:57627379-57632165	exonic	DENND6A	3	57627379	57632165	0	0	0	0	3	0	4786	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr3:64795470-64859021	ncRNA_exonic	ADAMTS9-AS2, MIR548A2	3	64795470	64859021	0	0	0	0	3	0	63551	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr4:173842869-173846132	intronic	GALNTL6	4	173842869	173846132	0	0	0	0	3	0	3263	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr4:25777898-25792196	exonic	SEL1L3	4	25777898	25792196	0	0	0	0	3	0	14298	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr4:44709768-44724259	exonic	GNPDA2	4	44709768	44724259	0	0	0	0	3	0	14491	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr4:72352664-72363409	exonic	SLC4A4	4	72352664	72363409	0	0	0	0	3	0	10745	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr4:78678015-78697546	exonic	CNOT6L	4	78678015	78697546	0	0	0	0	3	0	19531	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr4:85800559-85833472	UTR5	<small>WDFY3(NM_014991:c.36419_36320delins0)</small>	4	85800559	85833472	0	0	0	0	3	0	32913	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:130590788-130591885	intergenic	<small>LYRM7(dist=49669), CDC42SE2(dist=7817)</small>	5	130590788	130591885	0	0	0	0	3	0	1097	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:141843535-141847396	ncRNA_exonic	LOC101926941	5	141843535	141847396	0	0	0	0	3	0	3861	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:14363840-14381361	exonic	TRIO	5	14363840	14381361	0	0	0	0	3	0	17521	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:145863102-145886770	exonic	TCERG1	5	145863102	145886770	0	0	0	0	3	0	23668	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:157230658-157244555	exonic	CLINT1	5	157230658	157244555	0	0	0	0	3	0	13897	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:169108747-169116337	exonic	DOCK2	5	169108747	169116337	0	0	0	0	3	0	7590	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:751248-840765	exonic	ZDHC11	5	751248	840765	0	0	0	0	3	0	89517	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:75993811-75998415	exonic	IQGAP2	5	75993811	75998415	0	0	0	0	3	0	4604	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:76330242-76332545	exonic	AGGF1	5	76330242	76332545	0	0	0	0	3	0	2303	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr5:79745409-79770649	exonic	ZFYVE16	5	79745409	79770649	0	0	0	0	3	0	25240	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:118953616-118985684	exonic	CEP85L	6	118953616	118985684	0	0	0	0	3	0	32068	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:150016209-150023402	exonic	LATS1	6	150016209	150023402	0	0	0	0	3	0	7193	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:154520801-154544377	exonic	IPCEF1	6	154520801	154544377	0	0	0	0	3	0	23576	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:170697374-170700209	exonic	FAM120B	6	170697374	170700209	0	0	0	0	3	0	2835	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:31777876-31779762	exonic	HSPA1L	6	31777876	31779762	0	0	0	0	3	0	1886	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:31832429-31837414	exonic	SLC44A4	6	31832429	31837414	0	0	0	0	3	0	4985	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:31975046-32007612	exonic	<small>C4B, C4B_2, CYP21A2, STK19, TNXB</small>	6	31975046	32007612	0	0	0	0	3	0	32566	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:56917484-56920595	exonic	KIAA1586	6	56917484	56920595	0	0	0	0	3	0	3111	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr6:76344422-76380436	exonic	SENP6	6	76344422	76380436	0	0	0	0	3	0	36014	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr6:89554075-89563483	exonic	RNGTT	6	89554075	89563483	0	0	0	0	3	0	9408	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:100066773-100068024	intronic	TSC22D4	7	100066773	100068024	0	0	0	0	3	0	1251	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:102976537-102976900	intronic	DNAJC2	7	102976537	102976900	0	0	0	0	3	0	363	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:114582329-114619836	exonic	MDFIC	7	114582329	114619836	0	0	0	0	3	0	37507	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:117175301-117305618	exonic	CFTR	7	117175301	117305618	0	0	0	0	7	0	130317	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:123119848-123136960	exonic	IQUB	7	123119848	123136960	0	0	0	0	3	0	17112	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:139810894-139820329	exonic	KDM7A	7	139810894	139820329	0	0	0	0	3	0	9435	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:37988442-37989994	exonic	EPDR1	7	37988442	37989994	0	0	0	0	3	0	1552	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:45834674-45838202	intergenic	SEPT72 (dist=26657), IGFBP1 (dist=89757)	7	45834674	45838202	0	0	0	0	3	0	3528	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:47336679-47344601	exonic	TNS3	7	47336679	47344601	0	0	0	0	3	0	7922	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:56125686-56126395	exonic	CCT6A	7	56125686	56126395	0	0	0	0	3	0	709	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:74528190-74536811	exonic	GTF2IRD2, GTF2IRD2B	7	74528190	74536811	0	0	0	0	3	0	8621	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:76922269-76924255	exonic	CCDC146	7	76922269	76924255	0	0	0	0	3	0	1986	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:77006165-77033932	exonic	GSAP	7	77006165	77033932	0	0	0	0	3	0	27767	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:77407655-77408131	exonic	RSBN1L	7	77407655	77408131	0	0	0	0	3	0	476	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:7844212-7858575	intronic	UMAD1	7	7844212	7858575	0	0	0	0	3	0	14363	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:91706169-91712969	exonic	AKAP9	7	91706169	91712969	0	0	0	0	3	0	6800	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:97939756-97949610	exonic	BAIAP2L1	7	97939756	97949610	0	0	0	0	3	0	9854	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr7:97941408-97949610	exonic	BAIAP2L1	7	97941408	97949610	0	0	0	0	3	0	8202	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:109462051-109462721	exonic	EMC2	8	109462051	109462721	0	0	0	0	3	0	670	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:124371460-124373886	exonic	ATAD2	8	124371460	124373886	0	0	0	0	3	0	2426	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:130110536-130142350	intergenic	LINC00824 (dist=533611), LINC00977 (dist=86363)	8	130110536	130142350	0	0	0	0	3	0	31814	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:130365050-130411930	ncRNA_exonic	CCDC26	8	130365050	130411930	0	0	0	0	3	0	46880	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:130861488-130866589	exonic	FAM49B	8	130861488	130866589	0	0	0	0	3	0	5101	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:131191509-131199531	exonic	ASAP1	8	131191509	131199531	0	0	0	0	3	0	8022	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:133595940-133627343	exonic	LRRC6	8	133595940	133627343	0	0	0	0	3	0	31403	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:17446976-17447274	exonic	PDGFRL	8	17446976	17447274	0	0	0	0	3	0	298	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:17814112-17869336	exonic	PCM1	8	17814112	17869336	0	0	0	0	3	0	55224	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:25156459-25168048	exonic	DOCK5	8	25156459	25168048	0	0	0	0	3	0	11589	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:25158091-25168048	exonic	DOCK5	8	25158091	25168048	0	0	0	0	3	0	9957	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:26211984-26223922	exonic	PPP2R2A	8	26211984	26223922	0	0	0	0	3	0	11938	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:30265953-30270689	intronic	RBPMS	8	30265953	30270689	0	0	0	0	3	0	4736	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:363072-408551	exonic	FBXO25	8	363072	408551	0	0	0	0	3	0	45479	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:61135207-61144938	exonic	CA8	8	61135207	61144938	0	0	0	0	3	0	9731	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA

chr8:71036118-71075089	exonic	NCOA2	8	71036118	71075089	0	0	0	0	3	0	38971	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr8:90949253-90958523	exonic	NBN	8	90949253	90958523	0	0	0	0	3	0	9270	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:108125101-108137016	exonic	SLC44A1	9	108125101	108137016	0	0	0	0	3	0	11915	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:134274139-134275940	intergenic	PLPP7 (dist=89490), PRC2B (dist=29537)	9	134274139	134275940	0	0	0	0	3	0	1801	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:14609848-14674383	exonic	ZDHHC21	9	14609848	14674383	0	0	0	0	3	0	64535	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:37126309-37190648	exonic	ZCCHC7	9	37126309	37190648	0	0	0	0	3	0	64339	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:77692075-77695857	exonic	NMRK1	9	77692075	77695857	0	0	0	0	3	0	3782	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:88655653-88661487	exonic	GOLM1	9	88655653	88661487	0	0	0	0	3	0	5834	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:95618092-95618600	exonic	ZNF484	9	95618092	95618600	0	0	0	0	3	0	508	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chrX:53667543-53672415	exonic	HUWE1	X	53667543	53672415	0	0	0	0	3	0	4872	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chrY:21738591-21749393	ncRNA_exonic	TXLNGY	Y	21738591	21749393	0	0	0	0	3	0	10802	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chrY:21749096-21752658	ncRNA_exonic	TXLNGY	Y	21749096	21752658	0	0	0	0	3	0	3562	0.363082265	-2.115500483	4.013675407	-0.527073136	NA	NA
chr9:80409378-80412564	exonic	GNAQ	9	80409378	80412564	3	0	0	7	6	1	3186	2.165523664	-2.109595326	1.947503168	-1.083230755	NA	NA
chr2:110673528-110674233	ncRNA_exonic	LIMS3-LOC440895	2	110673528	110674233	1	1	0	5	4	1	705	1.627147964	-2.107936472	2.071427194	-1.01762518	0.308856116	0.998252924
chr16:30490411-30490782	exonic	ITGAL	16	30490411	30490782	1	1	0	12	0	0	371	1.578999364	-2.099907254	2.471817901	-0.849539625	NA	NA
chr3:77147164-77147491	exonic	ROBO2	3	77147164	77147491	4	0	0	21	0	0	327	2.748486859	-2.09834914	3.83372083	-0.547340099	NA	NA
chr1:15855582-15873366	exonic	DNAJC16	1	15855582	15873366	0	0	0	0	1	1	17784	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr1:16237595-16242774	exonic	SPEN	1	16237595	16242774	0	0	0	0	1	1	5179	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr1:193099303-193121574	exonic	CDC73	1	193099303	193121574	0	0	0	0	1	1	22271	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr1:196682864-196697652	exonic	CFH	1	196682864	196697652	0	0	0	0	1	1	14788	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr1:200617566-200618354	exonic	DDX59	1	200617566	200618354	0	0	0	0	1	1	788	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr1:200729966-200730226	exonic	CAMSAP2	1	200729966	200730226	0	0	0	0	1	1	260	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr1:32560384-32566163	exonic	TMEM39B	1	32560384	32566163	0	0	0	0	1	1	5779	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr10:46751425-46754867	ncRNA_exonic	BMS1P5	10	46751425	46754867	0	0	0	0	1	1	3442	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr11:20429456-20486092	exonic	PRMT3	11	20429456	20486092	0	0	0	0	1	1	56636	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr11:72695132-72726930	exonic	FCHSD2	11	72695132	72726930	0	0	0	0	1	1	31798	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr11:74559159-74563127	exonic	XRR1A1	11	74559159	74563127	0	0	0	0	1	1	3968	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr12:110832905-110834257	exonic	ANAPC7	12	110832905	110834257	0	0	0	0	1	1	1352	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr12:28544236-28637098	exonic	CCDC91	12	28544236	28637098	0	0	0	0	1	1	92862	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr12:40422102-40442012	exonic	SLC2A13	12	40422102	40442012	0	0	0	0	1	1	19910	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr14:50647289-50667802	exonic	SOS2	14	50647289	50667802	0	0	0	0	1	1	20513	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr16:23632682-23649450	exonic	PALB2	16	23632682	23649450	0	0	0	0	1	1	16768	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr17:28808160-28819771	exonic	GOSR1	17	28808160	28819771	0	0	0	0	1	1	11611	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr17:41598736-41599594	exonic	DHX8	17	41598736	41599594	0	0	0	0	1	1	858	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr2:24103508-24111269	exonic	ATAD2B	2	24103508	24111269	0	0	0	0	1	1	7761	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924

chr2:61712902-61717911	exonic	XPO1	2	61712902	61717911	0	0	0	0	1	1	5009	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr2:61725807-61727029	exonic	XPO1	2	61725807	61727029	0	0	0	0	1	1	1222	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr2:74386217-74399879	exonic	MOB1A	2	74386217	74399879	0	0	0	0	1	1	13662	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr3:136141251-136141886	exonic	STAG1	3	136141251	136141886	0	0	0	0	1	1	635	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr3:155551256-155560408	exonic	SLC33A1	3	155551256	155560408	0	0	0	0	1	1	9152	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr3:160131260-160141628	exonic	SMC4	3	160131260	160141628	0	0	0	0	1	1	10368	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr4:120192450-120212416	exonic	USP53	4	120192450	120212416	0	0	0	0	1	1	19966	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr4:146083791-146092872	exonic	OTUD4	4	146083791	146092872	0	0	0	0	1	1	9081	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr4:56342129-56348995	exonic	CLOCK	4	56342129	56348995	0	0	0	0	1	1	6866	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr5:158608967-158630664	exonic	RNF145	5	158608967	158630664	0	0	0	0	1	1	21697	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr5:170817054-170819982	exonic	NPM1	5	170817054	170819982	0	0	0	0	1	1	2928	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr5:65073253-65081737	exonic	NLN	5	65073253	65081737	0	0	0	0	1	1	8484	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr5:77452081-77461496	exonic	AP3B1	5	77452081	77461496	0	0	0	0	1	1	9415	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr5:79441912-79462301	exonic	SERINC5	5	79441912	79462301	0	0	0	0	1	1	20389	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr6:135639656-135749897	exonic	AHI1	6	135639656	135749897	0	0	0	0	1	1	110241	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr6:147560305-147599340	exonic	STXBP5	6	147560305	147599340	0	0	0	0	1	1	39035	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr6:150147399-150157433	exonic	LRP11	6	150147399	150157433	0	0	0	0	1	1	10034	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr6:7226699-7232140	exonic	RREB1	6	7226699	7232140	0	0	0	0	1	1	5441	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr7:5363844-5372680	exonic	TNRC18	7	5363844	5372680	0	0	0	0	1	1	8836	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chrX:80064511-80064803	exonic	BRWD3	X	80064511	80064803	0	0	0	0	1	1	292	0.429246031	-2.094735489	4.014447396	-0.521799212	0.601810138	0.998252924
chr8:117668094-117671219	exonic	EIF3H	8	117668094	117671219	1	0	0	2	2	1	3125	0.891883165	-2.094610083	2.708965957	-0.773213882	0.439395812	0.998252924
chr9:99098998-99114391	exonic	SLC35D2	9	99098998	99114391	1	0	0	2	2	1	15393	0.891883165	-2.094610083	2.708965957	-0.773213882	0.439395812	0.998252924
chr2:113158693-113159425	exonic	RGPD5, RGPD8	2	113158693	113159425	0	0	1	2	2	1	732	0.960165248	-2.09376955	2.648397055	-0.790579927	0.429189164	0.998252924
chr7:5023301-5028808	ncRNA_exonic	RNF216P1	7	5023301	5028808	0	0	1	2	2	1	5507	0.960165248	-2.09376955	2.648397055	-0.790579927	0.429189164	0.998252924
chr1:220355598-220356273	exonic	RAB3GAP2	1	220355598	220356273	0	1	0	0	6	0	675	0.90044033	-2.086241629	3.187064249	-0.654596665	NA	NA
chr2:70451685-70457986	exonic	TIA1	2	70451685	70457986	0	1	0	0	6	0	6301	0.90044033	-2.086241629	3.187064249	-0.654596665	NA	NA
chr13:100959445-101020828	exonic	PCCA	13	100959445	101020828	5	0	0	2	5	0	61383	0.855151474	-2.084617374	3.244949796	-0.642418991	NA	NA
chr1:111690263-111717585	exonic	CEPT1	1	111690263	111717585	0	0	0	1	2	0	27322	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr1:171504566-171535560	exonic	PRRC2C	1	171504566	171535560	0	0	0	1	2	0	30994	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr1:46105881-46120991	exonic	GPBP1L1	1	46105881	46120991	0	0	0	1	2	0	15110	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr10:51582182-51585599	exonic	NCOA4	10	51582182	51585599	0	0	0	1	2	0	3417	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr11:85725912-85742653	exonic	PICALM	11	85725912	85742653	0	0	0	1	2	0	16741	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr12:109509416-109511337	exonic	USP30	12	109509416	109511337	0	0	0	1	2	0	1921	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr12:109687788-109696913	exonic	ACACB	12	109687788	109696913	0	0	0	1	2	0	9125	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr12:112110464-112117144	exonic	BRAP	12	112110464	112117144	0	0	0	1	2	0	6680	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924

chr12:2931959-2933418	exonic	ITFG2	12	2931959	2933418	0	0	0	1	2	0	1459	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr12:53410256-53421972	exonic	EIF4B	12	53410256	53421972	0	0	0	1	2	0	11716	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr13:41890981-41905505	exonic	NAA16	13	41890981	41905505	0	0	0	1	2	0	14524	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr13:41890981-41910892	exonic	NAA16	13	41890981	41910892	0	0	0	1	2	0	19911	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr13:42860121-42882745	exonic	AKAP11	13	42860121	42882745	0	0	0	1	2	0	22624	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr13:53196123-53201713	UTR5		13	53196123	53201713	0	0	0	1	2	0	5590	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr13:53232533-53239868	exonic	SUGT1	13	53232533	53239868	0	0	0	1	2	0	7335	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr14:61275042-61346553	exonic	MNAT1	14	61275042	61346553	0	4	0	5	2	0	71511	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:101550654-101551042	exonic	LRRK1	15	101550654	101551042	0	0	0	1	2	0	388	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:35192822-35196706	exonic	AQR	15	35192822	35196706	0	0	0	1	2	0	3884	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:59487659-59506919	exonic	LDHAL6B, MYO1E	15	59487659	59506919	0	0	0	1	2	0	19260	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:59487659-59510286	exonic	LDHAL6B, MYO1E	15	59487659	59510286	0	0	0	1	2	0	22627	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:63829223-63848947	exonic	USP3	15	63829223	63848947	0	0	0	1	2	0	19724	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:65799580-65804902	exonic	DPP8	15	65799580	65804902	0	0	0	1	2	0	5322	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:66824584-66839043	exonic	ZWILCH	15	66824584	66839043	0	0	0	1	2	0	14459	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr15:90420537-90432372	exonic	AP3S2, C15orf38-AP3S2	15	90420537	90432372	0	0	0	1	2	0	11835	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr16:19474601-19485598	exonic	TMC5	16	19474601	19485598	0	0	0	1	2	0	10997	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr16:19627435-19653798	exonic	C16orf62	16	19627435	19653798	0	0	0	1	2	0	26363	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr16:21979948-21987564	exonic	UQCRC2	16	21979948	21987564	0	0	0	1	2	0	7616	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr17:29527439-29592357	exonic	NF1	17	29527439	29592357	0	0	0	1	2	0	64918	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr17:76696412-76698686	exonic	CYTH1	17	76696412	76698686	0	0	0	1	2	0	2274	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr17:8347577-8363478	exonic	NDEL1	17	8347577	8363478	0	0	0	1	2	0	15901	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr19:16790794-16791392	exonic	TMEM38A	19	16790794	16791392	0	0	0	1	2	0	598	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr2:170871790-170917953	exonic	UBR3	2	170871790	170917953	0	0	0	1	2	0	46163	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr2:204312681-204326648	exonic	RAPH1	2	204312681	204326648	0	0	0	1	2	0	13967	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr2:43712372-43735919	exonic	THADA	2	43712372	43735919	0	0	0	1	2	0	23547	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr2:61512009-61520685	exonic	USP34	2	61512009	61520685	0	0	0	1	2	0	8676	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr2:61512009-61522425	exonic	USP34	2	61512009	61522425	0	0	0	1	2	0	10416	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr2:61512009-61524060	exonic	USP34	2	61512009	61524060	0	0	0	1	2	0	12051	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr21:40641824-40642359	exonic	BRWD1	21	40641824	40642359	0	0	0	1	2	0	535	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr3:11372813-11383753	exonic	ATG7	3	11372813	11383753	0	0	0	1	2	0	10940	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr3:149563797-149613347	exonic	RNF13	3	149563797	149613347	0	0	0	1	2	0	49550	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr3:27453132-27465643	exonic	SLC4A7	3	27453132	27465643	0	0	0	1	2	0	12511	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr4:110384056-110416012	exonic	SEC24B	4	110384056	110416012	0	0	0	1	2	0	31956	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr4:148778703-148876525	exonic	ARHGAP10	4	148778703	148876525	0	0	0	1	2	0	97822	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924

chr4:186185591-186188309	exonic	SNX25	4	186185591	186188309	0	0	0	1	2	0	2718	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr4:48592675-48611084	exonic	FRYL	4	48592675	48611084	0	0	0	1	2	0	18409	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr4:56759717-56766050	exonic	EXOC1	4	56759717	56766050	0	0	0	1	2	0	6333	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr4:7870348-7873807	exonic	AFAP1	4	7870348	7873807	0	0	0	1	2	0	3459	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr5:112321531-112346504	exonic	DCP2	5	112321531	112346504	0	0	0	1	2	0	24973	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr5:141004774-141009692	exonic	HDAC3	5	141004774	141009692	0	0	0	1	2	0	4918	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr5:14673750-14681716	exonic	OTULIN	5	14673750	14681716	0	0	0	1	2	0	7966	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr5:179007947-179020646	exonic	RUFY1	5	179007947	179020646	0	0	0	1	2	0	12699	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr5:33561131-33624456	exonic	ADAMTS12	5	33561131	33624456	0	0	0	1	2	0	63325	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr6:144768346-144806655	exonic	UTRN	6	144768346	144806655	0	0	0	1	2	0	38309	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr6:17624791-17649531	exonic	NUP153	6	17624791	17649531	0	0	0	1	2	0	24740	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr7:103777227-103808973	exonic	ORC5	7	103777227	103808973	0	0	0	1	2	0	31746	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr7:65220766-65221561	ncRNA_exonic	CCT6P1	7	65220766	65221561	0	0	0	1	2	0	795	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr8:120805605-120814265	exonic	TAF2	8	120805605	120814265	0	0	0	1	2	0	8660	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr8:48748898-48749980	exonic	PRKDC	8	48748898	48749980	0	0	0	1	2	0	1082	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr9:19070216-19096767	exonic	HAUS6	9	19070216	19096767	0	0	0	1	2	0	26551	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr9:88648196-88651422	exonic	GOLM1	9	88648196	88651422	0	0	0	1	2	0	3226	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chrX:117700536-117733191	exonic	DOCK11	X	117700536	117733191	0	0	0	1	2	0	32655	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chrX:37663129-37665786	exonic	CYBB	X	37663129	37665786	0	0	0	1	2	0	2657	0.348366229	-2.073305549	4.015255082	-0.51635712	0.605605009	0.998252924
chr20:54956488-54959380	exonic	AURKA	20	54956488	54959380	1	0	0	3	1	1	2892	0.877167129	-2.067918929	2.74148273	-0.754306751	0.45066505	0.998252924
chr4:107114765-107133992	exonic	TBCK	4	107114765	107133992	3	0	2	6	3	8	19227	4.248198326	-2.066748786	1.476477737	-1.399783237	NA	NA
chr9:127064214-127076264	exonic	NEK6	9	127064214	127076264	0	2	2	7	6	5	12050	3.75452692	-2.050047221	1.49433033	-1.371883565	0.170099687	0.998252924
chr2:242346951-242371189	exonic	FARP2	2	242346951	242371189	0	0	1	2	4	0	24238	0.894001483	-2.043037617	2.899808031	-0.704542368	0.481095075	0.998252924
chr3:47908735-47919013	exonic	MAP4	3	47908735	47919013	0	1	0	4	0	1	10278	0.907739948	-2.042095572	2.929076316	-0.697180733	0.485689695	0.998252924
chr1:197552281-197581106	exonic	DENND1B	1	197552281	197581106	0	1	0	2	4	0	28825	0.871008257	-2.041980662	2.924715497	-0.698180956	0.485064035	0.998252924
chr16:48587449-48596355	exonic	N4BP1	16	48587449	48596355	0	1	0	2	4	0	8906	0.871008257	-2.041980662	2.924715497	-0.698180956	0.485064035	0.998252924
chr16:4679087-4679793	intronic	MGRN1	16	4679087	4679793	2	0	0	0	0	4	706	1.490848321	-2.04020062	2.740213494	-0.744540754	NA	NA
chr8:61653817-61693989	exonic	CHD7	8	61653817	61693989	2	0	0	0	0	4	40172	1.490848321	-2.04020062	2.740213494	-0.744540754	NA	NA
chr9:97187142-97187457	intronic	MFS14B	9	97187142	97187457	2	0	0	0	0	4	315	1.490848321	-2.04020062	2.740213494	-0.744540754	NA	NA
chr2:242343242-242373736	exonic	FARP2	2	242343242	242373736	1	0	0	0	2	0	30494	0.8257194	-2.039794286	2.978329949	-0.684878546	0.493420565	0.998252924
chr5:56526672-56527148	exonic	GPBP1	5	56526672	56527148	1	0	0	2	4	0	476	0.8257194	-2.039794286	2.978329949	-0.684878546	0.493420565	0.998252924
chr1:149627308-149640911	ncRNA_exonic	LINCO0869	1	149627308	149640911	0	0	0	2	1	0	13603	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:155348071-155365344	exonic	ASH1L	1	155348071	155365344	0	0	0	2	1	0	17273	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:155686796-155695810	exonic	DAP3	1	155686796	155695810	0	0	0	2	1	0	9014	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:202394693-202400747	exonic	PPP1R12B	1	202394693	202400747	0	0	0	2	1	0	6054	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924

chr1:215768697-215785263	exonic	KCTD3	1	215768697	215785263	0	0	0	2	1	0	16566	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:223946971-223959941	exonic	CAPN2	1	223946971	223959941	0	0	0	2	1	0	12970	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:234553829-234608557	exonic	TARBP1	1	234553829	234608557	0	0	0	2	1	0	54728	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:243471290-243589860	exonic	SDCCAG8	1	243471290	243589860	2	2	0	2	1	0	118570	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:246784730-246797889	exonic	CNST	1	246784730	246797889	0	0	0	2	1	0	13159	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:24976461-24978103	exonic	SRRM1	1	24976461	24978103	0	0	0	2	1	0	1642	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:39916723-39929358	exonic	MACF1	1	39916723	39929358	0	0	0	2	1	0	12635	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr1:91808986-91818709	exonic	HFM1	1	91808986	91818709	0	0	0	2	1	0	9723	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr10:111860382-111872673	exonic	ADD3	10	111860382	111872673	0	0	0	2	1	0	12291	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr10:11291115-11299835	exonic	CELF2	10	11291115	11299835	0	0	0	2	1	0	8720	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr10:34648074-34673182	exonic	PARD3	10	34648074	34673182	0	0	0	2	1	0	25108	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr10:43650344-43662546	exonic	CSGALNACT2	10	43650344	43662546	0	0	0	2	1	0	12202	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr10:97959830-97967655	exonic	BLNK	10	97959830	97967655	0	0	0	2	1	0	7825	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr11:17131978-17136012	exonic	PIK3C2A	11	17131978	17136012	0	0	0	2	1	0	4034	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr11:3800102-3803375	exonic	NUP98	11	3800102	3803375	0	0	0	2	1	0	3273	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr11:57460082-57464345	exonic	ZDHC5	11	57460082	57464345	0	0	0	2	1	0	4263	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr11:73843888-73844602	exonic	C2CD3	11	73843888	73844602	0	0	0	2	1	0	714	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr14:31626045-31643012	exonic	HECTD1	14	31626045	31643012	0	0	0	2	1	0	16967	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr14:35565763-35568590	exonic	PPP2R3C	14	35565763	35568590	0	0	0	2	1	0	2827	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr14:45715945-45716580	exonic	MIS18BP1	14	45715945	45716580	0	0	0	2	1	0	635	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr14:89212528-89221015	exonic	EML5	14	89212528	89221015	0	0	0	2	1	0	8487	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr15:28478291-28479430	exonic	HERC2	15	28478291	28479430	0	0	0	2	1	0	1139	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr15:64404771-64411053	exonic	SNX1	15	64404771	64411053	0	0	0	2	1	0	6282	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr15:93467550-93492306	exonic	CHD2	15	93467550	93492306	0	0	0	2	1	0	24756	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr16:66971939-66973261	exonic	CES2	16	66971939	66973261	0	0	0	2	1	0	1322	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr17:12812213-12832363	exonic	ARHGAP44	17	12812213	12832363	0	0	0	2	1	0	20150	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr17:43314647-43316432	exonic	FMNL1	17	43314647	43316432	0	0	0	2	1	0	1785	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr17:65906992-65940488	exonic	BPTF	17	65906992	65940488	0	0	0	2	1	0	33496	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr17:73933646-73934313	exonic	FBF1	17	73933646	73934313	0	0	0	2	1	0	667	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr18:20814571-20817209	exonic	CABLES1	18	20814571	20817209	0	0	0	2	1	0	2638	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr19:33406242-33417179	exonic	CEP89	19	33406242	33417179	3	0	0	2	2	0	10937	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr19:35420787-35424627	exonic	ZNF30	19	35420787	35424627	0	0	0	2	1	0	3840	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr19:46878860-46879831	exonic	PPP5C	19	46878860	46879831	0	0	0	2	1	0	971	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:120677644-120725548	exonic	PTPN4	2	120677644	120725548	0	0	0	2	1	0	47904	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:120684173-120702816	exonic	PTPN4	2	120684173	120702816	0	0	0	2	1	0	18643	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924

chr2:15601324-15674765	exonic	NBAS	2	15601324	15674765	0	0	0	2	1	0	73441	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:201994451-202000830	exonic	CFLAR	2	201994451	202000830	0	0	0	2	1	0	6379	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:240158288-240274613	exonic	HDAC4	2	240158288	240274613	0	0	0	2	1	0	116325	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:39535083-39553418	exonic	MAP4K3	2	39535083	39553418	0	0	0	2	1	0	18335	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:46587776-46588229	exonic	EPAS1	2	46587776	46588229	0	0	0	2	1	0	453	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr2:64189191-64209021	exonic	VPS54	2	64189191	64209021	0	0	0	2	1	0	19830	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr20:17928129-17937681	exonic	SNX5	20	17928129	17937681	0	0	0	2	1	0	9552	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr20:32619327-32660136	exonic	RALY	20	32619327	32660136	0	0	0	2	1	0	40809	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr20:3893104-3899443	exonic	PANK2	20	3893104	3899443	0	0	0	2	1	0	6339	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr21:34066537-34067592	exonic	SYNJ1	21	34066537	34067592	0	0	0	2	1	0	1055	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr21:40596333-40610499	exonic	BRWD1	21	40596333	40610499	0	0	0	2	1	0	14166	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr22:36914809-36915584	exonic	EIF3D	22	36914809	36915584	0	0	0	2	1	0	775	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr3:108366789-108391503	exonic	DZIP3	3	108366789	108391503	0	0	0	2	1	0	24714	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr3:123356917-123359351	exonic	MYLK	3	123356917	123359351	0	0	0	2	1	0	2434	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr3:195605123-195615477	exonic	TNK2	3	195605123	195615477	0	0	0	2	1	0	10354	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr3:47719687-47727660	exonic	SMARCC1	3	47719687	47727660	0	0	0	2	1	0	7973	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr4:170501992-170523829	exonic	NEK1	4	170501992	170523829	0	0	0	2	1	0	21837	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr4:25766947-25792196	exonic	SELIL3	4	25766947	25792196	0	0	0	2	1	0	25249	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr4:74000833-74043250	exonic	ANKRD17	4	74000833	74043250	0	0	0	2	1	0	42417	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:146070690-146080705	exonic	PPP2R2B	5	146070690	146080705	0	0	0	2	1	0	10015	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:154251289-154252211	exonic	CNOT8	5	154251289	154252211	0	0	0	2	1	0	922	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:167927595-167929110	exonic	RARS	5	167927595	167929110	0	0	0	2	1	0	1515	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:169108747-169111354	exonic	DOCK2	5	169108747	169111354	0	0	0	2	1	0	2607	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:170626673-170648844	exonic	RANBP17	5	170626673	170648844	0	0	0	2	1	0	22171	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:54763696-54786942	exonic	PLPP1	5	54763696	54786942	0	0	0	2	1	0	23246	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:56152426-56184184	exonic	MAP3K1	5	56152426	56184184	0	0	0	2	1	0	31758	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:90261231-90281339	exonic	ADGRV1	5	90261231	90281339	0	0	0	2	1	0	20108	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr5:96058342-96066564	exonic	CAST	5	96058342	96066564	0	0	0	2	1	0	8222	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr6:4935748-4937971	exonic	CDYL	6	4935748	4937971	0	0	0	2	1	0	2223	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr7:139801750-139810984	exonic	KDM7A	7	139801750	139810984	0	0	0	2	1	0	9234	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr7:140285388-140287580	exonic	DENND2A	7	140285388	140287580	0	0	0	2	1	0	2192	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr7:151900018-151904513	exonic	KMT2C	7	151900018	151904513	0	0	0	2	1	0	4495	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr7:23004033-23030758	exonic	FAM126A	7	23004033	23030758	0	0	0	2	1	0	26725	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr8:100443764-100533238	exonic	VPS13B	8	100443764	100533238	0	0	0	2	1	0	89474	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr8:103299660-103300494	exonic	UBR5	8	103299660	103300494	0	0	0	2	1	0	834	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924

chr8:125527986-125534441	exonic	TATDN1	8	125527986	125534441	0	0	0	2	1	0	6455	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr8:141710989-141900868	exonic	PTK2	8	141710989	141900868	0	0	0	2	1	0	189879	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr8:25189766-25193889	exonic	DOCK5	8	25189766	25193889	0	0	0	2	1	0	4123	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr8:28837587-28876430	exonic	HMBOX1	8	28837587	28876430	0	0	0	2	1	0	38843	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr8:42716887-42720632	exonic	RNF170	8	42716887	42720632	0	0	0	2	1	0	3745	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr9:110068659-110074018	exonic	RAD23B	9	110068659	110074018	0	0	0	2	1	0	5359	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr9:132841908-132854660	exonic	GPR107	9	132841908	132854660	0	0	0	2	1	0	12752	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr9:135218076-135224822	exonic	SETX	9	135218076	135224822	0	0	0	2	1	0	6746	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr9:19288593-19316837	exonic	DENND4C	9	19288593	19316837	0	0	0	2	1	0	28244	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr9:78547294-78641953	exonic	PCSK5	9	78547294	78641953	0	0	0	2	1	0	94659	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr9:97730039-97767898	exonic	C9orf3	9	97730039	97767898	0	0	0	2	1	0	37859	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chrX:114868311-114877820	exonic	PLS3	X	114868311	114877820	0	0	0	2	1	0	9509	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chrX:76872080-76920267	exonic	ATRX	X	76872080	76920267	0	0	0	2	1	0	48187	0.333650192	-2.029772377	4.016930749	-0.505304299	0.613345124	0.998252924
chr19:23541232-23545527	exonic	ZNF91	19	23541232	23545527	18	14	23	50	218	18	4295	46.54629591	-2.018882221	0.761422019	-2.651462881	NA	NA
chr16:68208276-68225678	exonic	NFATC3	16	68208276	68225678	0	0	1	3	3	0	17402	0.879285446	-2.015701615	2.907188204	-0.69335092	0.488089355	0.998252924
chr9:14120438-14179779	exonic	NFIB	9	14120438	14179779	0	0	1	3	3	0	59341	0.879285446	-2.015701615	2.907188204	-0.69335092	0.488089355	0.998252924
chr2:203921149-203922176	exonic	NBEAL1	2	203921149	203922176	0	1	0	3	3	0	1027	0.85629222	-2.014557585	2.932814686	-0.686902447	0.492144205	0.998252924
chr6:144811206-144814592	exonic	UTRN	6	144811206	144814592	0	1	0	3	3	0	3386	0.85629222	-2.014557585	2.932814686	-0.686902447	0.492144205	0.998252924
chr11:89133184-89135710	exonic	NOX4	11	89133184	89135710	0	3	0	2	8	3	2526	2.628325368	-2.014294033	1.852014464	-1.087623273	NA	NA
chr1:211956570-211966532	exonic	LPGAT1	1	211956570	211966532	0	0	0	1	0	1	9962	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr10:105750432-105752891	exonic	SLK	10	105750432	105752891	0	0	0	1	0	1	2459	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr10:46121398-46122553	exonic	ZFAND4	10	46121398	46122553	0	0	0	1	0	1	1155	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr10:70506917-70507323	exonic	CCAR1	10	70506917	70507323	0	0	0	1	0	1	406	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr10:99220451-99222439	exonic	MMS19	10	99220451	99222439	0	0	0	1	0	1	1988	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr11:11348632-11362551	exonic	GALNT18	11	11348632	11362551	0	0	0	1	0	1	13919	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr11:64627395-64627808	exonic	EHD1	11	64627395	64627808	0	0	0	1	0	1	413	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr11:72598514-72600990	exonic	FCHSD2	11	72598514	72600990	0	0	0	1	0	1	2476	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr12:104373608-104374740	exonic	TDG	12	104373608	104374740	0	0	0	1	0	1	1132	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr12:19436213-19436679	exonic	PLEKHA5	12	19436213	19436679	0	0	0	1	0	1	466	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr14:57713428-57714430	exonic	EXOC5	14	57713428	57714430	0	0	0	1	0	1	1002	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr15:93470473-93482948	exonic	CHD2	15	93470473	93482948	0	0	0	1	0	1	12475	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr16:11870175-11873219	exonic	ZC3H7A	16	11870175	11873219	0	0	0	1	0	1	3044	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr17:34105891-34106327	exonic	MMP28	17	34105891	34106327	0	0	0	1	0	1	436	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr17:76388556-76400170	exonic	PGS1	17	76388556	76400170	0	0	0	1	0	1	11614	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924
chr2:120677644-120684242	exonic	PTPN4	2	120677644	120684242	0	0	0	1	0	1	6598	0.414529994	-2.01328324	4.017577865	-0.50118661	0.616287614	0.998252924

chr2:32754717-32800433	exonic	BIRC6	2	32754717	32800433	0	0	0	1	0	1	45716	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr2:73659325-73747143	exonic	ALMS1	2	73659325	73747143	0	0	0	1	0	1	87818	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr3:195063199-195066046	exonic	ACAP2	3	195063199	195066046	0	0	0	1	0	1	2847	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr3:32750161-32769362	exonic	CNOT10	3	32750161	32769362	0	0	0	1	0	1	19201	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr4:106569839-106569947	exonic	ARHGEF38	4	106569839	106569947	0	0	0	1	0	1	108	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr4:75040222-75147267	exonic	MTHFD2L	4	75040222	75147267	0	0	0	1	0	1	107045	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr5:109178028-109183491	exonic	MAN2A1	5	109178028	109183491	0	0	0	1	0	1	5463	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr5:133996808-134002686	exonic	SEC24A	5	133996808	134002686	0	0	0	1	0	1	5878	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr5:36984777-36995906	exonic	NIPBL	5	36984777	36995906	0	0	0	1	0	1	11129	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr6:99862447-99864304	exonic	PNISR	6	99862447	99864304	0	0	0	1	0	1	1857	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr7:66240213-66270383	exonic	RABGEF1	7	66240213	66270383	0	0	0	1	0	1	30170	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr8:124146353-124157095	exonic	TBC1D31	8	124146353	124157095	0	0	0	1	0	1	10742	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr8:131149196-131193126	exonic	ASAP1	8	131149196	131193126	0	0	0	1	0	1	43930	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr9:127733648-127734123	exonic	SCAI	9	127733648	127734123	0	0	0	1	0	1	475	0.414529994	-2.01328324	4.017577865	-0.501118661	0.616287614	0.998252924
chr13:46090277-46093229	exonic	COG3	13	46090277	46093229	1	0	0	3	3	0	2952	0.811003364	-2.012223242	2.98800217	-0.673434331	0.500671014	0.998252924
chr4:185580493-185599548	exonic	PRIMPOL	4	185580493	185599548	1	0	0	3	3	0	19055	0.811003364	-2.012223242	2.98800217	-0.673434331	0.500671014	0.998252924
chr16:4311779-4312702	exonic	TFAP4	16	4311779	4312702	0	2	1	5	10	1	923	2.595870376	-1.998397866	1.746114301	-1.144482847	0.252423448	0.998252924
chr8:37727937-37735069	exonic	RAB11FIP1	8	37727937	37735069	0	1	3	14	6	2	7132	3.597044016	-1.9888593	1.541015356	-1.290616147	0.196836814	0.998252924
chr1:171492359-171496983	exonic	PRRC2C	1	171492359	171496983	0	0	1	4	2	0	4624	0.86456941	-1.987193369	2.930148138	-0.678188704	0.497652054	0.998252924
chr1:112175451-112193518	intronic	RAP1A	1	112175451	112193518	0	0	0	3	0	0	18067	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:114440461-114444507	exonic	AP4B1	1	114440461	114444507	0	0	0	3	0	0	4046	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:12253619-12253813	intronic	TNFRSF1B	1	12253619	12253813	0	0	0	3	0	0	194	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:145290429-145305996	exonic	NBPF10	1	145290429	145305996	0	0	0	3	0	0	15567	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:145592633-145594188	exonic	POLR3C	1	145592633	145594188	0	0	0	3	0	0	1555	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:150931653-150933667	exonic	SETDB1	1	150931653	150933667	0	0	0	3	0	0	2014	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:151495909-151498266	exonic	CGN	1	151495909	151498266	0	0	0	3	0	0	2357	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:155307380-155309159	exonic	ASH1L	1	155307380	155309159	0	0	0	3	0	0	1779	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:155783424-155784240	exonic	GON4L	1	155783424	155784240	0	0	0	3	0	0	816	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:1599766-1671143	exonic	CDK11A, CDK11B, SLC35E2, SLC35E2B	1	1599766	1671143	0	0	0	3	0	0	71377	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:160805984-160808839	exonic	CD244	1	160805984	160808839	0	0	0	3	0	0	2855	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:164761730-164790863	exonic	PBX1	1	164761730	164790863	0	0	0	3	0	0	29133	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:1666129-1671143	exonic	SLC35E2	1	1666129	1671143	0	0	0	3	0	0	5014	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:172785931-172791104	intergenic	PASLG (dist=149919), TNFSF18 (dist=219256)	1	172785931	172791104	0	0	0	3	0	0	5173	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:174241551-174340210	exonic	RABGAP1L	1	174241551	174340210	0	0	0	3	0	0	98659	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:183481972-183486955	exonic	SMG7	1	183481972	183486955	0	0	0	3	0	0	4983	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr1:193172924-193205486	exonic	CDC73	1	193172924	193205486	0	0	0	3	0	0	32562	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:19800140-19800733	intronic	CAPZB	1	19800140	19800733	0	0	0	3	0	0	593	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:213251037-213303232	exonic	RPS6KC1	1	213251037	213303232	0	0	0	3	0	0	52195	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:22074631-22079612	exonic	USP48	1	22074631	22079612	0	0	0	3	0	0	4981	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:223865640-223881240	intergenic	CAPN8 (dist=12204), CAPN2 (dist=8055)	1	223865640	223881240	0	0	0	3	0	0	15600	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:227073238-227076750	exonic	PSEN2	1	227073238	227076750	0	0	0	3	0	0	3512	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:229306988-229308892	intergenic	RHO (dist=424572), MIR4454 (dist=1538)	1	229306988	229308892	0	0	0	3	0	0	1904	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:235850248-235860572	exonic	LYST	1	235850248	235860572	0	0	0	3	0	0	10324	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:243828073-244006584	exonic	AKT3	1	243828073	244006584	0	0	0	3	0	0	178511	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:24987209-24989715	exonic	SRRM1	1	24987209	24989715	0	0	0	3	0	0	2506	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:28200657-28201174	intronic	THEMIS2	1	28200657	28201174	0	0	0	3	0	0	517	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:31819486-31821821	exonic	ZCCHC17	1	31819486	31821821	0	0	0	3	0	0	2335	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:32697345-32697785	ncRNA_exonic	MTMR9LP	1	32697345	32697785	0	0	0	3	0	0	440	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:33300649-33309609	intronic	S100BPB	1	33300649	33309609	0	0	0	3	0	0	8960	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:39752957-39768750	exonic	MACF1	1	39752957	39768750	0	0	0	3	0	0	15793	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:39816456-39838268	exonic	MACF1	1	39816456	39838268	0	0	0	2	0	0	21812	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:44568738-44571186	intergenic	SLC6A9 (dist=71574), KLF17 (dist=13336)	1	44568738	44571186	0	0	0	3	0	0	2448	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:46105881-46124814	exonic	GPBP1L1	1	46105881	46124814	0	0	0	3	0	0	18933	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:46527600-46546422	exonic	PIK3R3	1	46527600	46546422	0	0	0	3	0	0	18822	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:76215103-76216231	exonic	ACADM	1	76215103	76216231	0	0	0	3	0	0	1128	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:77533769-77534528	intergenic	ST6GALM5 (dist=4032), PTGK (dist=20139)	1	77533769	77534528	0	0	0	3	0	0	759	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr1:92554255-92595333	exonic	BTBD8	1	92554255	92595333	0	0	0	3	0	0	41078	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:103784912-103789502	exonic	C10orf76	10	103784912	103789502	0	0	0	3	0	0	4590	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:123652117-123652727	intronic	ATE1	10	123652117	123652727	0	0	0	3	0	0	610	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:125525594-125526668	exonic	CPXM2	10	125525594	125526668	0	0	0	3	0	0	1074	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:126727566-126763412	exonic	CTBP2	10	126727566	126763412	0	0	0	3	0	0	35846	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:126727566-126776888	exonic	CTBP2	10	126727566	126776888	0	0	0	3	0	0	49322	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:135209216-135216277	exonic	MTG1	10	135209216	135216277	0	0	0	3	0	0	7061	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:13708096-13712528	exonic	FRMD4A	10	13708096	13712528	0	0	0	3	0	0	4432	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:20436712-20466338	exonic	PLXDC2	10	20436712	20466338	0	0	0	3	0	0	29626	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:20558855-20559574	intronic	PLXDC2	10	20558855	20559574	0	0	0	3	0	0	719	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:26800675-26802589	exonic	APBB1IP	10	26800675	26802589	0	0	0	3	0	0	1914	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:30726104-30728203	exonic	MAP3K8	10	30726104	30728203	0	0	0	3	0	0	2099	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:32751611-32873232	exonic	CCDC7	10	32751611	32873232	0	0	0	3	0	0	121621	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:34558584-34630744	exonic	PARD3	10	34558584	34630744	0	0	0	3	0	0	72160	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr10:49533940-49618211	exonic	MAPK8	10	49533940	49618211	0	0	0	3	0	0	84271	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:64936056-64957323	exonic	JMJD1C	10	64936056	64957323	0	0	0	3	0	0	21267	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:70152894-70161494	exonic	RUFY2	10	70152894	70161494	0	0	0	3	0	0	8600	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:74914013-74923708	exonic	ECD	10	74914013	74923708	0	0	0	3	0	0	9695	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:7657944-7697638	exonic	ITIH5	10	7657944	7697638	0	0	0	3	0	0	39694	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:89268092-89280926	exonic	MINPP1	10	89268092	89280926	0	0	0	3	0	0	12834	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr10:93579027-93602148	exonic	TNKS2	10	93579027	93602148	0	0	0	3	0	0	23121	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:103173821-103306760	exonic	DYNC2H1	11	103173821	103306760	0	0	0	3	0	0	132939	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:108106396-108115753	exonic	ATM	11	108106396	108115753	0	0	0	1	2	0	9357	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:118347520-118353210	exonic	KMT2A	11	118347520	118353210	0	0	0	3	0	0	5690	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:120276826-120295124	exonic	ARHGEF12	11	120276826	120295124	0	0	0	3	0	0	18298	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:123464789-123466745	exonic	GRAMD1B	11	123464789	123466745	0	0	0	3	0	0	1956	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:15366380-15366839	intergenic	<small>INSC (dist=97624), LOC102724957 (dist=298592)</small>	11	15366380	15366839	0	0	0	3	0	0	459	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:16205431-16208501	exonic	SOX6	11	16205431	16208501	0	0	0	3	0	0	3070	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:28420335-28445911	intergenic	<small>METTL15 (dist=65281), MIR8068 (dist=53117)</small>	11	28420335	28445911	0	0	0	3	0	0	25576	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:33360302-33363232	exonic	HIPK3	11	33360302	33363232	0	0	0	3	0	0	2930	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:46776437-46782334	exonic	CKAP5	11	46776437	46782334	0	0	0	3	0	0	5897	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:63419407-63420047	exonic	ATL3	11	63419407	63420047	0	0	0	3	0	0	640	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:6344815-6363621	intergenic	<small>PRKCBP (dist=3075), SMPD1 (dist=48023)</small>	11	6344815	6363621	0	0	0	3	0	0	18806	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:63960549-63965446	exonic	STIP1	11	63960549	63965446	0	0	0	3	0	0	4897	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:68548108-68575106	exonic	CPT1A	11	68548108	68575106	0	0	0	3	0	0	26998	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:68574934-68580044	exonic	CPT1A	11	68574934	68580044	0	0	0	3	0	0	5110	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:70183470-70185412	exonic	PPFIA1	11	70183470	70185412	0	0	0	3	0	0	1942	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:72548576-72552004	exonic	FCHSD2	11	72548576	72552004	0	0	0	3	0	0	3428	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:77649696-77672184	exonic	INTS4	11	77649696	77672184	0	0	0	3	0	0	22488	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:77666987-77692622	exonic	INTS4	11	77666987	77692622	0	0	0	3	0	0	25635	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:85692788-85707972	exonic	PICALM	11	85692788	85707972	0	0	0	3	0	0	15184	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:93521166-93527201	exonic	MED17	11	93521166	93527201	0	0	0	3	0	0	6035	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:94583278-94592880	exonic	AMOTL1	11	94583278	94592880	0	0	0	3	0	0	9602	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:9735012-9770730	exonic	SWAP70	11	9735012	9770730	0	0	0	3	0	0	35718	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr11:9878004-10011142	exonic	SBF2	11	9878004	10011142	0	0	0	3	0	0	133138	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:106824050-106831557	exonic	POLR3B	12	106824050	106831557	0	0	0	3	0	0	7507	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:109210814-109212334	exonic	SSH1	12	109210814	109212334	0	0	0	3	0	0	1520	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:112707507-112711599	exonic	HECTD4	12	112707507	112711599	0	0	0	3	0	0	4092	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:117365827-117423207	exonic	FBXW8	12	117365827	117423207	0	0	0	3	0	0	57380	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr12:121154430-121154845	exonic	UNC119B	12	121154430	121154845	0	0	0	3	0	0	415	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:123362349-123364052	intronic	VPS37B	12	123362349	123364052	0	0	0	3	0	0	1703	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:124882665-124887104	exonic	NCOR2	12	124882665	124887104	0	0	0	3	0	0	4439	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:125292306-125294835	exonic	SCARB1	12	125292306	125294835	0	0	0	3	0	0	2529	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:131471639-131498885	exonic	ADGRD1	12	131471639	131498885	0	0	0	3	0	0	27246	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:26564252-26596583	exonic	ITPR2	12	26564252	26596583	0	0	0	3	0	0	32331	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:27807654-27809663	exonic	PPFIBP1	12	27807654	27809663	0	0	0	3	0	0	2009	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:31604873-31605410	exonic	DENND5B	12	31604873	31605410	0	0	0	3	0	0	537	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:42604157-42606286	exonic	YAF2	12	42604157	42606286	0	0	0	3	0	0	2129	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:464323-472263	exonic	KDM5A	12	464323	472263	0	0	0	3	0	0	7940	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:48490125-48495299	exonic	SENPI1	12	48490125	48495299	0	0	0	3	0	0	5174	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:51695803-51707687	exonic	BIN2	12	51695803	51707687	0	0	0	3	0	0	11884	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:5936934-5963307	exonic	ANO2	12	5936934	5963307	0	0	0	3	0	0	26373	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:6090952-6094831	exonic	VWF	12	6090952	6094831	0	0	0	3	0	0	3879	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:6120783-6122811	exonic	VWF	12	6120783	6122811	0	0	0	3	0	0	2028	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:62877949-62895478	exonic	MON2	12	62877949	62895478	0	0	0	3	0	0	17529	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:70953122-70975082	exonic	PTPRB	12	70953122	70975082	0	0	0	3	0	0	21960	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:93824926-93826818	intronic	UBE2N	12	93824926	93826818	0	0	0	3	0	0	1892	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr12:96704829-96728643	exonic	CDK17	12	96704829	96728643	0	0	0	3	0	0	23814	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr13:103514379-103515453	exonic	BIVM-ERCC5, ERCC5	13	103514379	103515453	0	0	0	3	0	0	1074	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr13:114806476-114823993	exonic	RASA3	13	114806476	114823993	0	0	0	3	0	0	17517	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr13:26792647-26795467	exonic	RNF6	13	26792647	26795467	0	0	0	3	0	0	2820	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr13:51957464-51963580	exonic	INTS6	13	51957464	51963580	0	0	0	3	0	0	6116	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr13:53232533-53254290	exonic	SUGT1	13	53232533	53254290	0	0	0	3	0	0	21757	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr13:78133939-78171724	exonic	SCEL	13	78133939	78171724	0	0	0	3	0	0	37785	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:103336521-103342862	exonic	TRAF3	14	103336521	103342862	0	0	0	3	0	0	6341	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:31626045-31638674	exonic	HECTD1	14	31626045	31638674	0	0	0	2	0	0	12629	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:31626045-31641328	exonic	HECTD1	14	31626045	31641328	0	0	0	2	0	0	15283	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:33004759-33069998	exonic	AKAP6	14	33004759	33069998	0	0	0	3	0	0	65239	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:36103779-36194359	exonic	RALGAPA1	14	36103779	36194359	0	0	0	3	0	0	90580	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:56119567-56126421	exonic	KTN1	14	56119567	56126421	0	2	0	1	0	0	6854	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:57051719-57103316	exonic	TMEM260	14	57051719	57103316	0	0	0	3	0	0	51597	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:58753358-58758425	ncRNA_exonic	PSMA3-AS1	14	58753358	58758425	0	0	0	3	0	0	5067	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:64532149-64532368	exonic	SYNE2	14	64532149	64532368	0	0	0	3	0	0	219	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:69542061-69558604	exonic	DCAF5	14	69542061	69558604	0	0	0	3	0	0	16543	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr14:73538334-73544244	exonic	RBM25	14	73538334	73544244	0	0	0	3	0	0	5910	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:73544076-73554869	exonic	RBM25	14	73544076	73554869	0	0	0	3	0	0	10793	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:73763798-73764706	exonic	NUMB	14	73763798	73764706	0	0	0	3	0	0	908	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:74968144-74976916	exonic	LTBP2	14	74968144	74976916	0	0	0	3	0	0	8772	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:75183967-75185271	intronic	FCF1	14	75183967	75185271	0	0	0	3	0	0	1304	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr14:86445314-86537311	ncRNA_exonic	LOC101928767	14	86445314	86537311	0	0	0	3	0	0	91997	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:100211527-100215663	exonic	MEF2A	15	100211527	100215663	0	0	0	3	0	0	4136	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:100739523-100775958	exonic	ADAMTS17	15	100739523	100775958	0	0	0	3	0	0	36435	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:25264174-25265908	intergenic	PWARS(dist=30795), SNORD109A(dist=21213)	15	25264174	25265908	0	0	0	3	0	0	1734	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:25953122-25981288	exonic	ATP10A	15	25953122	25981288	0	0	0	3	0	0	28166	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:28482108-28508315	exonic	HERC2	15	28482108	28508315	0	0	0	3	0	0	26207	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:32815230-32825569	ncRNA_exonic	WHAMMP1	15	32815230	32825569	0	0	0	3	0	0	10339	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:41361767-41372102	exonic	INO80	15	41361767	41372102	0	0	0	3	0	0	10335	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:43067332-43132631	exonic	TTBK2	15	43067332	43132631	0	0	0	3	0	0	65299	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:43122135-43164956	exonic	TTBK2	15	43122135	43164956	0	0	0	3	0	0	42821	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:50885813-50897341	exonic	TRPM7	15	50885813	50897341	0	0	0	3	0	0	11528	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:50929618-50941082	exonic	TRPM7	15	50929618	50941082	0	0	0	3	0	0	11464	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:59189313-59209198	exonic	SLTM	15	59189313	59209198	0	0	0	3	0	0	19885	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:59296201-59323901	exonic	RNF111	15	59296201	59323901	0	0	0	3	0	0	27700	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:63845913-63852169	exonic	USP3	15	63845913	63852169	0	0	0	3	0	0	6256	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:63988322-64047524	exonic	HERC1	15	63988322	64047524	0	0	0	3	0	0	59202	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:64004973-64008672	exonic	HERC1	15	64004973	64008672	0	0	0	3	0	0	3699	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:64496639-64497148	exonic	CSNK1G1	15	64496639	64497148	0	0	0	3	0	0	509	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:72252241-72338975	exonic	MYO9A	15	72252241	72338975	0	0	0	3	0	0	86734	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:78322348-78337410	exonic	TBC1D2B	15	78322348	78337410	0	0	0	3	0	0	15062	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:90969341-90977027	exonic	IQGAP1	15	90969341	90977027	0	0	0	3	0	0	7686	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:90969341-91010824	exonic	IQGAP1	15	90969341	91010824	0	0	0	3	0	0	41483	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:94899365-94913409	exonic	MCTP2	15	94899365	94913409	0	0	0	3	0	0	14044	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr15:99434553-99442850	exonic	IGF1R	15	99434553	99442850	0	0	0	3	0	0	8297	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:1451568-1453345	exonic	UNKL	16	1451568	1453345	0	0	0	3	0	0	1777	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:15162025-15173953	exonic	RRN3	16	15162025	15173953	0	0	0	3	0	0	11928	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:16165498-16173335	exonic	ABCC1	16	16165498	16173335	0	0	0	3	0	0	7837	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:19191712-19195469	exonic	SYT17	16	19191712	19195469	0	0	0	3	0	0	3757	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:19653717-19663412	exonic	C16orf62	16	19653717	19663412	0	0	0	3	0	0	9695	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:2106197-2108874	exonic	TSC2	16	2106197	2108874	0	0	0	3	0	0	2677	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr16:49443260-49448800	intergenic	Cl6orf78(dist=9918), ZNF423(dist=75715)	16	49443260	49448800	0	0	0	3	0	0	5540	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:49764682-49856649	exonic	ZNF423	16	49764682	49856649	0	0	0	3	0	0	91967	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:66551039-66551780	exonic	TK2	16	66551039	66551780	0	0	0	3	0	0	741	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:69317951-69318147	exonic	SNTB2	16	69317951	69318147	0	0	0	3	0	0	196	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:74982416-74990508	exonic	WDR59	16	74982416	74990508	0	0	0	3	0	0	8092	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:75425278-75448593	exonic	CFDP1	16	75425278	75448593	0	0	0	3	0	0	23315	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:87412830-87415564	intronic	FBXO31	16	87412830	87415564	0	0	0	3	0	0	2734	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:88014641-88017865	exonic	BANP	16	88014641	88017865	0	0	0	3	0	0	3224	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:88664585-88666356	exonic	ZC3H18	16	88664585	88666356	0	0	0	3	0	0	1771	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr16:88677675-88677944	exonic	ZC3H18	16	88677675	88677944	0	0	0	3	0	0	269	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:18768781-18785996	exonic	PRPSAP2	17	18768781	18785996	0	0	0	3	0	0	17215	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:19741813-19746535	exonic	ULK2	17	19741813	19746535	0	0	0	3	0	0	4722	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:28011581-28085411	exonic	SSH2	17	28011581	28085411	0	0	0	3	0	0	73830	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:2894590-2923889	exonic	RAP1GAP2	17	2894590	2923889	0	0	0	3	0	0	29299	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:30870167-30870920	intronic	MYO1D	17	30870167	30870920	0	0	0	3	0	0	753	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:31065270-31099860	exonic	MYO1D	17	31065270	31099860	0	0	0	3	0	0	34590	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:34158990-34208784	exonic	CCL5, HEATR9, TAF15	17	34158990	34208784	0	0	0	3	0	0	49794	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:40986532-40991029	exonic	PSME3	17	40986532	40991029	0	0	0	3	0	0	4497	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:4139066-4145743	exonic	ANKFY1	17	4139066	4145743	0	0	0	3	0	0	6677	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:45668082-45669911	exonic	NPEPPS	17	45668082	45669911	0	0	0	3	0	0	1829	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:45740454-45752148	exonic	KPNB1	17	45740454	45752148	0	0	0	3	0	0	11694	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:46187329-46195399	exonic	SNX11	17	46187329	46195399	0	0	0	3	0	0	8070	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:46925425-46937811	exonic	CALCOCO2	17	46925425	46937811	0	0	0	3	0	0	12386	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:49271068-49272216	intronic	MBTD1	17	49271068	49272216	0	0	0	3	0	0	1148	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:55607037-55693445	exonic	MSI2	17	55607037	55693445	0	0	0	3	0	0	86408	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:57141716-57161450	exonic	TRIM37	17	57141716	57161450	0	0	0	3	0	0	19734	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:57890222-57891394	intronic	VMP1	17	57890222	57891394	0	0	0	3	0	0	1172	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:60032297-60033842	exonic	MED13	17	60032297	60033842	0	0	0	3	0	0	1545	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:6493098-6515468	exonic	KIAA0753	17	6493098	6515468	0	0	0	3	0	0	22370	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:65468671-65469086	intronic	PITPNC1	17	65468671	65469086	0	0	0	3	0	0	415	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:65955657-65962772	exonic	BPTF	17	65955657	65962772	0	0	0	3	0	0	7115	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:7093888-7094628	exonic	DLG4	17	7093888	7094628	0	0	0	3	0	0	740	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:74287095-74290102	exonic	QRICH2	17	74287095	74290102	0	0	0	3	0	0	3007	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:76069117-76083174	exonic	TNRC6C	17	76069117	76083174	0	0	0	3	0	0	14057	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:80962990-81006661	exonic	B3GNTL1	17	80962990	81006661	0	0	0	3	0	0	43671	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr18:10672686-10680368	exonic	PIEZO2	18	10672686	10680368	0	0	0	3	0	0	7682	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:21757976-21759799	exonic	OSBPL1A	18	21757976	21759799	0	0	0	3	0	0	1823	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:45368163-45423180	exonic	SMAD2	18	45368163	45423180	0	0	0	3	0	0	55017	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:6171826-6244587	exonic	L3MBTL4	18	6171826	6244587	0	0	0	3	0	0	72761	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:66490603-66542022	exonic	CCDC102B	18	66490603	66542022	0	0	0	3	0	0	51419	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:66541906-66564919	exonic	CCDC102B	18	66541906	66564919	0	0	0	3	0	0	23013	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:6824761-6859896	exonic	ARHGAP28	18	6824761	6859896	0	0	0	3	0	0	35135	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:6824761-6873774	exonic	ARHGAP28	18	6824761	6873774	0	0	0	3	0	0	49013	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:76886266-77013541	exonic	ATP9B	18	76886266	77013541	0	0	0	3	0	0	127275	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:76886266-77037196	exonic	ATP9B	18	76886266	77037196	0	0	0	3	0	0	150930	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr18:9775274-9815219	exonic	RAB31	18	9775274	9815219	0	0	0	3	0	0	39945	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:10103503-10104482	exonic	COL5A3	19	10103503	10104482	0	0	0	3	0	0	979	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:11101825-11107220	exonic	SMARCA4	19	11101825	11107220	0	0	0	3	0	0	5395	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:11151973-11170863	exonic	SMARCA4	19	11151973	11170863	0	0	0	3	0	0	18890	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:11209245-11210349	intronic	LDLR	19	11209245	11210349	0	0	0	3	0	0	1104	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:14104337-14109129	exonic	RFX1	19	14104337	14109129	0	0	0	3	0	0	4792	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:15475545-15476615	intronic	AKAP8	19	15475545	15476615	0	0	0	3	0	0	1070	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:16198836-16199930	exonic	TPM4	19	16198836	16199930	0	0	0	3	0	0	1094	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:38582612-38583594	intronic	SIPA1L3	19	38582612	38583594	0	0	0	3	0	0	982	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:41754418-41754725	exonic	AXL	19	41754418	41754725	0	0	0	3	0	0	307	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:42740757-42744294	exonic	GSK3A	19	42740757	42744294	0	0	0	3	0	0	3537	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:4405908-4409756	exonic	CHAF1A	19	4405908	4409756	0	0	0	3	0	0	3848	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:44495700-44648800	exonic	ZNF155, ZNF222, ZNF223, ZNF224, ZNF225, ZNF230, ZNF234, ZNF284	19	44495700	44648800	0	0	0	3	0	0	153100	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:45690589-45690998	intergenic	BLOC1S3 (dist=5530), EXOC3L2 (dist=24881)	19	45690589	45690998	0	0	0	3	0	0	409	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:48737660-48745901	exonic	CARD8	19	48737660	48745901	0	0	0	3	0	0	8241	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:48741639-48744320	exonic	CARD8	19	48741639	48744320	0	0	0	3	0	0	2681	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:49230041-49230687	exonic	RASIP1	19	49230041	49230687	0	0	0	3	0	0	646	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:49834874-49835577	intergenic	SLCGA16 (dist=6400), CD37 (dist=3100)	19	49834874	49835577	0	0	0	3	0	0	703	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:51303935-51305007	intronic	C19orf48	19	51303935	51305007	0	0	0	3	0	0	1072	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:52873040-52896041	exonic	ZNF880	19	52873040	52896041	0	0	0	3	0	0	23001	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:53158814-53164096	UTR5	-----	19	53158814	53164096	0	0	0	3	0	0	5282	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:53438681-53439239	ncRNA_intronic	ZNF321P	19	53438681	53439239	0	0	0	3	0	0	558	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:54378075-54379033	UTR3	-----	19	54378075	54379033	0	0	0	3	0	0	958	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:58290119-58291514	exonic	ZNF586	19	58290119	58291514	0	0	0	3	0	0	1395	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr19:58499574-58511264	exonic	ZNF606	19	58499574	58511264	0	0	0	3	0	0	11690	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr19:5941631-5957984	exonic	RANBP3	19	5941631	5957984	0	0	0	3	0	0	16353	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:102472438-102476326	exonic	MAP4K4	2	102472438	102476326	0	0	0	3	0	0	3888	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:10823142-10824211	intronic	NOL10	2	10823142	10824211	0	0	0	3	0	0	1069	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:113145600-113163961	exonic	RGPD5, RGPD8	2	113145600	113163961	0	0	0	3	0	0	18361	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:114476730-114493435	exonic	SLC35F5	2	114476730	114493435	0	0	0	3	0	0	16705	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:133531388-133547778	exonic	NCKAP5	2	133531388	133547778	0	0	0	3	0	0	16390	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:153405534-153417549	exonic	FMNL2	2	153405534	153417549	0	0	0	3	0	0	12015	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:15432661-15436349	exonic	NBAS	2	15432661	15436349	0	0	0	3	0	0	3688	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:160229555-160245996	exonic	BAZ2B	2	160229555	160245996	0	0	0	3	0	0	16441	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:165689457-165690087	intronic	COBLL1	2	165689457	165690087	0	0	0	3	0	0	630	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:173825488-173832172	exonic	RAPGEF4	2	173825488	173832172	0	0	0	3	0	0	6684	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:175711607-175742856	exonic	CHN1	2	175711607	175742856	0	0	0	3	0	0	31249	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:184043535-184047408	intergenic	<small>NIP35 (dist=17123), MIR548AE1 (dist=1196294)</small>	2	184043535	184047408	0	0	0	3	0	0	3873	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:188243667-188250358	exonic	CALCRL	2	188243667	188250358	0	0	0	3	0	0	6691	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:191927487-191931241	exonic	STAT4	2	191927487	191931241	0	0	0	3	0	0	3754	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:197105172-197172809	exonic	HECW2	2	197105172	197172809	0	0	0	3	0	0	67637	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:202272125-202285429	exonic	TRAK2	2	202272125	202285429	0	0	0	3	0	0	13304	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:203817281-203818857	exonic	CARF	2	203817281	203818857	0	0	0	3	0	0	1576	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:231314275-231371160	exonic	SP100	2	231314275	231371160	0	0	0	3	0	0	56885	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:238434243-238436159	exonic	MLPH	2	238434243	238436159	0	0	0	3	0	0	1916	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:242263630-242275513	exonic		2-Sep	242263630	242275513	0	0	2	2	0	0	11883	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:242343242-242357524	exonic	FARP2	2	242343242	242357524	0	0	0	3	0	0	14282	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:24777258-24807429	UTR5	-----	2	24777258	24807429	0	0	0	3	0	0	30171	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:29356520-29366811	exonic	CLIP4	2	29356520	29366811	0	0	0	3	0	0	10291	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:30748452-30791042	exonic	LCLAT1	2	30748452	30791042	0	0	0	3	0	0	42590	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:33477743-33590570	exonic	LTBP1	2	33477743	33590570	0	0	0	3	0	0	112827	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:36596251-36623930	exonic	CRIM1	2	36596251	36623930	0	0	0	3	0	0	27679	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:37329066-37331275	intergenic	<small>SPATCH11 (dist=2679), EIF2AK2 (dist=1009)</small>	2	37329066	37331275	0	0	0	3	0	0	2209	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:38545676-38546161	exonic	ATL2	2	38545676	38546161	0	0	0	3	0	0	485	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:46067519-46070202	exonic	PRKCE	2	46067519	46070202	0	0	0	3	0	0	2683	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:65696648-65717333	intergenic	<small>SPRED2 (dist=36992), MIR4778 (dist=868048)</small>	2	65696648	65717333	0	0	0	3	0	0	20685	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:8342077-8385270	ncRNA_intronic	LINCO0299	2	8342077	8385270	0	0	0	3	0	0	43193	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:9650107-9661445	exonic	ADAM17	2	9650107	9661445	0	0	0	3	0	0	11338	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr2:9650107-9663467	exonic	ADAM17	2	9650107	9663467	0	0	0	3	0	0	13360	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr20:13550153-13568017	exonic	TASPI	20	13550153	13568017	0	0	0	3	0	0	17864	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr20:1558983-1559340	exonic	SIRPB1	20	1558983	1559340	0	0	0	3	0	0	357	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr20:3893105-3894259	exonic	PANK2	20	3893105	3894259	0	0	0	3	0	0	1154	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr20:39741421-39744079	exonic	TOP1	20	39741421	39744079	0	0	0	3	0	0	2658	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr20:45905057-45905539	exonic	ZMYND8	20	45905057	45905539	0	0	0	3	0	0	482	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr20:58318161-58330419	exonic	PHACTR3	20	58318161	58330419	0	0	0	3	0	0	12258	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr20:58342240-58349545	exonic	PHACTR3	20	58342240	58349545	0	0	0	3	0	0	7305	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr20:62528655-62542120	intronic	DNAJC5	20	62528655	62542120	0	0	0	3	0	0	13465	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr21:22652897-22664561	exonic	NCAM2	21	22652897	22664561	0	0	0	3	0	0	11664	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr21:34937074-34947436	exonic	SON	21	34937074	34947436	0	0	0	3	0	0	10362	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr22:18383607-18389652	exonic	MICAL3	22	18383607	18389652	0	0	0	3	0	0	6045	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr22:27113216-27114194	ncRNA_exonic	MIATNB	22	27113216	27114194	0	0	0	3	0	0	978	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr22:29915996-29921935	exonic	THOC5	22	29915996	29921935	0	0	0	3	0	0	5939	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr22:38889714-38894578	exonic	DDX17	22	38889714	38894578	0	0	0	3	0	0	4864	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr22:41855945-41856491	exonic	PHF5A	22	41855945	41856491	0	0	0	3	0	0	546	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr22:50251872-50253301	intronic	ZBED4	22	50251872	50253301	0	0	0	3	0	0	1429	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:100053473-100067725	exonic	NIT2	3	100053473	100067725	0	0	0	3	0	0	14252	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:111342601-111368705	exonic	CD96	3	111342601	111368705	0	0	0	3	0	0	26104	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:114412374-114462626	ncRNA_exonic	MIR4796	3	114412374	114462626	0	0	0	3	0	0	50252	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:117314324-117355674	intergenic		3	117314324	117355674	0	0	0	3	0	0	41350	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:123411581-123420356	exonic	MYLK	3	123411581	123420356	0	0	0	3	0	0	8775	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:126189233-126193038	exonic	ZXDC	3	126189233	126193038	0	0	0	3	0	0	3805	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:129599152-129603814	UTR5		3	129599152	129603814	0	0	0	3	0	0	4662	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:1320097-1339675	exonic	CNTN6	3	1320097	1339675	0	0	0	3	0	0	19578	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:1337284-1339675	exonic	CNTN6	3	1337284	1339675	0	0	0	3	0	0	2391	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:138261533-138291774	exonic	CEP70	3	138261533	138291774	0	0	0	3	0	0	30241	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:138261533-138291826	exonic	CEP70	3	138261533	138291826	0	0	0	3	0	0	30293	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:148711928-148714691	exonic	GYG1	3	148711928	148714691	0	0	0	3	0	0	2763	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:153912433-153943799	exonic	ARHGEF26	3	153912433	153943799	0	0	0	3	0	0	31366	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:167319915-167345080	exonic	WDR49	3	167319915	167345080	0	0	0	3	0	0	25165	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:183361267-183382827	exonic	KLHL24	3	183361267	183382827	0	0	0	3	0	0	21560	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:183368083-183382827	exonic	KLHL24	3	183368083	183382827	0	0	0	3	0	0	14744	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:183474315-183480067	exonic	YEATS2	3	183474315	183480067	0	0	0	3	0	0	5752	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:188476420-188478070	exonic	LPP	3	188476420	188478070	0	0	0	3	0	0	1650	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:188880970-188882046	intergenic		3	188880970	188882046	0	0	0	3	0	0	1076	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	
chr3:195404598-195410736	ncRNA_exonic	SDHAP2	3	195404598	195410736	0	0	0	3	0	0	6138	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA	

chr3:195800800-195802231	exonic	TFRC	3	195800800	195802231	0	0	0	3	0	0	1431	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:196098767-196129890	exonic	UBXN7	3	196098767	196129890	0	0	0	3	0	0	31123	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:196541321-196545027	exonic	PAK2	3	196541321	196545027	0	0	0	3	0	0	3706	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:196857397-196876667	exonic	DLG1	3	196857397	196876667	0	0	0	3	0	0	19270	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:197557640-197559188	exonic	LRCH3	3	197557640	197559188	0	0	0	3	0	0	1548	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:23942298-23952412	exonic	NKIRAS1	3	23942298	23952412	0	0	0	3	0	0	10114	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:37100280-37190529	exonic	LRRFIP2	3	37100280	37190529	0	0	0	3	0	0	90249	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:41973335-41979689	exonic	ULK4	3	41973335	41979689	0	0	0	3	0	0	6354	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:47956307-47960331	exonic	MAP4	3	47956307	47960331	0	0	0	3	0	0	4024	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:50091767-50095995	exonic	RBM6	3	50091767	50095995	0	0	0	3	0	0	4228	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:51466712-51467664	exonic	VPRBP	3	51466712	51467664	0	0	0	3	0	0	952	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:57561274-57569734	exonic	ARF4	3	57561274	57569734	0	0	0	3	0	0	8460	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:58256658-58271180	exonic	ABHD6	3	58256658	58271180	0	0	0	3	0	0	14522	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:61608137-61609229	intronic	PTPRG	3	61608137	61609229	0	0	0	3	0	0	1092	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:73004248-73016870	exonic	GXYLT2	3	73004248	73016870	0	0	0	3	0	0	12622	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:78710179-78742506	exonic	ROBO1	3	78710179	78742506	0	0	0	3	0	0	32327	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr3:8524341-8524549	ncRNA_intronic	LMCD1-AS1	3	8524341	8524549	0	0	0	3	0	0	208	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:107133906-107176204	exonic	TBCK	4	107133906	107176204	0	0	0	3	0	0	42298	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:143066992-143114348	exonic	INPP4B	4	143066992	143114348	0	0	0	3	0	0	47356	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:148958909-148971100	exonic	ARHGAP10	4	148958909	148971100	0	0	0	3	0	0	12191	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:183812556-183836728	exonic	DCTD	4	183812556	183836728	0	0	0	3	0	0	24172	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:184930311-184932576	exonic	STOX2	4	184930311	184932576	0	0	0	3	0	0	2265	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:2659529-2674099	exonic	FAM193A	4	2659529	2674099	0	0	0	3	0	0	14570	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:2803913-2817982	exonic	SH3BP2	4	2803913	2817982	0	0	0	3	0	0	14069	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:39875909-39902127	exonic	PDS5A	4	39875909	39902127	0	0	0	3	0	0	26218	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:39918667-39929784	exonic	PDS5A	4	39918667	39929784	0	0	0	3	0	0	11117	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:40484516-40509610	ncRNA_exonic	MIR4802	4	40484516	40509610	0	0	0	3	0	0	25094	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:54249940-54262228	exonic	FIP1L1	4	54249940	54262228	0	0	0	3	0	0	12288	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:6599924-6602483	exonic	MAN2B2	4	6599924	6602483	0	0	0	3	0	0	2559	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:74904007-74964401	exonic	CXCL2, CXCL3	4	74904007	74964401	0	0	0	3	0	0	60394	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:83266654-83266789	intergenic	RASGEF1B (dist=873572), HNRNPD (dist=7678)	4	83266654	83266789	0	0	0	3	0	0	135	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr4:99495608-99496056	intronic	TSPAN5	4	99495608	99496056	0	0	0	3	0	0	448	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:115188676-115205825	exonic	AP3S1	5	115188676	115205825	0	0	0	3	0	0	17149	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:115627214-115639380	exonic	COMMD10	5	115627214	115639380	0	0	0	3	0	0	12166	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:132224770-132228810	exonic	AFF4	5	132224770	132228810	0	0	0	3	0	0	4040	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr5:133502189-133503323	exonic	SKP1	5	133502189	133503323	0	0	0	3	0	0	1134	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:134135336-134135732	intronic	DDX46	5	134135336	134135732	0	0	0	3	0	0	396	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:137758237-137758723	intronic	KDM3B	5	137758237	137758723	0	0	0	3	0	0	486	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:141041251-141041822	exonic	ARAP3	5	141041251	141041822	0	0	0	3	0	0	571	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:141105176-141106430	intergenic	ARAP3 (dist=43376), PCDH11 (dist=126246)	5	141105176	141106430	0	0	0	3	0	0	1254	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:14362114-14363221	intronic	TRIO	5	14362114	14363221	0	0	0	3	0	0	1107	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:14678790-14693203	exonic	OTULIN	5	14678790	14693203	0	0	0	3	0	0	14413	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:149440424-149441412	exonic	CSF1R	5	149440424	149441412	0	0	0	3	0	0	988	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:176954916-176958522	intronic	FAM193B	5	176954916	176958522	0	0	0	3	0	0	3606	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:33637681-33662145	exonic	ADAMTS12	5	33637681	33662145	0	0	0	3	0	0	24464	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:34124523-34169258	ncRNA_exonic	CIQTNF3-AMACR	5	34124523	34169258	0	0	0	3	0	0	44735	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:78919074-78941015	exonic	PAPD4	5	78919074	78941015	0	0	0	3	0	0	21941	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:86563718-86563977	upstream	RASA1 (dist=93)	5	86563718	86563977	0	0	0	3	0	0	259	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:86627164-86649052	exonic	RASA1	5	86627164	86649052	0	0	0	3	0	0	21888	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr5:94244955-94253678	exonic	MCTP1	5	94244955	94253678	0	0	0	3	0	0	8723	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:101163337-101173579	exonic	ASCC3	6	101163337	101173579	0	0	0	3	0	0	10242	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:10728873-10731082	exonic	TMEM14C	6	10728873	10731082	0	0	0	3	0	0	2209	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:109894644-109931716	exonic	AK9	6	109894644	109931716	0	0	0	3	0	0	37072	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:110531909-110534363	exonic	CDC40	6	110531909	110534363	0	0	0	3	0	0	2454	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:111891288-111897673	exonic	TRAF3IP2	6	111891288	111897673	0	0	0	3	0	0	6385	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:130496985-130505768	exonic	SAMD3	6	130496985	130505768	0	0	0	3	0	0	8783	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:136904692-136980516	exonic	MAP3K5	6	136904692	136980516	0	0	0	3	0	0	75824	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:136958462-136990533	exonic	MAP3K5	6	136958462	136990533	0	0	0	3	0	0	32071	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:144093394-144104417	exonic	PHACTR2	6	144093394	144104417	0	0	0	3	0	0	11023	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:144858717-144878447	exonic	UTRN	6	144858717	144878447	0	0	0	3	0	0	19730	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:151108072-151111251	intronic	PLEKHG1	6	151108072	151111251	0	0	0	3	0	0	3179	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:155131148-155148374	exonic	SCAF8	6	155131148	155148374	0	0	0	3	0	0	17226	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:163983101-163984354	exonic	QKI	6	163983101	163984354	0	0	0	3	0	0	1253	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:166843941-166864721	exonic	RPS6KA2	6	166843941	166864721	0	0	0	3	0	0	20780	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:18161557-18166609	exonic	KDM1B	6	18161557	18166609	0	0	0	3	0	0	5052	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:26426469-26429013	ncRNA_exonic	BTN2A3P	6	26426469	26429013	0	0	0	3	0	0	2544	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:2779496-2784637	exonic	WRNIP1	6	2779496	2784637	0	0	0	3	0	0	5141	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:39507779-39581094	exonic	KIF6	6	39507779	39581094	0	0	0	3	0	0	73315	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:43495372-43496666	exonic	XPO5	6	43495372	43496666	0	0	0	3	0	0	1294	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr6:43585580-43586002	UTR3		6	43585580	43586002	0	0	0	3	0	0	422	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chr8:38105231-38119117	exonic	DDHD2	8	38105231	38119117	0	0	0	3	0	0	13886	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr8:42202471-42210086	exonic	POLB	8	42202471	42210086	0	0	0	3	0	0	7615	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr8:56695306-56708711	exonic	TGS1	8	56695306	56708711	0	0	0	3	0	0	13405	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr8:56854413-56860282	exonic	LYN	8	56854413	56860282	0	0	0	3	0	0	5869	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr8:92998351-93029591	exonic	RUNX1T1	8	92998351	93029591	0	0	0	3	0	0	31240	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr8:94776069-94797606	exonic	TMEM67	8	94776069	94797606	0	0	0	3	0	0	21537	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr8:98703179-98731417	exonic	MTDH	8	98703179	98731417	0	0	0	3	0	0	28238	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:101891137-101911583	exonic	TGFBR1	9	101891137	101911583	0	0	0	3	0	0	20446	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:113148177-113166832	exonic	SVEP1	9	113148177	113166832	0	0	0	3	0	0	18655	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:113191422-113198784	exonic	SVEP1	9	113191422	113198784	0	0	0	3	0	0	7362	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:114825216-114841004	exonic	SUSD1	9	114825216	114841004	0	0	0	3	0	0	15788	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:126214555-126217058	exonic	DENND1A	9	126214555	126217058	0	0	0	3	0	0	2503	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:127915811-127916264	exonic	PPP6C	9	127915811	127916264	0	0	0	3	0	0	453	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:132658116-132671278	exonic	FNBP1	9	132658116	132671278	0	0	0	3	0	0	13162	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:134525515-134526336	exonic	RAPGEF1	9	134525515	134526336	0	0	0	3	0	0	821	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:135172273-135187243	exonic	SETX	9	135172273	135187243	0	0	0	3	0	0	14970	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:135212376-135215109	intronic	SETX	9	135212376	135215109	0	0	0	3	0	0	2733	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:135802587-135804339	exonic	TSC1	9	135802587	135804339	0	0	0	3	0	0	1752	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:137619111-137630654	exonic	COL5A1	9	137619111	137630654	0	0	0	3	0	0	11543	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:19276155-19300329	exonic	DENND4C	9	19276155	19300329	0	0	0	3	0	0	24174	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:19288593-19328160	exonic	DENND4C	9	19288593	19328160	0	0	0	3	0	0	39567	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:35295692-35366990	exonic	UNC13B	9	35295692	35366990	0	0	0	3	0	0	71298	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:36474233-36476630	intergenic	RNF38 (dist=73038), MELK (dist=96229)	9	36474233	36476630	0	0	0	3	0	0	2397	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:4833154-4860901	exonic	RCL1	9	4833154	4860901	0	0	0	3	0	0	27747	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:7011697-7049200	exonic	KDM4C	9	7011697	7049200	0	0	0	3	0	0	37503	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:78916668-78929963	exonic	PCSK5	9	78916668	78929963	0	0	0	3	0	0	13295	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:86465621-86465862	intronic	KIF27	9	86465621	86465862	0	0	0	3	0	0	241	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:87317073-87342874	exonic	NTRK2	9	87317073	87342874	0	0	0	3	0	0	25801	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:88952333-88961395	exonic	ZCCHC6	9	88952333	88961395	0	0	0	3	0	0	9062	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:95765206-95768462	exonic	FGD3	9	95765206	95768462	0	0	0	3	0	0	3256	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:96392251-96398807	exonic	PHF2	9	96392251	96398807	0	0	0	3	0	0	6556	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr9:96857599-96870238	exonic	PTPDC1	9	96857599	96870238	0	0	0	3	0	0	12639	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:102152502-102160665	intergenic	LINC00630 (dist=12164), RAB40AL (dist=31535)	X	102152502	102160665	0	0	0	3	0	0	8163	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:11196219-11207104	exonic	ARHGAP6	X	11196219	11207104	0	0	0	3	0	0	10885	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:128250587-128256170	intergenic	ACTRT1 (dist=1064205), SMARCA1 (dist=324308)	X	128250587	128256170	0	0	0	3	0	0	5583	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA

chrX:135312543-135326954	exonic	MAP7D3	X	135312543	135326954	0	0	0	3	0	0	14411	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:1407412-1407781	exonic	CSF2RA	X	1407412	1407781	0	0	0	3	0	0	369	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:148601354-148606303	intergenic		X	148601354	148606303	0	0	0	3	0	0	4949	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:149895686-149905920	exonic	MTMR1	X	149895686	149905920	0	0	0	3	0	0	10234	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:19948352-19950759	intronic	CXorf23	X	19948352	19950759	0	0	0	3	0	0	2407	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:32305645-32366645	exonic	DMD	X	32305645	32366645	0	0	0	3	0	0	61000	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:3735586-3736541	ncRNA_exonic	LOC389906	X	3735586	3736541	0	0	0	3	0	0	955	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:37892786-37893261	exonic	SYTL5	X	37892786	37893261	0	0	0	3	0	0	475	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrX:67283695-67293141	exonic	OPHN1	X	67283695	67293141	0	0	0	3	0	0	9446	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrY:14798442-14813984	ncRNA_exonic	TTY15	Y	14798442	14813984	0	0	0	3	0	0	15542	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chrY:21203256-21210798	ncRNA_intronic	TTY14	Y	21203256	21210798	0	0	0	3	0	0	7542	0.318934155	-1.984826747	4.018710979	-0.493896366	NA	NA
chr17:76082583-76083174	exonic	TNRC6C	17	76082583	76083174	1	0	0	4	2	0	591	0.796287327	-1.983462573	3.013079272	-0.658284231	0.510355509	0.998252924
chr5:107521817-107684231	exonic	FBXL17	5	107521817	107684231	1	0	0	4	2	0	162414	0.796287327	-1.983462573	3.013079272	-0.658284231	0.510355509	0.998252924
chr17:57842331-57851246	exonic	VMP1	17	57842331	57851246	0	2	0	5	4	1	8915	1.67243682	-1.976561342	2.158567857	-0.915681819	0.359833804	0.998252924
chr1:78183551-78191447	exonic	USP33	1	78183551	78191447	2	0	2	7	5	4	7896	3.234703177	-1.962569393	1.55478504	-1.262276998	0.20684913	0.998252924
chr16:67662272-67663436	exonic	CTCF	16	67662272	67663436	2	2	0	4	9	3	1164	3.045673647	-1.958187788	1.591588683	-1.23033533	0.218571559	0.998252924
chr1:39381233-39385009	exonic	RHBDL2	1	39381233	39385009	1	0	0	0	1	2	3776	0.866451582	-1.957964283	3.011012932	-0.650267643	0.515519354	0.998252924
chr10:71964628-71969441	exonic	PPA1	10	71964628	71969441	1	0	0	0	1	2	4813	0.866451582	-1.957964283	3.011012932	-0.650267643	0.515519354	0.998252924
chr2:232879544-232894790	exonic	DIS3L2	2	232879544	232894790	0	0	1	5	1	0	15246	0.849853373	-1.956966942	2.977805005	-0.657184382	0.511062367	0.998252924
chr5:43675612-43677908	exonic	NNT	5	43675612	43677908	0	0	1	5	1	0	2296	0.849853373	-1.956966942	2.977805005	-0.657184382	0.511062367	0.998252924
chr6:158922709-158925210	exonic	TULP4	6	158922709	158925210	0	0	1	5	1	0	2501	0.849853373	-1.956966942	2.977805005	-0.657184382	0.511062367	0.998252924
chr11:68318588-68331900	exonic	PPP6R3	11	68318588	68331900	3	0	1	9	4	3	13312	2.949797834	-1.956351262	1.618482101	-1.208756811	0.226756289	0.998252924
chr17:16040624-16068475	exonic	NCOR1	17	16040624	16068475	0	1	0	0	1	2	27851	0.911740438	-1.953871327	2.961891024	-0.659670228	0.509465476	0.998252924
chr20:54956488-54961589	exonic	AURKA	20	54956488	54961589	0	1	0	0	1	2	5101	0.911740438	-1.953871327	2.961891024	-0.659670228	0.509465476	0.998252924
chr7:24659670-24690331	exonic	MPP6	7	24659670	24690331	0	1	0	0	1	2	30661	0.911740438	-1.953871327	2.961891024	-0.659670228	0.509465476	0.998252924
chr1:237729866-237732619	exonic	RYR2	1	237729866	237732619	1	0	0	5	1	0	2753	0.78157129	-1.953104724	3.062708318	-0.637705103	0.523665663	0.998252924
chr19:11324950-11328067	exonic	DOCK6	19	11324950	11328067	1	0	0	5	1	0	3117	0.78157129	-1.953104724	3.062708318	-0.637705103	0.523665663	0.998252924
chr2:242396161-242415402	exonic	FARP2	2	242396161	242415402	1	0	0	5	1	0	19241	0.78157129	-1.953104724	3.062708318	-0.637705103	0.523665663	0.998252924
chr4:129867161-129925031	exonic	SCLT1	4	129867161	129925031	1	0	0	5	1	0	57870	0.78157129	-1.953104724	3.062708318	-0.637705103	0.523665663	0.998252924
chr17:62130139-62130731	exonic	ERN1	17	62130139	62130731	0	0	1	0	1	2	592	0.934733665	-1.951880604	2.939034753	-0.664123009	0.506611585	0.998252924
chr7:32672154-32718742	ncRNA_exonic	DPY19L1P1	7	32672154	32718742	3	0	0	0	6	3	46588	2.037781186	-1.95165171	2.198721635	-0.887630193	NA	NA
chr7:158672374-158684024	exonic	WDR60	7	158672374	158684024	1	2	0	3	1	5	11650	2.458593162	-1.946025432	1.845388857	-1.054534075	NA	NA
chr8:37971709-37976881	exonic	ASH2L	8	37971709	37976881	3	0	1	7	10	1	5172	2.846902377	-1.942654083	1.660740305	-1.169751873	0.242100836	0.998252924
chr14:31596990-31641328	exonic	HECTD1	14	31596990	31641328	1	0	1	5	3	0	44338	1.595277533	-1.935718624	2.117260847	-0.91425609	0.360582297	0.998252924
chr1:237756775-237778143	exonic	RYR2	1	237756775	237778143	1	0	0	1	0	2	21368	0.851735546	-1.927265616	3.026657582	-0.636763679	0.524278788	0.998252924

chr19:2076809-2078678	exonic	MOB3A	19	2076809	2078678	1	0	0	1	0	2	1869	0.851735546	-1.927265616	3.026657582	-0.636763679	0.524278788	0.998252924
chr11:62303416-62304039	exonic	AHNAK	11	62303416	62304039	2	0	2	20	2	0	623	3.020794483	-1.924214022	1.803276858	-1.067065223	NA	NA
chr2:242651392-242662686	exonic	ING5	2	242651392	242662686	2	0	0	0	4	2	11294	1.35852079	-1.922505223	2.545093382	-0.755377086	NA	NA
chr15:50757243-50763992	exonic	USP8	15	50757243	50763992	1	1	0	6	4	0	6749	1.42524074	-1.921191806	2.291929911	-0.838241954	0.401894829	0.998252924
chr19:56889974-56890739	ncRNA_exonic	ZNF542P	19	56889974	56890739	3	0	0	0	0	5	765	1.928053872	-1.920993403	3.871987793	-0.496125893	NA	NA
chr6:151277130-151293194	exonic	MTHFD1L	6	151277130	151293194	0	0	1	1	0	2	16064	0.920017628	-1.920988798	2.95280079	-0.650564984	0.51532734	0.998252924
chr12:54113522-54115967	exonic	CALCOCO1	12	54113522	54115967	0	0	1	6	0	0	2445	0.835137336	-1.915842062	3.265252305	-0.586736302	NA	NA
chr9:87317073-87325706	exonic	NTRK2	9	87317073	87325706	0	0	1	6	0	0	8633	0.835137336	-1.915842062	3.265252305	-0.586736302	NA	NA
chr10:15617487-15639298	exonic	ITGA8	10	15617487	15639298	0	1	0	6	0	0	21811	0.81214411	-1.914646719	3.29697271	-0.580728713	NA	NA
chr16:50321822-50322261	exonic	ADCY7	16	50321822	50322261	0	1	0	6	0	0	439	0.81214411	-1.914646719	3.29697271	-0.580728713	NA	NA
chr21:46595644-46624651	exonic	ADARB1	21	46595644	46624651	0	1	0	6	0	0	29007	0.81214411	-1.914646719	3.29697271	-0.580728713	NA	NA
chr9:100109595-100112837	exonic	CCDC180	9	100109595	100112837	0	1	0	6	0	0	3242	0.81214411	-1.914646719	3.29697271	-0.580728713	NA	NA
chr10:71912019-71920825	exonic	SARIA	10	71912019	71920825	2	0	0	5	4	0	8806	1.273640498	-1.914592531	2.536995254	-0.754669339	0.450447408	0.998252924
chr8:125332326-125343033	exonic	TMEM65	8	125332326	125343033	2	0	0	5	4	0	10707	1.273640498	-1.914592531	2.536995254	-0.754669339	0.450447408	0.998252924
chr7:158704240-158711560	exonic	WDR60	7	158704240	158711560	1	1	0	2	1	3	7320	1.56156876	-1.914055853	2.162306139	-0.885191888	0.376053147	0.998252924
chr1:39816456-39824936	exonic	MACF1	1	39816456	39824936	1	0	0	6	0	0	8480	0.766855254	-1.912217935	3.365179198	-0.568236585	NA	NA
chr6:145148746-145157074	exonic	UTRN	6	145148746	145157074	1	0	0	6	0	0	8328	0.766855254	-1.912217935	3.365179198	-0.568236585	NA	NA
chr5:21491429-21497305	ncRNA_exonic	GUSBP1	5	21491429	21497305	21	2	3	64	50	3	5876	17.42904004	-1.905757003	0.973396424	-1.957842618	NA	NA
chr1:93070863-93101893	exonic	EVI5	1	93070863	93101893	0	3	0	4	5	3	31030	2.477865873	-1.90133802	1.853133037	-1.026012695	NA	NA
chr1:227381486-227400920	exonic	CDC42BPA	1	227381486	227400920	1	0	0	0	3	1	19434	0.800287817	-1.896817077	3.064118826	-0.619041618	0.535888942	0.998252924
chr18:19345732-19399607	exonic	MIB1	18	19345732	19399607	1	0	0	0	3	1	53875	0.800287817	-1.896817077	3.064118826	-0.619041618	0.535888942	0.998252924
chr5:134002512-134007576	exonic	SEC24A	5	134002512	134007576	1	0	0	0	3	1	5064	0.800287817	-1.896817077	3.064118826	-0.619041618	0.535888942	0.998252924
chr8:103845283-103846975	exonic	AZIN1	8	103845283	103846975	1	0	0	0	3	1	1692	0.800287817	-1.896817077	3.064118826	-0.619041618	0.535888942	0.998252924
chr1:155447676-155491409	exonic	ASH1L	1	155447676	155491409	0	1	0	0	3	1	43733	0.845576673	-1.895591852	3.00844471	-0.630090308	0.528635501	0.998252924
chr2:43934539-43965659	exonic	PLEKHH2	2	43934539	43965659	0	0	2	10	2	0	31120	1.699706746	-1.868875462	2.329825616	-0.802152508	0.422464744	0.998252924
chr2:43939363-43965659	exonic	PLEKHH2	2	43939363	43965659	0	0	2	10	2	0	26296	1.699706746	-1.868875462	2.329825616	-0.802152508	0.422464744	0.998252924
chr14:76633005-76647192	exonic	GPATCH2L	14	76633005	76647192	1	0	1	6	4	0	14187	1.448233966	-1.860626814	2.27787818	-0.816824547	0.414028702	0.998252924
chr10:27311486-27322306	exonic	ANKRD26	10	27311486	27322306	0	1	0	1	2	1	10820	0.830860637	-1.858834954	2.804015263	-0.662918986	0.507382442	0.998252924
chr12:51173922-51203372	exonic	ATF1	12	51173922	51203372	0	0	1	1	2	1	29450	0.853853863	-1.858181434	2.780952574	-0.668181634	0.504017658	0.998252924
chr7:91924202-91936970	exonic	ANKIB1	7	91924202	91936970	4	0	0	11	4	1	12768	2.477701304	-1.857141839	1.859355847	-0.998809261	NA	NA
chr14:102486229-102489217	exonic	DYNC1H1	14	102486229	102489217	1	0	1	8	0	1	2988	1.484965658	-1.856527854	2.334830369	-0.795144641	0.42652937	0.998252924
chr5:76745584-76759051	exonic	WDR41	5	76745584	76759051	4	0	0	10	7	0	13467	2.426253575	-1.848833724	1.998135081	-0.925279648	NA	NA
chr3:47676679-47677626	exonic	SMARCC1	3	47676679	47677626	1	1	0	3	4	1	947	1.414525193	-1.846211914	2.166630478	-0.852112039	0.394151911	0.998252924
chr2:168920009-168986116	exonic	STK39	2	168920009	168986116	15	5	4	7	4	13	66107	2.238390799	-1.843247103	2.046731741	-0.9005807	NA	NA
chr8:135824853-135825412	intergenic	MIR300 (dist=7665), NCRNA00250 (dist=24900)	8	135824853	135825412	6	3	4	32	20	5	559	9.449430961	-1.841080717	0.96361945	-1.910588995	0.05605742	0.998252924

chr3:52446826-52448603	exonic	PHF7	3	52446826	52448603	2	0	0	9	0	0	1777	1.214776352	-1.83810664	2.86437147	-0.641713779	NA	NA
chr7:141336759-141349133	exonic	AGK	7	141336759	141349133	1	0	1	2	3	2	12374	1.518398222	-1.830312973	2.125393276	-0.861164375	0.389147518	0.998252924
chr11:70176278-70181800	exonic	PPFIA1	11	70176278	70181800	1	0	0	2	1	1	5522	0.770855744	-1.828399893	2.869818987	-0.637113317	0.524051035	0.998252924
chr16:2312278-2313288	exonic	RNPS1	16	2312278	2313288	1	0	0	2	1	1	1010	0.770855744	-1.828399893	2.869818987	-0.637113317	0.524051035	0.998252924
chr8:141799572-141829119	exonic	PTK2	8	141799572	141829119	1	0	0	2	1	1	29547	0.770855744	-1.828399893	2.869818987	-0.637113317	0.524051035	0.998252924
chr8:98680423-98680877	intronic	MTDH	8	98680423	98680877	4	0	0	2	0	6	454	2.577882194	-1.827122898	2.085476815	-0.876117579	NA	NA
chr2:204058517-204064170	exonic	NBEAL1	2	204058517	204064170	0	0	1	0	5	0	5653	0.802406135	-1.826894659	3.317488478	-0.55068606	NA	NA
chr2:42488260-42491871	exonic	EML4	2	42488260	42491871	0	0	1	0	5	0	3611	0.802406135	-1.826894659	3.317488478	-0.55068606	NA	NA
chr3:185155234-185169183	exonic	MAP3K13	3	185155234	185169183	0	0	1	0	5	0	13949	0.802406135	-1.826894659	3.317488478	-0.55068606	NA	NA
chr4:113483526-113505330	exonic	ZGRF1	4	113483526	113505330	0	0	1	0	5	0	21804	0.802406135	-1.826894659	3.317488478	-0.55068606	NA	NA
chr2:152988627-153006743	exonic	STAM2	2	152988627	153006743	0	1	0	0	5	0	18116	0.779412908	-1.825926657	3.351242056	-0.544850723	NA	NA
chr5:142434003-142513670	exonic	ARHGAP26	5	142434003	142513670	0	1	0	0	11	0	79667	0.779412908	-1.825926657	3.351242056	-0.544850723	NA	NA
chr6:20546576-20548936	exonic	CDKAL1	6	20546576	20548936	0	1	0	0	5	0	2360	0.779412908	-1.825926657	3.351242056	-0.544850723	NA	NA
chr12:50821544-50824353	exonic	LARP4	12	50821544	50824353	1	0	0	0	5	0	2809	0.734124052	-1.823936606	3.423842935	-0.532716202	NA	NA
chr12:65258447-65260683	exonic	TBC1D30	12	65258447	65260683	1	0	0	0	5	0	2236	0.734124052	-1.823936606	3.423842935	-0.532716202	NA	NA
chr7:17885217-17890587	exonic	SNX13	7	17885217	17890587	1	0	0	0	5	0	5370	0.734124052	-1.823936606	3.423842935	-0.532716202	NA	NA
chr7:44089823-44092540	exonic	DBNL	7	44089823	44092540	1	0	0	0	5	0	2717	0.734124052	-1.823936606	3.423842935	-0.532716202	NA	NA
chr7:8095062-8110761	exonic	GLCCI1	7	8095062	8110761	1	0	0	0	3	0	15699	0.734124052	-1.823936606	3.423842935	-0.532716202	NA	NA
chr9:37126308-37305711	exonic	ZCCHC7	9	37126308	37305711	1	0	0	0	5	0	179403	0.734124052	-1.823936606	3.423842935	-0.532716202	NA	NA
chr14:91947919-91952074	exonic	PPP4R3A	14	91947919	91952074	5	1	1	24	8	0	4155	4.536172156	-1.806118995	1.460886401	-1.236317207	0.216340678	0.998252924
chr5:72285253-72286691	exonic	FCHO2	5	72285253	72286691	2	1	2	1	13	4	1438	3.739330039	-1.805965055	1.491351356	-1.210958805	0.225911193	0.998252924
chr8:17570722-17581342	exonic	MTUS1	8	17570722	17581342	10	7	0	6	48	8	10620	11.42273345	-1.804576183	1.116346318	-1.616502115	0.105985797	0.998252924
chr8:141357856-141370292	exonic	TRAPPC9	8	141357856	141370292	3	0	0	0	7	2	12436	1.850589999	-1.80450395	2.267273675	-0.795891546	0.426095076	0.998252924
chr1:78167053-78178966	exonic	USP33	1	78167053	78178966	0	0	1	1	4	0	11913	0.787690098	-1.80397559	3.061170685	-0.589309051	NA	NA
chr6:90082155-90097309	exonic	RRAGD	6	90082155	90097309	0	0	1	1	4	0	15154	0.787690098	-1.80397559	3.061170685	-0.589309051	NA	NA
chr9:125932180-125936121	exonic	STRBP	9	125932180	125936121	0	1	0	1	4	0	3941	0.764696871	-1.802797746	3.091489739	-0.583148546	NA	NA
chr9:95018961-95048121	exonic	IARS	9	95018961	95048121	0	1	0	1	4	0	29160	0.764696871	-1.802797746	3.091489739	-0.583148546	NA	NA
chr8:48815128-48842572	exonic	PRKDC	8	48815128	48842572	1	0	0	3	0	1	27444	0.756139707	-1.80077242	3.119638088	-0.577237605	0.563778957	0.998252924
chr8:92982885-93017525	exonic	RUNX1T1	8	92982885	93017525	1	0	0	3	0	1	34640	0.756139707	-1.80077242	3.119638088	-0.577237605	0.563778957	0.998252924
chr12:62936876-62946954	exonic	MON2	12	62936876	62946954	1	0	0	1	4	0	10078	0.719408015	-1.800359696	3.157080951	-0.570260859	0.568500784	0.998252924
chr5:134696186-134705832	exonic	H2AFY	5	134696186	134705832	1	0	0	1	4	0	9646	0.719408015	-1.800359696	3.157080951	-0.570260859	0.568500784	0.998252924
chr5:61745753-61747760	exonic	IPO11	5	61745753	61747760	1	0	0	1	4	0	2007	0.719408015	-1.800359696	3.157080951	-0.570260859	0.568500784	0.998252924
chr7:149247958-149255930	ncRNA_exonic	ZNF767P	7	149247958	149255930	1	0	0	1	4	0	7972	0.719408015	-1.800359696	3.157080951	-0.570260859	0.568500784	0.998252924
chr15:72855734-72864506	exonic	ARIH1	15	72855734	72864506	0	1	0	3	0	1	8772	0.801428563	-1.79962398	3.058996175	-0.588305404	0.556327319	0.998252924
chr9:123199572-123210404	exonic	CDK5RAP2	9	123199572	123210404	0	1	0	3	0	1	10832	0.801428563	-1.79962398	3.058996175	-0.588305404	0.556327319	0.998252924

chr7:151877795-151896544	exonic	KMT2C	7	151877795	151896544	0	0	1	3	0	1	18749	0.82442179	-1.799067118	3.030880927	-0.59357895	0.552793764	0.998252924
chr20:34430494-34446303	exonic	PHF20	20	34430494	34446303	1	1	0	4	5	0	15809	1.333645391	-1.798557059	2.341002668	-0.768284925	0.442317929	0.998252924
chr10:70497601-70502326	exonic	CCAR1	10	70497601	70502326	1	3	0	1	6	5	4725	3.0253833	-1.797841869	1.700470397	-1.057261492	0.290392263	0.998252924
chr12:124846671-124848345	exonic	NCOR2	12	124846671	124848345	2	2	0	4	0	6	1674	2.881082677	-1.793546642	1.842685807	-0.973332858	0.330387897	0.998252924
chr2:24090704-24111269	exonic	ATAD2B	2	24090704	24111269	2	0	0	0	1	3	20565	1.303657134	-1.790803158	2.632769087	-0.680197579	NA	NA
chr3:196778447-196793625	exonic	DLG1	3	196778447	196793625	2	0	0	0	1	3	15178	1.303657134	-1.790803158	2.632769087	-0.680197579	NA	NA
chr7:5941287-5949747	exonic	CCZ1	7	5941287	5949747	0	0	2	7	4	0	8460	1.622827434	-1.781449786	2.332419832	-0.763777499	0.444999848	0.998252924
chr7:5941287-5951553	exonic	CCZ1	7	5941287	5951553	0	0	2	7	4	0	10266	1.622827434	-1.781449786	2.332419832	-0.763777499	0.444999848	0.998252924
chr7:5942291-5949747	exonic	CCZ1	7	5942291	5949747	0	0	2	7	4	0	7456	1.622827434	-1.781449786	2.332419832	-0.763777499	0.444999848	0.998252924
chr10:116730126-116734144	exonic	TRUB1	10	116730126	116734144	0	1	1	3	7	0	4018	1.537670933	-1.774757271	2.244755826	-0.790623751	0.429163583	0.998252924
chr1:16812920-16813156	ncRNA_exonic	CROCCP3	1	16812920	16813156	0	0	1	2	3	0	236	0.772974061	-1.772542843	3.05222553	-0.580737834	0.561417159	0.998252924
chr14:35269429-35272194	exonic	BAZ1A	14	35269429	35272194	0	0	1	2	3	0	2765	0.772974061	-1.772542843	3.05222553	-0.580737834	0.561417159	0.998252924
chr5:68715197-68716358	exonic	MARVELD2	5	68715197	68716358	0	0	1	2	3	0	1161	0.772974061	-1.772542843	3.05222553	-0.580737834	0.561417159	0.998252924
chr1:214169811-214185058	exonic	PROX1	1	214169811	214185058	0	1	0	2	3	0	15247	0.749980835	-1.77122477	3.08358664	-0.574404087	0.565694388	0.998252924
chr11:12341242-12348813	exonic	MICALCL	11	12341242	12348813	0	1	0	2	3	0	7571	0.749980835	-1.77122477	3.08358664	-0.574404087	0.565694388	0.998252924
chr3:132322072-132350323	exonic	ACAD11	3	132322072	132350323	0	1	0	2	3	0	28251	0.749980835	-1.77122477	3.08358664	-0.574404087	0.565694388	0.998252924
chr7:139083344-139102475	exonic	C7orf55-LUC7L2, LUC7L2	7	139083344	139102475	0	1	0	2	3	0	19131	0.749980835	-1.77122477	3.08358664	-0.574404087	0.565694388	0.998252924
chr7:66260497-66270383	exonic	RABGEF1	7	66260497	66270383	0	1	0	2	3	0	9886	0.749980835	-1.77122477	3.08358664	-0.574404087	0.565694388	0.998252924
chrX:2184780-2209644	exonic	DHRXS	X	2184780	2209644	0	1	0	2	3	0	24864	0.749980835	-1.77122477	3.08358664	-0.574404087	0.565694388	0.998252924
chr1:222889025-222897506	exonic	BROX	1	222889025	222897506	1	0	0	2	3	0	8481	0.704691978	-1.768532603	3.15141339	-0.56118712	0.574669983	0.998252924
chr12:27802942-27809663	exonic	PPFIBP1	12	27802942	27809663	1	0	0	2	3	0	6721	0.704691978	-1.768532603	3.15141339	-0.56118712	0.574669983	0.998252924
chr16:30505532-30506171	exonic	ITGAL	16	30505532	30506171	1	0	0	2	3	0	639	0.704691978	-1.768532603	3.15141339	-0.56118712	0.574669983	0.998252924
chr6:117010482-117019961	exonic	KPNA5	6	117010482	117019961	1	0	0	2	3	0	9479	0.704691978	-1.768532603	3.15141339	-0.56118712	0.574669983	0.998252924
chr9:35236465-35243361	exonic	UNC13B	9	35236465	35243361	1	0	0	2	3	0	6896	0.704691978	-1.768532603	3.15141339	-0.56118712	0.574669983	0.998252924
chr21:38480691-38505066	exonic	TTC3	21	38480691	38505066	1	1	0	1	1	3	24375	1.455257375	-1.76850839	2.23741252	-0.790425714	0.42927919	0.998252924
chr12:14576842-14578407	exonic	ATF7IP	12	14576842	14578407	0	3	0	5	5	2	1565	2.27595865	-1.767276907	1.898349596	-0.930954399	NA	NA
chr5:122868263-122893258	exonic	CSNK1G3	5	122868263	122893258	0	0	2	8	3	0	24995	1.608111398	-1.764154423	2.348531959	-0.751173267	0.452548387	0.998252924
chr2:101898320-101911643	exonic	RNF149	2	101898320	101911643	3	0	0	7	5	0	13323	1.736277633	-1.763612375	2.244840956	-0.785629098	NA	NA
chr19:45781180-45781873	exonic	MARK4	19	45781180	45781873	2	0	0	4	4	0	693	1.167329113	-1.75987113	2.613829493	-0.673292246	0.500761385	0.998252924
chr19:12628559-12639510	exonic	ZNF564	19	12628559	12639510	0	2	0	7	3	0	10951	1.45581356	-1.754399213	2.425171569	-0.723412412	0.469426548	0.998252924
chr6:111583459-111585149	exonic	KIAA1919	6	111583459	111585149	0	0	2	3	5	1	1690	1.626827924	-1.752120364	2.183024046	-0.802611573	0.422199277	0.998252924
chr7:151960100-152012423	exonic	KMT2C	7	151960100	152012423	0	0	2	3	5	1	52323	1.626827924	-1.752120364	2.183024046	-0.802611573	0.422199277	0.998252924
chr2:203419974-203421254	exonic	BMP2	2	203419974	203421254	0	0	4	11	8	1	1280	3.234939322	-1.743494465	1.717774722	-1.01497271	NA	NA
chr17:47388673-47389404	exonic	ZNF652	17	47388673	47389404	6	0	0	9	14	0	731	3.425108028	-1.74214532	1.797537447	-0.969184438	0.332453174	0.998252924
chr10:35321362-35328010	exonic	CUL2	10	35321362	35328010	0	0	1	3	2	0	6648	0.758258025	-1.739292546	3.071391949	-0.566288046	0.571197985	0.998252924

chr19:14854231-14854596	exonic	ADGRE2	19	14854231	14854596	0	0	1	3	2	0	365	0.758258025	-1.739292546	3.071391949	-0.566288046	0.571197985	0.998252924
chr2:160005652-160007067	exonic	TANC1	2	160005652	160007067	0	0	1	3	2	0	1415	0.758258025	-1.739292546	3.071391949	-0.566288046	0.571197985	0.998252924
chr2:169684667-169690835	exonic	NOSTRIN	2	169684667	169690835	0	0	1	3	2	0	6168	0.758258025	-1.739292546	3.071391949	-0.566288046	0.571197985	0.998252924
chr2:201881713-201888762	exonic	FAM126B	2	201881713	201888762	0	0	1	3	2	0	7049	0.758258025	-1.739292546	3.071391949	-0.566288046	0.571197985	0.998252924
chr11:62491058-62491898	exonic	HNRNPUL2	11	62491058	62491898	0	1	0	3	2	0	840	0.735264798	-1.737858431	3.103734393	-0.559924984	0.575530606	0.998252924
chr12:22637630-22659753	exonic	C2CD5	12	22637630	22659753	0	1	0	3	2	0	22123	0.735264798	-1.737858431	3.103734393	-0.559924984	0.575530606	0.998252924
chr2:234358627-234360706	exonic	DGKD	2	234358627	234360706	0	1	0	3	2	0	2079	0.735264798	-1.737858431	3.103734393	-0.559924984	0.575530606	0.998252924
chr3:18456602-18462483	exonic	SATB1	3	18456602	18462483	0	1	0	3	2	0	5881	0.735264798	-1.737858431	3.103734393	-0.559924984	0.575530606	0.998252924
chr1:114214355-114216087	exonic	MAGI3	1	114214355	114216087	1	0	0	3	2	0	1732	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr1:51871576-51874004	exonic	EPS15	1	51871576	51874004	1	0	0	3	2	0	2428	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr10:69726439-69752439	exonic	HERC4	10	69726439	69752439	1	0	0	3	2	0	26000	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr17:33689757-33690845	exonic	SLFN11	17	33689757	33690845	1	0	0	3	2	0	1088	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr2:136527338-136530117	exonic	UBXN4	2	136527338	136530117	1	0	0	3	2	0	2779	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr2:206165253-206166425	exonic	PARD3B	2	206165253	206166425	1	0	0	3	2	0	1172	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr2:227704124-227779067	exonic	RHBDD1	2	227704124	227779067	1	0	0	3	2	0	74943	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr2:69297778-69304620	exonic	ANTXR1	2	69297778	69304620	1	0	0	3	2	0	6842	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr3:101450683-101451498	exonic	CEP97	3	101450683	101451498	1	0	0	3	2	0	815	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr7:26724354-26766625	exonic	SKAP2	7	26724354	26766625	1	0	0	3	2	0	42271	0.689975942	-1.734932443	3.173741193	-0.546652149	0.584617735	0.998252924
chr19:14513408-14515374	exonic	ADGRE5	19	14513408	14515374	2	1	0	11	2	0	1966	1.843729765	-1.723283588	2.089982717	-0.824544421	0.409630287	0.998252924
chr1:111690263-111703918	exonic	CEPT1	1	111690263	111703918	3	0	1	11	6	0	13655	2.479819621	-1.720118924	1.848815888	-0.930389519	0.352169443	0.998252924
chr1:39910333-39914435	exonic	MACF1	1	39910333	39914435	2	0	0	6	2	0	4102	1.13789704	-1.718080031	2.652464611	-0.647729671	0.51715981	0.998252924
chr2:43953410-43968182	exonic	PLEKHH2	2	43953410	43968182	2	0	0	0	2	0	14772	1.13789704	-1.718080031	2.652464611	-0.647729671	0.51715981	0.998252924
chr3:132294615-132324049	exonic	ACAD11, ACKR4	3	132294615	132324049	2	0	0	6	2	0	29434	1.13789704	-1.718080031	2.652464611	-0.647729671	0.51715981	0.998252924
chr3:171969050-171979873	exonic	FNDC3B	3	171969050	171979873	3	0	0	2	0	4	10823	1.832458034	-1.715968377	2.304037367	-0.744765862	NA	NA
chr17:169210-177370	exonic	RPH3AL	17	169210	177370	0	3	0	1	8	2	8160	2.213795374	-1.706736223	1.991674333	-0.856935391	0.391480592	0.998252924
chr4:152095821-152108615	exonic	SH3D19	4	152095821	152108615	3	0	2	18	0	2	12794	3.31154103	-1.704956792	1.752542209	-0.972847777	0.330628963	0.998252924
chr7:5363844-5364879	exonic	TNRC18	7	5363844	5364879	0	0	1	4	1	0	1035	0.743541988	-1.704024296	3.11857867	-0.546410553	0.584783757	0.998252924
chr8:90736856-90737869	ncRNA_exonic	LOC101929709	8	90736856	90737869	0	0	1	4	1	0	1013	0.743541988	-1.704024296	3.11857867	-0.546410553	0.584783757	0.998252924
chrX:76918870-76931793	exonic	ATRX	X	76918870	76931793	0	0	1	4	1	0	12923	0.743541988	-1.704024296	3.11857867	-0.546410553	0.584783757	0.998252924
chr3:149619858-149639014	exonic	RNF13	3	149619858	149639014	1	0	1	2	0	3	19156	1.463534565	-1.703483766	2.351665677	-0.724373274	0.468836603	0.998252924
chr2:128520635-128528578	exonic	WDR33	2	128520635	128528578	0	1	0	4	1	0	7943	0.720548761	-1.702508785	3.151827492	-0.540165599	0.589082834	0.998252924
chr3:50137414-50142575	exonic	RBM5	3	50137414	50142575	0	1	0	4	1	0	5161	0.720548761	-1.702508785	3.151827492	-0.540165599	0.589082834	0.998252924
chr9:110062421-110068928	exonic	RAD23B	9	110062421	110068928	0	1	0	4	1	0	6507	0.720548761	-1.702508785	3.151827492	-0.540165599	0.589082834	0.998252924
chr7:810107-814799	exonic	DNAAF5	7	810107	814799	0	3	0	0	2	5	4692	2.305975285	-1.70215786	2.163793946	-0.786654322	NA	NA
chr15:65471271-65472542	exonic	CLPX	15	65471271	65472542	3	2	0	9	5	3	1271	3.222107828	-1.70210142	1.525436881	-1.115812422	0.264502436	0.998252924

chr2:136505836-136530117	exonic	UBXN4	2	136505836	136530117	1	0	2	0	2	5	24281	2.306672881	-1.700336675	2.028921746	-0.838049412	NA	NA
chr11:69999162-70007468	exonic	ANO1	11	69999162	70007468	1	0	0	4	1	0	8306	0.675259905	-1.699411954	3.223846785	-0.52713794	0.598097801	0.998252924
chr5:139889221-139889766	exonic	ANKHD1, ANKHD1-EIF4EBP3	5	139889221	139889766	1	0	0	4	1	0	545	0.675259905	-1.699411954	3.223846785	-0.52713794	0.598097801	0.998252924
chr6:17764385-17765177	exonic	KIF13A	6	17764385	17765177	1	0	0	4	1	0	792	0.675259905	-1.699411954	3.223846785	-0.52713794	0.598097801	0.998252924
chr8:42259305-42260979	exonic	VDAC3	8	42259305	42260979	1	0	0	4	1	0	1674	0.675259905	-1.699411954	3.223846785	-0.52713794	0.598097801	0.998252924
chr8:93017343-93088365	exonic	RUNX1T1	8	93017343	93088365	1	0	0	4	1	0	71022	0.675259905	-1.699411954	3.223846785	-0.52713794	0.598097801	0.998252924
chr5:176468126-176477937	exonic	ZNF346	5	176468126	176477937	1	0	1	6	3	0	9811	1.327206545	-1.699261408	2.346018612	-0.724317104	0.468871079	0.998252924
chr1:94685813-94697199	exonic	ARHGAP29	1	94685813	94697199	2	0	0	7	1	0	11386	1.123181003	-1.696563282	2.699805714	-0.628401989	NA	NA
chr6:17671288-17672025	intronic	NUP153	6	17671288	17672025	0	4	0	0	4	6	737	3.030524536	-1.692337753	1.972910619	-0.857787341	0.391009901	0.998252924
chr3:145838898-145842016	exonic	PLOD2	3	145838898	145842016	3	3	13	6	17	28	3118	14.79974109	-1.690440922	1.062952586	-1.5903258	0.111761386	0.998252924
chr1:1430865-1464711	exonic	ATAD3A, ATAD3B	1	1430865	1464711	0	0	2	11	0	0	33846	1.563963288	-1.686799282	2.633616529	-0.640487809	NA	NA
chr4:38682579-38683774	intronic	KLF3	4	38682579	38683774	4	0	0	3	0	5	1195	2.375974971	-1.685106183	2.105304039	-0.800409894	0.42347335	0.998252924
chr1:219366424-219392054	exonic	LYPLAL1	1	219366424	219392054	4	0	0	8	7	0	25630	2.213630805	-1.684241056	2.055527771	-0.819371589	NA	NA
chr17:8141348-8141947	exonic	CTC1	17	8141348	8141947	2	1	0	5	7	0	599	1.810998563	-1.684158898	2.063347121	-0.816226645	0.41437052	0.998252924
chr11:10540580-10555752	exonic	RNF141	11	10540580	10555752	1	0	0	0	0	2	15172	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr11:8462224-8486369	exonic	STK33	11	8462224	8486369	13	2	4	0	2	2	24145	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr12:124856567-124857156	exonic	NCOR2	12	124856567	124857156	1	0	0	0	0	2	589	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr14:31592119-31641328	exonic	HECTD1	14	31592119	31641328	1	0	0	0	0	2	49209	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr2:220429963-220433046	exonic	OBSL1	2	220429963	220433046	1	0	0	0	0	2	3083	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr2:38956697-38959051	exonic	GALM	2	38956697	38959051	1	0	0	0	0	2	2354	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr22:36681402-36681703	splicing	MYH9	22	36681402	36681703	1	0	0	0	0	2	301	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr5:126859151-126862470	exonic	PRRC1	5	126859151	126862470	1	0	0	0	0	2	3319	0.74542416	-1.680481664	3.449052573	-0.487229936	0.626095393	0.998252924
chr3:16343132-16344255	exonic	OXNAD1	3	16343132	16344255	1	0	1	1	3	2	1123	1.412086836	-1.680053148	2.203661226	-0.762391754	0.445826226	0.998252924
chr6:592468-619543	exonic	EXOC2	6	592468	619543	2	0	0	3	0	2	27075	1.193345259	-1.676077186	2.652258854	-0.63194329	0.527423935	0.998252924
chr10:4872866-4884696	exonic	AKR1E2	10	4872866	4884696	0	1	0	0	0	2	11830	0.790713017	-1.674464528	3.378746561	-0.49558749	0.620185481	0.998252924
chr11:85692171-85722179	exonic	PICALM	11	85692171	85722179	0	1	0	0	0	2	30008	0.790713017	-1.674464528	3.378746561	-0.49558749	0.620185481	0.998252924
chr17:42161922-42165064	exonic	HDAC5	17	42161922	42165064	0	1	0	0	0	2	3142	0.790713017	-1.674464528	3.378746561	-0.49558749	0.620185481	0.998252924
chr6:86252899-86284096	exonic	SNX14	6	86252899	86284096	0	1	0	0	0	2	31197	0.790713017	-1.674464528	3.378746561	-0.49558749	0.620185481	0.998252924
chr7:102960055-102963241	exonic	DNAJC2	7	102960055	102963241	0	1	0	0	0	2	3186	0.790713017	-1.674464528	3.378746561	-0.49558749	0.620185481	0.998252924
chr7:140439611-140494267	exonic	BRAF	7	140439611	140494267	0	1	0	0	0	2	54656	0.790713017	-1.674464528	3.378746561	-0.49558749	0.620185481	0.998252924
chr4:77917577-77952123	exonic		4	77917577	77952123	2	0	0	8	0	0	34546	1.108464967	-1.673614732	2.950403281	-0.567249482	NA	NA
chr7:2477439-2483381	ncRNA_exonic	LOC101927181	7	2477439	2483381	2	0	0	8	0	0	5942	1.108464967	-1.673614732	2.950403281	-0.567249482	NA	NA
chr1:100681538-100684303	exonic	DBT	1	100681538	100684303	0	0	0	0	2	0	2765	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:110532090-110541520	intronic	AHCYL1	1	110532090	110541520	0	0	0	0	2	0	9430	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:113084572-113159517	exonic	ST7L	1	113084572	113159517	0	0	0	0	2	0	74945	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr1:114347834-114348892	intronic	RSBN1	1	114347834	114348892	0	0	0	0	2	0	1058	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:150418701-150437203	exonic	RPRD2	1	150418701	150437203	0	0	0	0	2	0	18502	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:150795669-150804875	exonic	ARNT	1	150795669	150804875	0	0	0	0	2	0	9206	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:153982447-153984846	exonic	NUP210L	1	153982447	153984846	0	0	0	0	2	0	2399	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:154233367-154239044	exonic	UBAP2L	1	154233367	154239044	0	0	0	0	2	0	5677	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:155365249-155385714	exonic	ASH1L	1	155365249	155385714	0	0	0	0	2	0	20465	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:155447676-155452240	exonic	ASH1L	1	155447676	155452240	0	0	0	0	2	0	4564	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:158984450-158990319	exonic	IFI16	1	158984450	158990319	0	0	0	0	2	0	5869	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:15956819-15970145	exonic	DDI2	1	15956819	15970145	0	0	0	0	2	0	13326	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:161561423-161643019	exonic	FCGR2B, FCGR2C, FCGR3B	1	161561423	161643019	0	0	0	0	2	0	81596	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:169080608-169100707	exonic	ATP1B1	1	169080608	169100707	0	0	0	0	2	0	20099	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:171504566-171535982	exonic	PRRC2C	1	171504566	171535982	0	0	0	0	2	0	31416	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:171528938-171530295	exonic	PRRC2C	1	171528938	171530295	0	0	0	0	2	0	1357	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:178846633-178855255	exonic	RALGPS2	1	178846633	178855255	0	0	0	0	2	0	8622	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:179084012-179091002	exonic	ABL2	1	179084012	179091002	0	0	0	0	2	0	6990	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:179869261-179883189	exonic	TOR1AIP1	1	179869261	179883189	0	0	0	0	2	0	13928	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:180065319-180067973	exonic	CEP350	1	180065319	180067973	0	0	0	0	2	0	2654	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:185946918-186047352	exonic	HMCN1	1	185946918	186047352	0	0	0	0	2	0	100434	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:186862142-186863343	exonic	PLA2G4A	1	186862142	186863343	0	0	0	0	2	0	1201	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:193107214-193111196	exonic	CDC73	1	193107214	193111196	0	0	0	0	2	0	3982	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:202119438-202121827	exonic	PTPN7	1	202119438	202121827	0	0	0	0	2	0	2389	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:202528005-202538325	exonic	PPP1R12B	1	202528005	202538325	0	0	0	0	2	0	10320	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:205064000-205085011	exonic	RBBP5	1	205064000	205085011	0	0	0	0	2	0	21011	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:212118125-212141323	exonic	INTS7	1	212118125	212141323	0	0	0	0	2	0	23198	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:212515529-212520748	exonic	PPP2R5A	1	212515529	212520748	0	0	0	0	2	0	5219	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:21566587-21568025	intronic	ECE1	1	21566587	21568025	0	0	0	0	2	0	1438	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:21943798-21946543	exonic	RAP1GAP	1	21943798	21946543	0	0	0	0	2	0	2745	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:229596357-229634053	exonic	NUP133	1	229596357	229634053	0	0	0	0	2	0	37696	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:232695370-232711361	intergenic	<small>SIPAL2(d1st-44016), LOC101927083(d1st-151628)</small>	1	232695370	232711361	0	0	0	0	2	0	15991	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:235437470-235446335	intronic	ARID4B	1	235437470	235446335	0	0	0	0	2	0	8865	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:24075510-24080950	exonic	TCEB3	1	24075510	24080950	0	0	0	0	2	0	5440	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:246490503-246518396	exonic	SMYD3	1	246490503	246518396	0	0	0	0	2	0	27893	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:247319708-247323169	exonic	ZNF124	1	247319708	247323169	0	0	0	0	2	0	3461	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:29542517-29547433	exonic	MECR	1	29542517	29547433	0	0	0	0	2	0	4916	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:31412066-31412424	intronic	PUM1	1	31412066	31412424	0	0	0	0	2	0	358	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr1:32502510-32505174	exonic	KHDRBS1	1	32502510	32505174	0	0	0	0	2	0	2664	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:33149610-33149983	exonic	SYNC	1	33149610	33149983	0	0	0	0	2	0	373	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:35559514-35576048	exonic	ZMYM1	1	35559514	35576048	0	0	0	0	2	0	16534	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:35824525-35855699	exonic	ZMYM4	1	35824525	35855699	0	0	0	0	2	0	31174	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:35932208-35944813	exonic	KIAA0319L	1	35932208	35944813	0	0	0	0	2	0	12605	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:41163943-41168109	intronic	NFYC	1	41163943	41168109	0	0	0	0	2	0	4166	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:42654973-42664901	exonic	FOXJ3	1	42654973	42664901	0	0	0	0	2	0	9928	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:46650631-46650980	exonic	TSPAN1	1	46650631	46650980	0	0	0	0	2	0	349	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:53362028-53363156	exonic	ECHDC2	1	53362028	53363156	0	0	0	0	2	0	1128	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:54389576-54405770	exonic	HSPB11	1	54389576	54405770	0	0	0	0	2	0	16194	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:63269389-63286880	exonic	ATG4C	1	63269389	63286880	0	0	0	0	2	0	17491	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:65455118-65460771	ncRNA_exonic	LINC01359	1	65455118	65460771	0	0	0	0	2	0	5653	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:6880241-6948959	exonic	CAMTA1	1	6880241	6948959	0	0	0	0	2	0	68718	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:78201741-78205102	exonic	USP33	1	78201741	78205102	0	0	0	0	2	0	3361	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:78433373-78433848	splicing	FUBP1	1	78433373	78433848	0	0	0	0	2	0	475	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:84644859-84663507	exonic	PRKACB	1	84644859	84663507	0	0	0	0	2	0	18648	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:8555123-8568734	exonic	RERE	1	8555123	8568734	0	0	0	0	2	0	13611	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:86590528-86611866	exonic	COL24A1	1	86590528	86611866	0	0	0	0	2	0	21338	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:92798948-92829327	exonic	RPAP2	1	92798948	92829327	0	0	0	0	2	0	30379	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:93648916-93676483	exonic	CCDC18	1	93648916	93676483	0	0	0	0	2	0	27567	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr1:93677657-93692006	exonic	CCDC18	1	93677657	93692006	0	0	0	0	2	0	14349	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:103750307-103761829	exonic	C10orf76	10	103750307	103761829	0	0	0	0	2	0	11522	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:104117795-104119192	exonic	GBF1	10	104117795	104119192	0	0	0	0	2	0	1397	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:104899162-104941085	exonic	NT5C2	10	104899162	104941085	0	0	0	0	2	0	41923	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:105073942-105107207	exonic	PCGF6	10	105073942	105107207	0	0	0	0	2	0	33265	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:112640990-112642855	exonic	PDCD4	10	112640990	112642855	0	0	0	0	2	0	1865	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:116879948-117185812	exonic	ATRNL1	10	116879948	117185812	0	0	0	0	2	0	305864	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:120813528-120814657	intronic	EIF3A	10	120813528	120814657	0	0	0	0	2	0	1129	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:124350181-124352111	exonic	DMBT1	10	124350181	124352111	0	0	0	0	2	0	1930	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:127483448-127505094	exonic	UROS	10	127483448	127505094	0	0	0	0	2	0	21646	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:128768965-128807068	exonic	DOCK1	10	128768965	128807068	0	0	0	0	2	0	38103	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:128806995-128830584	exonic	DOCK1	10	128806995	128830584	0	0	0	0	2	0	23589	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:15824153-15879317	exonic	FAM188A	10	15824153	15879317	0	0	0	0	2	0	55164	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:21875222-21971186	exonic	MLLT10	10	21875222	21971186	0	0	0	0	2	0	95964	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:22219009-22221198	intronic	DNAJC1	10	22219009	22221198	0	0	0	0	2	0	2189	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr10:225934-255988	exonic	ZMYND11	10	225934	255988	0	0	0	0	2	0	30054	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:22941142-22942738	intronic	PIP4K2A	10	22941142	22942738	0	0	0	0	2	0	1596	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:26777440-26778677	intronic	APBB1IP	10	26777440	26778677	0	0	0	0	2	0	1237	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:27317780-27326983	exonic	ANKRD26	10	27317780	27326983	0	0	0	0	2	0	9203	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:27458872-27462188	exonic	MASTL	10	27458872	27462188	0	0	0	0	2	0	3316	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:28412960-28420620	exonic	MPP7	10	28412960	28420620	0	0	0	0	2	0	7660	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:31165927-31273355	exonic	ZNF438	10	31165927	31273355	0	0	0	0	2	0	107428	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:31644076-31676727	intronic	ZEB1	10	31644076	31676727	0	0	0	0	2	0	32651	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:32759991-32833229	exonic	CCDC7	10	32759991	32833229	0	0	0	0	2	0	73238	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:43111648-43112225	intronic	ZNF33B	10	43111648	43112225	0	0	0	0	2	0	577	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:43650344-43659492	exonic	CSGALNACT2	10	43650344	43659492	0	0	0	0	2	0	9148	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:486810-532470	exonic	DIP2C	10	486810	532470	0	0	0	0	2	0	45660	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:51065351-51077601	exonic	PARG	10	51065351	51077601	0	0	0	0	2	0	12250	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:51262048-51299327	ncRNA_exonic	PARGP1	10	51262048	51299327	0	0	0	0	2	0	37279	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:518378-532470	exonic	DIP2C	10	518378	532470	0	0	0	0	2	0	14092	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:5922260-5925130	exonic	ANKRD16	10	5922260	5925130	0	0	0	0	2	0	2870	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:60147949-60150620	exonic	TFAM	10	60147949	60150620	0	0	0	0	2	0	2671	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:61011334-61014203	exonic	FAM13C	10	61011334	61014203	0	0	0	0	2	0	2869	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:64944367-64954135	exonic	JMJD1C	10	64944367	64954135	0	0	0	0	2	0	9768	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:65140078-65214849	exonic	JMJD1C	10	65140078	65214849	0	0	0	0	2	0	74771	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:69692353-69726559	exonic	HERC4	10	69692353	69726559	0	0	0	0	2	0	34206	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:70136609-70152960	exonic	RUFY2	10	70136609	70152960	0	0	0	0	2	0	16351	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:70243177-70248386	exonic	SLC25A16	10	70243177	70248386	0	0	0	0	2	0	5209	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:70666466-70670138	exonic	DDX50	10	70666466	70670138	0	0	0	0	2	0	3672	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:70765487-70770771	exonic	KIAA1279	10	70765487	70770771	0	0	0	0	2	0	5284	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:74267912-74326552	exonic	MICU1	10	74267912	74326552	0	0	0	0	2	0	58640	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:7611630-7622027	exonic	ITIH5	10	7611630	7622027	0	0	0	0	2	0	10397	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:76910272-76910864	exonic	SAMD8	10	76910272	76910864	0	0	0	0	2	0	592	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:7801852-7808066	exonic	KIN	10	7801852	7808066	0	0	0	0	2	0	6214	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:88230748-88260500	exonic	WAPL	10	88230748	88260500	0	0	0	0	2	0	29752	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:89653782-89655534	exonic	PTEN	10	89653782	89655534	0	0	0	0	2	0	1752	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:930387-936769	exonic	LARP4B	10	930387	936769	0	0	0	0	2	0	6382	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:93841076-93952393	exonic	CPEB3	10	93841076	93952393	0	0	0	0	2	0	111317	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:96109869-96112160	exonic	NOC3L	10	96109869	96112160	0	0	0	0	2	0	2291	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr10:96116292-96117972	exonic	NOC3L	10	96116292	96117972	0	0	0	0	2	0	1680	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr10:98311001-98325183	exonic	TM9SF3	10	98311001	98325183	0	0	0	0	2	0	14182	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:102076623-102094483	exonic	YAP1	11	102076623	102094483	0	0	0	0	2	0	17860	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:108042925-108047817	exonic	NPAT	11	108042925	108047817	0	0	0	0	2	0	4892	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:108106396-108119829	exonic	ATM	11	108106396	108119829	0	0	0	0	2	0	13433	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:108186549-108202764	exonic	ATM	11	108186549	108202764	0	0	0	0	2	0	16215	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:108188099-108199965	exonic	ATM	11	108188099	108199965	0	0	0	0	2	0	11866	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:118461055-118463571	exonic	ARCNI	11	118461055	118463571	0	0	0	0	2	0	2516	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:120276827-120280159	exonic	ARHGEF12	11	120276827	120280159	0	0	0	0	2	0	3332	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:122953792-122955421	exonic	CLMP	11	122953792	122955421	0	0	0	0	2	0	1629	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:128993341-128997200	exonic	ARHGAP32	11	128993341	128997200	0	0	0	0	2	0	3859	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:129991647-129992245	exonic	APLP2	11	129991647	129992245	0	0	0	0	2	0	598	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:14880588-14882912	exonic	PDE3B	11	14880588	14882912	0	0	0	0	2	0	2324	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:16068059-16119234	exonic	SOX6	11	16068059	16119234	0	0	0	0	2	0	51175	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:18305341-18307006	exonic	HPS5	11	18305341	18307006	0	0	0	0	2	0	1665	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:18357924-18358722	intronic	GTF2H1	11	18357924	18358722	0	0	0	0	2	0	798	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:32953288-32956981	exonic	QSER1	11	32953288	32956981	0	0	0	0	2	0	3693	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:34101174-34107960	exonic	CAPRIN1	11	34101174	34107960	0	0	0	0	2	0	6786	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:46945127-46946351	intergenic	<small>LRP4(dist=4954), C11orf49(dist=11889)</small>	11	46945127	46946351	0	0	0	0	2	0	1224	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:47647225-47653263	exonic	MTCH2	11	47647225	47653263	0	0	0	0	2	0	6038	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:65830479-65835804	exonic	SF3B2	11	65830479	65835804	0	0	0	0	2	0	5325	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:68115314-68115711	exonic	LRP5	11	68115314	68115711	0	0	0	0	2	0	397	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:68157348-68179088	exonic	LRP5	11	68157348	68179088	0	0	0	0	2	0	21740	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:68578259-68578705	intronic	CPT1A	11	68578259	68578705	0	0	0	0	2	0	446	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:77433100-77436744	exonic	RSF1	11	77433100	77436744	0	0	0	0	2	0	3644	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:77936153-77938097	exonic	GAB2	11	77936153	77938097	0	0	0	0	2	0	1944	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:85685750-85692271	exonic	PICALM	11	85685750	85692271	0	0	0	0	2	0	6521	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:85722072-85726006	exonic	PICALM	11	85722072	85726006	0	0	0	0	2	0	3934	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:85975213-85979603	exonic	EED	11	85975213	85979603	0	0	0	0	2	0	4390	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr11:9459300-9463744	exonic	IPO7	11	9459300	9463744	0	0	0	0	2	0	4444	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:100681186-100682360	intronic	SCYL2	12	100681186	100682360	0	0	0	0	2	0	1174	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:102179789-102183835	exonic	GNPTAB	12	102179789	102183835	0	0	0	0	2	0	4046	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:104682708-104721449	exonic	EID3, TXNRD1	12	104682708	104721449	0	0	0	0	2	0	38741	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:105514376-105514866	splicing	KIAA1033	12	105514376	105514866	0	0	0	0	2	0	490	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:105600838-105605095	exonic	APPL2	12	105600838	105605095	0	0	0	0	2	0	4257	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:110641668-110643485	exonic	IFT81	12	110641668	110643485	0	0	0	0	2	0	1817	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr12:110764194-110780253	exonic	ATP2A2	12	110764194	110780253	0	0	0	0	2	0	16059	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:111057640-111070364	exonic	TCTN1	12	111057640	111070364	0	0	0	0	2	0	12724	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:111962996-111993723	exonic	ATXN2	12	111962996	111993723	0	0	0	0	2	0	30727	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:112096539-112098479	exonic	BRAP	12	112096539	112098479	0	0	0	0	2	0	1940	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:112374495-112381173	exonic	TMEM116	12	112374495	112381173	0	0	0	0	2	0	6678	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:11273609-11276786	ncRNA_intronic	PRH1-PRR4	12	11273609	11276786	0	0	0	0	2	0	3177	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:117365828-117387511	exonic	FBXW8	12	117365828	117387511	0	0	0	0	2	0	21683	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:118456876-118465835	exonic	RFC5	12	118456876	118465835	0	0	0	0	2	0	8959	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:1219357-1225199	exonic	ERC1	12	1219357	1225199	0	0	0	0	2	0	5842	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:123811972-123815056	exonic	SBN01	12	123811972	123815056	0	0	0	0	2	0	3084	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:12491353-12496348	exonic	MANSC1	12	12491353	12496348	0	0	0	0	2	0	4995	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:1299024-1299218	exonic	ERC1	12	1299024	1299218	0	0	0	0	2	0	194	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:132237667-132250853	exonic	SFSWAP	12	132237667	132250853	0	0	0	0	2	0	13186	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:15818689-15834236	exonic	EPS8	12	15818689	15834236	0	0	0	0	2	0	15547	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:18433957-18446949	exonic	PIK3C2G	12	18433957	18446949	0	0	0	0	2	0	12992	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:18434937-18466998	exonic	PIK3C2G	12	18434937	18466998	0	0	0	0	2	0	32061	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:19432505-19433739	intronic	PLEKHA5	12	19432505	19433739	0	0	0	0	2	0	1234	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:20615333-20618439	intronic	PDE3A	12	20615333	20618439	0	0	0	0	2	0	3106	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:20790033-20807139	exonic	PDE3A	12	20790033	20807139	0	0	0	0	2	0	17106	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:2297669-2299478	intronic	CACNA1C	12	2297669	2299478	0	0	0	0	2	0	1809	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:24366276-24430246	ncRNA_exonic	LOC101928471	12	24366276	24430246	0	0	0	0	2	0	63970	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:24982756-24989530	exonic	BCAT1	12	24982756	24989530	0	0	0	0	2	0	6774	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:26922282-26943160	exonic	ITPR2	12	26922282	26943160	0	0	0	0	2	0	20878	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:30822116-30834751	exonic	IPO8	12	30822116	30834751	0	0	0	0	2	0	12635	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:32882535-32883184	intronic	DNM1L	12	32882535	32883184	0	0	0	0	2	0	649	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:3931038-3939184	exonic	PARP11	12	3931038	3939184	0	0	0	0	2	0	8146	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:46285562-46287504	exonic	ARID2	12	46285562	46287504	0	0	0	0	2	0	1942	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:46591502-46592526	exonic	SLC38A1	12	46591502	46592526	0	0	0	0	2	0	1024	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:49237722-49239565	exonic	DDX23	12	49237722	49239565	0	0	0	0	2	0	1843	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:50810129-50848200	exonic	LARP4	12	50810129	50848200	0	0	0	0	2	0	38071	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:50829270-50855130	exonic	LARP4	12	50829270	50855130	0	0	0	0	2	0	25860	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:51502903-51511530	exonic	TFCP2	12	51502903	51511530	0	0	0	0	2	0	8627	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:51634126-51634900	exonic	DAZAP2	12	51634126	51634900	0	0	0	0	2	0	774	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:537934-547720	exonic	CCDC77	12	537934	547720	0	0	0	0	2	0	9786	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:53848509-53853187	exonic	PCBP2	12	53848509	53853187	0	0	0	0	2	0	4678	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr12:54639898-54646011	exonic	CBX5	12	54639898	54646011	0	0	0	0	2	0	6113	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:57059988-57066849	exonic	PTGES3	12	57059988	57066849	0	0	0	0	2	0	6861	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:57463016-57466695	exonic	NEMP1	12	57463016	57466695	0	0	0	0	2	0	3679	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:57568893-5941769	exonic	ANO2	12	57568893	5941769	0	0	0	0	2	0	184876	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:58339410-58347472	exonic	XRCC6BP1	12	58339410	58347472	0	0	0	0	2	0	8062	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:68696400-68697693	exonic	MDM1	12	68696400	68697693	0	0	0	0	2	0	1293	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:69047892-69050997	exonic	RAP1B	12	69047892	69050997	0	0	0	0	2	0	3105	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:72036215-72041593	exonic	ZFC3H1	12	72036215	72041593	0	0	0	0	2	0	5378	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:91550851-91552286	exonic	DCN	12	91550851	91552286	0	0	0	0	2	0	1435	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:9251977-9333728	exonic	A2M, PZP	12	9251977	9333728	0	0	0	0	2	0	81751	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:94072544-94072848	exonic	CRADD	12	94072544	94072848	0	0	0	0	2	0	304	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:94725475-94797038	exonic	CEP83	12	94725475	94797038	0	0	0	0	2	0	71563	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr12:992108-992997	exonic	WNK1	12	992108	992997	0	0	0	0	2	0	889	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:100191699-100204580	exonic	TM9SF2	13	100191699	100204580	0	0	0	0	2	0	12881	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:100206557-100207901	exonic	TM9SF2	13	100206557	100207901	0	0	0	0	2	0	1344	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:108895880-108903664	intergenic	<small>ABHD13 (dist=9277), TNFSF13B (dist=18313)</small>	13	108895880	108903664	0	0	0	0	2	0	7784	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:110427697-110428301	intronic	IRS2	13	110427697	110428301	0	0	0	0	2	0	604	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:21735929-21746820	exonic	SKA3	13	21735929	21746820	0	0	0	0	2	0	10891	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:21976935-21987911	exonic	ZDHHC20	13	21976935	21987911	0	0	0	0	2	0	10976	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:31204971-31205611	exonic	USPL1	13	31204971	31205611	0	0	0	0	2	0	640	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:35615069-35619538	exonic	NBEA	13	35615069	35619538	0	0	0	0	2	0	4469	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:38721047-38765048	intergenic	<small>LINC00571 (dist=3678), UFM1 (dist=15886)</small>	13	38721047	38765048	0	0	0	0	2	0	44001	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:41626330-41627276	intergenic	<small>ELF1 (dist=32822), WBP4 (dist=8421)</small>	13	41626330	41627276	0	0	0	0	2	0	946	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:41642697-41645709	exonic	WBP4	13	41642697	41645709	0	0	0	0	2	0	3012	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:41892941-41910892	exonic	NAA16	13	41892941	41910892	0	0	0	0	2	0	17951	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:42729427-42729935	exonic	DGKH	13	42729427	42729935	0	0	0	0	2	0	508	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:46090278-46108951	exonic	COG3	13	46090278	46108951	0	0	0	0	2	0	18673	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:53237247-53238165	exonic	SUGT1	13	53237247	53238165	0	0	0	0	2	0	918	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:60582677-60590279	exonic	DIAPH3	13	60582677	60590279	0	0	0	0	2	0	7602	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:61102500-61109367	exonic	TDRD3	13	61102500	61109367	0	0	0	0	2	0	6867	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:79915257-79953042	exonic	RBM26	13	79915257	79953042	0	0	0	0	2	0	37785	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:95695935-95735544	exonic	ABCC4	13	95695935	95735544	0	0	0	0	2	0	39609	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr13:96505797-96601708	exonic	UGGT2	13	96505797	96601708	0	0	0	0	2	0	95911	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:102812371-102813704	downstream	CINP (dist=915)	14	102812371	102813704	0	0	0	0	2	0	1333	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:106110833-106208722	ncRNA_exonic	ELK2AP	14	106110833	106208722	0	0	0	0	2	0	97889	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr14:106174187-106174462	intergenic	ELK2AP (dist=35043), MIR4507 (dist=149831)	14	106174187	106174462	0	0	0	0	2	0	275	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:106994222-107131334	ncRNA_exonic	MIR7641-2	14	106994222	107131334	0	0	0	0	2	0	137112	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:31163978-31191765	exonic	SCFD1	14	31163978	31191765	0	0	0	0	2	0	27787	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:32586345-32621734	exonic	ARHGAP5	14	32586345	32621734	0	0	0	0	2	0	35389	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:35269429-35331528	exonic	BAZ1A	14	35269429	35331528	0	0	0	0	2	0	62099	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:36121010-36128402	exonic	RALGAPA1	14	36121010	36128402	0	0	0	0	2	0	7392	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:36143385-36143915	exonic	RALGAPA1	14	36143385	36143915	0	0	0	0	2	0	530	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:38277938-38343768	exonic	TTC6	14	38277938	38343768	0	0	0	0	2	0	65830	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:39534116-39555110	exonic	SEC23A	14	39534116	39555110	0	0	0	0	2	0	20994	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:45478115-45514073	exonic	FAM179B	14	45478115	45514073	0	0	0	0	2	0	35958	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:45686221-45687657	exonic	MIS18BP1	14	45686221	45687657	0	0	0	0	2	0	1436	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:53525194-53558650	exonic	DDHD1	14	53525194	53558650	0	0	0	0	2	0	33456	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:56068474-56079289	exonic	KTN1	14	56068474	56079289	0	0	0	0	2	0	10815	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:56083234-56096815	exonic	KTN1	14	56083234	56096815	0	0	0	0	2	0	13581	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:62242812-62245628	exonic	SNAPC1	14	62242812	62245628	0	0	0	0	2	0	2816	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:63848773-63860646	exonic	PPP2R5E	14	63848773	63860646	0	0	0	0	2	0	11873	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:67786947-67790529	exonic	MPP5	14	67786947	67790529	0	0	0	0	2	0	3582	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:68613075-68616756	intronic	RAD51B	14	68613075	68616756	0	0	0	0	2	0	3681	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:75269258-75277123	exonic	YLPM1	14	75269258	75277123	0	0	0	0	2	0	7865	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:81345090-81424629	exonic	CEP128, TSHR	14	81345090	81424629	0	0	0	0	2	0	79539	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:81362062-81408724	exonic	CEP128	14	81362062	81408724	0	0	0	0	2	0	46662	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:89922461-89930238	intronic	FOXN3	14	89922461	89930238	0	0	0	0	2	0	7777	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:92102768-92139360	exonic	CATSPERB	14	92102768	92139360	0	0	0	0	2	0	36592	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr14:92454628-92478139	exonic	TRIP11	14	92454628	92478139	0	0	0	0	2	0	23511	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:35174702-35189906	exonic	AQR	15	35174702	35189906	0	0	0	0	2	0	15204	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:40231705-40247969	exonic	EIF2AK4	15	40231705	40247969	0	0	0	0	2	0	16264	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:40690927-40694489	intergenic	KNSTRN (dist=4438), IVD (dist=3197)	15	40690927	40694489	0	0	0	0	2	0	3562	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:41361767-41379880	exonic	INO80	15	41361767	41379880	0	0	0	0	2	0	18113	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:41361767-41384380	exonic	INO80	15	41361767	41384380	0	0	0	0	2	0	22613	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:42850395-42856055	exonic	HAUS2	15	42850395	42856055	0	0	0	0	2	0	5660	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:43294752-43299482	exonic	UBR1	15	43294752	43299482	0	0	0	0	2	0	4730	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:43440952-43452992	exonic	TMEM62	15	43440952	43452992	0	0	0	0	2	0	12040	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:43941307-44038824	exonic	CKMT1A, PDIA3	15	43941307	44038824	0	0	0	0	2	0	97517	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:50596162-50601995	exonic	GABPB1	15	50596162	50601995	0	0	0	0	2	0	5833	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:55640530-55640923	intronic	PIGB	15	55640530	55640923	0	0	0	0	2	0	393	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr15:56676149-56704634	exonic	TEX9	15	56676149	56704634	0	0	0	0	2	0	28485	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:56683441-56687032	exonic	TEX9	15	56683441	56687032	0	0	0	0	2	0	3591	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:56923636-56927448	exonic	ZNF280D	15	56923636	56927448	0	0	0	0	2	0	3812	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:59657449-59660614	intronic	MYO1E	15	59657449	59660614	0	0	0	0	2	0	3165	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:60653139-60674640	exonic	ANXA2	15	60653139	60674640	0	0	0	0	2	0	21501	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:63941923-63944740	exonic	HERC1	15	63941923	63944740	0	0	0	0	2	0	2817	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:64025122-64027048	exonic	HERC1	15	64025122	64027048	0	0	0	0	2	0	1926	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:67664449-67681344	exonic	IQCH	15	67664449	67681344	0	0	0	0	2	0	16895	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:70044717-70048545	intergenic	PCAT29 (dist=56626), LINC00593 (dist=79028)	15	70044717	70048545	0	0	0	0	2	0	3828	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:70949269-70957153	exonic	UACA	15	70949269	70957153	0	0	0	0	2	0	7884	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:72773137-72773804	intronic	ARIH1	15	72773137	72773804	0	0	0	0	2	0	667	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:72837160-72848248	exonic	ARIH1	15	72837160	72848248	0	0	0	0	2	0	11088	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:73052748-73072663	exonic	ADPGK	15	73052748	73072663	0	0	0	0	2	0	19915	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:74781930-74783923	intergenic	UBL7-AS1 (dist=8297), ARID3B (dist=49595)	15	74781930	74783923	0	0	0	0	2	0	1993	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:75693070-75705386	exonic	SIN3A	15	75693070	75705386	0	0	0	0	2	0	12316	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:78762873-78764266	exonic	IREB2	15	78762873	78764266	0	0	0	0	2	0	1393	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:81271107-81274523	exonic	MESDC2	15	81271107	81274523	0	0	0	0	2	0	3416	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:85180578-85184493	ncRNA_exonic	SCAND2P	15	85180578	85184493	0	0	0	0	2	0	3915	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:86221112-86221832	intronic	AKAP13	15	86221112	86221832	0	0	0	0	2	0	720	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:90991804-91010824	exonic	IQGAP1	15	90991804	91010824	0	0	0	0	2	0	19020	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:94841429-94858866	exonic	MCTP2	15	94841429	94858866	0	0	0	0	2	0	17437	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:94910833-94928754	exonic	MCTP2	15	94910833	94928754	0	0	0	0	2	0	17921	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:99696352-99702072	exonic	TTC23	15	99696352	99702072	0	0	0	0	2	0	5720	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr15:99827461-99874334	exonic	LRRC28	15	99827461	99874334	0	0	0	0	2	0	46873	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:10524467-10527506	exonic	ATF7IP2	16	10524467	10527506	0	0	0	0	2	0	3039	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:14700340-14721193	exonic	PARN	16	14700340	14721193	0	0	0	0	2	0	20853	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:15724188-15725355	exonic	KIAA0430	16	15724188	15725355	0	0	0	0	2	0	1167	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:15835319-15835748	exonic	MYH11	16	15835319	15835748	0	0	0	0	2	0	429	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:16101672-16150152	exonic	ABCC1	16	16101672	16150152	0	0	0	0	2	0	48480	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:21809070-21817550	ncRNA_exonic	RRN3P1	16	21809070	21817550	0	0	0	0	2	0	8480	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:23436069-23457282	exonic	COG7	16	23436069	23457282	0	0	0	0	2	0	21213	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:24574743-24578826	exonic	RBBP6	16	24574743	24578826	0	0	0	0	2	0	4083	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:2607703-2627501	exonic	PDPK1	16	2607703	2627501	0	0	0	0	2	0	19798	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:27244321-27246620	exonic	NSMCE1	16	27244321	27246620	0	0	0	0	2	0	2299	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:30727386-30727800	exonic	SRCAP	16	30727386	30727800	0	0	0	0	2	0	414	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr16:47345150-47347734	exonic	ITFG1	16	47345150	47347734	0	0	0	0	2	0	2584	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:48292528-48296783	exonic	LONP2	16	48292528	48296783	0	0	0	0	2	0	4255	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:53265330-53283978	exonic	CHD9	16	53265330	53283978	0	0	0	0	2	0	18648	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:53289511-53340309	exonic	CHD9	16	53289511	53340309	0	0	0	0	2	0	50798	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:56488168-56491686	intronic	OGFOD1	16	56488168	56491686	0	0	0	0	2	0	3518	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:56692985-56704483	exonic	MT1F, MT1G, MT1H	16	56692985	56704483	0	0	0	0	2	0	11498	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:68842326-68842751	exonic	CDH1	16	68842326	68842751	0	0	0	0	2	0	425	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:68893787-68914533	exonic	TANGO6	16	68893787	68914533	0	0	0	0	2	0	20746	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:71218767-71220821	exonic	HYDIN	16	71218767	71220821	0	0	0	0	2	0	2054	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:75669577-75670445	exonic	KARS	16	75669577	75670445	0	0	0	0	2	0	868	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:792250-792543	intergenic	NARFL (dist=1212), MSLN (dist=18222)	16	792250	792543	0	0	0	0	2	0	293	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:821917-823001	intergenic	MIR662 (dist=1640), RPUSD1 (dist=11973)	16	821917	823001	0	0	0	0	2	0	1084	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:84117857-84118911	exonic	MBTPS1	16	84117857	84118911	0	0	0	0	2	0	1054	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:85012794-85015600	exonic	ZDHHC7	16	85012794	85015600	0	0	0	0	2	0	2806	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:89799890-89804313	exonic	ZNF276	16	89799890	89804313	0	0	0	0	2	0	4423	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr16:90094043-90099332	exonic	GAS8	16	90094043	90099332	0	0	0	0	2	0	5289	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:12812213-12823148	exonic	ARHGAP44	17	12812213	12823148	0	0	0	0	2	0	10935	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:15938078-15971435	exonic	NCOR1	17	15938078	15971435	0	0	0	0	2	0	33357	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:15953831-15954965	intronic	NCOR1	17	15953831	15954965	0	0	0	0	2	0	1134	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:16040624-16056709	exonic	NCOR1	17	16040624	16056709	0	0	0	0	2	0	16085	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:17158172-17168295	exonic	COPS3	17	17158172	17168295	0	0	0	0	2	0	10123	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:18700891-18707579	exonic	TVP23B	17	18700891	18707579	0	0	0	0	2	0	6688	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:19827145-19830389	exonic	AKAP10	17	19827145	19830389	0	0	0	0	2	0	3244	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:20209336-20217536	exonic	SPECC1	17	20209336	20217536	0	0	0	0	2	0	8200	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:28003837-28030080	exonic	SSH2	17	28003837	28030080	0	0	0	0	2	0	26243	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:28111326-28117856	intronic	SSH2	17	28111326	28117856	0	0	0	0	2	0	6530	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:29061915-29086557	ncRNA_exonic	SUZ12P1	17	29061915	29086557	0	0	0	0	2	0	24642	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:30302500-30315516	exonic	SUZ12	17	30302500	30315516	0	0	0	0	2	0	13016	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:30320883-30321740	exonic	SUZ12	17	30320883	30321740	0	0	0	0	2	0	857	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:34160910-34165557	exonic	TAF15	17	34160910	34165557	0	0	0	0	2	0	4647	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:3745810-3746445	exonic	NCBP3	17	3745810	3746445	0	0	0	0	2	0	635	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:37944510-37949186	exonic	IKZF3	17	37944510	37949186	0	0	0	0	2	0	4676	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:38788446-38793824	exonic	SMARCE1	17	38788446	38793824	0	0	0	0	2	0	5378	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:41247862-41276132	exonic	BRCA1	17	41247862	41276132	0	0	0	0	2	0	28270	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:44159807-44197415	exonic	KANSL1	17	44159807	44197415	0	0	0	0	2	0	37608	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr17:455111-531471	exonic	VPS53	17	455111	531471	0	0	0	0	2	0	76360	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:46919059-46926739	exonic	CALCOCO2	17	46919059	46926739	0	0	0	0	2	0	7680	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:47809642-47810082	exonic	FAM117A	17	47809642	47810082	0	0	0	0	2	0	440	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:48818463-48819092	exonic	LUC7L3	17	48818463	48819092	0	0	0	0	2	0	629	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:49294694-49297824	exonic	MBTD1	17	49294694	49297824	0	0	0	0	2	0	3130	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:5253745-5266311	exonic	RABEP1	17	5253745	5266311	0	0	0	0	2	0	12566	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:5314022-5320002	exonic	NUP88	17	5314022	5320002	0	0	0	0	2	0	5980	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:57958254-57968402	exonic	TUBD1	17	57958254	57968402	0	0	0	0	2	0	10148	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:58538023-58539422	exonic	APPBP2	17	58538023	58539422	0	0	0	0	2	0	1399	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:59821792-59857762	exonic	BRIP1	17	59821792	59857762	0	0	0	0	2	0	35970	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:59967146-59969050	exonic	INTS2	17	59967146	59969050	0	0	0	0	2	0	1904	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:64092368-64179425	exonic	CEP112	17	64092368	64179425	0	0	0	0	2	0	87057	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:6531436-6538491	exonic	KIAA0753	17	6531436	6538491	0	0	0	0	2	0	7055	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:65882243-65900956	exonic	BPTF	17	65882243	65900956	0	0	0	0	2	0	18713	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:65941524-65955991	exonic	BPTF	17	65941524	65955991	0	0	0	0	2	0	14467	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:66229558-66232813	intergenic	LOC440461 (dist=33115), AM22 (dist=11332)	17	66229558	66232813	0	0	0	0	2	0	3255	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:67273781-67280213	exonic	ABCA5	17	67273781	67280213	0	0	0	0	2	0	6432	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:73951646-73952028	exonic	ACOX1	17	73951646	73952028	0	0	0	0	2	0	382	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:73951646-73953647	exonic	ACOX1	17	73951646	73953647	0	0	0	0	2	0	2001	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:78290987-78310178	exonic	RNF213	17	78290987	78310178	0	0	0	0	2	0	19191	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:80721840-80726442	exonic	TBCD	17	80721840	80726442	0	0	0	0	2	0	4602	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:80847543-80851508	exonic	TBCD	17	80847543	80851508	0	0	0	0	2	0	3965	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr17:8273105-8275399	exonic	KRBA2	17	8273105	8275399	0	0	0	0	2	0	2294	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:116841-118504	ncRNA_exonic	ROCK1P1	18	116841	118504	0	0	0	0	2	0	1663	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:13569792-13571730	intronic	LDLRAD4	18	13569792	13571730	0	0	0	0	2	0	1938	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:13631834-13636589	intronic	LDLRAD4	18	13631834	13636589	0	0	0	0	2	0	4755	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:18619432-18625428	exonic	ROCK1	18	18619432	18625428	0	0	0	0	2	0	5996	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:19418325-19424214	exonic	MIB1	18	19418325	19424214	0	0	0	0	2	0	5889	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:216486-224179	exonic	THOC1	18	216486	224179	0	0	0	0	2	0	7693	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:2762102-2770106	exonic	SMCHD1	18	2762102	2770106	0	0	0	0	2	0	8004	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:29884193-29885592	intronic	GAREM1	18	29884193	29885592	0	0	0	0	2	0	1399	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:39550290-39570518	exonic	PIK3C3	18	39550290	39570518	0	0	0	0	2	0	20228	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:39593405-39595530	exonic	PIK3C3	18	39593405	39595530	0	0	0	0	2	0	2125	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:56615299-56621031	exonic	ZNF532	18	56615299	56621031	0	0	0	0	2	0	5732	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:59888270-59933982	exonic	KIAA1468	18	59888270	59933982	0	0	0	0	2	0	45712	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr18:67753848-67795782	exonic	RTTN	18	67753848	67795782	0	0	0	0	2	0	41934	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:76886266-76953263	exonic	ATP9B	18	76886266	76953263	2	0	0	2	2	0	66997	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr18:77733522-77737701	exonic	TXNL4A	18	77733522	77737701	0	0	0	0	2	0	4179	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:11513325-11516102	exonic	RGL3	19	11513325	11516102	0	0	0	0	2	0	2777	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:11546360-11546510	splicing	CCDC151	19	11546360	11546510	0	0	0	0	2	0	150	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:11833769-11834157	exonic	ZNF823	19	11833769	11834157	0	0	0	0	2	0	388	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:12458128-12463928	exonic	ZNF442	19	12458128	12463928	0	0	0	0	2	0	5800	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:12821434-12822427	exonic	TNP02	19	12821434	12822427	0	0	0	0	2	0	993	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:14104337-14110187	exonic	RFX1	19	14104337	14110187	0	0	0	0	2	0	5850	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:16973162-16977367	exonic	SIN3B	19	16973162	16977367	0	0	0	0	2	0	4205	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:17772465-17779383	exonic	UNC13A	19	17772465	17779383	0	0	0	0	2	0	6918	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:18541650-18543024	exonic	SSBP4	19	18541650	18543024	0	0	0	0	2	0	1374	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:18707431-18707859	exonic	CRLF1	19	18707431	18707859	0	0	0	0	2	0	428	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:20215711-20217357	exonic	ZNF90	19	20215711	20217357	0	0	0	0	2	0	1646	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:2112859-2114198	exonic	AP3D1	19	2112859	2114198	0	0	0	0	2	0	1339	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:3058378-3059758	intronic	AES	19	3058378	3059758	0	0	0	0	2	0	1380	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:33428536-33457372	exonic	CEP89	19	33428536	33457372	0	0	0	0	2	0	28836	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:34712412-34712643	exonic	LSM14A	19	34712412	34712643	0	0	0	0	2	0	231	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:35998359-35999142	exonic	DMKN	19	35998359	35999142	0	0	0	0	2	0	783	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:36219265-36220197	exonic	KMT2B	19	36219265	36220197	0	0	0	0	2	0	932	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:37492233-37492585	intergenic	ZNF568 (dist=3399), ZNF420 (dist=76797)	19	37492233	37492585	0	0	0	0	2	0	352	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:37597527-37615984	intronic	ZNF420	19	37597527	37615984	0	0	0	0	2	0	18457	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:37814320-37818867	intergenic	LOC284412 (dist=54408), HKR1 (dist=6713)	19	37814320	37818867	0	0	0	0	2	0	4547	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:38185790-38186872	downstream	ZNF607 (dist=392)	19	38185790	38186872	0	0	0	0	2	0	1082	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:39660397-39663445	exonic	PAK4	19	39660397	39663445	0	0	0	0	2	0	3048	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:4865424-4865845	intronic	PLIN3	19	4865424	4865845	0	0	0	0	2	0	421	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:48718596-48725112	exonic	CARD8	19	48718596	48725112	0	0	0	0	2	0	6516	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:52909160-52909896	exonic	ZNF528	19	52909160	52909896	0	0	0	0	2	0	736	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:53577393-53578436	exonic	ZNF160	19	53577393	53578436	0	0	0	0	2	0	1043	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:5700799-5706003	exonic	LONP1	19	5700799	5706003	0	0	0	0	2	0	5204	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:58264659-58268366	exonic	ZNF776	19	58264659	58268366	0	0	0	0	2	0	3707	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr19:9922828-9928696	UTR5		19	9922828	9928696	0	0	0	0	2	0	5868	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:105992018-105999452	intronic	FHL2	2	105992018	105999452	0	0	0	0	2	0	7434	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:107049390-107051658	exonic	RGPD3	2	107049390	107051658	0	0	0	0	2	0	2268	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:109405307-109411177	exonic	CCDC138	2	109405307	109411177	0	0	0	0	2	0	5870	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr2:111991205-111997573	intergenic	BCL2L11(dist=65183), MIR4435-1(dist=81016)	2	111991205	111997573	0	0	0	0	2	0	6368	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:11332273-11335151	exonic	ROCK2	2	11332273	11335151	0	0	0	0	2	0	2878	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:114588429-114589162	ncRNA_exonic	LOC101060091	2	114588429	114589162	0	0	0	0	2	0	733	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:118693070-118698873	exonic	CCDC93	2	118693070	118698873	0	0	0	0	2	0	5803	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:121043449-121047333	exonic	RALB	2	121043449	121047333	0	0	0	0	2	0	3884	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:128087497-128100770	exonic	MAP3K2	2	128087497	128100770	0	0	0	0	2	0	13273	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:135878388-135884226	exonic	RAB3GAP1	2	135878388	135884226	0	0	0	0	2	0	5838	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:135883750-135884226	exonic	RAB3GAP1	2	135883750	135884226	0	0	0	0	2	0	476	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:136071058-136103205	exonic	ZRANB3	2	136071058	136103205	0	0	0	0	2	0	32147	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:136379063-136403097	exonic	R3HDM1	2	136379063	136403097	0	0	0	0	2	0	24034	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:144193169-144194611	exonic	ARHGAP15	2	144193169	144194611	0	0	0	0	2	0	1442	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:148936268-149099905	UTR5	MB05(NM_018328:c.-280059..-279692delins0)	2	148936268	149099905	0	0	0	0	2	0	163637	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:148936269-148990964	UTR5	MB05(NM_018328:c.-280059..-279815delins0)	2	148936269	148990964	0	0	0	0	2	0	54695	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:152299772-152308219	exonic	RIF1	2	152299772	152308219	0	0	0	0	2	0	8447	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:152988627-152992117	exonic	STAM2	2	152988627	152992117	0	0	0	0	2	0	3490	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:153003675-153004814	exonic	STAM2	2	153003675	153004814	0	0	0	0	2	0	1139	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:15467873-15470889	exonic	NBAS	2	15467873	15470889	0	0	0	0	2	0	3016	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:15467873-15567918	exonic	NBAS	2	15467873	15567918	0	0	0	0	2	0	100045	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:157352555-157370008	exonic	GPD2	2	157352555	157370008	0	0	0	0	2	0	17453	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:165378489-165383645	exonic	GRB14	2	165378489	165383645	0	0	0	0	2	0	5156	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:166451552-166514530	exonic	CSRNP3	2	166451552	166514530	0	0	0	0	2	0	62978	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:171910270-171917666	exonic	TLK1	2	171910270	171917666	0	0	0	0	2	0	7396	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:173429230-173457776	exonic	PDK1	2	173429230	173457776	0	5	6	3	5	0	28546	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:173433468-173457776	exonic	PDK1	2	173433468	173457776	0	0	0	0	2	0	24308	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:174819997-174820200	exonic	SP3	2	174819997	174820200	0	0	0	0	2	0	203	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:175432805-175436403	splicing	WIPF1	2	175432805	175436403	0	0	0	0	2	0	3598	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:175945387-175962321	exonic	ATF2	2	175945387	175962321	0	0	0	0	2	0	16934	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:17876418-17877693	exonic	SMC6	2	17876418	17877693	0	0	0	0	2	0	1275	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:186815371-186951097	ncRNA_exonic	LINC01473	2	186815371	186951097	0	0	0	0	2	0	135726	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:189248489-189348219	exonic	GULP1	2	189248489	189348219	0	0	0	0	2	0	99730	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:190593386-190620046	exonic	ANKAR, OSGEPL1	2	190593386	190620046	0	0	0	0	2	0	26660	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:191375086-191383909	exonic	NEMP2	2	191375086	191383909	0	0	0	0	2	0	8823	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:198281464-198288698	exonic	SF3B1	2	198281464	198288698	0	0	0	0	2	0	7234	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:198283675-198285151	exonic	SF3B1	2	198283675	198285151	0	0	0	0	2	0	1476	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:198324655-198327455	exonic	COQ10B	2	198324655	198327455	0	0	0	0	2	0	2800	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr2:201997751-202014558	exonic	CFLAR	2	201997751	202014558	2	3	0	14	3	0	16807	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:203744710-203745052	downstream	WDR12(dist=271)	2	203744710	203745052	0	0	0	0	2	0	342	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:203834642-203842055	exonic	CARF	2	203834642	203842055	0	0	0	0	2	0	7413	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:203921149-203933198	exonic	NBEAL1	2	203921149	203933198	0	0	0	0	2	0	12049	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:204030871-204032083	exonic	NBEAL1	2	204030871	204032083	0	0	0	0	2	0	1212	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:204309590-204326648	exonic	RAPH1	2	204309590	204326648	0	0	0	0	2	0	17058	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:206959646-206960515	intergenic	IN0800(dist=8740), GC5HP3(dist=19782)	2	206959646	206960515	0	0	0	0	2	0	869	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:216177728-216179316	intronic	ATIC	2	216177728	216179316	0	0	0	0	2	0	1588	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:219353026-219360673	exonic	USP37	2	219353026	219360673	0	0	0	0	2	0	7647	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:223773450-223799405	exonic	ACSL3	2	223773450	223799405	0	0	0	0	2	0	25955	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:230678585-230695555	exonic	TRIP12	2	230678585	230695555	0	0	0	0	2	0	16970	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:231120166-231152681	exonic	SP140	2	231120166	231152681	0	0	0	0	2	0	32515	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:231134246-231152681	exonic	SP140	2	231134246	231152681	0	0	0	0	2	0	18435	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:231327233-231327812	exonic	SP100	2	231327233	231327812	0	0	0	0	2	0	579	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:233651860-233671367	exonic	GIGYF2	2	233651860	233671367	0	0	0	0	2	0	19507	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:234070369-234104141	exonic	INPP5D	2	234070369	234104141	0	0	0	0	2	0	33772	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:234457746-234460165	exonic	USP40	2	234457746	234460165	0	0	0	0	2	0	2419	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:236626200-236653483	exonic	AGAP1	2	236626200	236653483	0	0	0	0	2	0	27283	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:238448990-238455326	exonic	MLPH	2	238448990	238455326	0	0	0	0	2	0	6336	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:239170370-239177615	exonic	PER2	2	239170370	239177615	0	0	0	0	2	0	7245	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:240944626-240954277	exonic	NDUFA10	2	240944626	240954277	0	0	0	0	2	0	9651	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:27280170-27282272	exonic	AGBL5	2	27280170	27282272	0	0	0	0	2	0	2102	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:29135455-29137074	exonic	WDR43	2	29135455	29137074	0	0	0	0	2	0	1619	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:29356520-29390406	exonic	CLIP4	2	29356520	29390406	0	0	0	0	2	0	33886	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:29375550-29380213	exonic	CLIP4	2	29375550	29380213	0	0	0	0	2	0	4663	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:30682417-30791042	exonic	LCLAT1	2	30682417	30791042	0	0	0	0	2	0	108625	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:32631567-32641231	exonic	BIRC6	2	32631567	32641231	0	0	0	0	2	0	9664	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:32670588-32693179	exonic	BIRC6	2	32670588	32693179	0	0	0	0	2	0	22591	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:32718734-32724564	exonic	BIRC6	2	32718734	32724564	0	0	0	0	2	0	5830	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:37426847-37428869	ncRNA_exonic	CEBPZOS	2	37426847	37428869	0	0	0	0	2	0	2022	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:43805651-43818093	exonic	THADA	2	43805651	43818093	0	0	0	0	2	0	12442	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:44421337-44436466	exonic	PPM1B	2	44421337	44436466	0	0	0	0	2	0	15129	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:44451502-44452890	intronic	PPM1B	2	44451502	44452890	0	0	0	0	2	0	1388	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:54125006-54127154	exonic	PSME4	2	54125006	54127154	0	0	0	0	2	0	2148	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:55539569-55544485	exonic	CCDC88A	2	55539569	55544485	0	0	0	0	2	0	4916	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr2:55804450-55816092	exonic	PPP4R3B	2	55804450	55816092	0	0	0	0	2	0	11642	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:55986331-56000047	intergenic	PWPT1 (dist=65286), EFEMP1 (dist=93050)	2	55986331	56000047	0	0	0	0	2	0	13716	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:61118818-61149134	exonic	REL	2	61118818	61149134	0	0	0	0	2	0	30316	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:61431631-61441829	exonic	USP34	2	61431631	61441829	0	0	0	0	2	0	10198	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:61450194-61454353	exonic	USP34	2	61450194	61454353	0	0	0	0	2	0	4159	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:64796225-64800202	exonic	AFTPH	2	64796225	64800202	0	0	0	0	2	0	3977	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:69569283-69590802	exonic	GFPT1	2	69569283	69590802	0	0	0	0	2	0	21519	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:71626688-71633392	exonic	ZNF638	2	71626688	71633392	0	0	0	0	2	0	6704	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:72719446-72742255	exonic	EXOC6B	2	72719446	72742255	0	0	0	0	2	0	22809	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:8452856-8466554	ncRNA_exonic	LINC00299	2	8452856	8466554	0	0	0	0	2	0	13698	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:85892411-85892917	exonic	SFTPB	2	85892411	85892917	0	0	0	0	2	0	506	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:86386659-86389202	exonic	IMMT	2	86386659	86389202	0	0	0	0	2	0	2543	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:88094635-88095367	exonic	RGPD1, RGPLD2	2	88094635	88095367	0	0	0	0	2	0	732	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:97259036-97261368	exonic	KANSL3	2	97259036	97261368	0	0	0	0	2	0	2332	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:97808376-97833504	exonic	ANKRD36	2	97808376	97833504	0	0	0	0	2	0	25128	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:97860582-97871705	exonic	ANKRD36	2	97860582	97871705	0	0	0	0	2	0	11123	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:98124026-98132408	exonic	ANKRD36B	2	98124026	98132408	0	0	0	0	2	0	8382	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:99342701-99343030	exonic	MGAT4A	2	99342701	99343030	0	0	0	0	2	0	329	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr2:99720429-99743639	exonic	TSGA10	2	99720429	99743639	0	0	0	0	2	0	23210	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:31954664-31984890	exonic	CDK5RAP1	20	31954664	31984890	0	0	0	0	2	0	30226	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:33068403-33069011	exonic	ITCH	20	33068403	33069011	0	0	0	0	2	0	608	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:33632307-33657215	exonic	TRPC4AP	20	33632307	33657215	0	0	0	0	2	0	24908	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:37117045-37121775	exonic	RALGAPB	20	37117045	37121775	0	0	0	0	2	0	4730	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:4839934-4848521	exonic	SLC23A2	20	4839934	4848521	0	0	0	0	2	0	8587	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:49493023-49494124	exonic	BCAS4	20	49493023	49494124	0	0	0	0	2	0	1101	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:50234028-50245611	exonic	ATP9A	20	50234028	50245611	0	0	0	0	2	0	11583	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:50305602-50346517	exonic	ATP9A	20	50305602	50346517	0	0	0	0	2	0	40915	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:5157294-5159602	exonic	CDS2	20	5157294	5159602	0	0	0	0	2	0	2308	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:60701495-60702621	exonic	LSM14B	20	60701495	60702621	0	0	0	0	2	0	1126	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:60848364-60859225	exonic	OSBPL2	20	60848364	60859225	0	0	0	0	2	0	10861	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr20:62541804-62542120	intronic	DNAJC5	20	62541804	62542120	0	0	0	0	2	0	316	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr21:27337216-27358772	exonic	APP	21	27337216	27358772	0	0	0	0	2	0	21556	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr21:37595528-37597965	exonic	DOPEY2	21	37595528	37597965	0	0	0	0	2	0	2437	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr21:37619814-37623582	exonic	DOPEY2	21	37619814	37623582	0	0	0	0	2	0	3768	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr21:38844985-38868560	exonic	DYRK1A	21	38844985	38868560	0	0	0	0	2	0	23575	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr21:40582075-40582711	splicing	BRWD1	21	40582075	40582711	0	0	0	0	2	0	636	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr21:40596334-40601362	exonic	BRWD1	21	40596334	40601362	0	0	0	0	2	0	5028	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr21:47155306-47175366	intergenic	<small>SLC19A1 (4141+192921)...LOC100129027 (4141+72389)</small>	21	47155306	47175366	0	0	0	0	2	0	20060	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:20047524-20047801	intronic	TANGO2	22	20047524	20047801	0	0	0	0	2	0	277	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:22142545-22162135	exonic	MAPK1	22	22142545	22162135	0	0	0	0	2	0	19590	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:29025539-29025818	exonic	TTC28	22	29025539	29025818	0	0	0	0	2	0	279	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:30353024-30387659	exonic	MTMR3	22	30353024	30387659	0	0	0	0	2	0	34635	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:32108068-32113277	exonic	PRR14L	22	32108068	32113277	0	0	0	0	2	0	5209	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:36661197-36661902	exonic	APOL1	22	36661197	36661902	0	0	0	0	2	0	705	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:41513190-41527637	exonic	EP300	22	41513190	41527637	0	0	0	0	2	0	14447	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:42565852-42611347	exonic	TCF20	22	42565852	42611347	0	0	0	0	2	0	45495	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:43195044-43213863	exonic	ARFGAP3	22	43195044	43213863	0	0	0	0	2	0	18819	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr22:44127578-44151712	exonic	EFCAB6	22	44127578	44151712	0	0	0	0	2	0	24134	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:105238910-105252534	exonic	ALCAM	3	105238910	105252534	0	0	0	0	2	0	13624	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:112256581-112269109	exonic	ATG3	3	112256581	112269109	0	0	0	0	2	0	12528	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:113077591-113135474	exonic	CFAP44	3	113077591	113135474	0	0	0	0	2	0	57883	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:11399892-11518742	exonic	ATG7	3	11399892	11518742	0	0	0	0	2	0	118850	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:121508920-121526290	exonic	IQCB1	3	121508920	121526290	0	0	0	0	2	0	17370	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:121544897-121547819	exonic	IQCB1	3	121544897	121547819	0	0	0	0	2	0	2922	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:128620118-128623348	exonic	ACAD9	3	128620118	128623348	0	0	0	0	2	0	3230	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:130435239-130454846	exonic	PIK3R4	3	130435239	130454846	0	0	0	0	2	0	19607	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:135801106-135809509	exonic	PPP2R3A	3	135801106	135809509	0	0	0	0	2	0	8403	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:138213078-138251412	exonic	CEP70	3	138213078	138251412	0	0	0	0	2	0	38334	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:138426133-138431049	splicing	PIK3CB	3	138426133	138431049	0	0	0	0	2	0	4916	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:141622461-141640905	exonic	ATP1B3	3	141622461	141640905	0	0	0	0	2	0	18444	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:142089326-142133133	exonic	XRN1	3	142089326	142133133	0	0	0	0	2	0	43807	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:142231102-142279296	exonic	ATR	3	142231102	142279296	0	0	0	0	2	0	48194	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:142751625-142754946	exonic	U2SURP	3	142751625	142754946	0	0	0	0	2	0	3321	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:148792001-148793834	exonic	HLTF	3	148792001	148793834	0	0	0	0	2	0	1833	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:155301260-155314167	exonic	PLCH1	3	155301260	155314167	0	0	0	0	2	0	12907	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:155615715-155654299	exonic	GMPS	3	155615715	155654299	0	0	0	0	2	0	38584	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:156395445-156396403	exonic	TIPARP	3	156395445	156396403	0	0	0	0	2	0	958	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:160099291-160112098	exonic	IFT80	3	160099291	160112098	0	0	0	0	2	0	12807	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:16633556-16640105	exonic	DAZL	3	16633556	16640105	0	0	0	0	2	0	6549	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:183465459-183504089	exonic	YEATS2	3	183465459	183504089	0	0	0	0	2	0	38630	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr3:183493702-183495488	exonic	YEATS2	3	183493702	183495488	0	0	0	0	2	0	1786	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:183493702-183508768	exonic	YEATS2	3	183493702	183508768	0	0	0	0	2	0	15066	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:194159584-194168738	exonic	ATP13A3	3	194159584	194168738	0	0	0	0	2	0	9154	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:195451551-195456610	exonic	MUC20	3	195451551	195456610	0	0	0	0	2	0	5059	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:286295-370037	exonic	CHL1	3	286295	370037	0	0	0	0	2	0	83742	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:29910348-29977687	exonic	RBMS3	3	29910348	29977687	0	0	0	0	2	0	67339	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:32574477-32578596	exonic	DYNC1LI1	3	32574477	32578596	0	0	0	0	2	0	4119	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:3819409-3824385	intergenic	<small>CRBN (dist=598008), LRRN1 (dist=16736)</small>	3	3819409	3824385	0	0	0	0	2	0	4976	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:42662920-42674315	exonic	NKTR	3	42662920	42674315	0	0	0	0	2	0	11395	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:44835708-44835918	exonic	KIF15	3	44835708	44835918	0	0	0	0	2	0	210	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:45030631-45049067	exonic	EXOSC7	3	45030631	45049067	0	0	0	0	2	0	18436	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:47220918-47221173	<small>ncRNA_intronic</small>	KIF9-AS1	3	47220918	47221173	0	0	0	0	2	0	255	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:47468646-47470160	exonic	SCAP	3	47468646	47470160	0	0	0	0	2	0	1514	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:47787397-47814426	exonic	SMARCC1	3	47787397	47814426	0	0	0	0	2	0	27029	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:52668617-52678805	exonic	PBRM1	3	52668617	52678805	0	0	0	0	2	0	10188	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:56694758-56696518	exonic	FAM208A	3	56694758	56696518	0	0	0	0	2	0	1760	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:57283387-57291456	exonic	APPL1	3	57283387	57291456	0	0	0	0	2	0	8069	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:60164169-60166168	intronic	FHIT	3	60164169	60166168	0	0	0	0	2	0	1999	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:69986972-70008571	exonic	MITF	3	69986972	70008571	0	0	0	0	2	0	21599	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:9476507-9487424	exonic	SETD5	3	9476507	9487424	0	0	0	0	2	0	10917	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr3:97614802-97634580	exonic	CRYBG3	3	97614802	97634580	0	0	0	0	2	0	19778	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:103585842-103600866	exonic	MANBA	4	103585842	103600866	0	0	0	0	2	0	15024	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:103987483-103988749	exonic	SLC9B2	4	103987483	103988749	0	0	0	0	2	0	1266	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:106345352-106370560	exonic	PPA2	4	106345352	106370560	0	0	0	0	2	0	25208	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:110153302-110177930	intronic	COL25A1	4	110153302	110177930	0	0	0	0	2	0	24628	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:110442272-110454841	exonic	SEC24B	4	110442272	110454841	0	0	0	0	2	0	12569	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:114530308-114600652	exonic	CAMK2D	4	114530308	114600652	0	0	0	0	2	0	70344	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:120189422-120193189	exonic	USP53	4	120189422	120193189	0	0	0	0	2	0	3767	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:120440199-120528452	exonic	PDE5A	4	120440199	120528452	0	0	0	0	2	0	88253	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:123193314-123202929	exonic	KIAA1109	4	123193314	123202929	0	0	0	0	2	0	9615	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:139980763-139981477	splicing	ELF2	4	139980763	139981477	0	0	0	0	2	0	714	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:141590070-141600997	exonic	TBC1D9	4	141590070	141600997	0	0	0	0	2	0	10927	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:146080655-146092872	exonic	OTUD4	4	146080655	146092872	0	0	0	0	2	0	12217	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:148867767-148944564	exonic	ARHGAP10	4	148867767	148944564	0	0	0	2	1	0	76797	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:152020866-152021634	exonic	RPS3A	4	152020866	152021634	0	0	0	0	2	0	768	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr4:153303341-153333681	exonic	FBXW7	4	153303341	153333681	0	0	0	0	2	0	30340	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:173852651-173883891	exonic	GALNTL6	4	173852651	173883891	0	0	0	0	2	0	31240	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:1952799-1955251	exonic	WHSC1	4	1952799	1955251	0	0	0	0	2	0	2452	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:25253942-25265471	exonic	PI4K2B	4	25253942	25265471	0	0	0	0	2	0	11529	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:25517761-25520475	intergenic	ANAPC4 (dist=97641), SLC34A2 (dist=136960)	4	25517761	25520475	0	0	0	0	2	0	2714	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:25669501-25673343	exonic	SLC34A2	4	25669501	25673343	0	0	0	0	2	0	3842	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:25777898-25823750	exonic	SEL1L3	4	25777898	25823750	0	0	0	0	2	0	45852	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:26719554-26755512	exonic	TBC1D19	4	26719554	26755512	0	0	0	0	2	0	35958	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:39322003-39325037	exonic	RFC1	4	39322003	39325037	0	0	0	0	2	0	3034	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:39843567-39846421	exonic	PDS5A	4	39843567	39846421	0	0	0	0	2	0	2854	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:39915230-39924368	exonic	PDS5A	4	39915230	39924368	0	0	0	0	2	0	9138	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:40776282-40778276	exonic	NSUN7	4	40776282	40778276	0	0	0	0	2	0	1994	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:41033165-41036451	exonic	APBB2	4	41033165	41036451	0	0	0	0	2	0	3286	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:48091766-48106972	exonic	TXK	4	48091766	48106972	0	0	0	0	2	0	15206	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:48379912-48385801	exonic	SLAIN2	4	48379912	48385801	0	0	0	0	2	0	5889	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:52714370-52765544	exonic	DCUN1D4	4	52714370	52765544	0	0	0	0	2	0	51174	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:56314945-56319991	exonic	CLOCK	4	56314945	56319991	0	0	0	0	2	0	5046	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:72136705-72263370	exonic	SLC4A4	4	72136705	72263370	0	0	0	0	2	0	126665	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:75040222-75067087	exonic	MTHFD2L	4	75040222	75067087	0	0	0	0	2	0	26865	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:76902525-76903190	exonic	SDAD1	4	76902525	76903190	0	0	0	0	2	0	665	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:83275202-83280792	exonic	HNRNPD	4	83275202	83280792	0	0	0	0	2	0	5590	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:83763292-83778917	exonic	SEC31A	4	83763292	83778917	0	0	0	0	2	0	15625	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:83867410-83891622	exonic	LIN54	4	83867410	83891622	0	0	0	0	2	0	24212	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:84337883-84370114	exonic	HELQ	4	84337883	84370114	0	0	0	0	2	0	32231	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:85686962-85724620	exonic	WDFY3	4	85686962	85724620	0	0	0	0	2	0	37658	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:85811547-85817150	intronic	WDFY3	4	85811547	85817150	0	0	0	0	2	0	5603	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:85818064-85833472	UTR5	WDFY3 (NM_014991:c.36419_36320delins0)	4	85818064	85833472	0	0	0	0	2	0	15408	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:870317-871597	exonic	GAK	4	870317	871597	0	0	0	0	2	0	1280	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:89708903-89726203	exonic	FAM13A	4	89708903	89726203	0	0	0	0	2	0	17300	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:95509622-95511020	intronic	PDLIM5	4	95509622	95511020	0	0	0	0	2	0	1398	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:9982215-9998565	exonic	SLC2A9	4	9982215	9998565	0	0	0	0	2	0	16350	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:1057586-1094363	exonic	SLC12A7	5	1057586	1094363	0	0	0	0	2	0	36777	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:112336780-112339774	exonic	DCP2	5	112336780	112339774	0	0	0	0	2	0	2994	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:118433673-118456834	exonic	DMXL1	5	118433673	118456834	0	0	0	0	2	0	23161	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:118440874-118454699	exonic	DMXL1	5	118440874	118454699	0	0	0	0	2	0	13825	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr5:122881110-122881535	exonic	CSNK1G3	5	122881110	122881535	0	0	0	0	2	0	425	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:123974825-123980354	exonic	ZNF608	5	123974825	123980354	0	0	0	0	2	0	5529	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:131924378-131939738	exonic	RAD50	5	131924378	131939738	0	0	0	0	2	0	15360	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:132262812-132272885	exonic	AFF4	5	132262812	132272885	0	0	0	0	2	0	10073	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:134010304-134015418	exonic	SEC24A	5	134010304	134015418	0	0	0	0	2	0	5114	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:134109385-134117776	exonic	DDX46	5	134109385	134117776	0	0	0	0	2	0	8391	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:137853249-137854556	exonic	ETF1	5	137853249	137854556	0	0	0	0	2	0	1307	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:138654596-138655190	exonic	MATR3	5	138654596	138655190	0	0	0	0	2	0	594	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:139568649-139574237	exonic	CYSTM1	5	139568649	139574237	0	0	0	0	2	0	5588	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:140305481-140308910	exonic	PCDHAC1	5	140305481	140308910	0	0	0	0	2	0	3429	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:141511372-141517423	exonic	NDFIP1	5	141511372	141517423	0	0	0	0	2	0	6051	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:142281499-142311690	exonic	ARHGAP26	5	142281499	142311690	0	0	0	0	2	0	30191	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:142283104-142311690	exonic	ARHGAP26	5	142283104	142311690	0	0	0	0	2	0	28586	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:142287268-142311690	exonic	ARHGAP26	5	142287268	142311690	0	0	0	0	2	0	24422	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:145647211-145649147	exonic	RBM27	5	145647211	145649147	0	0	0	0	2	0	1936	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:156668656-156671488	exonic	ITK	5	156668656	156671488	0	0	0	0	2	0	2832	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:156932725-156934124	exonic	ADAM19	5	156932725	156934124	0	0	0	0	2	0	1399	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:157218710-157221980	exonic	CLINT1	5	157218710	157221980	0	0	0	0	2	0	3270	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:170648761-170669824	exonic	RANBP17	5	170648761	170669824	0	0	0	0	2	0	21063	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:172513503-172518404	exonic	CREBRF	5	172513503	172518404	0	0	0	0	2	0	4901	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:180668491-180669345	exonic	GNB2L1	5	180668491	180669345	0	0	0	0	2	0	854	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:32364053-32400308	exonic	ZFR	5	32364053	32400308	0	0	0	0	2	0	36255	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:32379220-32388780	exonic	ZFR	5	32379220	32388780	0	0	0	0	2	0	9560	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:37243114-37244709	exonic	C5orf42	5	37243114	37244709	0	0	0	0	2	0	1595	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:54941616-54952602	exonic	SLC38A9	5	54941616	54952602	0	0	0	0	2	0	10986	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:56509900-56527148	exonic	GPBP1	5	56509900	56527148	0	0	0	0	2	0	17248	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:58334685-58334798	exonic	PDE4D	5	58334685	58334798	0	0	0	0	2	0	113	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:64760539-64760743	intronic	ADAMTS6	5	64760539	64760743	0	0	0	0	2	0	204	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:6606932-6620411	exonic	NSUN2	5	6606932	6620411	0	0	0	0	2	0	13479	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:68602643-68607031	exonic	CCDC125	5	68602643	68607031	0	0	0	0	2	0	4388	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:68666861-68677884	exonic	RAD17	5	68666861	68677884	0	0	0	0	2	0	11023	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:72370568-72374139	exonic	FCHO2	5	72370568	72374139	0	0	0	0	2	0	3571	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:73069679-73076570	exonic	ARHGEF28	5	73069679	73076570	0	0	0	0	2	0	6891	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:74675162-74677026	exonic	COL4A3BP	5	74675162	74677026	0	0	0	0	2	0	1864	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:74842834-74848416	exonic	POLK	5	74842834	74848416	0	0	0	0	2	0	5582	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr5:76342171-76357627	exonic	AGGF1	5	76342171	76357627	0	0	0	0	2	0	15456	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:76344760-76351421	exonic	AGGF1	5	76344760	76351421	0	0	0	0	2	0	6661	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:79470776-79473886	exonic	SERINC5	5	79470776	79473886	0	0	0	0	2	0	3110	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:80063751-80109560	exonic	MSH3	5	80063751	80109560	0	0	0	0	2	0	45809	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:80932376-80948145	exonic	SSBP2	5	80932376	80948145	0	0	0	0	2	0	15769	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:95072592-95091465	exonic	RHOBTB3	5	95072592	95091465	0	0	0	0	2	0	18873	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:95080686-95080869	intronic	RHOBTB3	5	95080686	95080869	0	0	0	0	2	0	183	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr5:98217678-98230390	exonic	CHD1	5	98217678	98230390	0	0	0	0	2	0	12712	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:100988038-100988263	exonic	ASCC3	6	100988038	100988263	0	0	0	0	2	0	225	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:10758132-10759246	exonic	TMEM14B	6	10758132	10759246	0	0	0	0	2	0	1114	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:108218852-108246136	exonic	SEC63	6	108218852	108246136	0	0	0	0	2	0	27284	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:110036280-110037771	exonic	FIG4	6	110036280	110037771	0	0	0	0	2	0	1491	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:110522760-110533475	exonic	CDC40	6	110522760	110533475	0	0	0	0	2	0	10715	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:111038258-111039014	intronic	CDK19	6	111038258	111039014	0	0	0	0	2	0	756	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:111632271-111643881	exonic	REV3L	6	111632271	111643881	0	0	0	0	2	0	11610	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:11305299-11334794	exonic	NEDD9	6	11305299	11334794	0	0	0	0	2	0	29495	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:126332399-126360071	exonic	TRMT11	6	126332399	126360071	0	0	0	0	2	0	27672	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:130374003-130442103	exonic	L3MBTL3	6	130374003	130442103	0	0	0	0	2	0	68100	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:132791799-132792601	splicing	STX7	6	132791799	132792601	0	0	0	0	2	0	802	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:133806999-133827408	exonic	EYA4	6	133806999	133827408	0	0	0	0	2	0	20409	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:135715913-135778851	exonic	AHI1	6	135715913	135778851	0	0	0	0	2	0	62938	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:138192349-138192659	exonic	TNFAIP3	6	138192349	138192659	0	0	0	0	2	0	310	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:144070121-144098520	exonic	PHACTR2	6	144070121	144098520	0	0	0	0	2	0	28399	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:144768346-145124283	exonic	UTRN	6	144768346	145124283	0	0	0	0	2	0	355937	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:144768737-144809970	exonic	UTRN	6	144768737	144809970	0	0	0	0	2	0	41233	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:144772505-144784002	exonic	UTRN	6	144772505	144784002	0	0	0	0	2	0	11497	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:144852187-144898424	exonic	UTRN	6	144852187	144898424	0	0	0	0	2	0	46237	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:145142017-145157677	exonic	UTRN	6	145142017	145157677	0	0	0	0	2	0	15660	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:152163732-152201906	exonic	ESR1	6	152163732	152201906	0	0	0	0	2	0	38174	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:158349630-158357072	exonic	SNX9	6	158349630	158357072	0	0	0	0	2	0	7442	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:158504460-158505206	exonic	SYNJ2	6	158504460	158505206	0	0	0	0	2	0	746	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:158683677-158735300	exonic	TULP4	6	158683677	158735300	0	0	0	0	2	0	51623	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:159082300-159104021	exonic	SYTL3	6	159082300	159104021	0	0	0	0	2	0	21721	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:159401805-159404839	exonic	RSPH3	6	159401805	159404839	0	0	0	0	2	0	3034	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:160200658-160207029	exonic	TCP1	6	160200658	160207029	0	0	0	0	2	0	6371	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr6:17602820-17606244	exonic	FAM8A1	6	17602820	17606244	0	0	0	0	2	0	3424	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:17817250-17834302	exonic	KIF13A	6	17817250	17834302	0	0	0	0	2	0	17052	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:17834191-17837814	exonic	KIF13A	6	17834191	17837814	0	0	0	0	2	0	3623	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:18160113-18171710	exonic	KDM1B	6	18160113	18171710	0	0	0	0	2	0	11597	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:18249881-18258293	exonic	DEK	6	18249881	18258293	0	0	0	0	2	0	8412	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:2294679-2295009	ncRNA_intronic	GMDS-AS1	6	2294679	2295009	0	0	0	0	2	0	330	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:25097288-25110331	ncRNA_exonic	CMAHP	6	25097288	25110331	0	0	0	0	2	0	13043	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:27793084-27797096	downstream	HIST1H4J (dist=826)	6	27793084	27797096	0	0	0	0	2	0	4012	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:30459430-30460158	exonic	HLA-E	6	30459430	30460158	0	0	0	0	2	0	728	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:33232623-33235084	exonic	VPS52	6	33232623	33235084	0	0	0	0	2	0	2461	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:35277446-35280315	exonic	DEF6	6	35277446	35280315	0	0	0	0	2	0	2869	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:47494364-47522502	exonic	CD2AP	6	47494364	47522502	0	0	0	0	2	0	28138	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:50712819-50719037	exonic	TFAP2D	6	50712819	50719037	0	0	0	0	2	0	6218	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:54191599-54219434	exonic	TINAG	6	54191599	54219434	0	0	0	0	2	0	27835	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:57017018-57025950	exonic	ZNF451	6	57017018	57025950	0	0	0	0	2	0	8932	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:592468-610178	exonic	EXOC2	6	592468	610178	0	0	0	0	2	0	17710	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:63986808-64031204	exonic	LGSN	6	63986808	64031204	0	0	0	0	2	0	44396	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:64110500-64114506	intergenic	LGSN (dist=80618), PTP4A1 (dist=167411)	6	64110500	64114506	0	0	0	0	2	0	4006	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:64389900-64395812	exonic	PHF3	6	64389900	64395812	0	0	0	0	2	0	5912	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:71442080-71508440	exonic	SMAP1	6	71442080	71508440	0	0	0	0	2	0	66360	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:76344423-76350420	exonic	SENP6	6	76344423	76350420	0	0	0	0	2	0	5997	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:76568618-76572440	exonic	MYO6	6	76568618	76572440	0	0	0	0	2	0	3822	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:7784939-7785139	intronic	BMP6	6	7784939	7785139	0	0	0	0	2	0	200	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:90556280-90565263	exonic	CASP8AP2	6	90556280	90565263	0	0	0	0	2	0	8983	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:99912479-99916494	exonic	USP45	6	99912479	99916494	0	0	0	0	2	0	4015	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:99912479-99958106	exonic	USP45	6	99912479	99958106	0	0	0	0	2	0	45627	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr6:99936075-99958106	exonic	USP45	6	99936075	99958106	0	0	0	0	2	0	22031	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:105182854-105192154	exonic	RINT1	7	105182854	105192154	0	0	0	0	2	0	9300	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:115750762-115761522	intergenic	TFEC (dist=79895), TES (dist=89025)	7	115750762	115761522	0	0	0	0	2	0	10760	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:117175301-117199709	exonic	CFTR	7	117175301	117199709	0	0	0	0	2	0	24408	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:120606679-120610934	exonic	ING3	7	120606679	120610934	0	0	0	0	2	0	4255	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:122047594-122114571	exonic	CADPS2	7	122047594	122114571	0	0	0	0	2	0	66977	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:129541666-129542145	intronic	UBE2H	7	129541666	129542145	0	0	0	0	2	0	479	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:131113791-131151174	exonic	MKLN1	7	131113791	131151174	0	0	0	0	2	0	37383	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:148451092-148464841	exonic	CUL1	7	148451092	148464841	0	0	0	0	2	0	13749	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr7:151891093-151896544	exonic	KMT2C	7	151891093	151896544	0	0	0	0	2	0	5451	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:151946960-151970952	exonic	KMT2C	7	151946960	151970952	0	0	0	0	2	0	23992	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:157009560-157024021	exonic	UBE3C	7	157009560	157024021	0	0	0	0	2	0	14461	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:158663832-158672680	exonic	WDR60	7	158663832	158672680	0	0	0	0	2	0	8848	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:23545756-23552701	exonic	TRA2A	7	23545756	23552701	0	0	0	0	2	0	6945	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:33055281-33066527	exonic	NT5C3A	7	33055281	33066527	0	0	0	0	2	0	11246	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:40117603-40118450	exonic	CDK13	7	40117603	40118450	0	0	0	0	2	0	847	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:56049903-56052571	exonic	GBAS	7	56049903	56052571	0	0	0	0	2	0	2668	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:6465618-6472590	exonic	DAGLB	7	6465618	6472590	0	0	0	0	2	0	6972	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:65941246-65950140	intergenic	<small>LINC00174(dist=75851), GSI-124K5.11(dist=45152)</small>	7	65941246	65950140	0	0	0	0	2	0	8894	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:66199611-66200742	intronic	RABGEF1	7	66199611	66200742	0	0	0	0	2	0	1131	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:72178578-72209578	exonic	TYW1B	7	72178578	72209578	0	0	0	0	2	0	31000	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:76883822-76891624	exonic	CCDC146	7	76883822	76891624	0	0	0	0	2	0	7802	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:79828540-79840414	exonic	GNAI1	7	79828540	79840414	0	0	0	0	2	0	11874	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:8062112-8099878	exonic	GLCCI1	7	8062112	8099878	0	0	0	0	2	0	37766	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:888055-905704	exonic	SUN1	7	888055	905704	0	0	0	0	2	0	17649	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:90237844-90419967	exonic	CDK14	7	90237844	90419967	0	0	0	0	2	0	182123	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:91622198-91632549	exonic	AKAP9	7	91622198	91632549	0	0	0	0	2	0	10351	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:91842508-91871451	exonic	KRIT1	7	91842508	91871451	0	0	0	0	2	0	28943	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr7:99082816-99092254	exonic	ZNF394, ZNF789	7	99082816	99092254	0	0	0	0	2	0	9438	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:100587886-100597745	exonic	VPS13B	8	100587886	100597745	0	0	0	0	2	0	9859	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:103311200-103311679	splicing	UBR5	8	103311200	103311679	0	0	0	0	2	0	479	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:10677702-10692285	exonic	PINX1	8	10677702	10692285	0	0	0	0	2	0	14583	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:124368628-124373886	exonic	ATAD2	8	124368628	124373886	0	0	0	0	2	0	5258	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:133622412-133627343	exonic	LRRC6	8	133622412	133627343	0	0	0	0	2	0	4931	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:135820747-135825412	intergenic	<small>MIR300(dist=3559), NCRNA00250(dist=24900)</small>	8	135820747	135825412	0	0	0	0	2	0	4665	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:141285756-141301177	exonic	TRAPPC9	8	141285756	141301177	0	0	0	0	2	0	15421	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:141310567-141370292	exonic	TRAPPC9	8	141310567	141370292	0	0	0	0	2	0	59725	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:141810558-141840625	exonic	PTK2	8	141810558	141840625	0	0	0	0	2	0	30067	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:16479750-16523269	intergenic	<small>MSR1(dist=429450), FGF20(dist=327065)</small>	8	16479750	16523269	0	0	0	0	2	0	43519	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:17510694-17532761	exonic	MTUS1	8	17510694	17532761	0	0	0	0	2	0	22067	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:17556973-17557759	intronic	MTUS1	8	17556973	17557759	0	0	0	0	2	0	786	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:17824679-17827060	exonic	PCM1	8	17824679	17827060	0	0	0	0	2	0	2381	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:21832181-21837714	exonic	XPO7	8	21832181	21837714	0	0	0	0	2	0	5533	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:30643727-30657271	exonic	PPP2CB	8	30643727	30657271	0	0	0	0	2	0	13544	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr8:30998945-31007971	exonic	WRN	8	30998945	31007971	0	0	0	0	2	0	9026	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:37991827-37992073	intronic	ASH2L	8	37991827	37992073	0	0	0	0	2	0	246	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:42725146-42743014	exonic	RNF170	8	42725146	42743014	0	0	0	0	2	0	17868	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:42761315-42823357	exonic	HOOK3	8	42761315	42823357	0	0	0	0	2	0	62042	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:42919244-42940539	exonic	FNTA	8	42919244	42940539	0	0	0	0	2	0	21295	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:48790284-48805947	exonic	PRKDC	8	48790284	48805947	0	0	0	0	2	0	15663	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:53028834-53055605	exonic	ST18	8	53028834	53055605	0	0	0	0	2	0	26771	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:54975887-54978373	exonic	LYPLA1	8	54975887	54978373	0	0	0	0	2	0	2486	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:585668-590834	intronic	ERICH1	8	585668	590834	0	0	0	0	2	0	5166	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:59535778-59555632	exonic	NSMAF	8	59535778	59555632	0	0	0	0	2	0	19854	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:68089914-68092161	exonic	CSPP1	8	68089914	68092161	0	0	0	0	2	0	2247	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:71506740-71510490	exonic	TRAM1	8	71506740	71510490	0	0	0	0	2	0	3750	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:74507400-74529686	exonic	STAU2	8	74507400	74529686	0	0	0	0	2	0	22286	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:75227095-75227855	exonic	JPH1	8	75227095	75227855	0	0	0	0	2	0	760	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:8738448-8739130	intronic	MFHAS1	8	8738448	8739130	0	0	0	0	2	0	682	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:87392954-87410867	exonic	WWP1	8	87392954	87410867	0	0	0	0	2	0	17913	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:87414248-87414432	exonic	WWP1	8	87414248	87414432	0	0	0	0	2	0	184	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:92998351-93017525	exonic	RUNX1T1	8	92998351	93017525	0	0	0	0	2	0	19174	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:94798450-94803547	exonic	TMEM67	8	94798450	94803547	0	0	0	0	2	0	5097	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:95547066-95550574	exonic	KIAA1429	8	95547066	95550574	0	0	0	0	2	0	3508	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr8:95844219-95853819	exonic	INTS8	8	95844219	95853819	0	0	0	0	2	0	9600	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:111835635-111855871	exonic	TMEM245	9	111835635	111855871	0	0	0	0	2	0	20236	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:114173259-114178632	exonic	KIAA0368	9	114173259	114178632	0	0	0	0	2	0	5373	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:114911523-114919893	exonic	SUSD1	9	114911523	114919893	0	0	0	0	2	0	8370	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:116091843-116092511	intronic	WDR31	9	116091843	116092511	0	0	0	0	2	0	668	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:123230137-123253755	exonic	CDK5RAP2	9	123230137	123253755	0	0	0	0	2	0	23618	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:125909134-125946577	exonic	STRBP	9	125909134	125946577	0	0	0	0	2	0	37443	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:125930468-125936121	exonic	STRBP	9	125930468	125936121	0	0	0	0	2	0	5653	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:126202638-126641300	exonic	DENND1A	9	126202638	126641300	0	0	0	0	2	0	438662	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:126214554-126220176	exonic	DENND1A	9	126214554	126220176	0	0	0	0	2	0	5622	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:132792167-132794576	intronic	FNBP1	9	132792167	132794576	0	0	0	0	2	0	2409	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:133585160-133585795	intergenic	EXOSC2 (dist=4879), ABL1 (dist=3473)	9	133585160	133585795	0	0	0	0	2	0	635	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:134330462-134334743	exonic	PRRC2B	9	134330462	134334743	0	0	0	0	2	0	4281	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:139809859-139810550	intronic	TRAF2	9	139809859	139810550	0	0	0	0	2	0	691	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:14239477-14239896	intronic	NFIB	9	14239477	14239896	0	0	0	0	2	0	419	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924

chr9:15199858-15214247	exonic	TTC39B	9	15199858	15214247	0	0	0	0	2	0	14389	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:17309056-17342442	exonic	CNTLN	9	17309056	17342442	0	0	0	0	2	0	33386	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:19093168-19096767	exonic	HAUS6	9	19093168	19096767	0	0	0	0	2	0	3599	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:19118454-19119647	splicing	PLIN2	9	19118454	19119647	0	0	0	0	2	0	1193	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:19276155-19316837	exonic	DENND4C	9	19276155	19316837	0	0	0	0	2	0	40682	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:19298053-19300329	exonic	DENND4C	9	19298053	19300329	0	0	0	0	2	0	2276	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:26861063-26884883	exonic	CAAP1	9	26861063	26884883	0	0	0	0	2	0	23820	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:27101914-27103074	intergenic	IFT74 (dist=38983), TEK (dist=6065)	9	27101914	27103074	0	0	0	0	2	0	1160	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:2828674-2838517	exonic	PUM3	9	2828674	2838517	0	0	0	0	2	0	9843	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:37126309-37247127	exonic	ZCCHC7	9	37126309	37247127	0	0	0	0	2	0	120818	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:4541033-4618898	exonic	SLC1A1, SPATA6L	9	4541033	4618898	0	0	0	0	2	0	77865	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:77748317-77749258	exonic	OSTF1	9	77748317	77749258	0	0	0	0	2	0	941	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:79115832-79142811	exonic	GCNT1	9	79115832	79142811	0	0	0	0	2	0	26979	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:79814860-79843180	exonic	VPS13A	9	79814860	79843180	0	0	0	0	2	0	28320	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:86284099-86301070	exonic	UBQLN1	9	86284099	86301070	0	0	0	0	2	0	16971	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:86586796-86588314	exonic	HNRNPK	9	86586796	86588314	0	0	0	0	2	0	1518	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:88292350-88307728	exonic	AGTPBP1	9	88292350	88307728	0	0	0	0	2	0	15378	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:98732857-98766983	exonic	ERCC6L2	9	98732857	98766983	0	0	0	0	2	0	34126	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr9:99126745-99130587	exonic	SLC35D2	9	99126745	99130587	0	0	0	0	2	0	3842	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrMT:10746-10954	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	10746	10954	0	0	0	0	2	0	208	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:106093254-106114043	exonic	TBC1D8B	X	106093254	106114043	0	0	0	0	2	0	20789	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:109263580-109352374	exonic	TMEM164	X	109263580	109352374	0	0	0	0	2	0	88794	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:109263580-109388104	exonic	TMEM164	X	109263580	109388104	0	0	0	0	2	0	124524	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:122820397-122831601	exonic	THOC2	X	122820397	122831601	0	0	0	0	2	0	11204	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:123587186-123695667	exonic	TENM1	X	123587186	123695667	0	0	0	0	2	0	108481	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:130466181-130503026	intergenic	IGSF1 (dist=42778), OR13H1 (dist=175022)	X	130466181	130503026	0	0	0	0	2	0	36845	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:154344332-154348443	exonic	BRCC3	X	154344332	154348443	0	0	0	0	2	0	4111	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:2871183-2876476	exonic	ARSE	X	2871183	2876476	0	0	0	0	2	0	5293	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:70587904-70607311	exonic	TAF1	X	70587904	70607311	0	0	0	0	2	0	19407	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:70782697-70784603	exonic	OGT	X	70782697	70784603	0	0	0	0	2	0	1906	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrX:96136577-96369964	exonic	DIAPH2, RPA4	X	96136577	96369964	0	0	0	0	2	0	233387	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chrY:14821320-14834120	exonic	USP9Y	Y	14821320	14834120	0	0	0	0	2	0	12800	0.242054844	-1.673220759	4.032572473	-0.414926395	0.678195787	0.998252924
chr4:39077584-39088347	exonic	KLHL5	4	39077584	39088347	1	1	2	2	11	2	10763	2.858162421	-1.673094118	1.602381441	-1.044129741	0.296425368	0.998252924
chr1:155316173-155317695	exonic	ASH1L	1	155316173	155317695	0	0	1	0	0	2	1522	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr1:60366636-60381772	exonic	CYP2J2	1	60366636	60381772	0	0	1	0	0	2	15136	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924

chr10:98303832-98319493	exonic	TM9SF3	10	98303832	98319493	0	0	1	0	0	2	15661	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr13:96375495-96377506	exonic	DNAJC3	13	96375495	96377506	0	0	1	0	0	2	2011	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr14:31613316-31641328	exonic	HECTD1	14	31613316	31641328	0	0	1	0	0	2	28012	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr14:51710573-51713938	exonic	TMX1	14	51710573	51713938	0	0	1	0	0	2	3365	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr18:18619432-18629841	exonic	ROCK1	18	18619432	18629841	0	0	1	0	0	2	10409	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr19:19260034-19261573	exonic	MEF2B, MEF2BNB-MEF2B	19	19260034	19261573	0	0	1	0	0	2	1539	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr2:153514402-153515870	exonic	PRPF40A	2	153514402	153515870	0	0	1	0	0	2	1468	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr2:170413696-170419860	exonic	FASTKD1	2	170413696	170419860	0	0	1	0	0	2	6164	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr2:238896604-238903451	exonic	UBE2F	2	238896604	238903451	0	0	1	0	0	2	6847	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr2:64199299-64211153	exonic	VPS54	2	64199299	64211153	0	0	1	0	0	2	11854	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr6:35825037-35840505	exonic	SRPK1	6	35825037	35840505	0	0	1	0	0	2	15468	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr7:77200394-77227218	exonic	PTPN12	7	77200394	77227218	6	0	2	0	10	5	26824	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chr8:26217684-26223922	exonic	PPP2R2A	8	26217684	26223922	0	0	1	0	0	2	6238	0.813706243	-1.67146697	3.34608555	-0.49952906	0.61740672	0.998252924
chrX:76937011-76940498	exonic	ATRX	X	76937011	76940498	2	0	0	1	4	1	3487	1.156613567	-1.666631879	2.494314104	-0.668172415	0.504023541	0.998252924
chrX:93780210-93784482	intergenic	<small>FAM133A (dist=812937), BRDTP1 (dist=1807603)</small>	X	93780210	93784482	12	0	4	17	18	12	4272	10.02132986	-1.664996059	1.070732779	-1.555006152	0.119944604	0.998252924
chr7:16415716-16445962	exonic	ISPD	7	16415716	16445962	0	1	1	0	0	4	30246	1.60441926	-1.657830192	2.500716017	-0.662942206	NA	NA
chr1:87188222-87190088	exonic	SH3GLB1	1	87188222	87190088	0	0	1	5	0	0	1866	0.728825951	-1.656822567	3.427402155	-0.483404775	NA	NA
chr3:32586367-32587457	exonic	DYNC1LI1	3	32586367	32587457	0	0	1	5	0	0	1090	0.728825951	-1.656822567	3.427402155	-0.483404775	NA	NA
chr4:120473704-120528452	exonic	PDE5A	4	120473704	120528452	0	0	1	5	0	0	54748	0.728825951	-1.656822567	3.427402155	-0.483404775	NA	NA
chr4:129873923-129920949	exonic	SCLT1	4	129873923	129920949	0	0	1	5	0	0	47026	0.728825951	-1.656822567	3.427402155	-0.483404775	NA	NA
chr8:16935291-16948093	exonic	MICU3	8	16935291	16948093	0	0	1	5	0	0	12802	0.728825951	-1.656822567	3.427402155	-0.483404775	NA	NA
chr3:174241203-174271547	intergenic	<small>NLGN1 (dist=240064), NAALADL2 (dist=305564)</small>	3	174241203	174271547	2	0	0	0	7	0	30344	1.105165838	-1.655441812	2.959497332	-0.559365874	NA	NA
chr8:17125766-17143936	exonic	VPS37A	8	17125766	17143936	2	0	0	0	7	0	18170	1.105165838	-1.655441812	2.959497332	-0.559365874	NA	NA
chr14:36121010-36194359	exonic	RALGAPA1	14	36121010	36194359	0	1	0	3	0	0	73349	0.705832725	-1.655326116	3.467605765	-0.477368602	NA	NA
chr14:50266192-50272851	exonic	NEMF	14	50266192	50272851	0	1	0	5	0	0	6659	0.705832725	-1.655326116	3.467605765	-0.477368602	NA	NA
chr17:526772-530556	exonic	VPS53	17	526772	530556	0	1	0	5	0	0	3784	0.705832725	-1.655326116	3.467605765	-0.477368602	NA	NA
chr18:8244055-8253412	exonic	PTPRM	18	8244055	8253412	0	1	0	5	0	0	9357	0.705832725	-1.655326116	3.467605765	-0.477368602	NA	NA
chr21:44514580-44515853	exonic	U2AF1	21	44514580	44515853	0	1	0	5	0	0	1273	0.705832725	-1.655326116	3.467605765	-0.477368602	NA	NA
chr3:13542212-13544480	exonic	HDAC11	3	13542212	13544480	0	1	0	5	0	0	2268	0.705832725	-1.655326116	3.467605765	-0.477368602	NA	NA
chr2:200245086-200298237	exonic	SATB2	2	200245086	200298237	4	0	0	2	12	0	53151	2.180899603	-1.653622273	2.123866345	-0.778590553	NA	NA
chr1:39913103-39914435	exonic	MACF1	1	39913103	39914435	1	0	0	5	0	0	1332	0.660543869	-1.652344363	3.551958019	-0.465192537	NA	NA
chr10:7679190-7697638	exonic	ITIH5	10	7679190	7697638	1	0	0	5	0	0	18448	0.660543869	-1.652344363	3.551958019	-0.465192537	NA	NA
chr8:17820609-17824679	exonic	PCM1	8	17820609	17824679	1	0	0	5	0	0	4070	0.660543869	-1.652344363	3.551958019	-0.465192537	NA	NA
chr9:5944870-5969436	exonic	KIAA2026	9	5944870	5969436	1	0	0	5	0	0	24566	0.660543869	-1.652344363	3.551958019	-0.465192537	NA	NA
chrX:55755726-55758019	exonic	RRAGB	X	55755726	55758019	1	0	0	5	0	0	2293	0.660543869	-1.652344363	3.551958019	-0.465192537	NA	NA

chr18:42281139-42281797	exonic	SETBP1	18	42281139	42281797	0	0	4	14	4	1	658	3.06976379	-1.639805959	1.767730264	-0.927633583	NA	NA
chr6:151669845-151674887	exonic	AKAP12	6	151669845	151674887	3	0	1	7	2	3	5042	2.49512022	-1.632456297	1.731650245	-0.9427171	0.345825624	0.998252924
chr19:58772217-58775042	exonic	ZNF544	19	58772217	58775042	0	3	0	2	11	0	2825	2.066751807	-1.630372209	2.174579432	-0.749741392	NA	NA
chr1:89206670-89251896	exonic	PKN2	1	89206670	89251896	1	0	1	9	0	0	45226	1.283058435	-1.625811734	2.61809885	-0.620989438	NA	NA
chr1:51860052-51887530	exonic	EPS15	1	51860052	51887530	2	0	0	3	2	1	27478	1.127181493	-1.620144572	2.482956883	-0.652506124	0.514074723	0.998252924
chr6:139228631-139237113	exonic	REPS1	6	139228631	139237113	2	0	0	0	0	1	8482	1.127181493	-1.620144572	2.482956883	-0.652506124	0.514074723	0.998252924
chr1:1572443-1635585	exonic	CDK11A, CDK11B, SLC35E2B	1	1572443	1635585	2	0	0	0	0	3	63142	1.182629712	-1.618713512	2.939287699	-0.550716254	NA	NA
chr12:1399017-1481143	exonic	ERC1	12	1399017	1481143	2	0	0	0	0	3	82126	1.182629712	-1.618713512	2.939287699	-0.550716254	NA	NA
chr17:61368700-61370014	intronic	TANC2	17	61368700	61370014	2	0	0	0	0	3	1314	1.182629712	-1.618713512	2.939287699	-0.550716254	NA	NA
chr17:64059080-64066119	exonic	CEP112	17	64059080	64066119	2	0	0	0	0	3	7039	1.182629712	-1.618713512	2.939287699	-0.550716254	NA	NA
chr2:24090704-24108699	exonic	ATAD2B	2	24090704	24108699	2	0	0	0	0	3	17995	1.182629712	-1.618713512	2.939287699	-0.550716254	NA	NA
chr7:32852369-32860353	intergenic	LINC00997 (dist=49833), DPY19L1P2 (dist=5561)	7	32852369	32860353	2	0	0	0	0	3	7984	1.182629712	-1.618713512	2.939287699	-0.550716254	NA	NA
chr19:21216261-21216990	exonic	ZNF430	19	21216261	21216990	4	0	0	15	0	0	729	2.110618548	-1.617987314	3.842087011	-0.421121986	NA	NA
chr8:99538969-99608397	exonic	STK3	8	99538969	99608397	1	1	0	6	0	1	69428	1.249349662	-1.617024914	2.455736941	-0.658468294	0.510237264	0.998252924
chr1:213037066-213058738	exonic	FLVCR1	1	213037066	213058738	0	0	0	1	1	0	21672	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:231902885-231906816	exonic	DISC1	1	231902885	231906816	0	0	0	1	1	0	3931	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:245020899-245022676	exonic	HNRNPU	1	245020899	245022676	0	0	0	1	1	0	1777	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:24857707-24859744	exonic	RCAN3	1	24857707	24859744	0	0	0	1	1	0	2037	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:46079767-46082065	exonic	NASP	1	46079767	46082065	0	0	0	1	1	0	2298	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:63294710-63307218	exonic	ATG4C	1	63294710	63307218	0	0	0	1	1	0	12508	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:70736538-70771973	exonic	ANKRD13C	1	70736538	70771973	0	0	0	1	1	0	35435	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:8616533-8674745	exonic	RERE	1	8616533	8674745	0	0	0	1	1	0	58212	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr1:93672663-93672955	exonic	CCDC18	1	93672663	93672955	0	0	0	1	1	0	292	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:104120778-104123555	exonic	GBF1	10	104120778	104123555	0	0	0	1	1	0	2777	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:120467003-120489922	exonic	CACUL1	10	120467003	120489922	0	0	0	1	1	0	22919	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:127500782-127505094	exonic	UROS	10	127500782	127505094	0	0	0	1	1	0	4312	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:24813251-24817048	exonic	KIAA1217	10	24813251	24817048	0	0	0	1	1	0	3797	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:26789747-26802589	exonic	APBB1IP	10	26789747	26802589	0	0	0	1	1	0	12842	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:26849033-26851358	exonic	APBB1IP	10	26849033	26851358	0	0	0	1	1	0	2325	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:47232155-47235609	ncRNA_exonic	BMS1P6	10	47232155	47235609	0	0	0	1	1	0	3454	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr10:48194832-48197195	ncRNA_exonic	BMS1P6	10	48194832	48197195	0	0	0	1	1	0	2363	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr11:14852243-14882912	exonic	PDE3B	11	14852243	14882912	0	0	0	1	1	0	30669	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr11:16068059-16077447	exonic	SOX6	11	16068059	16077447	0	0	0	1	1	0	9388	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr11:18316566-18319264	exonic	HPS5	11	18316566	18319264	0	0	0	1	1	0	2698	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr11:66947549-66999431	exonic	KDM2A	11	66947549	66999431	0	0	0	1	1	0	51882	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924

chr11:77815025-77820627	exonic	ALG8	11	77815025	77820627	0	0	0	1	1	0	5602	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr12:1003727-1006847	exonic	WNK1	12	1003727	1006847	0	0	0	1	1	0	3120	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr12:105504902-105521067	exonic	KIAA1033	12	105504902	105521067	0	0	0	1	1	0	16165	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr12:132237667-132241189	exonic	SFSWAP	12	132237667	132241189	0	0	0	1	1	0	3522	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr12:94562928-94603480	exonic	PLXNC1	12	94562928	94603480	0	0	0	1	1	0	40552	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr13:42245081-42277547	exonic	VWA8	13	42245081	42277547	0	0	0	1	1	0	32466	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr13:73395986-73428293	exonic	PIBF1	13	73395986	73428293	0	0	0	1	1	0	32307	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr13:77825285-77838137	exonic	MYCBP2	13	77825285	77838137	0	0	0	1	1	0	12852	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr14:24679553-24681035	exonic	CHMP4A	14	24679553	24681035	0	0	0	1	1	0	1482	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr14:37716307-37838829	exonic	MIPOL1	14	37716307	37838829	0	0	0	1	1	0	122522	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr14:39782543-39796226	exonic	CTAGE5	14	39782543	39796226	0	0	0	1	1	0	13683	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr14:50301080-50307584	exonic	NEMF	14	50301080	50307584	0	0	0	1	1	0	6504	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr14:57740961-57741607	exonic	AP5M1	14	57740961	57741607	0	0	0	1	1	0	646	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:40863802-40864099	exonic	RPUSD2	15	40863802	40864099	0	0	0	1	1	0	297	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:41535864-41555081	exonic	CHP1	15	41535864	41555081	0	0	0	1	1	0	19217	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:50866470-50867986	exonic	TRPM7	15	50866470	50867986	0	0	0	1	1	0	1516	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:59323002-59350749	exonic	RNF111	15	59323002	59350749	0	0	0	1	1	0	27747	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:60745801-60758912	exonic	ICE2	15	60745801	60758912	0	0	0	1	1	0	13111	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:68434283-68446033	exonic	PIAS1	15	68434283	68446033	0	0	0	1	1	0	11750	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:78305164-78310299	exonic	TBC1D2B	15	78305164	78310299	0	0	0	1	1	0	5135	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr15:85641178-85658718	exonic	PDE8A	15	85641178	85658718	0	0	0	1	1	0	17540	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr16:23494243-23505699	exonic	GGA2	16	23494243	23505699	0	0	0	1	1	0	11456	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr16:4701963-4707364	exonic	MGRN1	16	4701963	4707364	0	0	0	1	1	0	5401	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr16:68191771-68225678	exonic	NFATC3	16	68191771	68225678	0	0	0	1	1	0	33907	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:15974722-15976883	exonic	NCOR1	17	15974722	15976883	0	0	0	1	1	0	2161	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:20149238-20163607	exonic	SPECC1	17	20149238	20163607	0	0	0	1	1	0	14369	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:27809214-27818883	exonic	TAOK1	17	27809214	27818883	0	0	0	1	1	0	9669	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:35931889-35945538	exonic	SYNRG	17	35931889	35945538	0	0	0	1	1	0	13649	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:4109615-4139185	exonic	ANKFY1	17	4109615	4139185	0	0	0	1	1	0	29570	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:49071124-49072894	exonic	SPAG9	17	49071124	49072894	0	0	0	1	1	0	1770	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:61833599-61843554	exonic	CCDC47	17	61833599	61843554	0	0	0	1	1	0	9955	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:6510192-6515468	exonic	KIAA0753	17	6510192	6515468	0	0	0	1	1	0	5276	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:65156376-65175042	exonic	HELZ	17	65156376	65175042	0	0	0	1	1	0	18666	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr17:78313000-78314156	exonic	RNF213	17	78313000	78314156	0	0	0	1	1	0	1156	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr18:12356692-12358942	exonic	AFG3L2	18	12356692	12358942	0	0	0	1	1	0	2250	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924

chr18:33722243-33744630	exonic	ELP2	18	33722243	33744630	0	0	0	1	1	0	22387	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr18:59888269-59899660	exonic	KIAA1468	18	59888269	59899660	0	0	0	1	1	0	11391	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr18:6213147-6244587	exonic	L3MBTL4	18	6213147	6244587	0	0	0	1	1	0	31440	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr19:41231244-41235320	exonic	ITPKC	19	41231244	41235320	0	0	0	1	1	0	4076	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:107051092-107051658	exonic	RGPD3	2	107051092	107051658	0	0	0	1	1	0	566	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:109369453-109370019	exonic	RANBP2	2	109369453	109370019	0	0	0	1	1	0	566	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:11375827-11376088	exonic	ROCK2	2	11375827	11376088	0	0	0	1	1	0	261	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:131829427-131840230	exonic	FAM168B	2	131829427	131840230	0	0	0	1	1	0	10803	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:135878388-135893502	exonic	RAB3GAP1	2	135878388	135893502	0	0	0	1	1	0	15114	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:158617391-158630699	exonic	ACVR1	2	158617391	158630699	0	0	0	1	1	0	13308	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:168994597-169023917	exonic	STK39	2	168994597	169023917	0	0	0	1	1	0	29320	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:175337692-175346715	exonic	GPR155	2	175337692	175346715	0	0	0	1	1	0	9023	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:180309602-180311497	exonic	ZNF385B	2	180309602	180311497	0	0	0	1	1	0	1895	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:196912075-196915973	exonic	DNAH7	2	196912075	196915973	0	0	0	1	1	0	3898	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:213886716-213921823	exonic	IKZF2	2	213886716	213921823	0	0	0	1	1	0	35107	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:234070369-234073070	exonic	INPP5D	2	234070369	234073070	0	0	0	1	1	0	2701	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:32323864-32352091	exonic	SPAST	2	32323864	32352091	0	0	0	1	1	0	28227	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:36691676-36706837	exonic	CRIM1	2	36691676	36706837	0	0	0	1	1	0	15161	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:37246951-37247979	exonic	HEATR5B	2	37246951	37247979	0	0	0	1	1	0	1028	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:48701821-48718309	exonic	PPP1R21	2	48701821	48718309	0	0	0	1	1	0	16488	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr20:5560653-5574057	exonic	GPCPD1	20	5560653	5574057	0	0	0	1	1	0	13404	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr21:45457672-45475774	exonic	TRAPPC10	21	45457672	45475774	0	0	0	1	1	0	18102	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr22:18165979-18185152	exonic	BCL2L13	22	18165979	18185152	0	0	0	1	1	0	19173	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr22:24056373-24057381	ncRNA_exonic	GUSBP11	22	24056373	24057381	0	0	0	1	1	0	1008	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr22:29533329-29538088	exonic	KREMEN1	22	29533329	29538088	0	0	0	1	1	0	4759	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr22:46739158-46742441	exonic	TRMU	22	46739158	46742441	0	0	0	1	1	0	3283	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:132153381-132166783	exonic	DNAJC13	3	132153381	132166783	0	0	0	1	1	0	13402	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:152132729-152165562	exonic	MBNL1	3	152132729	152165562	0	0	0	1	1	0	32833	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:155611306-155624052	exonic	GMPS	3	155611306	155624052	0	0	0	1	1	0	12746	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:20017092-20019895	exonic	RAB5A	3	20017092	20019895	0	0	0	1	1	0	2803	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:27478878-27490288	exonic	SLC4A7	3	27478878	27490288	0	0	0	1	1	0	11410	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:33648082-33673863	exonic	CLASP2	3	33648082	33673863	0	0	0	1	1	0	25781	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:50102463-50106197	exonic	RBM6	3	50102463	50106197	0	0	0	1	1	0	3734	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:89456418-89499520	exonic	EPHA3	3	89456418	89499520	0	0	0	1	1	0	43102	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr3:93714717-93762084	exonic	ARL13B, STX19	3	93714717	93762084	0	0	0	1	1	0	47367	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924

chr4:152069073-152070713	exonic	SH3D19	4	152069073	152070713	0	0	0	1	1	0	1640	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr4:153791904-153809459	exonic	ARFIP1	4	153791904	153809459	0	0	0	1	1	0	17555	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr4:166149958-166160051	exonic	KLHL2	4	166149958	166160051	0	0	0	1	1	0	10093	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr4:42445581-42509171	exonic	ATP8A1	4	42445581	42509171	0	0	0	1	1	0	63590	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr4:54373483-54374394	exonic	LNX1	4	54373483	54374394	0	0	0	1	1	0	911	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr4:7008358-7016284	exonic	TBC1D14	4	7008358	7016284	0	0	0	1	1	0	7926	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr4:71628235-71634378	exonic	RUFY3	4	71628235	71634378	0	0	0	1	1	0	6143	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr5:111540071-111545679	exonic	EPB41L4A	5	111540071	111545679	0	0	0	1	1	0	5608	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr5:130766551-130778230	exonic	RAPGEF6	5	130766551	130778230	0	0	0	1	1	0	11679	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr5:131915008-131925529	exonic	RAD50	5	131915008	131925529	0	0	0	1	1	0	10521	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr5:147928230-147929825	exonic	HTR4	5	147928230	147929825	0	0	0	1	1	0	1595	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr5:179743340-179744058	exonic	GFPT2	5	179743340	179744058	0	0	0	1	1	0	718	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr5:38971978-38982138	exonic	RICTOR	5	38971978	38982138	0	0	0	1	1	0	10160	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:101163337-101253756	exonic	ASCC3	6	101163337	101253756	0	0	0	1	1	0	90419	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:130374003-130378642	exonic	L3MBTL3	6	130374003	130378642	0	0	0	1	1	0	4639	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:136958462-137019820	exonic	MAP3K5	6	136958462	137019820	0	0	0	1	1	0	61358	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:144835044-144844324	exonic	UTRN	6	144835044	144844324	0	0	0	1	1	0	9280	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:151198769-151206870	exonic	MTHFD1L	6	151198769	151206870	0	0	0	1	1	0	8101	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:17834191-17855848	exonic	KIF13A	6	17834191	17855848	0	0	0	1	1	0	21657	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:7884591-7889081	exonic	TXNDC5	6	7884591	7889081	0	0	0	1	1	0	4490	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr6:90564535-90566918	exonic	CASP8AP2	6	90564535	90566918	0	0	0	1	1	0	2383	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:129825031-129832663	exonic	TMEM209	7	129825031	129832663	0	0	0	1	1	0	7632	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:143573081-143573715	exonic	TCAF1	7	143573081	143573715	0	0	0	1	1	0	634	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:152480271-152498816	exonic	ACTR3B	7	152480271	152498816	0	0	0	1	1	0	18545	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:155465560-155493638	exonic	RBM33	7	155465560	155493638	0	0	0	1	1	0	28078	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:157009560-157018233	exonic	UBE3C	7	157009560	157018233	0	0	0	1	1	0	8673	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:21516696-21521741	exonic	SP4	7	21516696	21521741	0	0	0	1	1	0	5045	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:66489886-66520874	exonic	TYW1	7	66489886	66520874	0	0	0	1	1	0	30988	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr7:76109737-76121570	exonic	DTX2	7	76109737	76121570	0	0	0	1	1	0	11833	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr8:120795620-120803699	exonic	TAF2	8	120795620	120803699	0	0	0	1	1	0	8079	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr8:42166418-42175289	exonic	IKBKB	8	42166418	42175289	0	0	0	1	1	0	8871	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr8:42821615-42823357	exonic	HOOK3	8	42821615	42823357	0	0	0	1	1	0	1742	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr8:48839753-48842572	exonic	PRKDC	8	48839753	48842572	0	0	0	1	1	0	2819	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr9:102722198-102722437	exonic	STX17	9	102722198	102722437	0	0	0	1	1	0	239	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr9:125639749-125659855	exonic	RC3H2	9	125639749	125659855	0	0	0	1	1	0	20106	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924

chr9:126392654-126554909	exonic	DENND1A	9	126392654	126554909	0	0	0	1	1	0	162255	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr9:132662243-132671278	exonic	FNBP1	9	132662243	132671278	0	0	0	1	1	0	9035	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr9:97535283-97563284	exonic	C9orf3	9	97535283	97563284	0	0	0	1	1	0	28001	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chrX:110385323-110406955	exonic	PAK3	X	110385323	110406955	0	0	0	1	1	0	21632	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chrX:20181081-20185865	exonic	RPS6KA3	X	20181081	20185865	0	0	0	1	1	0	4784	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chrX:30877603-30889918	exonic	TAB3	X	30877603	30889918	0	0	0	1	1	0	12315	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chrY:21901413-21903743	exonic	KDM5D	Y	21901413	21903743	0	0	0	1	1	0	2330	0.227338807	-1.613310929	4.035567574	-0.399772993	0.689323724	0.998252924
chr2:136505836-136528305	exonic	UBXN4	2	136505836	136528305	0	1	2	0	2	5	22469	2.351961738	-1.605492095	2.018368602	-0.795440482	NA	NA
chr13:45084451-45084838	intronic	TSC22D1	13	45084451	45084838	0	0	2	0	0	4	387	1.627412486	-1.602887714	2.653278517	-0.604115891	NA	NA
chr4:39734979-39747430	exonic	UBE2K	4	39734979	39747430	0	0	2	0	0	4	12451	1.627412486	-1.602887714	2.653278517	-0.604115891	NA	NA
chr11:65268334-65268664	ncRNA_exonic	MALAT1	11	65268334	65268664	0	0	4	0	2	7	330	3.188661207	-1.597736337	3.030222091	-0.527267075	NA	NA
chr8:95549330-95550574	exonic	KIAA1429	8	95549330	95550574	0	2	1	0	6	3	1244	2.196640981	-1.590986319	2.009985237	-0.791541296	NA	NA
chr2:15691616-15698758	exonic	NBAS	2	15691616	15698758	0	2	0	2	2	2	7142	1.41966643	-1.589004954	2.299015508	-0.691167566	0.489460244	0.998252924
chr11:14793482-14840755	exonic	PDE3B	11	14793482	14840755	1	0	0	0	2	1	47273	0.679260395	-1.586827415	3.252245979	-0.487917404	0.625608347	0.998252924
chr2:230840956-230861639	exonic	FBXO36	2	230840956	230861639	1	0	0	0	2	1	20683	0.679260395	-1.586827415	3.252245979	-0.487917404	0.625608347	0.998252924
chr4:143324090-143383879	exonic	INPP4B	4	143324090	143383879	1	0	0	0	2	1	59789	0.679260395	-1.586827415	3.252245979	-0.487917404	0.625608347	0.998252924
chr7:158662545-158672680	exonic	WDR60	7	158662545	158672680	1	0	0	0	2	1	10135	0.679260395	-1.586827415	3.252245979	-0.487917404	0.625608347	0.998252924
chr18:9931806-99505665	exonic	VAPA	18	9931806	99505665	2	0	0	3	4	0	18759	1.061017728	-1.585606279	2.705332874	-0.586103948	0.557805663	0.998252924
chr6:69723929-69785930	exonic	ADGRB3	6	69723929	69785930	2	0	0	3	4	0	62001	1.061017728	-1.585606279	2.705332874	-0.586103948	0.557805663	0.998252924
chr9:79954431-79981788	exonic	VPS13A	9	79954431	79981788	2	0	0	3	4	0	27357	1.061017728	-1.585606279	2.705332874	-0.586103948	0.557805663	0.998252924
chr1:42730785-42744343	exonic	FOXJ3	1	42730785	42744343	0	4	0	5	3	4	13558	2.824616823	-1.584814562	1.780931788	-0.889879429	NA	NA
chr2:39278284-39294894	exonic	SOS1	2	39278284	39294894	0	1	0	0	2	1	16610	0.724549251	-1.584243521	3.181430294	-0.497965812	0.618508139	0.998252924
chr1:150997086-150999803	exonic	PRUNE	1	150997086	150999803	0	0	1	0	2	1	2717	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr11:107673726-107686691	exonic	SLC35F2	11	107673726	107686691	0	0	1	0	2	1	12965	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr12:66597490-66605377	exonic	IRAK3	12	66597490	66605377	0	0	1	0	2	1	7887	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr3:167413383-167443261	exonic	PDCD10	3	167413383	167443261	0	0	1	0	2	1	29878	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr3:27424643-27465643	exonic	SLC4A7	3	27424643	27465643	0	0	1	0	2	1	41000	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr6:149944238-149959696	exonic	KATNA1	6	149944238	149959696	0	0	1	0	2	1	15458	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr8:124089350-124132428	exonic	TBC1D31	8	124089350	124132428	0	0	1	0	2	1	43078	0.747542478	-1.58298475	3.148729582	-0.502737599	0.615148771	0.998252924
chr10:112645010-112650428	exonic	PDCD4	10	112645010	112650428	1	0	1	3	5	0	5418	1.250327233	-1.580347527	2.392815398	-0.660455265	0.508961717	0.998252924
chr1:115005725-115007010	exonic	TRIM33	1	115005725	115007010	5	2	0	7	5	6	1285	4.19211477	-1.57936943	1.409424249	-1.120577733	0.262467647	0.998252924
chr2:228550817-228551161	UTR3	<small>SLC19A3(NM_025243:c.*1296_*952delins0)</small>	2	228550817	228551161	3	0	0	11	0	0	344	1.556386065	-1.574598312	2.609562891	-0.603395426	NA	NA
chr4:140058784-140060651	exonic	ELF2	4	140058784	140060651	0	0	2	0	9	0	1867	1.483784847	-1.57171582	2.682163131	-0.585988153	NA	NA
chr7:151927007-151935911	exonic	KMT2C	7	151927007	151935911	0	2	0	3	1	2	8904	1.404950393	-1.569543111	2.324871377	-0.675109654	0.499606101	0.998252924
chr9:110062421-110087285	exonic	RAD23B	9	110062421	110087285	3	1	0	0	0	6	24864	2.41054828	-1.568388712	2.174197511	-0.721364413	NA	NA

chr6:168271062-168290006	exonic	MLLT4	6	168271062	168290006	3	1	4	18	2	6	18944	5.355284158	-1.566374757	1.285500226	-1.218494346	NA	NA
chr13:52992126-53001354	exonic	VPS36	13	52992126	53001354	3	1	0	4	8	1	9228	2.262920151	-1.563510506	1.78483336	-0.875998029	0.381031105	0.998252924
chr20:32619328-32621124	UTR5	<small>3843706.504252...-48252...-494716112665.98.802367...-48252...-494716112665</small>	20	32619328	32621124	2	0	0	4	3	0	1796	1.046301692	-1.562169339	2.716665659	-0.575031872	0.565269742	0.998252924
chr6:99979239-99979666	exonic	TSTD3	6	99979239	99979666	2	0	0	4	3	0	427	1.046301692	-1.562169339	2.716665659	-0.575031872	0.565269742	0.998252924
chr2:171872511-171872761	intronic	TLK1	2	171872511	171872761	0	2	0	4	0	2	250	1.390234356	-1.553875372	2.509701082	-0.619147588	0.535819136	0.998252924
chr10:22002700-22016857	exonic	MLLT10	10	22002700	22016857	0	3	0	0	3	4	14157	2.118784098	-1.551201469	2.19171232	-0.707757791	0.479095682	0.998252924
chr9:33986757-33998862	exonic	UBAP2	9	33986757	33998862	2	1	0	7	2	1	12105	1.726702833	-1.551159352	1.984836367	-0.781504902	0.434505595	0.998252924
chr1:100602437-100606070	exonic	TRMT13	1	100602437	100606070	0	0	0	2	0	0	3633	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:100889777-100921048	exonic	CDC14A	1	100889777	100921048	0	0	0	2	0	0	31271	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:109553537-109554340	exonic	WDR47	1	109553537	109554340	0	0	0	2	0	0	803	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:113140592-113153625	exonic	ST7L	1	113140592	113153625	0	0	0	2	0	0	13033	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:113194651-113203003	exonic	CAPZA1	1	113194651	113203003	0	0	0	2	0	0	8352	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:114128008-114165616	exonic	MAGI3	1	114128008	114165616	0	0	0	2	0	0	37608	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:114248511-114249344	exonic	PHTF1	1	114248511	114249344	0	0	0	2	0	0	833	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:115042712-115043070	intronic	TRIM33	1	115042712	115043070	0	0	0	2	0	0	358	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:115252189-115256599	exonic	NRAS	1	115252189	115256599	0	0	0	2	0	0	4410	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:116202261-116228148	exonic	VANGL1	1	116202261	116228148	0	0	0	2	0	0	25887	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:117984852-118009049	exonic	MAN1A2	1	117984852	118009049	0	0	0	2	0	0	24197	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:12009829-12010577	exonic	PLOD1	1	12009829	12010577	0	0	0	2	0	0	748	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:12629169-12632305	intronic	DHRS3	1	12629169	12632305	0	0	0	2	0	0	3136	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:145594038-145601852	exonic	POLR3C	1	145594038	145601852	0	0	0	2	0	0	7814	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:146757974-146759412	exonic	CHD1L	1	146757974	146759412	0	0	0	2	0	0	1438	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:150599032-150599942	exonic	ENSA	1	150599032	150599942	0	0	0	2	0	0	910	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:150938638-150941567	exonic	CERS2	1	150938638	150941567	0	0	0	2	0	0	2929	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:151114979-151116910	exonic	SEMA6C	1	151114979	151116910	0	0	0	2	0	0	1931	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:151199795-151205179	exonic	PIP5K1A	1	151199795	151205179	0	0	0	2	0	0	5384	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:151340674-151342245	exonic	SELENBP1	1	151340674	151342245	0	0	0	2	0	0	1571	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:151860749-151861849	exonic	THEM4	1	151860749	151861849	0	0	0	2	0	0	1100	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:153789847-153790647	exonic	GATAD2B	1	153789847	153790647	0	0	0	2	0	0	800	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:154207066-154215778	exonic	UBAP2L	1	154207066	154215778	0	0	0	2	0	0	8712	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:155737216-155743001	exonic	GON4L	1	155737216	155743001	0	0	0	2	0	0	5785	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:155740857-155747611	exonic	GON4L	1	155740857	155747611	0	0	0	2	0	0	6754	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:15844604-15844890	exonic	CASP9	1	15844604	15844890	0	0	0	2	0	0	286	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:162762448-162775282	exonic	HSD17B7	1	162762448	162775282	0	0	0	2	0	0	12834	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:16621277-16641930	exonic	FBXO42	1	16621277	16641930	0	0	0	2	0	0	20653	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr1:16658467-16659145	intronic	FBX042	1	16658467	16659145	0	0	0	2	0	0	678	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:167301707-167307495	exonic	POU2F1	1	167301707	167307495	0	0	0	2	0	0	5788	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:168012262-168014465	exonic	DCAF6	1	168012262	168014465	0	0	0	2	0	0	2203	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:1770629-1779968	UTR5	<small>UC001LW00010001...UC001LW00010001...UC001LW00010001...UC001LW00010001...UC001LW00010001</small>	1	1770629	1779968	0	0	0	2	0	0	9339	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:177936818-177991803	exonic	SEC16B	1	177936818	177991803	0	0	0	2	0	0	54985	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:180945254-180962561	exonic	STX6	1	180945254	180962561	0	0	0	2	0	0	17307	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:183085711-183087281	exonic	LAMC1	1	183085711	183087281	0	0	0	2	0	0	1570	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:183614908-183711424	exonic	APOBEC4, RGL1	1	183614908	183711424	0	0	0	2	0	0	96516	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:185151077-185159774	exonic	SWT1	1	185151077	185159774	0	0	0	2	0	0	8697	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:186022083-186031732	exonic	HMCN1	1	186022083	186031732	0	0	0	2	0	0	9649	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:186022956-186031732	exonic	HMCN1	1	186022956	186031732	0	0	0	2	0	0	8776	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:186287578-186287960	exonic	TPR	1	186287578	186287960	0	0	0	2	0	0	382	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:186331968-186340175	exonic	TPR	1	186331968	186340175	0	0	0	2	0	0	8207	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:190203501-190250880	exonic	BRINP3	1	190203501	190250880	0	0	0	2	0	0	47379	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:201786216-201786413	exonic	NAV1	1	201786216	201786413	0	0	0	2	0	0	197	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:201823722-201828122	exonic	IPO9	1	201823722	201828122	0	0	0	2	0	0	4400	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:201965274-201966682	exonic	RNPEP	1	201965274	201966682	0	0	0	2	0	0	1408	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:2029786-2082417	exonic	PRKCZ	1	2029786	2082417	0	0	0	2	0	0	52631	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:203786053-203800899	exonic	ZC3H11A	1	203786053	203800899	0	0	0	2	0	0	14846	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:204082042-204091113	exonic	SOX13	1	204082042	204091113	0	0	0	2	0	0	9071	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:207532891-207536124	exonic	CD55	1	207532891	207536124	0	0	0	2	0	0	3233	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:208266130-208270228	exonic	PLXNA2	1	208266130	208270228	0	0	0	2	0	0	4098	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:21072035-21100103	exonic	HP1BP3	1	21072035	21100103	0	0	0	2	0	0	28068	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:21074036-21103243	exonic	HP1BP3	1	21074036	21103243	0	0	0	2	0	0	29207	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:212216334-212220759	exonic	DTL	1	212216334	212220759	0	0	0	2	0	0	4425	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:212977662-212981190	exonic	TATDN3	1	212977662	212981190	0	0	0	2	0	0	3528	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:213244347-213277911	exonic	RPS6KC1	1	213244347	213277911	0	0	0	2	0	0	33564	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:224585798-224599267	exonic	WDR26	1	224585798	224599267	0	0	0	2	0	0	13469	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:230384930-230391090	exonic	GALNT2	1	230384930	230391090	0	0	0	2	0	0	6160	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:235963619-235964397	exonic	LYST	1	235963619	235964397	0	0	0	2	0	0	778	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:236187369-236201553	exonic	NID1	1	236187369	236201553	0	0	0	2	0	0	14184	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:236969443-236998987	exonic	MTR	1	236969443	236998987	0	0	0	2	0	0	29544	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:23885618-23885855	exonic	ID3	1	23885618	23885855	0	0	0	2	0	0	237	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:243493841-243589860	exonic	SDCCAG8	1	243493841	243589860	0	0	0	2	0	0	96019	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:244574588-244581054	exonic	ADSS	1	244574588	244581054	0	0	0	2	0	0	6466	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr1:24781459-24782763	exonic	NIPAL3	1	24781459	24782763	0	0	0	2	0	0	1304	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:249111975-249116971	intronic	SH3BP5L	1	249111975	249116971	0	0	0	2	0	0	4996	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:26299048-26301141	exonic	PFAFAH2	1	26299048	26301141	0	0	0	2	0	0	2093	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:28059642-28060140	intronic	FAM76A	1	28059642	28060140	0	0	0	2	0	0	498	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:28323830-28330930	exonic	EYA3	1	28323830	28330930	0	0	0	2	0	0	7100	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:29313959-29344954	exonic	EPB41	1	29313959	29344954	0	0	0	2	0	0	30995	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:29319841-29323831	exonic	EPB41	1	29319841	29323831	0	0	0	2	0	0	3990	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:33276191-33276658	exonic	YARS	1	33276191	33276658	0	0	0	2	0	0	467	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:33747187-33760906	exonic	ZNF362	1	33747187	33760906	0	0	0	2	0	0	13719	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:35870623-35871069	exonic	ZMYM4	1	35870623	35871069	0	0	0	2	0	0	446	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:36282482-36292436	exonic	AGO4	1	36282482	36292436	0	0	0	2	0	0	9954	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:36475075-36499934	exonic	AGO3	1	36475075	36499934	0	0	0	2	0	0	24859	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:36505390-36509149	exonic	AGO3	1	36505390	36509149	0	0	0	2	0	0	3759	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:36814300-36826941	exonic	STK40	1	36814300	36826941	0	0	0	2	0	0	12641	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:39815149-39838268	exonic	MACF1	1	39815149	39838268	0	0	0	3	0	0	23119	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:39916723-39926466	exonic	MACF1	1	39916723	39926466	0	0	0	2	0	0	9743	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:44567232-44571186	intergenic	SLC6A9 (dist=70068) , KLF17 (dist=13336)	1	44567232	44571186	0	0	0	2	0	0	3954	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:44778840-44804994	exonic	ERT3	1	44778840	44804994	0	0	0	2	0	0	26154	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:45923235-45923543	exonic	TESK2	1	45923235	45923543	0	0	0	2	0	0	308	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:4771959-4772759	exonic	AJAP1	1	4771959	4772759	0	0	0	2	0	0	800	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:53540277-53547860	exonic	PODN	1	53540277	53547860	0	0	0	2	0	0	7583	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:54348616-54348949	exonic	YIPF1	1	54348616	54348949	0	0	0	2	0	0	333	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:54675618-54682017	exonic	MRPL37	1	54675618	54682017	0	0	0	2	0	0	6399	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:55117621-55138859	exonic	MROH7	1	55117621	55138859	0	0	0	2	0	0	21238	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:63877596-63894797	exonic	ALG6	1	63877596	63894797	0	0	0	2	0	0	17201	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:64095096-64240179	exonic	PGM1, ROR1	1	64095096	64240179	0	0	0	2	0	0	145083	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:65129378-65130362	exonic	CACHD1	1	65129378	65130362	0	0	0	2	0	0	984	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:66713142-66731770	exonic	PDE4B	1	66713142	66731770	0	0	0	2	0	0	18628	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:78248922-78329713	exonic	FAM73A	1	78248922	78329713	0	0	0	2	0	0	80791	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:78324622-78332076	exonic	FAM73A	1	78324622	78332076	0	0	0	2	0	0	7454	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:82372701-82409453	exonic	ADGRL2	1	82372701	82409453	0	0	0	2	0	0	36752	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:85655739-85656435	exonic	SYDE2	1	85655739	85656435	0	0	0	2	0	0	696	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:89272995-89287686	exonic	PKN2	1	89272995	89287686	0	0	0	2	0	0	14691	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:91808986-91818856	exonic	HFM1	1	91808986	91818856	0	0	0	2	0	0	9870	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:92193215-92224307	exonic	TGFBR3	1	92193215	92224307	0	0	0	2	0	0	31092	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr1:93594834-93599752	exonic	MTF2	1	93594834	93599752	0	0	0	2	0	0	4918	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:94930330-94965170	exonic	ABCD3	1	94930330	94965170	0	0	0	2	0	0	34840	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:95367224-95369080	exonic	CNN3	1	95367224	95369080	0	0	0	2	0	0	1856	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr1:98015115-98060722	exonic	DPYD	1	98015115	98060722	0	0	0	2	0	0	45607	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:100189329-100191048	exonic	HPS1	10	100189329	100191048	0	0	0	2	0	0	1719	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:102683731-102690835	exonic	SLF2	10	102683731	102690835	0	0	0	2	0	0	7104	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:103557736-103567658	exonic	MGEA5	10	103557736	103567658	3	0	0	2	0	0	9922	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:103563491-103563776	exonic	MGEA5	10	103563491	103563776	0	0	0	2	0	0	285	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:103904006-103904847	exonic	PPRC1	10	103904006	103904847	0	0	0	2	0	0	841	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:1130342-1151207	exonic	WDR37	10	1130342	1151207	0	0	0	2	0	0	20865	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:11363169-11371060	exonic	CELF2	10	11363169	11371060	0	0	0	2	0	0	7891	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:119049696-119100613	exonic	PDZD8	10	119049696	119100613	0	0	0	2	0	0	50917	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:11994064-12056183	exonic	UPF2	10	11994064	12056183	0	0	0	2	0	0	62119	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:11997230-12006124	exonic	UPF2	10	11997230	12006124	0	0	0	2	0	0	8894	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:12291580-12292426	exonic	CDC123	10	12291580	12292426	0	0	0	2	0	0	846	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:123658215-123673408	exonic	ATE1	10	123658215	123673408	0	0	0	2	0	0	15193	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:12571821-12595355	exonic	CAMK1D	10	12571821	12595355	0	0	0	2	0	0	23534	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:13150961-13151288	exonic	OPTN	10	13150961	13151288	0	0	0	2	0	0	327	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:131964770-131967754	exonic	GLRX3	10	131964770	131967754	0	0	0	2	0	0	2984	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:13779843-13789819	exonic	FRMD4A	10	13779843	13789819	0	0	0	2	0	0	9976	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:15686028-15689050	exonic	ITGA8	10	15686028	15689050	0	0	0	2	0	0	3022	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:20290703-20466338	exonic	PLXDC2	10	20290703	20466338	0	0	0	2	0	0	175635	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:21906040-21959633	exonic	MLLT10	10	21906040	21959633	0	0	0	2	0	0	53593	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:27317780-27332496	exonic	ANKRD26	10	27317780	27332496	0	0	0	2	0	0	14716	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:33093942-33113532	exonic	CCDC7	10	33093942	33113532	0	0	0	2	0	0	19590	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:33208812-33224486	exonic	ITGB1	10	33208812	33224486	0	0	0	2	0	0	15674	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:33214798-33224486	exonic	ITGB1	10	33214798	33224486	0	0	0	2	0	0	9688	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:38138922-38142415	intronic	ZNF248	10	38138922	38142415	0	0	0	2	0	0	3493	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:46028558-46086022	exonic		10	46028558	46086022	0	0	0	2	0	0	57464	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:46158989-46159290	exonic	ZFAND4	10	46158989	46159290	0	0	0	2	0	0	301	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:4872867-4932115	exonic	AKR1E2	10	4872867	4932115	0	0	0	2	0	0	59248	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:4915406-4951798	ncRNA_exonic	AKRIC6P	10	4915406	4951798	0	0	0	2	0	0	36392	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:53564344-53822391	exonic	PRKG1	10	53564344	53822391	0	0	0	2	0	0	258047	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:6001716-6002530	exonic	IL15RA	10	6001716	6002530	0	0	0	2	0	0	814	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:6008858-6009277	intronic	IL15RA	10	6008858	6009277	0	0	0	2	0	0	419	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

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chr10:63958042-63959620	exonic	RTKN2	10	63958042	63959620	0	0	0	2	0	0	1578	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:63958042-63978060	exonic	RTKN2	10	63958042	63978060	0	0	0	2	0	0	20018	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:63958042-63983091	exonic	RTKN2	10	63958042	63983091	0	0	0	2	0	0	25049	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:69692353-69785433	exonic	HERC4	10	69692353	69785433	0	0	0	2	0	0	93080	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:69695909-69785433	exonic	HERC4	10	69695909	69785433	0	0	0	2	0	0	89524	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:69714351-69797926	exonic	HERC4	10	69714351	69797926	3	0	0	1	0	0	83575	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:69748419-69804320	exonic	HERC4	10	69748419	69804320	0	0	0	2	0	0	55901	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:70411602-70442730	exonic	TET1	10	70411602	70442730	0	0	0	2	0	0	31128	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:72617370-72629654	exonic	SGPL1	10	72617370	72629654	0	0	0	2	0	0	12284	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:7285519-7423911	exonic	SFMBT2	10	7285519	7423911	0	0	0	2	0	0	138392	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:75069915-75072401	exonic	CFAP70	10	75069915	75072401	0	0	0	2	0	0	2486	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:75214169-75234788	exonic	PPP3CB	10	75214169	75234788	3	2	0	2	0	0	20619	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:75331179-75336119	exonic	USP54	10	75331179	75336119	0	0	0	2	0	0	4940	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:75579290-75583842	exonic	CAMK2G	10	75579290	75583842	0	0	0	2	0	0	4552	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:7801852-7817762	exonic	KIN	10	7801852	7817762	0	0	0	2	0	0	15910	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:81459935-81588207	exonic	NUTM2B	10	81459935	81588207	0	0	0	2	0	0	128272	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:875324-890995	exonic	LARP4B	10	875324	890995	0	0	0	2	0	0	15671	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:88817447-88822592	exonic	GLUD1	10	88817447	88822592	0	0	0	2	0	0	5145	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:91478467-91486278	exonic	KIF20B	10	91478467	91486278	0	0	0	2	0	0	7811	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:96022251-96044722	exonic	PLCE1	10	96022251	96044722	0	0	0	2	0	0	22471	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:96256811-96267104	exonic	TBC1D12	10	96256811	96267104	0	0	0	2	0	0	10293	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:96256811-96269936	exonic	TBC1D12	10	96256811	96269936	0	0	0	2	0	0	13125	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:96985305-96998442	exonic	ACSM6, PDLIM1	10	96985305	96998442	0	0	0	2	0	0	13137	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:96998324-97007123	exonic	PDLIM1	10	96998324	97007123	0	0	0	2	0	0	8799	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:98644160-98667504	UTR5	-----	10	98644160	98667504	0	0	0	2	0	0	23344	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:10794673-10797180	exonic	CTR9	11	10794673	10797180	0	0	0	2	0	0	2507	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:108016929-108019585	exonic	ACAT1	11	108016929	108019585	0	0	0	2	0	0	2656	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:110109299-110109847	intronic	RDX	11	110109299	110109847	0	0	0	2	0	0	548	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:113607341-113619142	exonic	ZW10	11	113607341	113619142	0	0	0	2	0	0	11801	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:117973815-117975535	exonic	TMPRSS4	11	117973815	117975535	0	0	0	2	0	0	1720	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:118453076-118453519	intronic	ARCN1	11	118453076	118453519	0	0	0	2	0	0	443	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:118994278-118997835	exonic	HINFP	11	118994278	118997835	0	0	0	2	0	0	3557	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:120310837-120312911	exonic	ARHGEF12	11	120310837	120312911	0	0	0	2	0	0	2074	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:125201714-125237881	exonic	PKNOX2	11	125201714	125237881	0	0	0	2	0	0	36167	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:17126715-17141521	exonic	PIK3C2A	11	17126715	17141521	0	0	0	2	0	0	14806	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr11:18305341-18309560	exonic	HPS5	11	18305341	18309560	0	0	0	2	0	0	4219	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:20083852-20099650	exonic	NAV2	11	20083852	20099650	0	0	0	2	0	0	15798	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:20083852-20104725	exonic	NAV2	11	20083852	20104725	0	0	0	5	0	0	20873	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:28311752-28318478	exonic	METTL15	11	28311752	28318478	0	0	0	2	0	0	6726	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:33307958-33369299	exonic	HIPK3	11	33307958	33369299	0	0	0	2	0	0	61341	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:43421437-43429127	exonic	TTC17	11	43421437	43429127	0	0	0	2	0	0	7690	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:46380601-46381248	intronic	DGKZ	11	46380601	46381248	0	0	0	2	0	0	647	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:47444124-47444524	exonic	PSMC3	11	47444124	47444524	0	0	0	2	0	0	400	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:48084788-48086661	intronic	PTPRJ	11	48084788	48086661	0	0	0	2	0	0	1873	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:57460082-57463515	exonic	ZDHC5	11	57460082	57463515	0	0	0	2	0	0	3433	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:60687157-60688460	exonic	TMEM109	11	60687157	60688460	0	0	0	2	0	0	1303	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:61912453-61914374	exonic	INCENP	11	61912453	61914374	0	0	0	2	0	0	1921	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:62502854-62505962	exonic	TTC9C	11	62502854	62505962	0	0	0	2	0	0	3108	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:63719878-63720311	exonic	NAA40	11	63719878	63720311	0	0	0	2	0	0	433	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:63961660-63965446	exonic	STIP1	11	63961660	63965446	0	0	0	2	0	0	3786	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:64570155-64570356	splicing	MAP4K2	11	64570155	64570356	0	0	0	2	0	0	201	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:65417227-65417522	exonic	SIPA1	11	65417227	65417522	0	0	0	2	0	0	295	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:66416059-66421068	intronic	RBM4	11	66416059	66421068	0	0	0	2	0	0	5009	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:66571465-66590145	exonic	C11orf80	11	66571465	66590145	0	0	0	2	0	0	18680	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:668035-668935	intronic	DEAF1	11	668035	668935	0	0	0	2	0	0	900	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:66982810-66999431	exonic	KDM2A	11	66982810	66999431	0	0	0	2	0	0	16621	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:67809219-67811374	exonic	TCIRG1	11	67809219	67811374	0	0	0	2	0	0	2155	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:68334481-68377491	exonic	PPP6R3	11	68334481	68377491	0	0	0	2	0	0	43010	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:68355394-68370960	exonic	PPP6R3	11	68355394	68370960	0	0	0	2	0	0	15566	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:68527692-68529155	exonic	CPT1A	11	68527692	68529155	0	0	0	2	0	0	1463	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:70003052-70017145	exonic	ANO1	11	70003052	70017145	0	0	0	2	0	0	14093	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:72535104-72540029	exonic	ATG16L2	11	72535104	72540029	0	0	0	2	0	0	4925	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:76169226-76175124	exonic	EMSY	11	76169226	76175124	0	0	0	2	0	0	5898	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:77812139-77823816	exonic	ALG8	11	77812139	77823816	0	0	0	2	0	0	11677	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:78516336-78525440	exonic	TENM4	11	78516336	78525440	0	0	0	2	0	0	9104	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:8724118-8728772	exonic	ST5	11	8724118	8728772	0	0	0	2	0	0	4654	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:91963542-91968159	intergenic	<small>DISC1FP1 (dist=1315322), FAT3 (dist=117103)</small>	11	91963542	91968159	0	0	0	2	0	0	4617	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:9215040-9229179	exonic	DENND5A	11	9215040	9229179	0	0	0	2	0	0	14139	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:92981557-92985425	intergenic	<small>SLC38A4 (dist=50416), CCDC67 (dist=78458)</small>	11	92981557	92985425	0	0	0	2	0	0	3868	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:9444553-9446809	exonic	IPO7	11	9444553	9446809	0	0	0	2	0	0	2256	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr11:9746204-9754257	exonic	SWAP70	11	9746204	9754257	0	0	0	2	0	0	8053	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:9759759-9761894	exonic	SWAP70	11	9759759	9761894	0	0	0	2	0	0	2135	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr11:9834078-9853967	exonic	SBF2	11	9834078	9853967	0	0	0	2	0	0	19889	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:100570821-100590757	ncRNA_exonic	MIR1827	12	100570821	100590757	0	0	0	2	0	0	19936	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:100704821-100708392	exonic	SCYL2	12	100704821	100708392	0	0	0	2	0	0	3571	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:109052513-109055934	exonic	CORO1C	12	109052513	109055934	0	0	0	2	0	0	3421	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:109660311-109660717	exonic	ACACB	12	109660311	109660717	0	0	0	2	0	0	406	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:109660311-109684253	exonic	ACACB	12	109660311	109684253	0	0	0	2	0	0	23942	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:110344376-110349040	exonic	TCHP	12	110344376	110349040	0	0	0	2	0	0	4664	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:110566754-110647021	exonic	IFT81	12	110566754	110647021	0	0	0	2	0	0	80267	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:110910883-110924522	exonic	FAM216A	12	110910883	110924522	0	0	0	2	0	0	13639	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:11199619-11273779	exonic	PRH1, PRH1-TAS2R14, TAS2R43, TAS2R46	12	11199619	11273779	0	0	0	2	0	0	74160	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:112229865-112230586	exonic	ALDH2	12	112229865	112230586	0	0	0	2	0	0	721	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:112568314-112572870	exonic	TRAFD1	12	112568314	112572870	0	0	0	2	0	0	4556	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:112667501-112669519	exonic	HECTD4	12	112667501	112669519	0	0	0	2	0	0	2018	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:114832545-114841741	exonic	TBX5	12	114832545	114841741	0	0	0	2	0	0	9196	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:117170435-117171097	intronic	C12orf49	12	117170435	117171097	0	0	0	2	0	0	662	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:118480645-118481182	exonic	WSB2	12	118480645	118481182	0	0	0	2	0	0	537	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:118671478-118682770	exonic	TAOK3	12	118671478	118682770	0	0	0	2	0	0	11292	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:1192329-1250953	exonic	ERC1	12	1192329	1250953	0	0	0	2	0	0	58624	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:121592587-121593950	exonic	P2RX7	12	121592587	121593950	0	0	0	2	0	0	1363	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:121858045-121861320	exonic	RNF34	12	121858045	121861320	0	0	0	2	0	0	3275	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:1225031-1299218	exonic	ERC1	12	1225031	1299218	0	0	0	2	0	0	74187	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:123078822-123109235	exonic	KNTC1	12	123078822	123109235	0	0	0	2	0	0	30413	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:123552918-123571909	ncRNA_exonic	LOC100507091	12	123552918	123571909	0	0	0	2	0	0	18991	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:132522226-132539753	exonic	EP400	12	132522226	132539753	0	0	0	2	0	0	17527	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:133696874-133698610	exonic	ZNF891	12	133696874	133698610	0	0	0	2	0	0	1736	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:15699502-15718562	exonic	PTPRO	12	15699502	15718562	0	0	0	2	0	0	19060	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:22622642-22646271	exonic	C2CD5	12	22622642	22646271	0	0	0	2	0	0	23629	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:25214526-25222365	exonic	LRMP	12	25214526	25222365	0	0	0	2	0	0	7839	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:25299934-25314131	exonic	CASC1	12	25299934	25314131	0	0	0	2	0	0	14197	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:28458582-28481124	exonic	CCDC91	12	28458582	28481124	0	0	0	2	0	0	22542	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:28603093-28637098	exonic	CCDC91	12	28603093	28637098	0	0	0	2	0	0	34005	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:29812813-29814312	intronic	TMTC1	12	29812813	29814312	0	0	0	2	0	0	1499	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:29904598-29911710	exonic	TMTC1	12	29904598	29911710	0	0	0	2	0	0	7112	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr12:29908641-29911710	exonic	TMTC1	12	29908641	29911710	0	0	0	2	0	0	3069	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:45725078-45751207	exonic	ANO6	12	45725078	45751207	0	0	0	2	0	0	26129	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:49835513-49884514	exonic	SPATS2	12	49835513	49884514	0	0	0	2	0	0	49001	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:50176480-50177203	intergenic	TMB1M6 (dist=17763), NCKAP5L (dist=7726)	12	50176480	50177203	0	0	0	2	0	0	723	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:50547660-50556496	intronic	CERS5	12	50547660	50556496	0	0	0	2	0	0	8836	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:50617744-50618808	intronic	LIMA1	12	50617744	50618808	0	0	0	2	0	0	1064	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:53708082-53709566	exonic	AAAS	12	53708082	53709566	0	0	0	2	0	0	1484	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:53849668-53853187	exonic	PCBP2	12	53849668	53853187	0	0	0	2	0	0	3519	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:53928285-53931336	exonic	ATF7	12	53928285	53931336	0	0	0	2	0	0	3051	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:54106883-54107684	exonic	CALCOCO1	12	54106883	54107684	0	0	0	2	0	0	801	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:56151166-56154424	exonic	SARNP	12	56151166	56154424	0	0	0	2	0	0	3258	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:56962758-56965639	exonic	RBMS2	12	56962758	56965639	0	0	0	2	0	0	2881	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:58340777-58347472	exonic	XRCC6BP1	12	58340777	58347472	0	0	0	1	2	0	6695	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:64410729-64437355	exonic	SRGAP1	12	64410729	64437355	0	0	0	2	0	0	26626	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:64456696-64509673	exonic	SRGAP1	12	64456696	64509673	0	0	0	2	0	0	52977	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:66603236-66622150	exonic	IRAK3	12	66603236	66622150	0	0	0	2	0	0	18914	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:6879090-6879384	exonic	PTMS	12	6879090	6879384	0	0	0	2	0	0	294	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:7063967-7065731	exonic	PTPN6	12	7063967	7065731	0	0	0	2	0	0	1764	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:72012112-72014095	exonic	ZFC3H1	12	72012112	72014095	0	0	0	2	0	0	1983	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:75698536-75720307	exonic	CAPS2	12	75698536	75720307	0	0	0	2	0	0	21771	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:77214838-77216311	exonic	ZDHC17	12	77214838	77216311	0	0	0	2	0	0	1473	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:80165177-80178527	exonic	PPP1R12A	12	80165177	80178527	0	0	0	2	0	0	13350	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:9246060-9254270	exonic	A2M	12	9246060	9254270	0	0	0	2	0	0	8210	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:9247569-9248296	exonic	A2M	12	9247569	9248296	0	0	0	2	0	0	727	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:9256834-9266139	exonic	A2M	12	9256834	9266139	0	0	0	2	0	0	9305	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:93192667-93196510	exonic	EEA1	12	93192667	93196510	0	0	0	2	0	0	3843	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:95660132-95681633	exonic	VEZT	12	95660132	95681633	0	0	0	2	0	0	21501	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:96897663-96929378	exonic	CFAP54	12	96897663	96929378	0	0	0	2	0	0	31715	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr12:9856725-9862364	intergenic	CLEC2D (dist=4574), CLECL1 (dist=6092)	12	9856725	9862364	0	0	0	2	0	0	5639	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:100953713-101101559	exonic	PCCA	13	100953713	101101559	0	0	0	2	0	0	147846	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:103459495-103484047	exonic	BIVM, BIVM-ERCC5	13	103459495	103484047	0	0	0	2	0	0	24552	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:110808182-110811199	intronic	COL4A1	13	110808182	110811199	0	0	0	2	0	0	3017	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:110844651-110845176	splicing	COL4A1	13	110844651	110845176	0	0	0	2	0	0	525	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:113897281-113898828	exonic	CUL4A	13	113897281	113898828	0	0	0	2	0	0	1547	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:20235837-20242671	exonic	MPHOSPH8	13	20235837	20242671	0	0	0	2	0	0	6834	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr13:24863136-24865022	exonic	SPATA13	13	24863136	24865022	0	0	0	2	0	0	1886	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:33739473-33741759	exonic	STARD13	13	33739473	33741759	0	0	0	2	0	0	2286	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:42481722-42486304	exonic	VWA8	13	42481722	42486304	0	0	0	2	0	0	4582	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:42733402-42734272	exonic	DGKH	13	42733402	42734272	0	0	0	2	0	0	870	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:46594583-46619651	exonic	ZC3H13	13	46594583	46619651	0	0	0	2	0	0	25068	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:47275255-47303119	exonic	LRCH1	13	47275255	47303119	0	0	0	2	0	0	27864	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:47297356-47303119	exonic	LRCH1	13	47297356	47303119	0	0	0	2	0	0	5763	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:48651355-48651689	exonic	MED4	13	48651355	48651689	0	0	0	2	0	0	334	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:49913812-49957077	exonic	CAB39L	13	49913812	49957077	0	0	0	2	0	0	43265	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:52992126-52997774	exonic	VPS36	13	52992126	52997774	0	0	0	2	0	0	5648	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:74518117-74569190	exonic	KLF12	13	74518117	74569190	0	0	0	2	0	0	51073	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:75900332-75923438	exonic	TBC1D4	13	75900332	75923438	0	0	0	2	0	0	23106	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:75911056-75933994	exonic	TBC1D4	13	75911056	75933994	0	0	0	2	0	0	22938	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:77636730-77673148	exonic	MYCBP2	13	77636730	77673148	0	0	0	2	0	0	36418	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:77779390-77838137	exonic	MYCBP2	13	77779390	77838137	0	0	0	2	0	0	58747	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:79896483-79916966	exonic	RBM26	13	79896483	79916966	0	0	0	2	0	0	20483	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:95725457-95727805	exonic	ABCC4	13	95725457	95727805	0	0	0	2	0	0	2348	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:95858785-95863035	exonic	ABCC4	13	95858785	95863035	0	0	0	2	0	0	4250	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:96236989-96261767	exonic	DZIP1	13	96236989	96261767	0	0	0	2	0	0	24778	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:96238259-96261767	exonic	DZIP1	13	96238259	96261767	0	0	0	2	0	0	23508	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr13:99127074-99134575	exonic	STK24	13	99127074	99134575	0	0	0	2	0	0	7501	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:100373974-100377913	exonic	EML1	14	100373974	100377913	0	0	0	2	0	0	3939	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:102503648-102504441	intronic	DYNC1H1	14	102503648	102504441	0	0	0	2	0	0	793	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:102747584-102748026	intronic	MOK	14	102747584	102748026	0	0	0	2	0	0	442	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:102791856-102793224	exonic	ZNF839	14	102791856	102793224	0	0	0	2	0	0	1368	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:104168411-104170593	exonic	XRCC3	14	104168411	104170593	0	0	0	2	0	0	2182	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:20857797-20859255	exonic	TEP1	14	20857797	20859255	0	0	0	2	0	0	1458	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:21532604-21534680	intronic	NDRG2	14	21532604	21534680	0	0	0	2	0	0	2076	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:24640065-24640544	upstream	REC8 (dist=690)	14	24640065	24640544	0	0	0	2	0	0	479	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:24666201-24669848	intergenic	TM9SF1 (dist=1259), TSSK4 (dist=5009)	14	24666201	24669848	0	0	0	2	0	0	3647	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:25076818-25101324	exonic	GZMB, GZMH	14	25076818	25101324	0	0	0	2	0	0	24506	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:32902665-32903023	exonic	AKAP6	14	32902665	32903023	0	0	0	2	0	0	358	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:33046325-33069998	exonic	AKAP6	14	33046325	33069998	0	0	0	2	0	0	23673	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:35036891-35037219	exonic	SNX6	14	35036891	35037219	0	0	0	2	0	0	328	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:35476489-35478037	exonic	SRP54	14	35476489	35478037	0	0	0	2	0	0	1548	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr14:36989101-36989257	splicing	NKX2-1	14	36989101	36989257	0	0	0	2	0	0	156	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:39218796-39232249	ncRNA_exonic	LINC00639	14	39218796	39232249	0	0	0	2	0	0	13453	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:39543618-39561831	exonic	SEC23A	14	39543618	39561831	0	0	0	2	0	0	18213	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:50175876-50196266	exonic	KLHDC1	14	50175876	50196266	0	0	0	2	0	0	20390	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:50190591-50206900	exonic	KLHDC1	14	50190591	50206900	0	0	0	2	0	0	16309	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:50649180-50655418	exonic	SOS2	14	50649180	50655418	0	0	0	2	0	0	6238	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:50796551-50808940	exonic	CDKL1	14	50796551	50808940	0	0	0	2	0	0	12389	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:50909450-50915550	exonic	MAP4K5	14	50909450	50915550	0	0	0	2	0	0	6100	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:53223269-53226472	exonic	STYX	14	53223269	53226472	0	0	0	2	0	0	3203	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:57676284-57696599	exonic	EXOC5	14	57676284	57696599	0	0	0	2	0	0	20315	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:58924476-58953884	exonic	KIAA0586	14	58924476	58953884	0	0	0	2	0	0	29408	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:61262935-61305317	exonic	MNAT1	14	61262935	61305317	0	0	0	2	0	0	42382	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:61855006-61858006	exonic	PRKCH	14	61855006	61858006	0	0	0	2	0	0	3000	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:68228919-68236447	exonic	ZFYVE26	14	68228919	68236447	0	0	0	2	0	0	7528	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:72085473-72152348	exonic	SIPA1L1	14	72085473	72152348	0	0	0	2	0	0	66875	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:73614502-73653628	exonic	PSEN1	14	73614502	73653628	0	0	0	2	0	0	39126	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:74119872-74138300	exonic	DNAL1	14	74119872	74138300	0	0	0	2	0	0	18428	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:76498298-76525716	exonic	IFT43	14	76498298	76525716	0	0	0	2	0	0	27418	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:80971254-80997230	exonic	CEP128	14	80971254	80997230	0	0	0	2	0	0	25976	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:81297487-81373837	exonic	CEP128	14	81297487	81373837	0	0	0	2	0	0	76350	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:86494713-86508177	ncRNA_intronic	LOC101928767	14	86494713	86508177	0	0	0	2	0	0	13464	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:86497480-86537311	ncRNA_exonic	LOC101928767	14	86497480	86537311	0	0	0	2	0	0	39831	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:88429727-88442832	exonic	GALC	14	88429727	88442832	0	0	0	2	0	0	13105	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:88881549-88904247	exonic	SPATA7	14	88881549	88904247	0	0	0	2	0	0	22698	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:89628045-89656793	exonic	FOXN3	14	89628045	89656793	0	0	0	2	0	0	28748	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:91642277-91655514	exonic	C14orf159	14	91642277	91655514	0	0	0	2	0	0	13237	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:92555073-92560175	exonic	ATXN3	14	92555073	92560175	0	0	0	2	0	0	5102	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:92570717-92571073	intronic	ATXN3	14	92570717	92571073	0	0	0	2	0	0	356	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr14:93276598-93282766	exonic	GOLGA5	14	93276598	93282766	0	0	0	2	0	0	6168	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:100138634-100215663	exonic	MEF2A	15	100138634	100215663	0	0	0	2	0	0	77029	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:100533252-100695525	exonic	ADAMTS17	15	100533252	100695525	0	0	0	2	0	0	162273	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:100589061-100695525	exonic	ADAMTS17	15	100589061	100695525	0	0	0	2	0	0	106464	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:100672211-100673520	exonic	ADAMTS17	15	100672211	100673520	0	0	0	2	0	0	1309	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:100692816-100739628	exonic	ADAMTS17	15	100692816	100739628	0	0	0	2	0	0	46812	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:22566769-22570820	ncRNA_exonic	REREP3	15	22566769	22570820	0	0	0	2	0	0	4051	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr15:30033534-30064369	exonic	TJP1	15	30033534	30064369	0	0	0	2	0	0	30835	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:30053341-30054641	exonic	TJP1	15	30053341	30054641	0	0	0	2	0	0	1300	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:35216881-35217820	intronic	AQR	15	35216881	35217820	0	0	0	2	0	0	939	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:35233099-35240585	exonic	AQR	15	35233099	35240585	0	0	0	2	0	0	7486	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:35665722-35747021	exonic	DPH6	15	35665722	35747021	0	0	0	2	0	0	81299	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:42470415-42476898	exonic	VPS39	15	42470415	42476898	0	0	0	2	0	0	6483	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:44060686-44061844	exonic	PDIA3	15	44060686	44061844	0	0	0	2	0	0	1158	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:44629961-44630515	exonic	CASC4	15	44629961	44630515	0	0	0	2	0	0	554	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:52315240-52315845	intronic	MAPK6	15	52315240	52315845	0	0	0	2	0	0	605	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:55657385-55670574	exonic	CCPG1	15	55657385	55670574	0	0	0	2	0	0	13189	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:55731669-55742565	exonic	DYX1C1	15	55731669	55742565	0	0	0	2	0	0	10896	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:57730182-57746016	exonic	CGNL1	15	57730182	57746016	0	0	0	2	0	0	15834	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:59934334-59944525	exonic	GTF2A2	15	59934334	59944525	0	0	0	2	0	0	10191	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:62300853-62306191	exonic	VPS13C	15	62300853	62306191	0	0	0	2	0	0	5338	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:63966541-63967292	exonic	HERC1	15	63966541	63967292	0	0	0	2	0	0	751	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:64706284-64717830	exonic	TRIP4	15	64706284	64717830	0	0	0	2	0	0	11546	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:65152093-65157427	exonic	PLEKH02	15	65152093	65157427	0	0	0	2	0	0	5334	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:65295224-65298056	exonic	MTFMT	15	65295224	65298056	0	0	0	2	0	0	2832	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:65411010-65412292	exonic	PDCD7	15	65411010	65412292	0	0	0	2	0	0	1282	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:65936765-65943280	exonic	SLC24A1	15	65936765	65943280	0	0	0	2	0	0	6515	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:66956700-66962878	ncRNA_exonic	LINC01169	15	66956700	66962878	0	0	0	2	0	0	6178	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:67893022-67956983	exonic	MAP2K5	15	67893022	67956983	0	0	0	2	0	0	63961	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:68121516-68125595	exonic	SKOR1	15	68121516	68125595	0	0	0	2	0	0	4079	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:70975097-70976785	exonic	UACA	15	70975097	70976785	0	0	0	2	0	0	1688	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:72637786-72639051	exonic	HEXA	15	72637786	72639051	0	0	0	2	0	0	1265	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:75693070-75694311	exonic	SIN3A	15	75693070	75694311	0	0	0	2	0	0	1241	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:75909748-75913397	exonic	SNUPN	15	75909748	75913397	0	0	0	2	0	0	3649	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:76577977-76588078	exonic	ETFA	15	76577977	76588078	0	0	0	2	0	0	10101	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:77450844-77474382	exonic	PEAK1	15	77450844	77474382	0	0	0	2	0	0	23538	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:78305164-78322512	exonic	TBC1D2B	15	78305164	78322512	0	0	0	2	0	0	17348	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:79179610-79186572	exonic	MORF4L1	15	79179610	79186572	0	0	0	2	0	0	6962	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:81419931-81436161	exonic	CFAP161	15	81419931	81436161	0	0	0	2	0	0	16230	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:83481854-83495598	exonic	WHAMM	15	83481854	83495598	0	0	0	2	0	0	13744	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:83793423-83796229	exonic	TM6SF1	15	83793423	83796229	0	0	0	2	0	0	2806	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:84228004-84257523	exonic	SH3GL3	15	84228004	84257523	0	0	0	2	0	0	29519	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr15:84506840-84558999	exonic	ADAMTSL3	15	84506840	84558999	0	0	0	2	0	0	52159	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:84592655-84611834	exonic	ADAMTSL3	15	84592655	84611834	0	0	0	2	0	0	19179	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:86028941-86069632	exonic	AKAP13	15	86028941	86069632	0	0	0	2	0	0	40691	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:86207793-86213061	exonic	AKAP13	15	86207793	86213061	0	0	0	2	0	0	5268	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:86283452-86284726	exonic	AKAP13	15	86283452	86284726	0	0	0	2	0	0	1274	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr15:93428744-93435302	ncRNA_exonic	LINC01578	15	93428744	93435302	0	0	0	2	0	0	6558	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:11609785-11610163	intergenic	LOC101927131 (dist=42755), LITAF (dist=31415)	16	11609785	11610163	0	0	0	2	0	0	378	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:11818062-11818711	intronic	TXNDC11	16	11818062	11818711	0	0	0	2	0	0	649	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:14687157-14698083	exonic	PARN	16	14687157	14698083	0	0	0	2	0	0	10926	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:15876241-15880589	exonic	MYH11	16	15876241	15880589	0	0	0	2	0	0	4348	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:16112314-16113873	intronic	ABCC1	16	16112314	16113873	0	0	0	2	0	0	1559	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:16126965-16130460	exonic	ABCC1	16	16126965	16130460	0	0	0	2	0	0	3495	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:1642176-1642589	exonic	IFT140	16	1642176	1642589	0	0	0	2	0	0	413	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:19744151-19746772	exonic	IQCK	16	19744151	19746772	0	0	0	2	0	0	2621	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:20894758-20902425	intronic	DCUN1D3	16	20894758	20902425	0	0	0	2	0	0	7667	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:21623965-21636436	exonic	METTL9	16	21623965	21636436	0	0	0	2	0	0	12471	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:22277711-22278197	exonic	EEF2K	16	22277711	22278197	0	0	0	2	0	0	486	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:23632683-23634451	exonic	PALB2	16	23632683	23634451	0	0	0	2	0	0	1768	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:2378453-2379855	UTR5	ABCA3 (NM_001089-c.-2877_-3388delins0)	16	2378453	2379855	0	0	0	2	0	0	1402	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:25151491-25162936	exonic	LCMT1	16	25151491	25162936	0	0	0	2	0	0	11445	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:27222471-27226329	exonic	KDM8	16	27222471	27226329	0	0	0	2	0	0	3858	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:27351506-27364017	exonic	IL4R	16	27351506	27364017	0	0	0	2	0	0	12511	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:27357788-27367228	exonic	IL4R	16	27357788	27367228	0	0	0	2	0	0	9440	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:27544611-27556844	exonic	GTF3C1	16	27544611	27556844	0	0	0	2	0	0	12233	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:27760904-27763245	exonic	KIAA0556	16	27760904	27763245	0	0	0	2	0	0	2341	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:28137009-28157524	exonic	XPO6	16	28137009	28157524	0	0	0	2	0	0	20515	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:29124371-29127647	ncRNA_exonic	RRN3P2	16	29124371	29127647	0	0	0	2	0	0	3276	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:29468952-29469336	exonic	SLX1A, SLX1B	16	29468952	29469336	0	0	0	2	0	0	384	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:29826240-29826435	UTR3	-----	16	29826240	29826435	0	0	0	2	0	0	195	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:30507417-30515585	exonic	ITGAL	16	30507417	30515585	0	0	0	2	0	0	8168	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:31131506-31139460	exonic	KAT8	16	31131506	31139460	0	0	0	2	0	0	7954	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:3790399-3801807	exonic	CREBBP	16	3790399	3801807	0	0	0	2	0	0	11408	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:3929553-3929832	splicing	CREBBP	16	3929553	3929832	0	0	0	2	0	0	279	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:46705616-46710604	exonic	VPS35	16	46705616	46710604	0	0	0	2	0	0	4988	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:4721392-4723658	exonic	MGRN1	16	4721392	4723658	0	0	0	2	0	0	2266	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr16:47497810-47549512	exonic	PHKB	16	47497810	47549512	0	0	0	2	0	0	51702	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:48580057-48596355	exonic	N4BP1	16	48580057	48596355	0	0	0	2	0	0	16298	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:49557534-49559405	exonic	ZNF423	16	49557534	49559405	0	0	0	2	0	0	1871	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:50112651-50112929	exonic	HEATR3	16	50112651	50112929	0	0	0	2	0	0	278	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:56969146-56974157	exonic	HERPUD1	16	56969146	56974157	0	0	0	2	0	0	5011	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:58614536-58615419	exonic	CNOT1	16	58614536	58615419	0	0	0	2	0	0	883	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:58633139-58633415	exonic	CNOT1	16	58633139	58633415	0	0	0	2	0	0	276	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:66761591-66766408	exonic	DYNC1LI2	16	66761591	66766408	0	0	0	2	0	0	4817	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:66839679-66844675	exonic	NAE1	16	66839679	66844675	0	0	0	2	0	0	4996	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:67717283-67719705	exonic	GFOD2	16	67717283	67719705	0	0	0	2	0	0	2422	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:69304045-69318147	exonic	SNTB2	16	69304045	69318147	0	0	0	2	0	0	14102	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:70500035-70505255	exonic	FUK	16	70500035	70505255	0	0	0	2	0	0	5220	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:70594371-70597953	exonic	SF3B3	16	70594371	70597953	0	0	0	2	0	0	3582	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:71149598-71220821	exonic	HYDIN	16	71149598	71220821	0	0	0	2	0	0	71223	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:81888048-81892768	exonic	PLCG2	16	81888048	81892768	0	0	0	2	0	0	4720	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:85078632-85079056	intronic	KIAA0513	16	85078632	85079056	0	0	0	2	0	0	424	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:86519238-86524610	ncRNA_exonic	FENRRR	16	86519238	86524610	0	0	0	2	0	0	5372	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:87448881-87452507	exonic	ZCCHC14	16	87448881	87452507	0	0	0	2	0	0	3626	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:87451065-87452507	exonic	ZCCHC14	16	87451065	87452507	0	0	0	2	0	0	1442	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:88008654-88071617	exonic	BANP	16	88008654	88071617	0	0	0	2	0	0	62963	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr16:89857810-89858955	exonic	FANCA	16	89857810	89858955	0	0	0	2	0	0	1145	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:1270159-1275242	intronic	YWHAE	17	1270159	1275242	0	0	0	2	0	0	5083	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:1383821-1384179	exonic	MYO1C	17	1383821	1384179	0	0	0	2	0	0	358	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:1442162-1456443	exonic	PITPNA	17	1442162	1456443	0	0	0	2	0	0	14281	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:16635113-16638957	exonic	CCDC144A	17	16635113	16638957	0	0	0	2	0	0	3844	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:18243168-18244694	exonic	SHMT1	17	18243168	18244694	0	0	0	2	0	0	1526	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:18506916-18513605	ncRNA_exonic	CCDC144B	17	18506916	18513605	0	0	0	2	0	0	6689	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:18692665-18702256	exonic	TVP23B	17	18692665	18702256	0	0	0	2	0	0	9591	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:18768781-18793190	exonic	PRPSAP2	17	18768781	18793190	0	0	0	2	0	0	24409	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:18770594-18793190	exonic	PRPSAP2	17	18770594	18793190	0	0	0	2	0	0	22596	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:19921300-20013875	exonic	SPECC1	17	19921300	20013875	0	0	0	2	0	0	92575	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:2067054-2076153	exonic	SMG6	17	2067054	2076153	0	0	0	2	0	0	9099	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:20910208-20916248	exonic	USP22	17	20910208	20916248	0	0	0	2	0	0	6040	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:28535965-28536471	exonic	SLC6A4	17	28535965	28536471	0	0	0	2	0	0	506	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:29130918-29131126	exonic	CRLF3	17	29130918	29131126	0	0	0	2	0	0	208	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr17:29654667-29685650	exonic	NF1	17	29654667	29685650	0	0	0	2	0	0	30983	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:30357674-30362658	exonic	LRR37B	17	30357674	30362658	0	0	0	2	0	0	4984	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:31039005-31082680	exonic	MYO1D	17	31039005	31082680	0	0	0	2	0	0	43675	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:3474817-3511859	exonic	TRPV1	17	3474817	3511859	0	0	0	2	0	0	37042	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:35797839-35804870	exonic	TADA2A	17	35797839	35804870	0	0	0	2	0	0	7031	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:3608375-3623696	exonic	ITGAE	17	3608375	3623696	0	0	0	2	0	0	15321	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:3850684-3851149	exonic	ATP2A3	17	3850684	3851149	0	0	0	2	0	0	465	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:4098272-4100872	exonic	ANKFY1	17	4098272	4100872	0	0	0	2	0	0	2600	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:42188097-42195072	exonic	HDAC5	17	42188097	42195072	0	0	0	2	0	0	6975	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:42288159-42288520	exonic	UBTF	17	42288159	42288520	0	0	0	2	0	0	361	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:4539053-4540553	exonic	ALOX15	17	4539053	4540553	0	0	0	2	0	0	1500	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:47684611-47700238	exonic	SPOP	17	47684611	47700238	0	0	0	2	0	0	15627	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:47797121-47797798	exonic	FAM117A	17	47797121	47797798	0	0	0	2	0	0	677	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:49097519-49133843	exonic	SPAG9	17	49097519	49133843	0	0	0	2	0	0	36324	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:5211989-5235447	exonic	RABEP1	17	5211989	5235447	0	0	0	2	0	0	23458	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:57105776-57141766	exonic	TRIM37	17	57105776	57141766	0	0	0	2	0	0	35990	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:57153007-57161450	exonic	TRIM37	17	57153007	57161450	0	0	0	2	0	0	8443	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:59480568-59481751	exonic	TBX2	17	59480568	59481751	0	0	0	2	0	0	1183	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:61838273-61842207	exonic	CCDC47	17	61838273	61842207	0	0	0	2	0	0	3934	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:65906992-65936772	exonic	BPTF	17	65906992	65936772	0	0	0	2	0	0	29780	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:67040638-67058277	exonic	ABCA9	17	67040638	67058277	0	0	0	2	0	0	17639	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:73038276-73038754	exonic	ATP5H	17	73038276	73038754	0	0	0	2	0	0	478	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:73737795-73739408	exonic	ITGB4	17	73737795	73739408	0	0	0	2	0	0	1613	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:76000251-76005778	UTR5	<small>76000251-76005778</small>	17	76000251	76005778	0	0	0	2	0	0	5527	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:76069117-76079247	exonic	TNRC6C	17	76069117	76079247	0	0	0	2	0	0	10130	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:76697752-76705814	exonic	CYTH1	17	76697752	76705814	0	0	0	2	0	0	8062	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr17:79563141-79575848	exonic	NPLOC4	17	79563141	79575848	0	0	0	2	0	0	12707	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:12337339-12344246	exonic	AFG3L2	18	12337339	12344246	0	0	0	2	0	0	6907	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:13029661-13059311	exonic	CEP192	18	13029661	13059311	0	0	0	2	0	0	29650	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:13408992-13438383	exonic	LDLRAD4	18	13408992	13438383	0	0	0	2	0	0	29391	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:13666478-13682104	exonic	FAM210A	18	13666478	13682104	0	0	0	2	0	0	15626	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:21703797-21708947	exonic	TTC39C	18	21703797	21708947	0	0	0	2	0	0	5150	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:21883601-21921622	exonic	OSBPL1A	18	21883601	21921622	0	0	0	2	0	0	38021	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:21921510-21946930	exonic	OSBPL1A	18	21921510	21946930	0	0	0	2	0	0	25420	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:2750040-2751391	exonic	SMCHD1	18	2750040	2751391	0	0	0	2	0	0	1351	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr18:2775732-2784619	exonic	SMCHD1	18	2775732	2784619	0	0	0	2	0	0	8887	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:29218606-29238052	exonic	B4GALT6	18	29218606	29238052	0	0	0	2	0	0	19446	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:2923772-2925366	exonic	LPIN2	18	2923772	2925366	0	0	0	2	0	0	1594	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:346294-357522	exonic	COLEC12	18	346294	357522	0	0	0	2	0	0	11228	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:34646831-34664195	exonic	KIAA1328	18	34646831	34664195	0	0	0	2	0	0	17364	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:43698146-43704859	exonic	HAUS1	18	43698146	43704859	0	0	0	2	0	0	6713	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:43698146-43705757	exonic	HAUS1	18	43698146	43705757	0	0	0	2	0	0	7611	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:43698147-43708803	exonic	HAUS1	18	43698147	43708803	0	0	0	2	0	0	10656	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:44013153-44019158	exonic	RNF165	18	44013153	44019158	0	0	0	2	0	0	6005	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:50831948-50942526	exonic	DCC	18	50831948	50942526	0	0	0	2	0	0	110578	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:54367022-54483375	exonic	WDR7	18	54367022	54483375	0	0	0	2	0	0	116353	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:56585502-56601846	exonic	ZNF532	18	56585502	56601846	0	0	0	2	0	0	16344	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:56598878-56606853	exonic	ZNF532	18	56598878	56606853	0	0	0	2	0	0	7975	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:56816744-56823039	exonic	SEC11C	18	56816744	56823039	0	0	0	2	0	0	6295	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:59481840-59483831	exonic	RNF152	18	59481840	59483831	0	0	0	2	0	0	1991	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:6093353-6138295	exonic	L3MBTL4	18	6093353	6138295	0	0	0	2	0	0	44942	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:6281103-6312055	exonic	L3MBTL4	18	6281103	6312055	0	0	0	2	0	0	30952	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:67788791-67795782	exonic	RTTN	18	67788791	67795782	0	0	0	2	0	0	6991	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:6824761-6837413	exonic	ARHGAP28	18	6824761	6837413	0	0	0	2	0	0	12652	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:6824761-6851125	exonic	ARHGAP28	18	6824761	6851125	0	0	0	2	0	0	26364	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:76886267-76914555	exonic	ATP9B	18	76886267	76914555	0	0	0	2	0	0	28288	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr18:77811284-77814330	downstream	RBFA (dist=632)	18	77811284	77814330	0	0	0	2	0	0	3046	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:1031069-1032695	exonic	CNN2	19	1031069	1032695	0	0	0	2	0	0	1626	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:1036128-1036561	exonic	CNN2	19	1036128	1036561	0	0	0	2	0	0	433	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:11294975-11295598	intronic	KANK2	19	11294975	11295598	0	0	0	2	0	0	623	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:12057996-12067457	exonic	ZNF700	19	12057996	12067457	0	0	0	2	0	0	9461	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:12568245-12577664	exonic	ZNF709	19	12568245	12577664	0	0	0	2	0	0	9419	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:14501735-14508951	exonic	ADGRE5	19	14501735	14508951	0	0	0	2	0	0	7216	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:14501736-14502304	exonic	ADGRE5	19	14501736	14502304	0	0	0	2	0	0	568	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:14826193-14828545	exonic	ZNF333	19	14826193	14828545	0	0	0	2	0	0	2352	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:17308600-17311638	exonic	MYO9B	19	17308600	17311638	0	0	0	2	0	0	3038	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:17362390-17366415	exonic	USHBP1	19	17362390	17366415	0	0	0	2	0	0	4025	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:17601933-17605891	intronic	SLC27A1	19	17601933	17605891	0	0	0	2	0	0	3958	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:18232494-18239761	exonic	MAST3	19	18232494	18239761	0	0	0	2	0	0	7267	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:18856632-18860685	exonic	CRTC1	19	18856632	18860685	0	0	0	2	0	0	4053	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr19:19576149-19584927	exonic	GATAD2A	19	19576149	19584927	0	0	0	2	0	0	8778	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:19822009-19825296	exonic	ZNF14	19	19822009	19825296	0	0	0	2	0	0	3287	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:2180711-2191239	exonic	DOT1L	19	2180711	2191239	0	0	0	2	0	0	10528	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:23316882-23321357	exonic	ZNF730	19	23316882	23321357	0	0	0	2	0	0	4475	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:24288742-24310982	exonic	ZNF254	19	24288742	24310982	0	0	0	2	0	0	22240	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:33579039-33592480	exonic	GPATCH1	19	33579039	33592480	0	0	0	2	0	0	13441	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:34685382-34706566	exonic	LSM14A	19	34685382	34706566	0	0	0	2	0	0	21184	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:37020611-37025308	intergenic	ZNF260 (dist=1363), ZNF529 (dist=9209)	19	37020611	37025308	0	0	0	2	0	0	4697	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:37579941-37587017	exonic	ZNF420	19	37579941	37587017	0	0	0	2	0	0	7076	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:38282397-38282773	intergenic	ZNF573 (dist=12167), LOC644554 (dist=25278)	19	38282397	38282773	0	0	0	2	0	0	376	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:39819639-39823766	exonic	GMFG	19	39819639	39823766	0	0	0	2	0	0	4127	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:39883104-39884277	exonic	MED29	19	39883104	39884277	0	0	0	2	0	0	1173	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:39936443-39949713	exonic	SUPT5H	19	39936443	39949713	0	0	0	2	0	0	13270	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:4015561-4017180	intronic	PIAS4	19	4015561	4017180	0	0	0	2	0	0	1619	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:4117416-4117627	exonic	MAP2K2	19	4117416	4117627	0	0	0	2	0	0	211	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:4356450-4356732	intronic	MPND	19	4356450	4356732	0	0	0	2	0	0	282	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:45559708-45563885	exonic	CLASRP	19	45559708	45563885	0	0	0	2	0	0	4177	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:45922355-45924651	exonic	ERCC1	19	45922355	45924651	0	0	0	2	0	0	2296	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:46823699-46825223	exonic	HIF3A	19	46823699	46825223	0	0	0	2	0	0	1524	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:46823699-46832735	exonic	HIF3A	19	46823699	46832735	0	0	0	2	0	0	9036	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:47856010-47858607	exonic	DHX34	19	47856010	47858607	0	0	0	2	0	0	2597	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:49463125-49463560	intronic	BAX	19	49463125	49463560	0	0	0	2	0	0	435	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:52908826-52909896	exonic	ZNF528	19	52908826	52909896	0	0	0	2	0	0	1070	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:53073293-53095481	exonic	ZNF701	19	53073293	53095481	0	0	0	2	0	0	22188	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:53077330-53087450	exonic	ZNF701	19	53077330	53087450	0	0	0	2	0	0	10120	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:53122188-53138406	UTR5		19	53122188	53138406	0	0	0	2	0	0	16218	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:53651933-53657046	exonic	ZNF347	19	53651933	53657046	0	0	0	2	0	0	5113	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:54755917-54778683	exonic	LILRB2, LILRB5	19	54755917	54778683	0	0	0	2	0	0	22766	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:55501389-55508855	exonic	NLRP2	19	55501389	55508855	0	0	0	2	0	0	7466	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:5595371-5604947	exonic	SAFB2	19	5595371	5604947	0	0	0	2	0	0	9576	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:5598803-5610106	exonic	SAFB2	19	5598803	5610106	0	0	0	2	0	0	11303	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:5653126-5653431	exonic	SAFB	19	5653126	5653431	0	0	0	2	0	0	305	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:6759604-6760998	exonic	SH2D3A	19	6759604	6760998	0	0	0	2	0	0	1394	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:7267355-7267907	exonic	INSR	19	7267355	7267907	0	0	0	2	0	0	552	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:8280271-8286524	intronic	CERS4	19	8280271	8286524	0	0	0	2	0	0	6253	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr19:8591336-8601939	exonic	MYO1F	19	8591336	8601939	0	0	0	2	0	0	10603	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:8619361-8620680	exonic	MYO1F	19	8619361	8620680	0	0	0	2	0	0	1319	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr19:9939267-9939550	exonic	UBL5	19	9939267	9939550	0	0	0	2	0	0	283	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:101648729-101650220	exonic	TBC1D8	2	101648729	101650220	0	0	0	2	0	0	1491	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:102459070-102460773	exonic	MAP4K4	2	102459070	102460773	0	0	0	2	0	0	1703	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:109100604-109116210	exonic	GCC2	2	109100604	109116210	0	0	0	2	0	0	15606	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:109106293-109109246	exonic	GCC2	2	109106293	109109246	0	0	0	2	0	0	2953	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:112817554-112824644	exonic	TMEM87B	2	112817554	112824644	0	0	0	2	0	0	7090	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:11357216-11389924	exonic	ROCK2	2	11357216	11389924	0	0	0	2	0	0	32708	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:114489160-114493435	exonic	SLC35F5	2	114489160	114493435	0	0	0	2	0	0	4275	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:114563573-114566052	intergenic	SLC35F5(d14+49173),LOC101000091(d14+2270)	2	114563573	114566052	0	0	0	2	0	0	2479	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:114670748-114688973	exonic	ACTR3	2	114670748	114688973	0	0	0	2	0	0	18225	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:122120747-122125407	exonic	CLASP1	2	122120747	122125407	0	0	0	2	0	0	4660	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:122187648-122216551	exonic	CLASP1	2	122187648	122216551	0	0	0	2	0	0	28903	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:128712559-128712918	exonic	SAP130	2	128712559	128712918	0	0	0	2	0	0	359	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:128922303-128931513	exonic	UGGT1	2	128922303	128931513	0	0	0	2	0	0	9210	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:133618065-133653137	exonic	NCKAP5	2	133618065	133653137	0	0	0	2	0	0	35072	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:135625090-135626611	exonic	ACMSD	2	135625090	135626611	0	0	0	2	0	0	1521	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:136527338-136537955	exonic	UBXN4	2	136527338	136537955	0	0	0	2	0	0	10617	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:15514731-15618413	exonic	NBAS	2	15514731	15618413	0	0	0	2	0	0	103682	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:158617391-158627026	exonic	ACVR1	2	158617391	158627026	0	0	0	2	0	0	9635	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:159165944-159201830	exonic	CCDC148	2	159165944	159201830	0	0	0	2	0	0	35886	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:159488264-159497271	exonic	PKP4	2	159488264	159497271	0	0	0	2	0	0	9007	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:159857592-159867952	UTR5	TANC1	2	159857592	159867952	0	0	0	2	0	0	10360	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:159992704-160076378	exonic	TANC1	2	159992704	160076378	0	0	0	2	0	0	83674	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:160585520-160599764	exonic	SCN7A	2	160585520	160599764	0	0	0	2	0	0	14244	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:167304121-167313586	exonic	SCN7A	2	167304121	167313586	0	0	0	2	0	0	9465	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:169684667-169711970	exonic	NOSTRIN	2	169684667	169711970	0	0	0	2	0	0	27303	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:170802798-170815036	exonic	UBR3	2	170802798	170815036	0	0	0	2	0	0	12238	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:172180554-172196064	exonic	METTL8	2	172180554	172196064	0	0	0	2	0	0	15510	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:172644081-172666196	exonic	SLC25A12	2	172644081	172666196	0	0	0	2	0	0	22115	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:178097119-178098999	exonic	NFE2L2	2	178097119	178098999	0	0	0	2	0	0	1880	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:179981395-179982340	exonic	SESTD1	2	179981395	179982340	0	0	0	2	0	0	945	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:180835227-180846724	exonic	CWC22	2	180835227	180846724	0	0	0	2	0	0	11497	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:183600975-183608439	exonic	DNAJC10	2	183600975	183608439	0	0	0	2	0	0	7464	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

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chr2:186903057-186947948	ncRNA_exonic	LINC01473	2	186903057	186947948	0	0	0	2	0	0	44891	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:190428309-190436567	exonic	SLC40A1	2	190428309	190436567	0	0	0	2	0	0	8258	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:191382245-191383909	exonic	NEMP2	2	191382245	191383909	0	0	0	2	0	0	1664	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:191900889-191919260	exonic	STAT4	2	191900889	191919260	0	0	0	2	0	0	18371	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:197964540-198051830	exonic	ANKRD44	2	197964540	198051830	0	0	0	2	0	0	87290	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:198327262-198334895	exonic	COQ10B	2	198327262	198334895	0	0	0	2	0	0	7633	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:201798598-201806002	exonic	ORC2	2	201798598	201806002	0	0	0	2	0	0	7404	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:202007553-202007951	ncRNA_intronic	CFLAR-AS1	2	202007553	202007951	0	0	0	2	0	0	398	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:202603392-202626541	exonic	ALS2	2	202603392	202626541	0	0	0	2	0	0	23149	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:202614434-202619394	exonic	ALS2	2	202614434	202619394	0	0	0	2	0	0	4960	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:203567022-203567371	intronic	FAM117B	2	203567022	203567371	0	0	0	2	0	0	349	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:204267299-204291992	exonic	ABI2	2	204267299	204291992	0	0	0	2	0	0	24693	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:204319152-204326648	exonic	RAPH1	2	204319152	204326648	0	0	0	2	0	0	7496	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:205912303-205990461	exonic	PARD3B	2	205912303	205990461	0	0	0	2	0	0	78158	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:206991262-207017234	exonic	NDUFS1	2	206991262	207017234	0	0	0	2	0	0	25972	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:206997668-207007555	exonic	NDUFS1	2	206997668	207007555	0	0	0	2	0	0	9887	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:207705831-207744164	intergenic	FASTKD2(dist=44920), CPO(dist=60114)	2	207705831	207744164	0	0	0	2	0	0	38333	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:207705831-207746615	intergenic	FASTKD2(dist=44920), CPO(dist=57663)	2	207705831	207746615	0	0	0	2	0	0	40784	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:209138307-209163503	exonic	PIKFYVE	2	209138307	209163503	0	0	0	2	0	0	25196	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:210905143-210962931	exonic	KANSL1L	2	210905143	210962931	0	0	0	2	0	0	57788	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:211057527-211070520	exonic	ACADL	2	211057527	211070520	0	0	0	2	0	0	12993	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:211068054-211085526	exonic	ACADL	2	211068054	211085526	0	0	0	2	0	0	17472	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:212483901-212495319	exonic	ERBB4	2	212483901	212495319	0	0	0	2	0	0	11418	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:216288868-216295575	exonic	FN1	2	216288868	216295575	0	0	0	2	0	0	6707	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:219254184-219256442	exonic	SLC11A1	2	219254184	219256442	0	0	0	2	0	0	2258	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:230672967-230675761	exonic	TRIP12	2	230672967	230675761	0	0	0	2	0	0	2794	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:231033763-231035477	exonic	SP110	2	231033763	231035477	0	0	0	2	0	0	1714	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:232576624-232577226	exonic	PTMA	2	232576624	232577226	0	0	0	2	0	0	602	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:232660815-232663674	exonic	COPS7B	2	232660815	232663674	0	0	0	2	0	0	2859	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:233651859-233697803	exonic	GIGYF2	2	233651859	233697803	0	0	0	2	0	0	45944	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:236929920-236945359	exonic	AGAP1	2	236929920	236945359	0	0	0	2	0	0	15439	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:238881733-238903451	exonic	UBE2F	2	238881733	238903451	0	0	0	2	0	0	21718	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:239233946-239258049	exonic	TRAF3IP1	2	239233946	239258049	0	0	0	2	0	0	24103	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:239237326-239257489	exonic	TRAF3IP1	2	239237326	239257489	0	0	0	2	0	0	20163	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:239237326-239261850	exonic	TRAF3IP1	2	239237326	239261850	0	0	0	2	0	0	24524	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr2:26022254-26068432	exonic	ASXL2	2	26022254	26068432	0	0	0	2	0	0	46178	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:32740056-32744013	exonic	BIRC6	2	32740056	32744013	0	0	0	2	0	0	3957	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:33567904-33590570	exonic	LTBP1	2	33567904	33590570	0	0	0	2	0	0	22666	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:38567229-38570654	exonic	ATL2	2	38567229	38570654	0	0	0	2	0	0	3425	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:39505548-39507497	exonic	MAP4K3	2	39505548	39507497	0	0	0	2	0	0	1949	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:43798845-43804381	exonic	THADA	2	43798845	43804381	0	0	0	2	0	0	5536	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:44003920-44023097	exonic	DYNC2LI1	2	44003920	44023097	0	0	0	2	0	0	19177	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:44173251-44202356	exonic	LRPPRC	2	44173251	44202356	0	0	0	2	0	0	29105	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:46067519-46087337	exonic	PRKCE	2	46067519	46087337	0	0	0	2	0	0	19818	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:55566599-55576735	exonic	CCDC88A	2	55566599	55576735	0	0	0	2	0	0	10136	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:61456682-61463524	exonic	USP34	2	61456682	61463524	0	0	0	2	0	0	6842	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:64139478-64148469	exonic	VPS54	2	64139478	64148469	0	0	0	2	0	0	8991	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:66691240-66739426	exonic	MEIS1	2	66691240	66739426	0	0	0	2	0	0	48186	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:68461398-68473316	intronic	PPP3R1	2	68461398	68473316	0	0	0	2	0	0	11918	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:69972138-69973238	intronic	ANXA4	2	69972138	69973238	0	0	0	2	0	0	1100	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:70442502-70451761	exonic	TIA1	2	70442502	70451761	0	0	0	2	0	0	9259	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:7154584-7170346	exonic	RNF144A	2	7154584	7170346	0	0	0	2	0	0	15762	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:73195576-73228707	exonic	SFXN5	2	73195576	73228707	0	0	0	2	0	0	33131	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:73315177-73316443	exonic	RAB11FIP5	2	73315177	73316443	0	0	0	2	0	0	1266	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:75914952-75919226	exonic	GCFC2	2	75914952	75919226	0	0	0	2	0	0	4274	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:86676929-86694006	exonic	KDM3A	2	86676929	86694006	0	0	0	2	0	0	17077	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:9490936-9508648	exonic	ASAP2	2	9490936	9508648	0	0	0	2	0	0	17712	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:9661331-9668083	exonic	ADAM17	2	9661331	9668083	0	0	0	2	0	0	6752	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:99279508-99343030	exonic	MGAT4A	2	99279508	99343030	0	0	0	2	0	0	63522	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr2:9989501-10045135	exonic	TAF1B	2	9989501	10045135	0	0	0	2	0	0	55634	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:25016271-25017397	intronic	ACSS1	20	25016271	25017397	0	0	0	2	0	0	1126	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:25394425-25398831	exonic	GINS1	20	25394425	25398831	0	0	0	2	0	0	4406	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:25448025-25451461	exonic	NINL	20	25448025	25451461	0	0	0	2	0	0	3436	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:25612794-25626284	ncRNA_exonic	ZNF337-AS1	20	25612794	25626284	0	0	0	2	0	0	13490	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:25666202-25667102	exonic	ZNF337	20	25666202	25667102	0	0	0	2	0	0	900	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:3295679-3324378	exonic	C2Oorf194	20	3295679	3324378	0	0	0	2	0	0	28699	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:32981597-33000445	exonic	ITCH	20	32981597	33000445	0	0	0	2	0	0	18848	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:34446223-34487570	exonic	PHF20	20	34446223	34487570	0	0	0	2	0	0	41347	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:35174231-35175107	ncRNA_intronic	DLGAP4-AS1	20	35174231	35175107	0	0	0	2	0	0	876	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:36011021-36026257	exonic	SRC	20	36011021	36026257	0	0	0	2	0	0	15236	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr20:37153420-37161502	exonic	RALGAPB	20	37153420	37161502	0	0	0	2	0	0	8082	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:39197258-39207985	intergenic	LINC01370 (dist=560087), MAFB (dist=106503)	20	39197258	39207985	0	0	0	2	0	0	10727	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:41385101-41420106	exonic	PTPRT	20	41385101	41420106	0	0	0	2	0	0	35005	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:42226442-42230899	intronic	IFT52	20	42226442	42230899	0	0	0	2	0	0	4457	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:42679946-42683166	exonic	TOX2	20	42679946	42683166	0	0	0	2	0	0	3220	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:43132455-43141635	exonic	SERINC3	20	43132455	43141635	0	0	0	2	0	0	9180	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:43629032-43629994	exonic	STK4	20	43629032	43629994	0	0	0	2	0	0	962	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:45865069-45867882	exonic	ZMYND8	20	45865069	45867882	0	0	0	2	0	0	2813	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:47588862-47589821	exonic	ARFGEF2	20	47588862	47589821	0	0	0	2	0	0	959	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:47591302-47592736	exonic	ARFGEF2	20	47591302	47592736	0	0	0	2	0	0	1434	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:48156106-48160985	exonic	PTGIS	20	48156106	48160985	0	0	0	2	0	0	4879	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:48491241-48500603	exonic	SLC9A8	20	48491241	48500603	0	0	0	2	0	0	9362	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:48561918-48565892	exonic	RNF114	20	48561918	48565892	0	0	0	2	0	0	3974	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:49555439-49560006	exonic	DPM1	20	49555439	49560006	0	0	0	2	0	0	4567	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:55745697-55758975	exonic	BMP7	20	55745697	55758975	0	0	0	2	0	0	13278	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:56993266-57016139	exonic	VAPB	20	56993266	57016139	0	0	0	2	0	0	22873	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:60699672-60706562	exonic	LSM14B	20	60699672	60706562	0	0	0	2	0	0	6890	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:62370003-62370265	exonic	LIME1	20	62370003	62370265	0	0	0	2	0	0	262	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:62407031-62436817	exonic	ZBTB46	20	62407031	62436817	0	0	0	2	0	0	29786	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:62421173-62422143	exonic	ZBTB46	20	62421173	62422143	0	0	0	2	0	0	970	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr20:9370525-9385995	exonic	PLCB4	20	9370525	9385995	0	0	0	2	0	0	15470	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:16340618-16415895	UTR5	NRIP1 (NM_003489;c.-74950..-75382delins0)	21	16340618	16415895	0	0	0	2	0	0	75277	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:18970934-18981470	exonic	BTG3	21	18970934	18981470	0	0	0	2	0	0	10536	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:27347382-27372497	exonic	APP	21	27347382	27372497	0	0	0	2	0	0	25115	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:27423315-27425664	exonic	APP	21	27423315	27425664	0	0	0	2	0	0	2349	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:34787194-34793992	exonic	IFNGR2	21	34787194	34793992	0	0	0	2	0	0	6798	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:35279645-35281515	exonic	ATP50	21	35279645	35281515	0	0	0	2	0	0	1870	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:40646299-40650739	exonic	BRWD1	21	40646299	40650739	0	0	0	2	0	0	4440	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:40762623-40765206	exonic	WRB	21	40762623	40765206	0	0	0	2	0	0	2583	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr21:46875659-46876090	exonic	COL18A1	21	46875659	46876090	0	0	0	2	0	0	431	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:18324587-18379747	exonic	MICAL3	22	18324587	18379747	0	0	0	2	0	0	55160	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:21947149-21965332	exonic	UBE2L3	22	21947149	21965332	0	0	0	2	0	0	18183	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:24698162-24720395	exonic	SPECC1L	22	24698162	24720395	0	0	0	2	0	0	22233	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:27113216-27134203	ncRNA_exonic	MIATNB	22	27113216	27134203	0	0	0	2	0	0	20987	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:28685935-28690666	intronic	TTC28	22	28685935	28690666	0	0	0	2	0	0	4731	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr22:29140602-29141996	exonic	HSCB	22	29140602	29141996	0	0	0	2	0	0	1394	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:30032740-30038274	exonic	NF2	22	30032740	30038274	0	0	0	2	0	0	5534	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:38014454-38017703	exonic	GGA1	22	38014454	38017703	0	0	0	2	0	0	3249	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:38171702-38175105	UTR3		22	38171702	38175105	0	0	0	2	0	0	3403	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:41832441-41832593	exonic	TOB2	22	41832441	41832593	0	0	0	2	0	0	152	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:41900842-41901311	intronic	ACO2	22	41900842	41901311	0	0	0	2	0	0	469	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:42415314-42416100	exonic	WBP2NL	22	42415314	42416100	0	0	0	2	0	0	786	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr22:45927144-45929778	exonic	FBLN1	22	45927144	45929778	0	0	0	2	0	0	2634	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:100002450-100018175	exonic	TBC1D23	3	100002450	100018175	0	0	0	2	0	0	15725	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:100098597-100099092	intronic	TOMM70A	3	100098597	100099092	0	0	0	2	0	0	495	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:100560842-100567719	exonic	ABI3BP	3	100560842	100567719	0	0	0	2	0	0	6877	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:100581154-100645325	exonic	ABI3BP	3	100581154	100645325	0	0	0	2	0	0	64171	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:101136436-101177896	exonic	SENP7	3	101136436	101177896	0	0	0	2	0	0	41460	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:107789939-107799191	exonic	CD47	3	107789939	107799191	0	0	0	2	0	0	9252	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:113720441-113765579	exonic	CCDC191	3	113720441	113765579	0	0	0	2	0	0	45138	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:113784084-113798904	exonic	QTRTD1	3	113784084	113798904	0	0	0	2	0	0	14820	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:119222378-119222868	exonic	TIMMDC1	3	119222378	119222868	0	0	0	2	0	0	490	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:122284705-122284917	exonic	DTX3L	3	122284705	122284917	0	0	0	2	0	0	212	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:124412651-124415102	exonic	KALRN	3	124412651	124415102	0	0	0	2	0	0	2451	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:129546646-129579855	exonic	TMCC1	3	129546646	129579855	0	0	0	2	0	0	33209	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:1337284-1371619	exonic	CNTN6	3	1337284	1371619	0	0	0	2	0	0	34335	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:1337284-1418759	exonic	CNTN6	3	1337284	1418759	0	0	0	2	0	0	81475	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:136045645-136048826	exonic	PCCB	3	136045645	136048826	0	0	0	2	0	0	3181	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:136112272-136112547	intronic	STAG1	3	136112272	136112547	0	0	0	2	0	0	275	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:138207255-138207491	intergenic	ESYT3 (dist=9999), CEP70 (dist=5690)	3	138207255	138207491	0	0	0	2	0	0	236	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:14183093-14183453	exonic	TMEM43	3	14183093	14183453	0	0	0	2	0	0	360	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:142122515-142133133	exonic	XRN1	3	142122515	142133133	0	0	0	2	0	0	10618	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:150931791-150937430	exonic	P2RY14	3	150931791	150937430	0	0	0	2	0	0	5639	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:154027441-154033952	exonic	DHX36	3	154027441	154033952	0	0	0	2	0	0	6511	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:154801946-154866442	exonic	MME	3	154801946	154866442	0	0	0	2	0	0	64496	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:15604864-15616589	exonic	HACL1	3	15604864	15616589	0	0	0	2	0	0	11725	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:160129708-160132305	exonic	SMC4	3	160129708	160132305	0	0	0	2	0	0	2597	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:167319914-167322256	exonic	WDR49	3	167319914	167322256	0	0	0	2	0	0	2342	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:170855980-170879125	exonic	TNIK	3	170855980	170879125	0	0	0	2	0	0	23145	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:171426544-171443866	exonic	PLD1	3	171426544	171443866	0	0	0	2	0	0	17322	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr3:172491692-172501699	exonic	ECT2	3	172491692	172501699	0	0	0	2	0	0	10007	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:179096129-179104417	exonic	MFN1	3	179096129	179104417	0	0	0	2	0	0	8288	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:179340646-179340833	intronic	NDUFB5	3	179340646	179340833	0	0	0	2	0	0	187	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:179399665-179424864	exonic	USP13	3	179399665	179424864	0	0	0	2	0	0	25199	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:182870162-182872179	exonic	LAMP3	3	182870162	182872179	0	0	0	2	0	0	2017	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:183361268-183371877	exonic	KLHL24	3	183361268	183371877	0	0	0	2	0	0	10609	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:183368084-183371877	exonic	KLHL24	3	183368084	183371877	0	0	0	2	0	0	3793	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:183857867-183858518	exonic	EIF2B5	3	183857867	183858518	0	0	0	2	0	0	651	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:183962388-183963600	exonic	ALG3	3	183962388	183963600	0	0	0	2	0	0	1212	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:184566858-184675309	exonic	VPS8	3	184566858	184675309	0	0	0	2	0	0	108451	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:189700834-189713231	exonic	P3H2	3	189700834	189713231	0	0	0	2	0	0	12397	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:191074876-191087825	exonic	CCDC50	3	191074876	191087825	0	0	0	2	0	0	12949	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:193174788-193185275	exonic	ATP13A4	3	193174788	193185275	0	0	0	2	0	0	10487	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:20167396-20169041	exonic	KAT2B	3	20167396	20169041	0	0	0	2	0	0	1645	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:25642590-25656779	exonic	TOP2B	3	25642590	25656779	0	0	0	2	0	0	14189	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:3178944-3190917	exonic	TRNT1	3	3178944	3190917	0	0	0	2	0	0	11973	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:32750161-32758729	exonic	CNOT10	3	32750161	32758729	0	0	0	2	0	0	8568	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:33093250-33095041	exonic	GLB1	3	33093250	33095041	0	0	0	2	0	0	1791	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:36484855-36570477	exonic	STAC	3	36484855	36570477	0	0	0	2	0	0	85622	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:37146945-37190529	exonic	LRRFIP2	3	37146945	37190529	0	0	0	2	0	0	43584	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:37323448-37343823	exonic	GOLGA4	3	37323448	37343823	0	0	0	2	0	0	20375	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:39107301-39110350	exonic	WDR48	3	39107301	39110350	0	0	0	2	0	0	3049	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:41265511-41280845	exonic	CTNNB1	3	41265511	41280845	0	0	0	2	0	0	15334	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:41860914-41961310	exonic	ULK4	3	41860914	41961310	0	0	0	2	0	0	100396	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:42597421-42605178	exonic	SEC22C	3	42597421	42605178	0	0	0	2	0	0	7757	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:42672037-42674315	exonic	NKTR	3	42672037	42674315	0	0	0	2	0	0	2278	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:47079155-47139571	exonic	SETD2	3	47079155	47139571	0	0	0	2	0	0	60416	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:47084050-47139571	exonic	SETD2	3	47084050	47139571	0	0	0	2	0	0	55521	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:47098310-47103836	exonic	SETD2	3	47098310	47103836	0	0	0	2	0	0	5526	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:4718297-4810448	exonic	ITPR1	3	4718297	4810448	0	0	0	2	0	0	92151	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:47465422-47470160	exonic	SCAP	3	47465422	47470160	0	0	0	2	0	0	4738	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:47716965-47727660	exonic	SMARCC1	3	47716965	47727660	0	0	0	2	0	0	10695	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:52777367-52800391	exonic	NEK4	3	52777367	52800391	0	0	0	2	0	0	23024	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:53221355-53224017	exonic	PRKCD	3	53221355	53224017	0	0	0	2	0	0	2662	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:53769400-53777144	exonic	CACNA1D	3	53769400	53777144	0	0	0	2	0	0	7744	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr3:56672733-56683085	exonic	FAM208A	3	56672733	56683085	0	0	0	2	0	0	10352	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:57827025-57857425	exonic	SLMAP	3	57827025	57857425	0	0	0	2	0	0	30400	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:57827026-57835543	exonic	SLMAP	3	57827026	57835543	0	0	0	2	0	0	8517	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:58104599-58135954	exonic	FLNB	3	58104599	58135954	0	0	0	2	0	0	31355	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:63812500-63825449	exonic	THOC7	3	63812500	63825449	0	0	0	2	0	0	12949	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:63819739-63825449	exonic	THOC7	3	63819739	63825449	0	0	0	2	0	0	5710	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:64644177-64644467	exonic	ADAMTS9	3	64644177	64644467	0	0	0	2	0	0	290	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:65004116-65036497	intergenic	ADAMTS9-AS2(dist=6973), MAG11(dist=303409)	3	65004116	65036497	0	0	0	2	0	0	32381	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:72957517-72971486	exonic	GXYLT2	3	72957517	72971486	0	0	0	2	0	0	13969	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:77526564-77542533	exonic	ROBO2	3	77526564	77542533	0	0	0	2	0	0	15969	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr3:77656948-77671583	exonic	ROBO2	3	77656948	77671583	0	0	0	2	0	0	14635	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:106291993-106377902	exonic	PPA2	4	106291993	106377902	0	0	0	2	0	0	85909	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:106307723-106359193	exonic	PPA2	4	106307723	106359193	0	0	0	2	0	0	51470	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:106832306-106832889	intronic	NPNT	4	106832306	106832889	0	0	0	2	0	0	583	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:106858165-106863859	exonic	NPNT	4	106858165	106863859	0	0	0	2	0	0	5694	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:110427483-110435012	exonic	SEC24B	4	110427483	110435012	0	0	0	2	0	0	7529	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:114421618-114438813	exonic	CAMK2D	4	114421618	114438813	0	0	0	2	0	0	17195	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:120138704-120170037	exonic	USP53	4	120138704	120170037	0	0	0	2	0	0	31333	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:120188474-120190992	exonic	USP53	4	120188474	120190992	0	0	0	2	0	0	2518	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:123113383-123164223	exonic	KIAA1109	4	123113383	123164223	0	0	0	2	0	0	50840	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:13584276-13597568	exonic	BOD1L1	4	13584276	13597568	0	0	0	2	0	0	13292	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:144336629-144354869	exonic	GAB1	4	144336629	144354869	0	0	0	2	0	0	18240	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:146073692-146077148	exonic	OTUD4	4	146073692	146077148	0	0	0	2	0	0	3456	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:148830882-148876525	exonic	ARHGAP10	4	148830882	148876525	0	0	0	2	0	0	45643	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:148860975-148944564	exonic	ARHGAP10	4	148860975	148944564	0	0	0	1	2	0	83589	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:148886174-148887990	exonic	ARHGAP10	4	148886174	148887990	0	0	0	2	0	0	1816	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:152070651-152086848	exonic	SH3D19	4	152070651	152086848	0	0	0	2	0	0	16197	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:152095822-152147238	exonic	SH3D19	4	152095822	152147238	0	0	0	2	0	0	51416	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:153784757-153809459	exonic	ARFIP1	4	153784757	153809459	0	0	0	2	0	0	24702	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:15632288-15646331	exonic	FBXL5	4	15632288	15646331	0	0	0	2	0	0	14043	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:160225493-160235920	exonic	RAPGEF2	4	160225493	160235920	0	0	0	2	0	0	10427	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:16257880-16290668	ncRNA_exonic	TAPT1-AS1	4	16257880	16290668	0	0	0	2	0	0	32788	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:166946467-166999182	exonic	TLL1	4	166946467	166999182	0	0	0	2	0	0	52715	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:169343674-169353721	exonic	DDX60L	4	169343674	169353721	0	0	0	2	0	0	10047	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:169362487-169393960	exonic	DDX60L	4	169362487	169393960	0	0	0	2	0	0	31473	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr4:169815729-169837178	exonic	PALLD	4	169815729	169837178	4	0	0	8	0	0	21449	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:170398274-170400685	exonic	NEK1	4	170398274	170400685	0	0	0	2	0	0	2411	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:17629629-17633596	downstream	FAM184B(dist=113)	4	17629629	17633596	0	0	0	2	0	0	3967	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:183812502-183836728	exonic	DCTD	4	183812502	183836728	0	0	0	2	0	0	24226	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:184605127-184606556	exonic	TRAPPC11	4	184605127	184606556	0	0	0	2	0	0	1429	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:186326933-186337021	exonic	UFSP2	4	186326933	186337021	0	0	0	2	0	0	10088	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:187584452-187584767	exonic	FAT1	4	187584452	187584767	0	0	0	2	0	0	315	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:20490441-20569238	exonic	SLIT2	4	20490441	20569238	0	0	0	2	0	0	78797	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:20493383-20555591	exonic	SLIT2	4	20493383	20555591	0	0	0	2	0	0	62208	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:20493384-20512760	exonic	SLIT2	4	20493384	20512760	0	0	0	2	0	0	19376	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:20706089-20729020	exonic	PACRGL	4	20706089	20729020	0	0	0	2	0	0	22931	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:2474675-2477160	intronic	RNF4	4	2474675	2477160	0	0	0	2	0	0	2485	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:24833127-24839894	exonic	CCDC149	4	24833127	24839894	0	0	0	2	0	0	6767	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:2492063-2502465	exonic	RNF4	4	2492063	2502465	0	0	0	2	0	0	10402	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:25156619-25160729	exonic	SEPSECS	4	25156619	25160729	0	0	0	2	0	0	4110	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:2906490-2910331	exonic	ADD1	4	2906490	2910331	0	0	0	2	0	0	3841	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:3005957-3039238	exonic	GRK4	4	3005957	3039238	0	0	0	2	0	0	33281	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:36179448-36195269	exonic	ARAP2	4	36179448	36195269	0	0	0	2	0	0	15821	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:37633006-37651122	exonic	RELL1	4	37633006	37651122	0	0	0	2	0	0	18116	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:39606691-39613730	exonic	SMIM14	4	39606691	39613730	0	0	0	2	0	0	7039	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:40605910-40606381	intronic	RBM47	4	40605910	40606381	0	0	0	2	0	0	471	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:40871019-40883432	intronic	APBB2	4	40871019	40883432	0	0	0	2	0	0	12413	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:41652409-41665001	exonic	LIMCH1	4	41652409	41665001	0	0	0	2	0	0	12592	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:48512075-48517292	exonic	FRYL	4	48512075	48517292	0	0	0	2	0	0	5217	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:54011499-54011749	exonic	SCFD2	4	54011499	54011749	0	0	0	2	0	0	250	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:54439790-54457682	exonic	LNX1	4	54439790	54457682	0	0	0	2	0	0	17892	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:56756388-56763066	exonic	EXOC1	4	56756388	56763066	0	0	0	2	0	0	6678	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:6083335-6087356	exonic	JAKMIP1	4	6083335	6087356	0	0	0	2	0	0	4021	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:73998890-73999217	intronic	ANKRD17	4	73998890	73999217	0	0	0	2	0	0	327	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:76841061-76861318	exonic	NAAA	4	76841061	76861318	0	0	0	2	0	0	20257	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:79229219-79258971	exonic	FRAS1	4	79229219	79258971	0	0	0	2	0	0	29752	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:80929674-80957186	exonic	ANTXR2	4	80929674	80957186	0	0	0	2	0	0	27512	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:87073144-87080620	exonic	MAPK10	4	87073144	87080620	0	0	0	2	0	0	7476	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr4:89827530-89859392	exonic	FAM13A	4	89827530	89859392	0	0	0	2	0	0	31862	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:108233359-108295048	exonic	FER	5	108233359	108295048	0	0	0	2	0	0	61689	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr5:112102022-112137080	exonic	APC	5	112102022	112137080	0	0	0	2	0	0	35058	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:114557520-114588952	exonic	PGGT1B	5	114557520	114588952	0	0	0	2	0	0	31432	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:125894931-125906551	exonic	ALDH7A1	5	125894931	125906551	0	0	0	2	0	0	11620	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:130726686-130729184	exonic	CDC42SE2	5	130726686	130729184	0	0	0	2	0	0	2498	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:130825238-130828478	exonic	RAPGEF6	5	130825238	130828478	0	0	0	2	0	0	3240	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:130831245-130857214	exonic	RAPGEF6	5	130831245	130857214	0	0	0	2	0	0	25969	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:131926915-131931502	exonic	RAD50	5	131926915	131931502	0	0	0	2	0	0	4587	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:131951694-131953986	exonic	RAD50	5	131951694	131953986	0	0	0	2	0	0	2292	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:135382023-135383109	exonic	TGFBI	5	135382023	135383109	0	0	0	2	0	0	1086	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:137281590-137290065	exonic	FAM13B	5	137281590	137290065	0	0	0	2	0	0	8475	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:138221900-138240130	exonic	CTNNA1	5	138221900	138240130	0	0	0	2	0	0	18230	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:13891084-13931353	exonic	DNAH5	5	13891084	13931353	0	0	0	2	0	0	40269	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:139818045-139838940	exonic	ANKHD1, ANKHD1-EIF4EBP3	5	139818045	139838940	0	0	0	2	0	0	20895	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:139876104-139889766	exonic	ANKHD1, ANKHD1-EIF4EBP3	5	139876104	139889766	0	0	0	2	0	0	13662	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:141515294-141520194	exonic	NDFIP1	5	141515294	141520194	0	0	0	2	0	0	4900	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:142168995-142172338	intronic	ARHGAP26	5	142168995	142172338	0	0	0	2	0	0	3343	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:14270933-14297372	exonic	TRIO	5	14270933	14297372	0	0	0	2	0	0	26439	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:14290824-14369632	exonic	TRIO	5	14290824	14369632	0	0	0	2	0	0	78808	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:14678790-14681716	exonic	OTULIN	5	14678790	14681716	0	0	0	2	0	0	2926	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:147785819-147796767	exonic	FBXO38	5	147785819	147796767	0	0	0	2	0	0	10948	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:150075067-150078833	exonic	RBM22	5	150075067	150078833	0	0	0	2	0	0	3766	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:153085256-153085627	exonic	GRIA1	5	153085256	153085627	0	0	0	2	0	0	371	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:156945831-156947039	exonic	ADAM19	5	156945831	156947039	0	0	0	2	0	0	1208	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:157268497-157268738	intronic	CLINT1	5	157268497	157268738	0	0	0	2	0	0	241	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:159462146-159476669	exonic	TTC1	5	159462146	159476669	0	0	0	2	0	0	14523	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:160757889-160763776	exonic	GABRB2	5	160757889	160763776	0	0	0	2	0	0	5887	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:168110970-168112932	exonic	SLIT3	5	168110970	168112932	0	0	0	2	0	0	1962	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:171377814-171379566	intronic	FBXW11	5	171377814	171379566	0	0	0	2	0	0	1752	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:171573591-171576685	intronic	STK10	5	171573591	171576685	0	0	0	2	0	0	3094	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:179149804-179151784	exonic	CANX	5	179149804	179151784	0	0	0	2	0	0	1980	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:179250243-179255579	exonic	SQSTM1	5	179250243	179255579	0	0	0	2	0	0	5336	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:179956274-179980471	exonic	CNOT6	5	179956274	179980471	0	0	0	2	0	0	24197	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:31983260-31983762	exonic	PDZD2	5	31983260	31983762	0	0	0	2	0	0	502	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:35659120-35670329	exonic	SPEF2	5	35659120	35670329	0	0	0	2	0	0	11209	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:37121718-37158447	exonic	C5orf42	5	37121718	37158447	3	0	0	1	0	0	36729	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr5:37125345-37164429	exonic	C5orf42	5	37125345	37164429	0	0	0	2	0	0	39084	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:38496483-38523684	exonic	LIFR	5	38496483	38523684	0	0	0	2	0	0	27201	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:39373492-39381718	exonic	DAB2	5	39373492	39381718	0	0	0	2	0	0	8226	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:54623543-54654526	exonic	SKIV2L2	5	54623543	54654526	0	0	0	2	0	0	30983	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:56515801-56525837	exonic	GPBP1	5	56515801	56525837	0	0	0	2	0	0	10036	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:64963875-64964503	UTR3	<small>SGTB(OM_019072:c.*2198_*1570delins0)</small>	5	64963875	64964503	0	0	0	2	0	0	628	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:65284462-65334310	exonic	ERBB2IP	5	65284462	65334310	0	0	0	2	0	0	49848	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:66032540-66084622	exonic	MAST4	5	66032540	66084622	0	0	0	2	0	0	52082	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:6604250-6605521	exonic	NSUN2	5	6604250	6605521	0	0	0	2	0	0	1271	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:68400457-68413223	exonic	SLC30A5	5	68400457	68413223	0	0	0	2	0	0	12766	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:68522164-68524214	exonic	MRPS36	5	68522164	68524214	0	0	0	2	0	0	2050	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:68581163-68599756	exonic	CCDC125	5	68581163	68599756	0	0	0	2	0	0	18593	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:69730741-69741349	ncRNA_exonic	GTF2H2B	5	69730741	69741349	0	0	0	2	0	0	10608	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:70333333-70341334	exonic	GTF2H2	5	70333333	70341334	0	0	0	2	0	0	8001	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:70798425-70813279	exonic	BDP1	5	70798425	70813279	0	0	0	2	0	0	14854	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:72173054-72179059	exonic	TNPO1	5	72173054	72179059	0	0	0	2	0	0	6005	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:72311452-72337142	exonic	FCHO2	5	72311452	72337142	0	0	0	2	0	0	25690	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:73128163-73136585	exonic	ARHGEF28	5	73128163	73136585	0	0	0	2	0	0	8422	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:75709076-75711685	intronic	IQGAP2	5	75709076	75711685	0	0	0	2	0	0	2609	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:75880478-75886119	exonic	IQGAP2	5	75880478	75886119	0	0	0	2	0	0	5641	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:76754886-76760634	exonic	WDR41	5	76754886	76760634	0	0	0	2	0	0	5748	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:78952780-78964851	exonic	PAPD4	5	78952780	78964851	0	0	0	2	0	0	12071	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:79441912-79473886	exonic	SERINC5	5	79441912	79473886	0	0	0	2	0	0	31974	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:80846656-80946158	exonic	SSBP2	5	80846656	80946158	0	0	0	2	0	0	99502	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:80911291-80946158	exonic	SSBP2	5	80911291	80946158	0	0	0	2	0	0	34867	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:8783547-8783823	intergenic	<small>WDR44886(dist=320328), LOC101929284(dist=56021)</small>	5	8783547	8783823	0	0	0	2	0	0	276	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:88044886-88057145	exonic	MEF2C	5	88044886	88057145	0	0	0	2	0	0	12259	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:88238833-88261732	ncRNA_exonic	MEF2C-AS1	5	88238833	88261732	0	0	0	2	0	0	22899	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:95103749-95119667	exonic	RHOBTB3	5	95103749	95119667	0	0	0	2	0	0	15918	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:96058342-96065429	exonic	CAST	5	96058342	96065429	0	0	0	2	0	0	7087	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr5:96349351-96363518	exonic	LNPEP	5	96349351	96363518	0	0	0	2	0	0	14167	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:104876571-104877407	intergenic	<small>NONE(dist=NONE), HACE1(dist=298561)</small>	6	104876571	104877407	0	0	0	2	0	0	836	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:105272689-105291173	exonic	HACE1	6	105272689	105291173	0	0	0	2	0	0	18484	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:107031203-107050797	exonic	RTN4IP1	6	107031203	107050797	0	0	0	2	0	0	19594	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:10994835-10996719	exonic	ELOVL2	6	10994835	10996719	0	0	0	2	0	0	1884	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr6:11192577-11193925	exonic	NEDD9	6	11192577	11193925	0	0	0	2	0	0	1348	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:112471712-112486478	exonic	LAMA4	6	112471712	112486478	0	0	0	2	0	0	14766	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:116917126-116951715	exonic	RSPH4A	6	116917126	116951715	0	0	0	2	0	0	34589	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:119569424-119628157	exonic	MAN1A1	6	119569424	119628157	0	0	0	2	0	0	58733	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:129815327-129879311	exonic	LAMA2	6	129815327	129879311	0	0	0	2	0	0	63984	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:129937356-129955250	exonic	ARHGAP18	6	129937356	129955250	0	0	0	2	0	0	17894	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:136980493-136990533	exonic	MAP3K5	6	136980493	136990533	0	0	0	2	0	0	10040	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:139264649-139269050	exonic	REPS1	6	139264649	139269050	0	0	0	2	0	0	4401	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:143780221-143784134	exonic	PEX3	6	143780221	143784134	0	0	0	2	0	0	3913	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:145124172-145142073	exonic	UTRN	6	145124172	145142073	0	0	0	2	0	0	17901	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:148761320-148808851	exonic	SASH1	6	148761320	148808851	0	0	0	2	0	0	47531	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:148789681-148795358	exonic	SASH1	6	148789681	148795358	0	0	0	2	0	0	5677	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:149262415-149285699	exonic	UST	6	149262415	149285699	0	0	0	2	0	0	23284	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:154731476-154732276	exonic	CNKSР3	6	154731476	154732276	0	0	0	2	0	0	800	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:155337375-155343576	intergenic	MIR1273C (dist=162805), TIAM2 (dist=67847)	6	155337375	155343576	0	0	0	2	0	0	6201	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:158540060-158549302	exonic	SERAC1	6	158540060	158549302	0	0	0	2	0	0	9242	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:159146534-159173062	exonic	SYTL3	6	159146534	159173062	0	0	0	2	0	0	26528	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:168271065-168281197	exonic	MLLT4	6	168271065	168281197	0	0	0	2	0	0	10132	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:17507399-17507957	exonic	CAP2	6	17507399	17507957	0	0	0	2	0	0	558	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:17772138-17779915	exonic	KIF13A	6	17772138	17779915	0	0	0	2	0	0	7777	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:17794479-17794935	exonic	KIF13A	6	17794479	17794935	0	0	0	2	0	0	456	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:18160113-18163155	exonic	KDM1B	6	18160113	18163155	0	0	0	2	0	0	3042	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:19302174-19326029	intergenic	LOC101928519 (dist=121463), ID4 (dist=511572)	6	19302174	19326029	0	0	0	2	0	0	23855	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:20781375-21000603	exonic	CDKAL1	6	20781375	21000603	0	0	0	2	0	0	219228	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:20781376-20797973	exonic	CDKAL1	6	20781376	20797973	0	0	0	2	0	0	16597	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:21000457-21201505	exonic	CDKAL1	6	21000457	21201505	0	0	0	2	0	0	201048	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:24653210-24666839	exonic	TDP2	6	24653210	24666839	0	0	0	2	0	0	13629	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:25509883-25557078	exonic	LRRС16A	6	25509883	25557078	0	0	0	2	0	0	47195	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:25515902-25557078	exonic	LRRС16A	6	25515902	25557078	0	0	0	2	0	0	41176	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:2954825-2959576	exonic	SERPINB6	6	2954825	2959576	0	0	0	2	0	0	4751	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:30202134-30222241	ncRNA_exonic	HCG17	6	30202134	30222241	0	0	0	2	0	0	20107	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:33235458-33237334	exonic	VPS52	6	33235458	33237334	0	0	0	2	0	0	1876	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:35547812-35588051	exonic	FKBP5	6	35547812	35588051	0	0	0	2	0	0	40239	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:39545831-39607533	exonic	KIF6	6	39545831	39607533	0	0	0	2	0	0	61702	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:43465618-43471444	exonic	TJAP1	6	43465618	43471444	0	0	0	2	0	0	5826	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr6:44089599-44089929	intronic	MRPL14	6	44089599	44089929	0	0	0	2	0	0	330	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:47522381-47549801	exonic	CD2AP	6	47522381	47549801	0	0	0	2	0	0	27420	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:56462538-56476394	exonic	DST	6	56462538	56476394	0	0	0	2	0	0	13856	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:64356431-64390062	exonic	PHF3	6	64356431	64390062	0	0	0	2	0	0	33631	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:69640451-69785930	exonic	ADGRB3	6	69640451	69785930	0	0	0	2	0	0	145479	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:76357446-76385770	exonic	SENP6	6	76357446	76385770	0	5	2	2	2	0	28324	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:77860918-77921770	intergenic	IMP61 (dist=1078523), HTR1B (dist=248795)	6	77860918	77921770	0	0	0	2	0	0	60852	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:79697925-79708108	exonic	PHIP	6	79697925	79708108	0	0	0	2	0	0	10183	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:84894904-84896341	exonic	CEP162	6	84894904	84896341	0	0	0	2	0	0	1437	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:90362710-90366520	exonic	MDN1	6	90362710	90366520	0	0	0	2	0	0	3810	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:90547559-90566918	exonic	CASP8AP2	6	90547559	90566918	0	0	0	2	0	0	19359	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:99374352-99382755	exonic	FBXL4	6	99374352	99382755	0	0	0	2	0	0	8403	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr6:99823815-99828217	exonic	COQ3	6	99823815	99828217	0	0	0	2	0	0	4402	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:100414813-100416266	exonic	EPHB4	7	100414813	100416266	0	0	0	2	0	0	1453	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:100454489-100456783	exonic	SLC12A9	7	100454489	100456783	0	0	0	2	0	0	2294	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:102944288-102944937	exonic	PMPCB	7	102944288	102944937	0	0	0	2	0	0	649	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:104741871-104742641	exonic	KMT2E	7	104741871	104742641	0	0	0	2	0	0	770	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:106245625-106256217	intergenic	NAMPT (dist=319987), CCDC71L (dist=40994)	7	106245625	106256217	0	0	0	2	0	0	10592	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:107613436-107626808	exonic	LAMB1	7	107613436	107626808	0	0	0	2	0	0	13372	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:111629069-111644186	exonic	DOCK4	7	111629069	111644186	0	0	0	2	0	0	15117	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:112098915-112102433	exonic	IFRD1	7	112098915	112102433	0	0	0	2	0	0	3518	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:112102055-112108170	exonic	IFRD1	7	112102055	112108170	0	0	0	2	0	0	6115	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:120655718-120782195	exonic	CPED1	7	120655718	120782195	0	0	0	2	0	0	126477	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:128282270-128289036	ncRNA_exonic	LINC01000	7	128282270	128289036	0	0	0	2	0	0	6766	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:131071878-131082135	exonic	MKLN1	7	131071878	131082135	2	5	0	4	3	3	10257	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:131113791-131128461	exonic	MKLN1	7	131113791	131128461	2	0	0	5	2	0	14670	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:138964063-138969320	exonic	UBN2	7	138964063	138969320	0	0	0	2	0	0	5257	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:140058439-140069482	exonic	SLC37A3	7	140058439	140069482	0	0	0	2	0	0	11043	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:140285388-140302342	exonic	DENND2A	7	140285388	140302342	0	0	0	2	0	0	16954	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:140481375-140494267	exonic	BRAF	7	140481375	140494267	0	0	0	2	0	0	12892	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:142638400-142640970	exonic	KEL	7	142638400	142640970	0	0	0	2	0	0	2570	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:151478237-151478517	exonic	PRKAG2	7	151478237	151478517	0	0	0	2	0	0	280	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:155530223-155559349	exonic	RBM33	7	155530223	155559349	0	0	0	2	0	0	29126	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:156589083-156619438	exonic	LMBR1	7	156589083	156619438	0	0	0	2	0	0	30355	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:157015947-157041274	exonic	UBE3C	7	157015947	157041274	0	0	0	2	0	0	25327	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr7:158566031-158586417	exonic	ESYT2	7	158566031	158586417	0	0	0	2	0	0	20386	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:17175032-17189830	intergenic	AGR3 (dist=253419), AHR (dist=148446)	7	17175032	17189830	0	0	0	2	0	0	14798	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:22190024-22259610	exonic	RAPGEF5	7	22190024	22259610	0	0	0	2	0	0	69586	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:22980591-23030758	exonic	FAM126A	7	22980591	23030758	0	0	0	2	0	0	50167	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:24901231-24911688	exonic	OSBPL3	7	24901231	24911688	0	0	0	2	0	0	10457	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:26380498-26380800	intronic	SNX10	7	26380498	26380800	0	0	0	2	0	0	302	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:26724354-26779583	exonic	SKAP2	7	26724354	26779583	0	0	0	2	0	0	55229	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:30363257-30402072	exonic	ZNRF2	7	30363257	30402072	0	0	0	2	0	0	38815	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:32584305-32609766	exonic	AVL9	7	32584305	32609766	0	0	0	2	0	0	25461	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:33976900-34014396	exonic	BMPER	7	33976900	34014396	0	0	0	2	0	0	37496	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:35820818-35833632	ncRNA_exonic	SEPT7-AS1	7	35820818	35833632	0	0	0	2	0	0	12814	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:37136223-37172839	exonic	ELMO1	7	37136223	37172839	0	0	0	2	0	0	36616	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:38381857-38390051	ncRNA_exonic	TRG-AS1	7	38381857	38390051	0	0	0	2	0	0	8194	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:38829401-38836464	exonic	VPS41	7	38829401	38836464	0	0	0	2	0	0	7063	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:45688268-45726272	exonic	ADCY1	7	45688268	45726272	0	0	0	2	0	0	38004	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:48258950-48316162	exonic	ABCA13	7	48258950	48316162	0	0	0	2	0	0	57212	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:4836687-4837308	intergenic	AP5Z1 (dist=2661), RAD1L (dist=1432)	7	4836687	4837308	0	0	0	2	0	0	621	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:65219513-65221561	ncRNA_exonic	CCT6P1, SNORA22	7	65219513	65221561	0	0	0	2	0	0	2048	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:65429309-65432894	exonic	GUSB	7	65429309	65432894	0	0	0	2	0	0	3585	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:6851582-6859572	exonic	CCZ1B	7	6851582	6859572	0	0	0	2	0	0	7990	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:70227855-70242160	exonic	AUTS2	7	70227855	70242160	0	0	0	2	0	0	14305	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:73477482-73478025	exonic	ELN	7	73477482	73478025	0	0	0	2	0	0	543	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:73520204-73520573	exonic	LIMK1	7	73520204	73520573	0	0	0	2	0	0	369	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:74004179-74005346	exonic	GTF2IRD1	7	74004179	74005346	0	0	0	2	0	0	1167	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:75095265-75104454	UTR5	POM21C(ORF_001099415:c.-33372..-33988deliso0)	7	75095265	75104454	0	0	0	2	0	0	9189	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:75197502-75210614	exonic	HIP1	7	75197502	75210614	0	0	0	2	0	0	13112	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:75717457-75729274	intergenic	MIR2 (dist=20630), SRRM3 (dist=101937)	7	75717457	75729274	0	0	0	2	0	0	11817	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:77214860-77236618	exonic	PTPN12	7	77214860	77236618	0	0	0	2	0	0	21758	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:77394811-77402631	exonic	RSBN1L	7	77394811	77402631	0	0	0	2	0	0	7820	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:80275404-80303463	exonic	CD36	7	80275404	80303463	0	0	0	2	0	0	28059	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:80285875-80286010	exonic	CD36	7	80285875	80286010	0	0	0	2	0	0	135	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:91746357-91747929	exonic	CYP51A1	7	91746357	91747929	0	0	0	2	0	0	1572	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:91936672-91948826	exonic	ANKIB1	7	91936672	91948826	0	0	0	2	0	0	12154	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:91957096-91991587	exonic	ANKIB1	7	91957096	91991587	0	0	0	2	0	0	34491	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:92118606-92119225	exonic	PEX1	7	92118606	92119225	0	0	0	2	0	0	619	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr7:92932772-92963509	exonic	VPS50	7	92932772	92963509	0	0	0	2	0	0	30737	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:95799181-95822495	exonic	SLC25A13	7	95799181	95822495	0	0	0	2	0	0	23314	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:98013389-98016121	intronic	BAIAP2L1	7	98013389	98016121	0	0	0	2	0	0	2732	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:98534778-98535443	exonic	TRRAP	7	98534778	98535443	0	0	0	2	0	0	665	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr7:99315149-99367479	exonic	CYP3A4, CYP3A7, CYP3A7-CYP3A51P	7	99315149	99367479	0	0	0	2	0	0	52330	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:100662066-100733275	exonic	VPS13B	8	100662066	100733275	0	0	0	2	0	0	71209	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:101051158-101092583	exonic	RGS22	8	101051158	101092583	0	0	0	2	0	0	41425	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:101271335-101287389	exonic	RNF19A	8	101271335	101287389	0	0	0	2	0	0	16054	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:101276261-101312879	exonic	RNF19A	8	101276261	101312879	0	0	0	2	0	0	36618	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:102731479-102731876	exonic	NCALD	8	102731479	102731876	0	0	0	2	0	0	397	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:103358463-103359320	exonic	UBR5	8	103358463	103359320	0	0	0	2	0	0	857	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:108296909-108359325	exonic	ANGPT1	8	108296909	108359325	0	0	0	2	0	0	62416	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:108348377-108359325	exonic	ANGPT1	8	108348377	108359325	0	0	0	2	0	0	10948	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:109080220-109081551	intronic	RSPO2	8	109080220	109081551	0	0	0	2	0	0	1331	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:109226835-109254142	exonic	EIF3E	8	109226835	109254142	0	0	0	2	0	0	27307	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:110424493-110439385	exonic	PKHD1L1	8	110424493	110439385	0	0	0	2	0	0	14892	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:11666303-11696082	exonic	FDFT1	8	11666303	11696082	0	0	0	2	0	0	29779	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:121426229-121444363	exonic	MRPL13	8	121426229	121444363	0	0	0	2	0	0	18134	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:126085394-126094709	exonic	KIAA0196	8	126085394	126094709	0	0	0	2	0	0	9315	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:12943798-12946213	exonic	DLC1	8	12943798	12946213	0	0	0	2	0	0	2415	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:131130406-131181313	exonic	ASAP1	8	131130406	131181313	0	0	0	2	0	0	50907	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:133816063-133837616	exonic	PHF20L1	8	133816063	133837616	0	0	0	2	0	0	21553	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:140898123-140922544	exonic	TRAPPC9	8	140898123	140922544	0	0	0	2	0	0	24421	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:141678367-141684503	exonic	PTK2	8	141678367	141684503	0	0	0	2	0	0	6136	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:141696730-141727808	exonic	PTK2	8	141696730	141727808	0	0	0	2	0	0	31078	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:141727696-141900868	exonic	PTK2	8	141727696	141900868	0	0	0	2	0	0	173172	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:141756858-141774389	exonic	PTK2	8	141756858	141774389	0	0	0	2	0	0	17531	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:145161457-145161866	exonic	MAF1	8	145161457	145161866	0	0	0	2	0	0	409	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:17813162-17813606	exonic	PCM1	8	17813162	17813606	0	0	0	2	0	0	444	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:18413718-18490316	exonic	PSD3	8	18413718	18490316	0	0	0	2	0	0	76598	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:1876592-1882108	exonic	ARHGEF10	8	1876592	1882108	0	0	0	2	0	0	5516	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:19531727-19533113	intronic	CSGALNACT1	8	19531727	19533113	0	0	0	2	0	0	1386	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:28821327-28876430	exonic	HMBOX1	8	28821327	28876430	0	0	0	2	0	0	55103	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:30938383-30946481	exonic	WRN	8	30938383	30946481	0	0	0	2	0	0	8098	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:37731047-37746425	exonic	RAB11FIP1	8	37731047	37746425	0	0	0	2	0	0	15378	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr8:38595835-38596503	intronic	TACC1	8	38595835	38596503	0	0	0	2	0	0	668	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:38808367-38814904	exonic	PLEKHA2	8	38808367	38814904	0	0	0	2	0	0	6537	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:38911999-38913291	exonic	ADAM9	8	38911999	38913291	0	0	0	2	0	0	1292	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:39044427-39114862	exonic	ADAM32	8	39044427	39114862	0	0	0	2	0	0	70435	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:42805530-42852780	exonic	HOOK3	8	42805530	42852780	0	0	0	2	0	0	47250	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:42812236-42841938	exonic	HOOK3	8	42812236	42841938	0	0	0	2	0	0	29702	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:48697673-48710958	exonic	PRKDC	8	48697673	48710958	0	0	0	2	0	0	13285	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:48798504-48805947	exonic	PRKDC	8	48798504	48805947	0	0	0	2	0	0	7443	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:48955592-48962538	exonic	UBE2V2	8	48955592	48962538	0	0	0	2	0	0	6946	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:48970936-48972063	intronic	UBE2V2	8	48970936	48972063	0	0	0	2	0	0	1127	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:55696107-55769666	intergenic	RP1 (dist=152713), XKR4 (dist=245351)	8	55696107	55769666	0	0	0	2	0	0	73559	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:588541-588891	intronic	ERICH1	8	588541	588891	0	0	0	2	0	0	350	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:62546242-62557191	exonic	ASPH	8	62546242	62557191	0	0	0	2	0	0	10949	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:640898-642612	exonic	ERICH1	8	640898	642612	0	0	0	2	0	0	1714	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:66647028-66657705	exonic	PDE7A	8	66647028	66657705	0	0	0	2	0	0	10677	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:67484716-67505429	exonic	MYBL1	8	67484716	67505429	0	0	0	2	0	0	20713	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:67988716-68007967	exonic	CSPP1	8	67988716	68007967	0	0	0	2	0	0	19251	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:68030482-68062170	exonic	CSPP1	8	68030482	68062170	0	0	0	2	0	0	31688	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:68044185-68102994	exonic	CSPP1	8	68044185	68102994	0	0	0	2	0	0	58809	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:68999959-69009436	exonic	PREX2	8	68999959	69009436	0	0	0	2	0	0	9477	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:81942231-81961099	UTR5	PAG1 (NM_018440:c.36862_36769delins0)	8	81942231	81961099	0	0	0	2	0	0	18868	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:81996193-82018390	intronic	PAG1	8	81996193	82018390	0	0	0	2	0	0	22197	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:90600120-90608741	intergenic	MMP16 (dist=1200403), LOC101929709 (dist=120886)	8	90600120	90608741	0	0	0	2	0	0	8621	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:95839949-95854716	exonic	INTS8	8	95839949	95854716	0	0	0	2	0	0	14767	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:97549528-97552488	intronic	SDC2	8	97549528	97552488	0	0	0	2	0	0	2960	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:97810187-97819556	intronic	CPQ	8	97810187	97819556	0	0	0	2	0	0	9369	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr8:97847200-97978274	exonic	CPQ	8	97847200	97978274	0	0	0	2	0	0	131074	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:100092435-100133060	exonic	CCDC180	9	100092435	100133060	0	0	0	2	0	0	40625	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:102722199-102738001	exonic	STX17	9	102722199	102738001	0	0	0	2	0	0	15802	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:113205825-113213682	exonic	SVEP1	9	113205825	113213682	0	0	0	2	0	0	7857	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:114337013-114359712	exonic	PTGRI, ZNF483	9	114337013	114359712	0	0	0	2	0	0	22699	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:114842353-114905903	exonic	SUSD1	9	114842353	114905903	0	0	0	2	0	0	63550	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:115950072-115952858	exonic	FKBP15	9	115950072	115952858	0	0	0	2	0	0	2786	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:117396047-117401006	exonic	C9orf91	9	117396047	117401006	0	0	0	2	0	0	4959	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:123929766-123932094	exonic	CNTRL	9	123929766	123932094	0	0	0	2	0	0	2328	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr9:125760875-125777915	exonic	RABGAP1	9	125760875	125777915	0	0	0	2	0	0	17040	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:125884472-125946577	exonic	STRBP	9	125884472	125946577	0	0	0	2	0	0	62105	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:127561563-127563942	exonic	OLFML2A	9	127561563	127563942	0	0	0	2	0	0	2379	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:127651421-127652757	exonic	GOLGA1	9	127651421	127652757	0	0	0	2	0	0	1336	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:130652915-130653322	exonic	ST6GALNAC6	9	130652915	130653322	0	0	0	2	0	0	407	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:131107433-131107828	exonic	SLC27A4	9	131107433	131107828	0	0	0	2	0	0	395	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:131185146-131186893	exonic	CERCAM	9	131185146	131186893	0	0	0	2	0	0	1747	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:13168365-13188992	exonic	MPDZ	9	13168365	13188992	0	0	0	2	0	0	20627	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:132569466-132571311	exonic	TOR1B	9	132569466	132571311	0	0	0	2	0	0	1845	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:133274897-133276334	exonic	HMCN2	9	133274897	133276334	0	0	0	2	0	0	1437	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:133506014-133507409	exonic	FUBP3	9	133506014	133507409	0	0	0	2	0	0	1395	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:133814060-133814389	splicing	FIBCD1	9	133814060	133814389	0	0	0	2	0	0	329	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:134019666-134022971	exonic	NUP214	9	134019666	134022971	0	0	0	2	0	0	3305	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:134025710-134039531	exonic	NUP214	9	134025710	134039531	0	0	0	2	0	0	13821	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:134501308-134504641	exonic	RAPGEF1	9	134501308	134504641	0	0	0	2	0	0	3333	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:140605418-140611634	exonic	EHMT1	9	140605418	140611634	0	0	0	2	0	0	6216	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:14087047-14087198	UTR3		9	14087047	14087198	0	0	0	2	0	0	151	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:15468818-15478550	exonic	PSIP1	9	15468818	15478550	0	0	0	2	0	0	9732	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:17388160-17466889	exonic	CNTLN	9	17388160	17466889	0	0	0	2	0	0	78729	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:19086732-19096767	exonic	HAUS6	9	19086732	19096767	0	0	0	2	0	0	10035	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:2028986-2088613	exonic	SMARCA2	9	2028986	2088613	0	0	0	2	0	0	59627	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:2170418-2186228	exonic	SMARCA2	9	2170418	2186228	0	0	0	2	0	0	15810	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:2385610-2425540	intergenic	SMARCA2(41st-191987), YLDR-AS1(41st-110115)	9	2385610	2425540	0	0	0	2	0	0	39930	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:26978126-27018685	exonic	IFT74, LRRC19	9	26978126	27018685	0	0	0	2	0	0	40559	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:27168492-27173360	exonic	TEK	9	27168492	27173360	0	0	0	2	0	0	4868	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:27168492-27203117	exonic	TEK	9	27168492	27203117	0	0	0	2	0	0	34625	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:27180237-27192621	exonic	TEK	9	27180237	27192621	0	0	0	2	0	0	12384	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:2804257-2824815	exonic	PUM3	9	2804257	2824815	0	0	0	2	0	0	20558	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:286460-304704	exonic	DOCK8	9	286460	304704	0	0	0	2	0	0	18244	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:33971648-33996331	exonic	UBAP2	9	33971648	33996331	0	0	0	2	0	0	24683	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:36369715-36376124	exonic	RNF38	9	36369715	36376124	0	0	0	2	0	0	6409	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:4629091-4646528	exonic	SPATA6L	9	4629091	4646528	0	0	0	2	0	0	17437	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:4728494-4729120	intronic	AK3	9	4728494	4729120	0	0	0	2	0	0	626	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:5920544-5923309	exonic	KIAA2026	9	5920544	5923309	0	0	0	2	0	0	2765	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:6250473-6251265	exonic	IL33	9	6250473	6251265	0	0	0	2	0	0	792	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chr9:74975025-74975703	exonic	ZFAND5		9	74975025	74975703	0	0	0	2	0	0	678	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:77710890-77714667	intronic	OSTF1		9	77710890	77714667	0	0	0	2	0	0	3777	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:78710805-78722267	exonic	PCSK5		9	78710805	78722267	0	0	0	2	0	0	11462	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:86354616-86421475	exonic	GKAP1		9	86354616	86421475	0	0	0	2	0	0	66859	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:86586796-86589504	exonic	HNRNPK		9	86586796	86589504	0	0	0	2	0	0	2708	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:88190229-88207619	exonic	AGTPBP1		9	88190229	88207619	0	0	0	2	0	0	17390	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:88190229-88211364	exonic	AGTPBP1		9	88190229	88211364	0	0	0	2	0	0	21135	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:90252858-90273042	exonic	DAPK1		9	90252858	90273042	0	0	0	2	0	0	20184	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:91723963-91727541	exonic	SHC3		9	91723963	91727541	0	0	0	2	0	0	3578	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr9:99932889-99941822	intergenic	<small>GSZL192(d11+88662)_LOC100499484(d11+5888)</small>		9	99932889	99941822	0	0	0	2	0	0	8933	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:107372010-107393527	exonic	ATG4A	X		107372010	107393527	0	0	0	2	0	0	21517	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:117700536-117712610	exonic	DOCK11	X		117700536	117712610	0	0	0	2	0	0	12074	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:122744769-122748040	exonic	THOC2	X		122744769	122748040	0	0	0	2	0	0	3271	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:122819952-122820113	intronic	THOC2	X		122819952	122820113	0	0	0	2	0	0	161	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:129053150-129055563	exonic	UTP14A	X		129053150	129055563	0	0	0	2	0	0	2413	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:135304551-135326954	exonic	MAP7D3	X		135304551	135326954	0	0	0	2	0	0	22403	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:13767545-13773361	exonic	OFD1	X		13767545	13773361	0	0	0	2	0	0	5816	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:1483996-1486983	exonic	IL3RA	X		1483996	1486983	0	0	0	2	0	0	2987	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:1502135-1502736	downstream	IL3RA (dist=553)	X		1502135	1502736	0	0	0	2	0	0	601	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:15782700-15793431	exonic	CA5B	X		15782700	15793431	0	0	0	2	0	0	10731	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:16685636-16721064	exonic	CTPS2	X		16685636	16721064	0	0	0	2	0	0	35428	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:18323091-18352215	exonic	SCML2	X		18323091	18352215	0	0	0	2	0	0	29124	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:18525054-18528974	exonic	CDKL5	X		18525054	18528974	0	0	0	2	0	0	3920	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:19626056-19764559	exonic	SH3KBP1	X		19626056	19764559	0	0	0	2	0	0	138503	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:19760355-19761429	intronic	SH3KBP1	X		19760355	19761429	0	0	0	2	0	0	1074	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:200833-208321	exonic	PLCXD1	X		200833	208321	0	0	0	2	0	0	7488	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:20187519-20195202	exonic	RPS6KA3	X		20187519	20195202	0	0	0	2	0	0	7683	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:22237152-22245728	exonic	PHEX	X		22237152	22245728	0	0	0	2	0	0	8576	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:30870894-30889918	exonic	TAB3	X		30870894	30889918	0	0	0	2	0	0	19024	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:32456357-32466755	exonic	DMD	X		32456357	32466755	0	0	0	2	0	0	10398	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:46844284-46857679	exonic	JADE3	X		46844284	46857679	0	0	0	2	0	0	13395	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:53426510-53430825	exonic	SMC1A	X		53426510	53430825	0	0	0	2	0	0	4315	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:53430497-53432323	exonic	SMC1A	X		53430497	53432323	0	0	0	2	0	0	1826	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:67454328-67518938	exonic	OPHN1	X		67454328	67518938	0	0	0	2	0	0	64610	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:71708783-71715118	exonic	HDAC8	X		71708783	71715118	0	0	0	2	0	0	6335	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924

chrX:74318776-74334669	exonic	ABCB7	X	74318776	74334669	0	0	0	2	0	0	15893	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:76872080-76912143	exonic	ATRX	X	76872080	76912143	0	0	0	2	0	0	40063	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:77126305-77135110	exonic	MAGT1	X	77126305	77135110	0	0	0	2	0	0	8805	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:8553307-8591711	exonic	ANOS1	X	8553307	8591711	0	0	0	2	0	0	38404	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:9841691-9866330	exonic	SHROOM2	X	9841691	9866330	0	0	0	2	0	0	24639	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrX:9862397-9866330	exonic	SHROOM2	X	9862397	9866330	0	0	0	2	0	0	3933	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrY:14510475-14519108	ncRNA_exonic	GYG2P1	Y	14510475	14519108	0	0	0	2	0	0	8633	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrY:14821320-14924987	exonic	USP9Y	Y	14821320	14924987	0	0	0	2	0	0	103667	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrY:14832522-14851563	exonic	USP9Y	Y	14832522	14851563	0	0	0	2	0	0	19041	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrY:21094628-21095361	ncRNA_exonic	TTY14	Y	21094628	21095361	0	0	0	2	0	0	733	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrY:21094629-21100565	ncRNA_exonic	TTY14	Y	21094629	21100565	0	0	0	2	0	0	5936	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chrY:4898939-4968748	exonic	PCDH11Y	Y	4898939	4968748	0	0	0	2	0	0	69809	0.21262277	-1.55080501	4.038815656	-0.38397519	0.700996836	0.998252924
chr10:48941193-48943556	ncRNA_exonic	BMS1P5	10	48941193	48943556	0	1	1	1	3	2	2363	1.457375693	-1.548376939	2.17761219	-0.711043475	0.477057296	0.998252924
chr18:19371334-19383975	exonic	MIB1	18	19371334	19383975	2	1	0	6	5	0	12641	1.675255105	-1.541291741	2.11127037	-0.730030489	0.465371548	0.998252924
chr7:75103969-75104454	UTR5	<small>P00121(CM_001099415:c.-33375..-33680del11aa)</small>	7	75103969	75104454	1	0	0	1	1	1	485	0.664544359	-1.538896177	3.04463512	-0.50544519	0.613246186	0.998252924
chr19:32862288-32862640	intronic	ZNF507	19	32862288	32862640	2	0	0	5	2	0	352	1.031585655	-1.538301451	2.740333603	-0.561355541	0.574555186	0.998252924
chr7:91122710-91125916	intergenic	<small>FZD1(dist=224578), MTERF1(dist=376275)</small>	7	91122710	91125916	2	0	0	5	2	0	3206	1.031585655	-1.538301451	2.740333603	-0.561355541	0.574555186	0.998252924
chr7:91752433-91761186	exonic	CYP51A1	7	91752433	91761186	0	1	0	1	1	1	8753	0.709833215	-1.536036102	2.981119895	-0.515254722	0.606375034	0.998252924
chrX:53430497-53430825	exonic	SMC1A	X	53430497	53430825	6	2	0	20	0	4	328	4.481575393	-1.535040479	1.586926834	-0.967303877	0.333392146	0.998252924
chr7:91621471-91632549	exonic	AKAP9	7	91621471	91632549	2	0	0	0	2	2	11078	1.116465947	-1.534959331	2.727016745	-0.562871253	0.573522557	0.998252924
chr17:49067810-49075978	exonic	SPAG9	17	49067810	49075978	0	0	1	1	1	1	8168	0.732826441	-1.534651401	2.951879755	-0.519889538	0.603140568	0.998252924
chr11:129979323-129980556	exonic	APLP2	11	129979323	129980556	1	1	0	8	0	0	1233	1.153753823	-1.529421637	2.706671494	-0.565056247	NA	NA
chr3:32798506-32798766	intronic	CNOT10	3	32798506	32798766	0	3	0	0	0	5	260	2.063920441	-1.529407486	3.845188748	-0.397745751	NA	NA
chr4:48371866-48396670	exonic	SLAIN2	4	48371866	48396670	2	0	3	5	8	3	24804	3.274213089	-1.525562414	1.530636616	-0.996684908	0.318917478	0.998252924
chr11:118656760-118657227	exonic	DDX6	11	118656760	118657227	0	2	2	5	12	0	467	2.726975637	-1.521393476	1.800264717	-0.845094314	0.398058183	0.998252924
chr9:140705912-140712590	exonic	EHMT1	9	140705912	140712590	3	0	0	3	0	3	6678	1.63055081	-1.517891259	2.363287941	-0.642279441	0.52069176	0.998252924
chr5:38510565-38530768	exonic	LIFR	5	38510565	38530768	2	0	0	6	1	0	20203	1.016869618	-1.513828976	2.78749478	-0.543078677	NA	NA
chr3:138340248-138341258	exonic	FAIM	3	138340248	138341258	0	2	0	2	6	0	1010	1.287338899	-1.51008502	2.543072354	-0.593803404	0.552643612	0.998252924
chr1:46774772-46775988	exonic	UQCRH	1	46774772	46775988	0	0	1	0	4	0	1216	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr1:78167053-78181553	exonic	USP33	1	78167053	78181553	0	0	1	0	4	0	14500	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr12:97303529-97313903	exonic	NEDD1	12	97303529	97313903	0	0	1	0	4	0	10374	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr13:111274562-111276626	exonic	CARKD	13	111274562	111276626	0	0	1	0	4	0	2064	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr15:43690235-43694048	exonic	TUBGCP4	15	43690235	43694048	0	0	1	0	4	0	3813	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr15:75699395-75705386	exonic	SIN3A	15	75699395	75705386	0	0	1	0	4	0	5991	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr20:35684548-35693876	exonic	RBL1	20	35684548	35693876	0	0	1	0	4	0	9328	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA

chr3:169693395-169703653	exonic	SEC62	3	169693395	169703653	3	0	1	0	0	0	10258	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr5:75993811-75997038	exonic	IQGAP2	5	75993811	75997038	0	0	1	0	4	0	3227	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr9:99314077-99327765	exonic	CDC14B	9	99314077	99327765	0	0	1	0	4	0	13688	0.681378713	-1.508839071	3.519717338	-0.428681887	NA	NA
chr15:74963795-74967483	exonic	EDC3	15	74963795	74967483	3	0	0	6	4	0	3688	1.508938826	-1.508257339	2.35430662	-0.640637598	NA	NA
chr5:67522117-67522837	exonic	PIK3R1	5	67522117	67522837	3	0	0	6	4	0	720	1.508938826	-1.508257339	2.35430662	-0.640637598	NA	NA
chr1:176118141-176145143	exonic	RFWD2	1	176118141	176145143	1	0	0	2	0	1	27002	0.649828322	-1.507771875	3.300435804	-0.456840237	0.647785882	0.998252924
chr1:212502476-212519275	exonic	PPP2R5A	1	212502476	212519275	1	0	0	2	0	1	16799	0.649828322	-1.507771875	3.300435804	-0.456840237	0.647785882	0.998252924
chr16:19775169-19775434	exonic	IQCK	16	19775169	19775434	1	0	0	2	0	1	265	0.649828322	-1.507771875	3.300435804	-0.456840237	0.647785882	0.998252924
chr20:34309661-34320057	exonic	RBM39	20	34309661	34320057	1	0	0	2	0	1	10396	0.649828322	-1.507771875	3.300435804	-0.456840237	0.647785882	0.998252924
chr4:148827788-148867855	exonic	ARHGAP10	4	148827788	148867855	1	0	0	2	0	1	40067	0.649828322	-1.507771875	3.300435804	-0.456840237	0.647785882	0.998252924
chr9:20819794-20823114	exonic	FOCAD	9	20819794	20823114	1	4	0	2	17	0	3320	3.09617908	-1.507697342	1.805124054	-0.835231982	NA	NA
chr11:128993340-128994789	exonic	ARHGAP32	11	128993340	128994789	0	1	0	0	4	0	1449	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr11:77830227-77838482	exonic	ALG8	11	77830227	77838482	0	1	0	0	4	0	8255	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr14:73614502-73640415	exonic	PSEN1	14	73614502	73640415	0	1	0	0	4	0	25913	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr16:18846213-18858929	exonic	SMG1	16	18846213	18858929	0	1	0	2	0	0	12716	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr18:12999419-13073184	exonic	CEP192	18	12999419	13073184	0	1	0	0	4	0	73765	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr22:26063705-26091181	exonic	ADRBK2	22	26063705	26091181	0	1	0	0	4	0	27476	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr4:128998942-129003460	exonic	LARP1B	4	128998942	129003460	0	1	0	0	4	0	4518	0.658385486	-1.50760971	3.563302144	-0.423093425	NA	NA
chr1:146747016-146757164	exonic	CHD1L	1	146747016	146757164	3	1	2	3	8	5	10148	3.784021252	-1.507609239	1.399660523	-1.077124928	0.281424458	0.998252924
chr15:22835915-22842183	exonic	TUBGCP5	15	22835915	22842183	0	1	0	2	0	1	6268	0.695117178	-1.505149194	3.224789136	-0.466743446	0.640683442	0.998252924
chr3:61975298-61989171	exonic	PTPRG	3	61975298	61989171	0	1	0	2	0	1	13873	0.695117178	-1.505149194	3.224789136	-0.466743446	0.640683442	0.998252924
chr5:167986036-167991070	exonic	PANK3	5	167986036	167991070	0	1	0	2	0	1	5034	0.695117178	-1.505149194	3.224789136	-0.466743446	0.640683442	0.998252924
chr14:38222303-38266152	exonic	TTC6	14	38222303	38266152	1	0	0	0	4	0	43849	0.61309663	-1.505084027	3.657719023	-0.411481587	NA	NA
chr2:73761950-73800551	exonic	ALMS1	2	73761950	73800551	1	0	0	0	4	0	38601	0.61309663	-1.505084027	3.657719023	-0.411481587	NA	NA
chr3:52794810-52797640	exonic	NEK4	3	52794810	52797640	1	0	0	0	4	0	2830	0.61309663	-1.505084027	3.657719023	-0.411481587	NA	NA
chr4:143094784-143114348	exonic	INPP4B	4	143094784	143114348	1	0	0	0	4	0	19564	0.61309663	-1.505084027	3.657719023	-0.411481587	NA	NA
chr4:95494501-95539342	exonic	PDLIM5	4	95494501	95539342	1	0	0	0	4	0	44841	0.61309663	-1.505084027	3.657719023	-0.411481587	NA	NA
chr6:13579682-13601181	exonic	SIRT5	6	13579682	13601181	1	0	0	0	4	0	21499	0.61309663	-1.505084027	3.657719023	-0.411481587	NA	NA
chr15:91029261-91035943	exonic	IQGAP1	15	91029261	91035943	0	0	2	5	4	0	6682	1.410204664	-1.504018777	2.441106264	-0.616121797	0.537814137	0.998252924
chr10:46135263-46159290	exonic	ZFAND4	10	46135263	46159290	0	0	1	2	0	1	24027	0.718110405	-1.503873951	3.189927604	-0.47144454	0.637323316	0.998252924
chr14:68151731-68157138	exonic	RDH11	14	68151731	68157138	0	0	1	2	0	1	5407	0.718110405	-1.503873951	3.189927604	-0.47144454	0.637323316	0.998252924
chr3:15253610-15265068	exonic	CAPN7	3	15253610	15265068	0	0	1	2	0	1	11458	0.718110405	-1.503873951	3.189927604	-0.47144454	0.637323316	0.998252924
chr3:57832923-57857425	exonic	SLMAP	3	57832923	57857425	0	0	1	2	0	1	24502	0.718110405	-1.503873951	3.189927604	-0.47144454	0.637323316	0.998252924
chr6:168271062-168281197	exonic	MLLT4	6	168271062	168281197	0	0	1	2	0	1	10135	0.718110405	-1.503873951	3.189927604	-0.47144454	0.637323316	0.998252924
chr9:127074787-127089724	exonic	NEK6	9	127074787	127089724	0	0	1	2	0	1	14937	0.718110405	-1.503873951	3.189927604	-0.47144454	0.637323316	0.998252924

chr15:83481854-83488240	exonic	WHAMM	15	83481854	83488240	2	0	1	1	3	3	6386	1.849292388	-1.503774186	1.979045197	-0.759848329	0.44734525	0.998252924
chr9:115030328-115060196	exonic	PTBP3	9	115030328	115060196	1	3	1	0	10	4	29868	3.292232019	-1.50355941	1.659641524	-0.905954321	NA	NA
chr18:8076452-8088849	exonic	PTPRM	18	8076452	8088849	5	2	2	20	5	4	12397	5.35226361	-1.503050243	1.205083234	-1.247258447	0.212302748	0.998252924
chr8:56854413-56866543	exonic	LYN	8	56854413	56866543	3	0	0	7	3	0	12130	1.49422279	-1.491627301	2.370043864	-0.62936696	0.529108844	0.998252924
chr4:83787960-83788469	exonic	SEC31A	4	83787960	83788469	1	1	0	1	6	0	509	1.135738658	-1.491289177	2.51928214	-0.591950045	NA	NA
chr8:19221582-19231171	exonic	SH2D4A	8	19221582	19231171	0	2	0	3	5	0	9589	1.272622863	-1.490407374	2.536169795	-0.587660723	0.556760044	0.998252924
chr20:31376659-31380576	exonic	DNMT3B	20	31376659	31380576	2	0	0	1	1	2	3917	1.10174991	-1.487402172	2.565744537	-0.579715615	0.562106411	0.998252924
chr19:41089303-41089623	exonic	SHKBP1	19	41089303	41089623	2	0	0	7	0	0	320	1.002153582	-1.487107673	3.0512435	-0.48737758	NA	NA
chr2:220431551-220433046	exonic	OBSL1	2	220431551	220433046	2	0	0	7	0	0	1495	1.002153582	-1.487107673	3.0512435	-0.48737758	NA	NA
chr4:16587544-16597498	exonic	LDB2	4	16587544	16597498	2	0	0	7	0	0	9954	1.002153582	-1.487107673	3.0512435	-0.48737758	NA	NA
chr5:31995681-32010588	exonic	PDZD2	5	31995681	32010588	2	0	0	7	0	0	14907	1.002153582	-1.487107673	3.0512435	-0.48737758	NA	NA
chr8:38693679-38696064	exonic	TACC1	8	38693679	38696064	2	0	0	7	0	0	2385	1.002153582	-1.487107673	3.0512435	-0.48737758	NA	NA
chr6:74190397-74191967	exonic	MTO1	6	74190397	74191967	0	0	2	6	3	0	1570	1.395488627	-1.484006639	2.455279476	-0.60441455	0.545568065	0.998252924
chr22:50848988-50849806	intronic	PPP6R2	22	50848988	50849806	2	0	0	2	0	2	818	1.087033873	-1.483622597	2.747741779	-0.539942512	0.589236679	0.998252924
chr7:26245987-26248175	exonic	CBX3	7	26245987	26248175	2	0	0	2	0	2	2188	1.087033873	-1.483622597	2.747741779	-0.539942512	0.589236679	0.998252924
chr8:61707544-61714152	exonic	CHD7	8	61707544	61714152	4	3	0	6	5	6	6608	4.131092241	-1.479798721	1.410167897	-1.049377684	0.294004325	0.998252924
chr10:76602357-76603236	exonic	KAT6B	10	76602357	76603236	0	0	1	1	3	0	879	0.666662676	-1.478775241	3.248154698	-0.45526626	0.648917696	0.998252924
chr4:152053482-152056284	exonic	SH3D19	4	152053482	152056284	7	0	0	21	0	1	2802	3.443666296	-1.478404896	2.994925824	-0.493636565	NA	NA
chr21:47746290-47787054	exonic	PCNT	21	47746290	47787054	0	1	0	1	3	0	40764	0.64366945	-1.477256774	3.287593036	-0.449342956	0.653184275	0.998252924
chr3:113060590-113085156	exonic	CFAP44	3	113060590	113085156	0	1	0	1	3	0	24566	0.64366945	-1.477256774	3.287593036	-0.449342956	0.653184275	0.998252924
chr5:176468126-176471534	exonic	ZNF346	5	176468126	176471534	0	1	0	1	3	0	3408	0.64366945	-1.477256774	3.287593036	-0.449342956	0.653184275	0.998252924
chr9:96277948-96278551	exonic	FAM120A	9	96277948	96278551	0	1	0	1	3	0	603	0.64366945	-1.477256774	3.287593036	-0.449342956	0.653184275	0.998252924
chr1:213302869-213349835	exonic	RPS6KC1	1	213302869	213349835	1	0	0	1	3	0	46966	0.598380593	-1.474115328	3.373524601	-0.436965934	0.662136054	0.998252924
chr2:63711737-63720074	exonic	WDPCP	2	63711737	63720074	1	0	0	1	3	0	8337	0.598380593	-1.474115328	3.373524601	-0.436965934	0.662136054	0.998252924
chr4:38022211-38029500	exonic	TBC1D1	4	38022211	38029500	1	0	0	1	3	0	7289	0.598380593	-1.474115328	3.373524601	-0.436965934	0.662136054	0.998252924
chr7:80418621-80435074	exonic	SEMA3C	7	80418621	80435074	1	0	0	1	3	0	16453	0.598380593	-1.474115328	3.373524601	-0.436965934	0.662136054	0.998252924
chr9:125719289-125761045	exonic	RABGAP1	9	125719289	125761045	1	0	0	1	3	0	41756	0.598380593	-1.474115328	3.373524601	-0.436965934	0.662136054	0.998252924
chr9:39165929-39178357	exonic	CNTNAP3	9	39165929	39178357	1	0	0	1	3	0	12428	0.598380593	-1.474115328	3.373524601	-0.436965934	0.662136054	0.998252924
chr9:114332370-114348445	exonic	PTGR1, ZNF483	9	114332370	114348445	1	2	0	12	0	0	16075	1.753275163	-1.470514424	2.334008694	-0.630038109	NA	NA
chr4:82377804-82380668	exonic	RASGEF1B	4	82377804	82380668	1	1	0	2	5	0	2864	1.121022621	-1.469769345	2.493527899	-0.589433688	0.555570384	0.998252924
chr5:76745584-76760634	exonic	WDR41	5	76745584	76760634	4	1	0	10	7	0	15050	2.600529374	-1.46944956	1.80470683	-0.814231728	0.415512213	0.998252924
chr12:45771835-45784281	exonic	ANO6	12	45771835	45784281	0	2	0	6	0	1	12446	1.294638518	-1.468616455	2.582017642	-0.568786375	0.569501122	0.998252924
chr1:211526580-211527809	exonic	TRAF5	1	211526580	211527809	2	3	0	10	4	2	1229	2.944462039	-1.465081972	1.587144712	-0.923092873	0.355958808	0.998252924
chr15:59204761-59205895	exonic	SLTM	15	59204761	59205895	5	0	3	7	10	5	1134	4.732288748	-1.461341782	1.326985249	-1.101249455	0.270788103	0.998252924
chr15:93543741-93558139	exonic	CHD2	15	93543741	93558139	4	2	0	8	8	2	14398	3.299647042	-1.459348191	1.503280133	-0.970775944	0.331659864	0.998252924

chr14:24640043-24640588	upstream	REC8(dist=646)	14	24640043	24640588	2	3	0	6	3	4	545	3.014626294	-1.448482179	1.586896012	-0.912776999	0.361359838	0.998252924
chr2:230723487-230725247	exonic	TRIP12	2	230723487	230725247	2	0	1	3	3	2	1760	1.75369655	-1.447591574	1.953835581	-0.740897335	0.458755692	0.998252924
chr13:114806475-114839312	exonic	RASA3	13	114806475	114839312	2	1	0	3	7	0	32837	1.598375793	-1.447398855	2.159878739	-0.670129683	0.502775124	0.998252924
chr1:160293220-160302347	exonic	COPA	1	160293220	160302347	5	0	1	12	6	1	9127	3.152323501	-1.442812412	1.59219928	-0.906175772	0.364842825	0.998252924
chrX:153924191-153928334	exonic	GAB3	X	153924191	153928334	3	0	0	10	0	0	4143	1.45007468	-1.441915366	2.667350024	-0.540579734	NA	NA
chr17:19823348-19871774	exonic	AKAP10	17	19823348	19871774	2	0	0	0	6	0	48426	0.984138416	-1.439322761	3.076234767	-0.467884563	NA	NA
chr5:137904613-137906830	exonic	HSPA9	5	137904613	137906830	2	0	0	0	6	0	2217	0.984138416	-1.439322761	3.076234767	-0.467884563	NA	NA
chr9:35236465-35259047	exonic	UNC13B	9	35236465	35259047	2	0	0	0	6	0	22582	0.984138416	-1.439322761	3.076234767	-0.467884563	NA	NA
chr1:151611363-151611595	exonic	SNX27	1	151611363	151611595	0	0	1	2	2	0	232	0.651946639	-1.43892231	3.253580498	-0.442258094	0.658302452	0.998252924
chr1:93029198-93073284	exonic	EVI5	1	93029198	93073284	0	0	1	2	2	0	44086	0.651946639	-1.43892231	3.253580498	-0.442258094	0.658302452	0.998252924
chr4:129857809-129891623	exonic	SCLT1	4	129857809	129891623	0	0	1	2	2	0	33814	0.651946639	-1.43892231	3.253580498	-0.442258094	0.658302452	0.998252924
chr5:38489179-38530768	exonic	LIFR	5	38489179	38530768	0	0	1	3	2	0	41589	0.651946639	-1.43892231	3.253580498	-0.442258094	0.658302452	0.998252924
chr2:88093149-88093712	exonic	RGPD1, RGPD2	2	88093149	88093712	1	0	1	0	7	0	563	1.173447921	-1.437875356	2.695969139	-0.533342662	NA	NA
chr1:180366650-180382606	exonic	ACBD6	1	180366650	180382606	0	1	0	2	2	0	15956	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr10:121663595-121668642	exonic	SEC23IP	10	121663595	121668642	0	1	0	2	2	0	5047	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr11:9462001-9463744	exonic	IPO7	11	9462001	9463744	0	1	0	2	2	0	1743	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr12:133428203-133438220	exonic	CHFR	12	133428203	133438220	0	1	0	2	2	0	10017	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr15:93467550-93518180	exonic	CHD2	15	93467550	93518180	0	1	0	2	2	0	50630	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr17:4856089-4857140	exonic	ENO3	17	4856089	4857140	0	1	0	2	2	0	1051	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr2:128750760-128754065	exonic	SAPI30	2	128750760	128754065	0	1	0	2	2	0	3305	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr6:107824860-107854814	exonic	SOBP	6	107824860	107854814	0	1	0	2	2	0	29954	0.628953413	-1.437205492	3.294544112	-0.436238048	0.662664025	0.998252924
chr20:2967410-2969120	exonic	PTPRA	20	2967410	2969120	1	1	0	5	0	1	1710	1.143038276	-1.436874047	2.522543814	-0.569613118	0.568940129	0.998252924
chr3:9792628-9793633	exonic	OGG1	3	9792628	9793633	3	1	0	13	1	0	1005	2.064312056	-1.434645241	2.03872466	-0.703697399	NA	NA
chr1:204082042-204093985	exonic	SOX13	1	204082042	204093985	1	0	0	2	2	0	11943	0.583664557	-1.433656266	3.38393179	-0.423665829	0.671809539	0.998252924
chr2:120684173-120692534	exonic	PTPN4	2	120684173	120692534	1	0	0	2	2	0	8361	0.583664557	-1.433656266	3.38393179	-0.423665829	0.671809539	0.998252924
chr3:30686238-30691952	exonic	TGFBR2	3	30686238	30691952	1	0	0	2	2	0	5714	0.583664557	-1.433656266	3.38393179	-0.423665829	0.671809539	0.998252924
chr5:86627164-86633908	exonic	RASA1	5	86627164	86633908	1	0	0	2	2	0	6744	0.583664557	-1.433656266	3.38393179	-0.423665829	0.671809539	0.998252924
chr8:106431371-106573709	exonic	ZFPM2	8	106431371	106573709	1	0	0	2	2	0	142338	0.583664557	-1.433656266	3.38393179	-0.423665829	0.671809539	0.998252924
chr8:124346117-124348772	exonic	ATAD2	8	124346117	124348772	1	0	0	2	2	0	2655	0.583664557	-1.433656266	3.38393179	-0.423665829	0.671809539	0.998252924
chr1:204085634-204086835	exonic	SOX13	1	204085634	204086835	0	2	0	6	2	0	1201	1.228474753	-1.425805241	2.576846663	-0.553313964	0.580048441	0.998252924
chr22:30374430-30394846	exonic	MTMR3	22	30374430	30394846	0	2	0	6	2	0	20416	1.228474753	-1.425805241	2.576846663	-0.553313964	0.580048441	0.998252924
chr10:70246900-70253327	exonic	SLC25A16	10	70246900	70253327	1	1	0	4	3	0	6427	1.091590548	-1.424137509	2.499326002	-0.569808624	0.568807506	0.998252924
chr11:93523739-93527201	exonic	MED17	11	93523739	93527201	2	0	0	2	2	1	3462	1.020870108	-1.422655913	2.575672377	-0.552343507	0.580713028	0.998252924
chr16:66642211-66643906	exonic	CMTM3	16	66642211	66643906	2	0	0	2	2	1	1695	1.020870108	-1.422655913	2.575672377	-0.552343507	0.580713028	0.998252924
chr4:76885287-76903190	exonic	SDAD1	4	76885287	76903190	1	0	2	0	2	4	17903	1.998454273	-1.419750333	2.101104583	-0.675716166	0.49922087	0.998252924

chr4:39739039-39757359	exonic	UBE2K	4	39739039	39757359	1	0	2	1	10	0	18320	1.840110597	-1.418808596	2.13550628	-0.664389803	NA	NA
chr14:45478115-45501579	exonic	FAM179B	14	45478115	45501579	1	2	0	3	1	3	23464	1.842155945	-1.418005932	1.977659677	-0.717012107	0.473366626	0.998252924
chr15:94983404-95001475	exonic	MCTP2	15	94983404	95001475	4	0	0	5	5	1	18071	1.960860415	-1.415724668	1.98999237	-0.711422159	NA	NA
chr8:17611225-17613470	exonic	MTUS1	8	17611225	17613470	6	0	0	2	11	2	2245	2.934283284	-1.404116729	1.770881032	-0.792891619	0.42784097	0.998252924
chr12:121220457-121222396	exonic	SPPL3	12	121220457	121222396	9	2	4	13	24	6	1939	8.434527968	-1.402370579	1.009757013	-1.388819846	0.164887539	0.998252924
chr13:41482295-41488241	ncRNA_exonic	SUGTIP3	13	41482295	41488241	0	0	2	0	8	0	5946	1.362757425	-1.401163628	2.753503705	-0.508865714	NA	NA
chr12:66597490-66611015	exonic	IRAK3	12	66597490	66611015	2	0	3	15	2	1	13525	2.994725192	-1.400902691	1.659260174	-0.844293567	NA	NA
chr7:131113791-131130662	exonic	MKLN1	7	131113791	131130662	1	1	0	5	2	0	16871	1.076874511	-1.400122143	2.520976873	-0.55538873	0.5786288	0.998252924
chr7:17929985-17937069	exonic	SNX13	7	17929985	17937069	0	0	2	1	7	0	7084	1.348041389	-1.399532969	2.541139955	-0.550750054	NA	NA
chr20:33077070-33080402	exonic	ITCH	20	33077070	33080402	2	0	0	3	1	1	3332	1.006154072	-1.397650206	2.606080854	-0.53630347	0.591748833	0.998252924
chr6:74432973-74446231	exonic	CD109	6	74432973	74446231	0	0	2	4	2	1	13258	1.370057044	-1.396647283	2.315465748	-0.60318201	0.546387614	0.998252924
chr11:89088129-89135710	exonic	NOX4	11	89088129	89135710	0	0	1	3	1	0	47581	0.637230603	-1.396243976	3.299981642	-0.423106589	0.672217495	0.998252924
chr13:72131155-72147144	exonic	DACH1	13	72131155	72147144	0	0	1	3	1	0	15989	0.637230603	-1.396243976	3.299981642	-0.423106589	0.672217495	0.998252924
chr4:170398274-170429482	exonic	NEK1	4	170398274	170429482	0	0	1	3	1	0	31208	0.637230603	-1.396243976	3.299981642	-0.423106589	0.672217495	0.998252924
chr12:121002874-121004783	exonic	RNF10	12	121002874	121004783	0	1	0	3	1	0	1909	0.614237376	-1.394376775	3.342363057	-0.417182919	0.676544618	0.998252924
chr2:242343242-242352836	exonic	FARP2	2	242343242	242352836	0	1	0	3	1	0	9594	0.614237376	-1.394376775	3.342363057	-0.417182919	0.676544618	0.998252924
chr3:69336902-69362668	exonic	FRMD4B	3	69336902	69362668	0	1	0	3	1	0	25766	0.614237376	-1.394376775	3.342363057	-0.417182919	0.676544618	0.998252924
chr5:14304569-14336836	exonic	TRIO	5	14304569	14336836	0	1	0	3	1	0	32267	0.614237376	-1.394376775	3.342363057	-0.417182919	0.676544618	0.998252924
chr6:88265125-88279308	exonic	RARS2	6	88265125	88279308	0	1	0	3	1	0	14183	0.614237376	-1.394376775	3.342363057	-0.417182919	0.676544618	0.998252924
chrX:117575330-117578457	exonic	WDR44	X	117575330	117578457	0	1	0	3	1	0	3127	0.614237376	-1.394376775	3.342363057	-0.417182919	0.676544618	0.998252924
chr10:32306070-32308887	exonic	KIF5B	10	32306070	32308887	1	0	0	3	1	0	2817	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr11:108106396-108117854	exonic	ATM	11	108106396	108117854	1	0	0	3	1	0	11458	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr11:68334481-68350597	exonic	PPP6R3	11	68334481	68350597	1	0	0	3	1	0	16116	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr13:99061591-99076904	exonic	FARP1	13	99061591	99076904	1	0	0	3	1	0	15313	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr15:43120125-43170882	exonic	TTBK2	15	43120125	43170882	1	0	0	3	1	0	50757	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr16:14680174-14711507	exonic	PARN	16	14680174	14711507	1	0	0	3	1	0	31333	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr17:58342772-58372162	exonic	USP32	17	58342772	58372162	1	0	0	3	1	0	29390	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr21:32554737-32575328	exonic	TIAM1	21	32554737	32575328	1	0	0	3	1	0	20591	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr7:12263851-12269445	exonic	TMEM106B	7	12263851	12269445	1	0	0	3	1	0	5594	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr9:135171258-135187243	exonic	SETX	9	135171258	135187243	1	0	0	3	1	0	15985	0.56894852	-1.390516797	3.434970508	-0.404811859	0.685615811	0.998252924
chr7:104714065-104722244	exonic	KMT2E	7	104714065	104722244	3	0	1	4	0	4	8179	2.24234983	-1.387215473	1.976982043	-0.701683396	0.48287663	0.998252924
chr11:101374754-101375529	exonic	TRPC6	11	101374754	101375529	2	0	0	2	4	0	775	0.954706343	-1.386123901	2.817969671	-0.491887445	0.622798915	0.998252924
chr15:77020935-77057979	exonic	SCAPER	15	77020935	77057979	2	0	0	2	4	0	37044	0.954706343	-1.386123901	2.817969671	-0.491887445	0.622798915	0.998252924
chr17:35936438-35945538	exonic	SYNRG	17	35936438	35945538	2	0	0	2	4	0	9100	0.954706343	-1.386123901	2.817969671	-0.491887445	0.622798915	0.998252924
chr6:18256591-18258636	exonic	DEK	6	18256591	18258636	2	0	0	2	4	0	2045	0.954706343	-1.386123901	2.817969671	-0.491887445	0.622798915	0.998252924

chr10:35805450-35819171	exonic	CCNY	10	35805450	35819171	0	0	2	2	6	0	13721	1.333325352	-1.382586238	2.511976149	-0.550397837	0.582046532	0.998252924
chr7:128218007-128278951	intergenic	METTL2B(dist=75029), LINC01000(dist=2344)	7	128218007	128278951	0	2	0	3	0	2	60944	1.283922971	-1.380173443	2.580898648	-0.534764681	0.592812588	0.998252924
chr21:34804483-34805178	exonic	IFNGR2	21	34804483	34805178	5	1	3	9	19	1	695	4.975559679	-1.372947421	1.285378117	-1.068127272	0.285463106	0.998252924
chr17:80828099-80858607	exonic	TBCD	17	80828099	80858607	1	1	0	0	2	2	30508	1.161754803	-1.370871981	2.519884253	-0.544021806	0.586426468	0.998252924
chr19:334399-336173	exonic	MIER2	19	334399	336173	3	0	0	5	4	0	1774	1.402627441	-1.369566381	2.413620729	-0.567432308	NA	NA
chr11:68334481-68343511	exonic	PPP6R3	11	68334481	68343511	0	3	0	6	3	1	9030	1.831996582	-1.369087095	2.064185691	-0.66325772	NA	NA
chr16:89582198-89582881	intronic	SPG7	16	89582198	89582881	0	0	3	0	0	5	683	2.132900121	-1.365575106	3.835911579	-0.355997545	NA	NA
chr16:88694029-88695262	exonic	ZC3H18	16	88694029	88695262	2	1	0	8	2	0	1233	1.524795609	-1.364799352	2.204466108	-0.619106525	0.535846185	0.998252924
chr7:76713204-76728268	intergenic	PMS2P9(dist=30849), CCDC146(dist=23666)	7	76713204	76728268	0	2	0	8	0	0	15064	1.199042679	-1.364775997	2.865247525	-0.476320453	NA	NA
chr16:22142525-22143050	exonic	VWA3A	16	22142525	22143050	4	3	0	25	0	0	525	3.696559797	-1.364559112	2.909913366	-0.468934618	NA	NA
chr1:233313547-233344435	exonic	PCNXL2	1	233313547	233344435	0	0	2	0	1	3	30888	1.440221299	-1.364450077	2.539129755	-0.537369181	NA	NA
chr8:141799572-141813749	exonic	PTK2	8	141799572	141813749	0	2	0	2	3	1	14177	1.232475243	-1.361495769	2.404129992	-0.566315371	0.571179413	0.998252924
chr1:70742447-70781249	exonic	ANKRD13C	1	70742447	70781249	2	0	0	3	3	0	38802	0.939990306	-1.359183507	2.823820193	-0.481327923	0.630283455	0.998252924
chr11:77383086-77404656	exonic	RSF1	11	77383086	77404656	2	0	0	3	3	0	21570	0.939990306	-1.359183507	2.823820193	-0.481327923	0.630283455	0.998252924
chr14:33684387-33684793	exonic	NPAS3	14	33684387	33684793	2	0	0	3	3	0	406	0.939990306	-1.359183507	2.823820193	-0.481327923	0.630283455	0.998252924
chr7:103828698-103844682	exonic	ORC5	7	103828698	103844682	1	0	1	4	3	0	15984	1.114583774	-1.358760222	2.480410894	-0.547796426	0.583831693	0.998252924
chr20:40141484-40143591	exonic	CHD6	20	40141484	40143591	0	2	1	6	1	2	2107	1.921153574	-1.355549032	1.939137267	-0.699047486	0.484522355	0.998252924
chr1:87181406-87208119	exonic	SH3GLB1	1	87181406	87208119	0	0	1	4	0	0	26713	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr10:104122231-104123555	exonic	GBF1	10	104122231	104123555	0	0	1	4	0	0	1324	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr17:20910208-20914622	exonic	USP22	17	20910208	20914622	0	0	1	4	0	0	4414	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr19:17273159-17278874	exonic	MYO9B	19	17273159	17278874	0	0	1	4	0	0	5715	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr19:325634-336173	exonic	MIER2	19	325634	336173	0	0	1	4	0	0	10539	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr2:170802797-170912094	exonic	UBR3	2	170802797	170912094	0	0	1	4	0	0	109297	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr3:50289531-50295146	exonic	GNAI2	3	50289531	50295146	0	0	1	4	0	0	5615	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr3:71739160-71759635	exonic	EIF4E3	3	71739160	71759635	0	0	1	4	0	0	20475	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr4:62800557-62863983	exonic	ADGRL3	4	62800557	62863983	0	0	1	4	0	0	63426	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr7:63529268-63529987	exonic	ZNF727	7	63529268	63529987	0	0	1	4	0	0	719	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr7:98564663-98565321	exonic	TRRAP	7	98564663	98565321	0	0	1	4	0	0	658	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr8:124383909-124392917	exonic	ATAD2	8	124383909	124392917	0	0	1	4	0	0	9008	0.622514566	-1.349330509	3.635819396	-0.371121434	NA	NA
chr5:142416760-142437312	exonic	ARHGAP26	5	142416760	142437312	3	4	6	21	22	2	20552	7.779257763	-1.347953145	1.064783776	-1.265940725	0.205534305	0.998252924
chr1:243456392-243471479	exonic	SDCCAG8	1	243456392	243471479	0	1	0	4	0	0	15087	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr10:15600072-15639298	exonic	ITGA8	10	15600072	15639298	0	1	0	4	0	0	39226	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr13:28771321-28794515	exonic	PAN3	13	28771321	28794515	0	1	0	4	0	0	23194	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr17:19215364-19232960	exonic	EPN2	17	19215364	19232960	0	1	0	4	0	0	17596	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr17:40489452-40490830	exonic	STAT3	17	40489452	40490830	0	1	0	4	0	0	1378	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA

chr17:59988880-60002460	exonic	INTS2	17	59988880	60002460	0	1	0	4	0	0	13580	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr19:52579296-52592255	exonic	ZNF841	19	52579296	52592255	0	1	0	4	0	0	12959	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr22:38889714-38897285	exonic	DDX17	22	38889714	38897285	7	4	4	13	4	0	7571	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr4:170428187-170477246	exonic	NEK1	4	170428187	170477246	0	1	0	4	0	0	49059	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr6:89638703-89650899	exonic	RNGTT	6	89638703	89650899	0	1	0	4	0	0	12196	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr9:109734285-109746690	exonic	ZNF462	9	109734285	109746690	0	1	0	4	0	0	12405	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr9:128112573-128118136	exonic	GAPVD1	9	128112573	128118136	0	1	0	4	0	0	5563	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chrX:117526594-117538407	exonic	WDR44	X	117526594	117538407	0	2	0	3	0	0	11813	0.59952134	-1.347905951	3.686307776	-0.365652038	NA	NA
chr15:30053341-30092905	exonic	TJP1	15	30053341	30092905	0	0	1	4	0	1	39564	1.613952601	-1.347051714	2.216432246	-0.607756775	0.543348802	0.998252924
chr12:116668238-116675510	exonic	MED13L	12	116668238	116675510	0	3	2	8	11	0	7272	3.099158169	-1.347017457	1.704065269	-0.790472925	0.429251628	0.998252924
chr9:33953282-33989124	exonic	UBAP2	9	33953282	33989124	3	3	0	8	5	3	35842	3.290072242	-1.345959328	1.498591234	-0.898149741	0.369105724	0.998252924
chr9:33953282-33996331	exonic	UBAP2	9	33953282	33996331	0	2	4	3	4	2	43049	3.290072242	-1.345959328	1.498591234	-0.898149741	0.369105724	0.998252924
chr8:71550050-71556478	exonic	LACTB2	8	71550050	71556478	4	0	0	0	2	4	6428	1.99087705	-1.345290612	2.230400192	-0.603161091	NA	NA
chr1:110765585-110768800	exonic	KCNC4	1	110765585	110768800	1	0	0	4	0	0	3215	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr1:205588084-205589966	exonic	ELK4	1	205588084	205589966	1	0	0	4	0	0	1882	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr12:112676855-112677831	exonic	HECTD4	12	112676855	112677831	1	0	0	4	0	0	976	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr13:101881743-101944717	exonic	NALCN	13	101881743	101944717	1	0	0	4	0	0	62974	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr14:103434589-103436598	exonic	CDC42BPB	14	103434589	103436598	1	0	0	4	0	0	2009	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr16:23091266-23093878	exonic	USP31	16	23091266	23093878	1	0	0	4	0	0	2612	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr16:28498776-28500707	exonic	CLN3	16	28498776	28500707	1	0	0	4	0	0	1931	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr16:70502751-70503226	exonic	FUK	16	70502751	70503226	1	0	0	4	0	0	475	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr17:37880978-37882106	exonic	ERBB2	17	37880978	37882106	1	0	0	4	0	0	1128	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr17:3955264-3970536	exonic	ZZEF1	17	3955264	3970536	1	0	0	4	0	0	15272	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr17:556530-565135	exonic	VPS53	17	556530	565135	1	0	0	4	0	0	8605	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr19:16790794-16793319	exonic	TMEM38A	19	16790794	16793319	1	0	0	4	0	0	2525	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr2:204231599-204281804	exonic	ABI2	2	204231599	204281804	1	0	0	4	0	0	50205	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr2:218745620-218765235	exonic	TNS1	2	218745620	218765235	1	0	0	4	0	0	19615	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr2:236839408-236877267	exonic	AGAP1	2	236839408	236877267	1	0	0	4	0	0	37859	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr2:32703702-32725176	exonic	BIRC6	2	32703702	32725176	1	0	0	4	0	0	21474	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr2:32703702-32728303	exonic	BIRC6	2	32703702	32728303	3	0	0	0	0	0	24601	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr4:79158663-79176529	exonic	FRAS1	4	79158663	79176529	1	0	0	4	0	0	17866	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr5:122435348-122516017	exonic	PRDM6	5	122435348	122516017	1	0	0	4	0	0	80669	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr5:32087236-32091281	exonic	PDZD2	5	32087236	32091281	1	0	0	4	0	0	4045	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr7:158677254-158698782	exonic	WDR60	7	158677254	158698782	1	0	0	4	0	0	21528	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA
chr8:135521861-135533244	exonic	ZFAT	8	135521861	135533244	1	0	0	4	0	0	11383	0.554232483	-1.344997125	3.796542304	-0.354268968	NA	NA

chr7:73770739-73771807	exonic	CLIP2	7	73770739	73771807	0	0	3	8	2	1	1068	1.99257161	-1.343604885	2.032567639	-0.661038215	NA	NA
chr6:76331247-76357517	exonic	SENP6	6	76331247	76357517	2	1	0	0	0	4	26270	1.66512412	-1.343531393	2.42236171	-0.554636984	NA	NA
chr2:214174782-214228869	exonic	SPAG16	2	214174782	214228869	5	4	1	7	2	3	54087	2.176186064	-1.343437485	1.812250361	-0.74130899	0.458506112	0.998252924
chr17:71231614-71233134	exonic	C17orf80	17	71231614	71233134	4	0	0	3	4	2	1520	1.935428831	-1.342267181	1.994707134	-0.672914413	NA	NA
chr14:91804348-91810001	exonic	CCDC88C	14	91804348	91810001	1	1	0	7	0	0	5653	1.047442438	-1.341791807	2.789721046	-0.480977053	NA	NA
chr5:83356118-83362425	exonic	EDIL3	5	83356118	83362425	1	1	0	7	0	0	6307	1.047442438	-1.341791807	2.789721046	-0.480977053	NA	NA
chr7:131071878-131084192	exonic	MKLN1	7	131071878	131084192	2	1	0	3	2	2	12314	1.609675901	-1.338454391	2.019870973	-0.66264351	0.507558897	0.998252924
chr17:65887959-65890281	exonic	BPTF	17	65887959	65890281	2	0	2	2	9	1	2322	2.262600112	-1.337093109	1.803038423	-0.741577712	NA	NA
chr4:128015566-128027929	intergenic	MIR2054 (dist=1587104), INTU (dist=526158)	4	128015566	128027929	3	0	0	7	2	0	12363	1.373195368	-1.332617906	2.453008083	-0.543258669	0.586951717	0.998252924
chr8:29959413-29962002	exonic	LEPROTL1	8	29959413	29962002	4	2	4	15	15	2	2589	5.680094793	-1.332579731	1.159205991	-1.149562495	0.250324113	0.998252924
chr15:77759436-77764156	exonic	HMG20A	15	77759436	77764156	2	0	0	4	2	0	4720	0.92527427	-1.331676061	2.845499695	-0.467993746	0.639789062	0.998252924
chr3:189710130-189710918	intronic	P3H2	3	189710130	189710918	2	0	0	4	2	0	788	0.92527427	-1.331676061	2.845499695	-0.467993746	0.639789062	0.998252924
chr8:17532694-17542051	exonic	MTUS1	8	17532694	17542051	2	0	0	4	2	0	9357	0.92527427	-1.331676061	2.845499695	-0.467993746	0.639789062	0.998252924
chr8:68930080-68942893	exonic	PREX2	8	68930080	68942893	2	0	0	4	2	0	12813	0.92527427	-1.331676061	2.845499695	-0.467993746	0.639789062	0.998252924
chr8:128902834-128903244	ncRNA_exonic	PVT1	8	128902834	128903244	1	1	3	4	5	4	410	3.158326903	-1.329255529	1.501531407	-0.88526655	0.376012886	0.998252924
chr1:204082042-204083733	exonic	SOX13	1	204082042	204083733	8	3	0	33	3	0	1691	5.426080915	-1.328220554	1.514046389	-0.877265428	NA	NA
chr12:47497896-47501947	UTR5	<small>UC001DK.00201420+...+13951...139996611465_NK_130271...+139951...139986611466</small>	12	47497896	47501947	4	0	3	16	8	0	4051	3.776956384	-1.323649927	1.580503213	-0.837486388	0.402319225	0.998252924
chr2:20507738-20527139	exonic	PUM2	2	20507738	20527139	0	4	0	7	3	2	19401	2.420802375	-1.32329517	1.860510638	-0.711253751	NA	NA
chr11:77394754-77404656	exonic	RSF1	11	77394754	77404656	8	2	4	28	19	0	9902	7.445763041	-1.322309693	1.197659556	-1.104078105	0.269559258	0.998252924
chr5:39201927-39203089	exonic	FYB	5	39201927	39203089	0	0	2	5	3	0	1162	1.289177242	-1.320831918	2.520568314	-0.524021472	0.600263606	0.998252924
chr9:103204187-103204638	exonic	MSANTD3, MSANTD3-TMEFF1	9	103204187	103204638	1	1	0	2	0	2	451	1.13232273	-1.318687519	2.536714726	-0.519840684	0.60317462	0.998252924
chr4:24854693-24878319	exonic	CCDC149	4	24854693	24878319	0	2	0	4	1	1	23626	1.203043169	-1.314592922	2.447474152	-0.53712229	0.591183145	0.998252924
chr7:137586099-137600758	exonic	CREB3L2	7	137586099	137600758	0	2	1	5	6	0	14659	1.80354208	-1.313554442	2.066357284	-0.635686022	0.524981089	0.998252924
chr2:179400458-179407088	exonic	TTN	2	179400458	179407088	5	3	0	20	6	0	6630	4.020154345	-1.312598542	1.561205114	-0.840759828	0.400482496	0.998252924
chr15:83819966-83832827	exonic	HDGFRP3	15	83819966	83832827	0	1	1	3	0	2	12861	1.306916198	-1.31092474	2.407550459	-0.544505613	0.586093587	0.998252924
chr9:111819470-111835718	exonic	TMEM245	9	111819470	111835718	0	1	1	3	0	2	16248	1.306916198	-1.31092474	2.407550459	-0.544505613	0.586093587	0.998252924
chr2:175779785-175816930	exonic	CHN1	2	175779785	175816930	0	1	1	8	0	0	37145	1.222035906	-1.310237167	2.651183896	-0.49420833	NA	NA
chr7:5963017-5963593	exonic	CCZ1	7	5963017	5963593	3	1	0	5	7	0	576	1.939985506	-1.306985871	1.992228988	-0.656041991	0.511797107	0.998252924
chr1:1735857-1737977	exonic	GNB1	1	1735857	1737977	2	0	0	5	1	0	2120	0.910558233	-1.30336844	2.892220844	-0.450646237	NA	NA
chr10:86177526-86237420	exonic	CCSER2	10	86177526	86237420	2	0	0	5	1	0	59894	0.910558233	-1.30336844	2.892220844	-0.450646237	NA	NA
chr13:99061591-99064288	exonic	FARF1	13	99061591	99064288	2	0	0	5	1	0	2697	0.910558233	-1.30336844	2.892220844	-0.450646237	NA	NA
chr15:30058468-30065560	exonic	TJP1	15	30058468	30065560	2	0	0	5	1	0	7092	0.910558233	-1.30336844	2.892220844	-0.450646237	NA	NA
chr2:201994451-202014558	exonic	CFLAR	2	201994451	202014558	0	3	0	8	3	0	20107	2.63224294	-1.297050365	1.810491536	-0.716407859	0.473739543	0.998252924
chr9:114341075-114348445	exonic	PTGR1	9	114341075	114348445	0	0	2	1	2	2	7370	1.359341497	-1.295745606	2.361163729	-0.548774145	0.583160456	0.998252924
chr3:31617887-31621588	exonic	STT3B	3	31617887	31621588	5	2	3	4	12	7	3701	5.620398252	-1.294306527	1.19180613	-1.086004254	0.27747711	0.998252924

chr15:93545406-93558139	exonic	CHD2	15	93545406	93558139	4	2	0	8	8	1	12733	2.991428434	-1.291567352	1.577727053	-0.818625344	0.413000203	0.998252924
chr10:4872867-4951798	exonic	AKR1E2	10	4872867	4951798	6	0	0	7	3	3	78931	2.805839445	-1.286878655	1.753101529	-0.734058259	NA	NA
chrX:147733519-147744289	exonic	AFF2	X	147733519	147744289	5	1	0	11	0	3	10770	2.913291576	-1.282081469	1.804116476	-0.710642293	NA	NA
chr4:120517677-120528452	exonic	PDE5A	4	120517677	120528452	1	1	0	4	2	0	10775	1.584800502	-1.278503821	2.160194416	-0.591846646	0.553953284	0.998252924
chr17:96901-177370	exonic	RPH3AL	17	96901	177370	1	1	0	0	4	4	80469	1.598960355	-1.275643443	2.233308824	-0.5711899	0.567870924	0.998252924
chr9:88437794-88444521	ncRNA_exonic	LOC389765	9	88437794	88444521	0	0	2	0	5	1	6727	1.307893769	-1.273318419	2.578141907	-0.493889966	0.621383891	0.998252924
chr15:68434283-68466230	exonic	PIAS1	15	68434283	68466230	0	0	2	2	1	2	31947	1.344625461	-1.272786072	2.367466951	-0.537615138	0.590842777	0.998252924
chr15:68438153-68466230	exonic	PIAS1	15	68438153	68466230	0	0	2	2	1	2	28077	1.344625461	-1.272786072	2.367466951	-0.537615138	0.590842777	0.998252924
chr1:197552281-197742062	exonic	DENND1B	1	197552281	197742062	2	0	0	6	0	0	189781	0.895842196	-1.271794257	3.171440597	-0.401014687	NA	NA
chr1:197576202-197742062	exonic	DENND1B	1	197576202	197742062	2	0	0	6	0	0	165860	0.895842196	-1.271794257	3.171440597	-0.401014687	NA	NA
chr12:65702308-65762806	exonic	MSRB3	12	65702308	65762806	2	0	0	6	0	0	60498	0.895842196	-1.271794257	3.171440597	-0.401014687	NA	NA
chr14:53622961-53656654	ncRNA_exonic	LOC101927620	14	53622961	53656654	2	0	0	6	0	0	33693	0.895842196	-1.271794257	3.171440597	-0.401014687	NA	NA
chr2:43953410-43965659	exonic	PLEKHH2	2	43953410	43965659	2	0	0	5	0	0	12249	0.895842196	-1.271794257	3.171440597	-0.401014687	NA	NA
chr12:89860546-89866052	exonic	POC1B	12	89860546	89866052	0	2	2	5	7	1	5506	2.430057136	-1.268437655	1.728828351	-0.733697857	0.463132905	0.998252924
chr5:50055476-50059076	exonic	PARP8	5	50055476	50059076	0	0	3	6	1	2	3600	1.967140027	-1.268012848	2.054181618	-0.617283709	NA	NA
chr3:3194139-3215945	exonic	CRBN	3	3194139	3215945	7	3	2	9	7	1	21806	1.118584264	-1.267541628	2.5445372	-0.498142306	0.618383744	0.998252924
chr4:106367539-106377902	exonic	PPA2	4	106367539	106377902	4	0	2	7	7	2	10363	3.118294688	-1.267336661	1.535219132	-0.825508642	0.409082878	0.998252924
chr1:51926762-51930998	exonic	EPS15	1	51926762	51930998	4	0	0	5	6	0	4236	1.773669228	-1.266366493	2.212855624	-0.572277052	NA	NA
chr13:96636058-96651561	exonic	UGGT2	13	96636058	96651561	4	0	4	0	9	7	15503	4.551800931	-1.266363225	1.580147746	-0.801420771	0.422888094	0.998252924
chr11:13435076-13466728	exonic	BTBD10	11	13435076	13466728	3	1	2	16	4	0	31652	3.140866528	-1.260967514	1.595622122	-0.790267004	0.429371852	0.998252924
chr16:19775169-19800244	exonic	IQCK	16	19775169	19800244	2	0	0	1	0	2	25075	0.980722488	-1.259569065	2.874728129	-0.438152412	0.661275802	0.998252924
chr2:62100136-62110683	exonic	CCT4	2	62100136	62110683	2	0	0	1	0	2	10547	0.980722488	-1.259569065	2.874728129	-0.438152412	0.661275802	0.998252924
chr3:58131647-58135954	exonic	FLNB	3	58131647	58135954	2	0	0	1	0	2	4307	0.980722488	-1.259569065	2.874728129	-0.438152412	0.661275802	0.998252924
chr9:79996891-80022523	exonic	VPS13A	9	79996891	80022523	5	0	1	2	6	4	25632	3.013865476	-1.259362768	1.630332841	-0.772457462	0.439843532	0.998252924
chr6:131276244-131277639	exonic	EPB41L2	6	131276244	131277639	25	4	6	110	4	0	1395	17.28375297	-1.259201093	1.832847295	-0.687019097	NA	NA
chr3:142144063-142145683	exonic	XRN1	3	142144063	142145683	3	0	0	2	6	0	1620	1.325748129	-1.255890962	2.486226984	-0.505139302	0.613460999	0.998252924
chr2:39283842-39285945	exonic	SOS1	2	39283842	39285945	1	0	2	3	7	0	2103	1.689651102	-1.254287001	2.123982452	-0.590535482	0.554831705	0.998252924
chr9:33271149-33278223	exonic	CHMP5	9	33271149	33278223	2	3	2	7	7	4	7074	3.999585418	-1.252954535	1.30759827	-0.958210609	0.337956569	0.998252924
chr7:115750762-115752092	intergenic	TFEC (dist=79895), TES (dist=98455)	7	115750762	115752092	0	0	5	0	14	2	1330	3.29716625	-1.251685193	2.948427187	-0.424526405	0.671181953	0.998252924
chr6:42559888-42562042	exonic	UBR2	6	42559888	42562042	6	3	6	15	11	10	2154	8.488521712	-1.248287179	0.992770134	-1.257377853	0.208616845	0.998252924
chr11:85701292-85742653	exonic	PICALM	11	85701292	85742653	18	5	6	12	11	6	41361	1.500341597	-1.246933677	2.201129555	-0.566497176	0.571055852	0.998252924
chrX:119063978-119066179	exonic	NKAP	X	119063978	119066179	3	0	0	4	2	1	2201	1.362479821	-1.244050926	2.285831946	-0.544244264	NA	NA
chr7:30612616-30614497	ncRNA_intronic	LOC401320	7	30612616	30614497	0	3	0	0	3	3	1881	1.810565489	-1.24195293	2.291575956	-0.541964549	0.587842928	0.998252924
chr2:45773870-45780869	exonic	SRBD1	2	45773870	45780869	0	1	1	3	4	0	6999	1.174588667	-1.240778831	2.436718991	-0.509200624	0.610611606	0.998252924
chr4:39875908-39878773	exonic	PDS5A	4	39875908	39878773	0	0	2	2	3	1	2865	1.278461696	-1.23931552	2.374121191	-0.522010218	0.601663216	0.998252924

chr18:18619432-18624147	exonic	ROCK1	18	18619432	18624147	1	0	1	1	3	1	4715	1.103868228	-1.23921846	2.380261292	-0.520622868	0.602629516	0.998252924
chr3:183432931-183446639	exonic	YEATS2	3	183432931	183446639	1	0	1	1	3	1	13708	1.103868228	-1.23921846	2.380261292	-0.520622868	0.602629516	0.998252924
chr1:84644859-84680000	exonic	PRKACB	1	84644859	84680000	2	0	0	0	3	1	35141	0.92927476	-1.237547918	2.899400747	-0.426828861	0.669503984	0.998252924
chr10:99236439-99238146	exonic	MMS19	10	99236439	99238146	2	0	0	0	3	1	1707	0.92927476	-1.237547918	2.899400747	-0.426828861	0.669503984	0.998252924
chr17:16040624-16049862	exonic	NCOR1	17	16040624	16049862	2	0	0	0	3	1	9238	0.92927476	-1.237547918	2.899400747	-0.426828861	0.669503984	0.998252924
chr22:40669428-40681774	exonic	TNRC6B	22	40669428	40681774	2	0	0	0	3	1	12346	0.92927476	-1.237547918	2.899400747	-0.426828861	0.669503984	0.998252924
chr8:126021212-126021585	exonic	SQLE	8	126021212	126021585	2	0	0	0	3	1	373	0.92927476	-1.237547918	2.899400747	-0.426828861	0.669503984	0.998252924
chr9:33293678-33295425	exonic	NFX1	9	33293678	33295425	4	0	0	7	4	0	1747	1.744237154	-1.236232989	2.227466761	-0.554995033	0.578898058	0.998252924
chr11:14793482-14810788	exonic	PDE3B	11	14793482	14810788	3	0	5	19	4	2	17306	4.493769178	-1.236128072	1.411340339	-0.875853994	0.381109413	0.998252924
chr8:17808123-17810695	exonic	PCM1	8	17808123	17810695	0	2	0	0	2	2	2572	1.207043659	-1.233810609	2.649658174	-0.465648973	0.641466782	0.998252924
chr2:55559701-55562300	exonic	CCDC88A	2	55559701	55562300	4	0	2	5	4	4	2599	3.15902687	-1.231565814	1.546624146	-0.796292892	0.425861816	0.998252924
chr8:131370262-131374017	exonic	ASAP1	8	131370262	131374017	4	3	5	16	3	9	3755	6.863152203	-1.225784282	1.135486265	-1.079523654	0.280354355	0.998252924
chr20:50273476-50307358	exonic	ATP9A	20	50273476	50307358	1	1	0	3	3	0	33882	0.985279163	-1.219123304	2.589311789	-0.470829087	0.637762792	0.998252924
chr22:38687035-38687429	UTR3		22	38687035	38687429	5	9	0	7	3	14	394	7.63573939	-1.218575519	1.282132718	-0.950428533	NA	NA
chr19:23541232-23545541	exonic	ZNF91	19	23541232	23545541	0	0	3	0	6	2	4309	1.934408825	-1.215753938	2.237930652	-0.543249156	NA	NA
chr6:137015277-137018525	exonic	MAP3K5	6	137015277	137018525	2	0	2	6	0	3	3248	2.215036074	-1.215362682	1.952695113	-0.622402685	0.533677115	0.998252924
chr9:19356969-19358158	exonic	DENND4C	9	19356969	19358158	3	0	0	4	4	0	1189	1.296316056	-1.215349859	2.482238812	-0.489618425	NA	NA
chr8:142170730-142173528	exonic	DENND3	8	142170730	142173528	0	2	0	6	1	0	2798	1.107447331	-1.214613825	2.70093458	-0.449701312	NA	NA
chr5:170823221-170823744	intronic	NPM1	5	170823221	170823744	2	5	0	0	5	7	523	3.892020252	-1.210731649	1.67950063	-0.72088788	0.4709785	0.998252924
chr2:39564060-39564722	exonic	MAP4K3	2	39564060	39564722	0	0	3	0	11	0	662	1.923108716	-1.207831991	3.839563643	-0.314575328	NA	NA
chr18:8113483-8143777	exonic	PTPRM	18	8113483	8143777	3	4	0	12	5	2	30294	3.581374973	-1.205987737	1.466882698	-0.822143269	0.410995362	0.998252924
chr1:15964801-15970145	exonic	DDI2	1	15964801	15970145	3	1	0	5	4	1	5344	1.885121849	-1.20096635	1.8810681	-0.638449161	0.523181338	0.998252924
chr8:42761315-42805598	exonic	HOOK3	8	42761315	42805598	1	0	0	2	0	0	44283	5.034410744	-1.197614671	1.333331924	-0.898211953	0.369072562	0.998252924
chr10:71243446-71258152	exonic	TSPAN15	10	71243446	71258152	2	0	0	1	2	1	14706	0.914558723	-1.191891998	2.701312038	-0.441227071	0.659048617	0.998252924
chr15:65959786-65962526	exonic	DENND4A	15	65959786	65962526	2	0	0	1	2	1	2740	0.914558723	-1.191891998	2.701312038	-0.441227071	0.659048617	0.998252924
chr5:167915606-167919852	exonic	RARS	5	167915606	167919852	1	1	0	4	2	0	4246	0.970563126	-1.191727591	2.608426574	-0.456876035	0.64776015	0.998252924
chr3:65415194-65416556	exonic	MAGI1	3	65415194	65416556	0	0	2	4	1	1	1362	1.249029622	-1.190718996	2.416474659	-0.492750459	0.62218892	0.998252924
chr19:48180861-48181467	intronic	GLTSCR1	19	48180861	48181467	0	3	0	3	0	3	606	1.766417379	-1.189388126	2.30515269	-0.515969346	0.605875819	0.998252924
chr7:3658711-3681737	exonic	SDK1	7	3658711	3681737	0	5	0	2	14	0	23026	2.778385671	-1.188914453	1.991267934	-0.597064028	NA	NA
chr15:59480316-59510286	exonic	LDHAL6B, MYO1E	15	59480316	59510286	0	2	0	0	4	1	29970	1.140879894	-1.186584991	2.697209022	-0.439930677	0.659987317	0.998252924
chr3:179096129-179109892	exonic	MFN1	3	179096129	179109892	0	3	0	6	4	0	13763	1.644805395	-1.183716787	2.290475577	-0.516799567	NA	NA
chr4:73944358-73958017	exonic	ANKRD17	4	73944358	73958017	0	0	2	2	5	0	13659	1.21229793	-1.183673049	2.590494177	-0.456929438	0.647721764	0.998252924
chr9:125719289-125782738	exonic	RABGAP1	9	125719289	125782738	2	0	0	0	5	0	63449	0.863110995	-1.183624955	3.219406522	-0.367653152	NA	NA
chr10:93902785-93940776	exonic	CPEB3	10	93902785	93940776	0	2	0	2	0	2	37991	1.177611586	-1.181264768	2.667994737	-0.442753785	0.657943835	0.998252924
chr2:73659325-73718625	exonic	ALMS1	2	73659325	73718625	0	2	0	2	2	2	59300	1.177611586	-1.181264768	2.667994737	-0.442753785	0.657943835	0.998252924

chr3:15073885-15076316	exonic	NR2C2	3	15073885	15076316	0	2	0	2	0	2	2431	1.177611586	-1.181264768	2.667994737	-0.442753785	0.657943835	0.998252924
chr9:77611362-77632364	exonic	CARNMT1	9	77611362	77632364	5	1	1	3	3	6	21002	3.547807612	-1.179630225	1.47753484	-0.798377266	NA	NA
chr20:1433137-1438919	exonic	NSFL1C	20	1433137	1438919	0	0	3	7	4	0	5782	1.82009646	-1.178919279	2.219730394	-0.53110922	0.595343095	0.998252924
chr10:131964770-131969900	exonic	GLRX3	10	131964770	131969900	1	0	1	2	4	0	5130	1.022988426	-1.178241026	2.565263697	-0.459306007	0.646014435	0.998252924
chr11:2991032-2993473	exonic	NAP1L4	11	2991032	2993473	0	0	3	0	8	1	2441	1.86824506	-1.178066889	2.287345356	-0.515036737	0.606527349	0.998252924
chr4:148860976-148876525	exonic	ARHGAP10	4	148860976	148876525	0	2	0	7	0	0	15549	1.092731294	-1.174609035	2.954751294	-0.397532286	NA	NA
chr9:2191266-2192802	exonic	SMARCA2	9	2191266	2192802	0	2	0	7	0	0	1536	1.092731294	-1.174609035	2.954751294	-0.397532286	NA	NA
chr8:42812236-42819617	exonic	HOOK3	8	42812236	42819617	7	5	2	6	14	9	7381	7.275045341	-1.173574797	1.079832428	-1.08681196	0.277119921	0.998252924
chr16:16218645-16219768	exonic	ABCC1	16	16218645	16219768	0	4	1	18	0	0	1123	2.807977154	-1.17129322	2.033555369	-0.57598295	NA	NA
chr3:119219541-119232566	exonic	TIMMDC1	3	119219541	119232566	3	4	0	12	9	0	13025	3.449047443	-1.170102372	1.612789259	-0.725514735	0.468136309	0.998252924
chr20:45905057-45916028	exonic	ZMYND8	20	45905057	45916028	3	2	0	5	9	0	10971	2.356316148	-1.16914905	1.841123781	-0.635019254	0.525415858	0.998252924
chr11:309018-314356	exonic	IFITM1, IFITM2	11	309018	314356	3	3	0	6	0	5	5338	3.08874958	-1.167649637	1.748590378	-0.667766248	0.504282814	0.998252924
chr3:136096501-136141886	exonic	STAG1	3	136096501	136141886	4	0	0	0	3	3	45385	1.803685863	-1.16729625	2.275755101	-0.512927006	0.608002382	0.998252924
chr6:138794442-138817508	exonic	NHSL1	6	138794442	138817508	0	3	0	2	3	2	23066	1.714969651	-1.165818399	2.118309501	-0.550353194	NA	NA
chr1:172520651-172539870	exonic	SUCO	1	172520651	172539870	0	1	3	0	2	5	19219	2.549230763	-1.165643654	1.955435618	-0.596104337	NA	NA
chr3:188123899-188242575	exonic	LPP	3	188123899	188242575	1	2	1	1	0	5	118676	2.322211996	-1.164882132	1.916825869	-0.607714112	NA	NA
chr11:72420914-72425366	exonic	ARAP1	11	72420914	72425366	0	0	2	0	0	3	4452	1.319193877	-1.164568367	2.826253397	-0.41205377	NA	NA
chr12:118788588-118789788	intronic	TAOK3	12	118788588	118789788	0	0	2	0	0	3	1200	1.319193877	-1.164568367	2.826253397	-0.41205377	NA	NA
chr17:62526412-62526721	intronic	CEP95	17	62526412	62526721	0	0	2	0	0	3	309	1.319193877	-1.164568367	2.826253397	-0.41205377	NA	NA
chr6:57372287-57398317	exonic	PRIM2	6	57372287	57398317	0	0	2	0	0	3	26030	1.319193877	-1.164568367	2.826253397	-0.41205377	NA	NA
chr8:99538969-99560389	exonic	STK3	8	99538969	99560389	0	0	2	0	0	3	21420	1.319193877	-1.164568367	2.826253397	-0.41205377	NA	NA
chr17:46109521-46111310	exonic	COPZ2	17	46109521	46111310	1	1	0	5	1	0	1789	0.955847089	-1.16275255	2.651817453	-0.438473828	NA	NA
chr6:17825998-17834302	exonic	KIF13A	6	17825998	17834302	1	1	0	5	1	0	8304	0.955847089	-1.16275255	2.651817453	-0.438473828	NA	NA
chr11:111706887-111728460	exonic	ALG9	11	111706887	111728460	0	0	2	3	4	0	21573	1.197581894	-1.161179349	2.58740395	-0.448781625	0.653589195	0.998252924
chr4:83891479-83900159	exonic	LIN54	4	83891479	83900159	0	0	2	3	4	0	8680	1.197581894	-1.161179349	2.58740395	-0.448781625	0.653589195	0.998252924
chr12:46230371-46233279	exonic	ARID2	12	46230371	46233279	2	0	0	2	1	1	2908	0.899842686	-1.16069619	2.713922309	-0.427682173	0.668882531	0.998252924
chr14:104135847-104139768	exonic	KLC1	14	104135847	104139768	0	1	1	0	2	2	3921	1.230036886	-1.159327495	2.469317693	-0.46949305	0.638717251	0.998252924
chr2:201862167-201876195	exonic	FAM126B	2	201862167	201876195	0	1	1	0	2	2	14028	1.230036886	-1.159327495	2.469317693	-0.46949305	0.638717251	0.998252924
chr9:115013208-115060196	exonic	PTBP3	9	115013208	115060196	5	0	0	0	3	4	46988	2.240891415	-1.157322271	2.12886144	-0.543634381	0.586693096	0.998252924
chr11:108055958-108057296	exonic	NPAT	11	108055958	108057296	0	0	1	0	3	0	1338	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr12:110376184-110377052	exonic	GIT2	12	110376184	110377052	0	0	1	0	3	0	868	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr12:57140564-57144979	exonic	PRIM1	12	57140564	57144979	0	0	1	0	3	0	4415	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr12:72163579-72167802	exonic	RAB21	12	72163579	72167802	0	0	1	0	3	0	4223	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr13:103504467-103524748	exonic	BIVM-ERCC5, ERCC5	13	103504467	103524748	0	0	1	0	3	0	20281	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr13:21974511-21995303	exonic	ZDHC20	13	21974511	21995303	0	0	1	0	2	0	20792	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA

chr14:103355896-103369766	exonic	TRAF3	14	103355896	103369766	0	0	1	0	3	0	13870	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr15:74948073-74948409	exonic	EDC3	15	74948073	74948409	0	0	1	0	3	0	336	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr17:67251683-67252424	exonic	ABCA5	17	67251683	67252424	0	0	1	0	3	0	741	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr19:5598803-5604947	exonic	SAFB2	19	5598803	5604947	0	0	1	0	3	0	6144	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr20:34435271-34451322	exonic	PHF20	20	34435271	34451322	0	0	1	0	3	0	16051	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr4:54265896-54319300	exonic	FIP1L1	4	54265896	54319300	0	0	1	0	3	0	53404	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr4:76580249-76581054	exonic	G3BP2	4	76580249	76581054	0	0	1	0	3	0	805	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr6:17669523-17675264	exonic	NUP153	6	17669523	17675264	0	0	1	0	3	0	5741	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr7:101801839-101821937	exonic	CUX1	7	101801839	101821937	0	0	1	0	3	0	20098	0.560351291	-1.156765037	3.785436813	-0.305582973	NA	NA
chr1:155429587-155452240	exonic	ASH1L	1	155429587	155452240	0	1	0	0	3	0	22653	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr1:21220009-21437876	exonic	EIF4G3	1	21220009	21437876	0	1	0	0	3	0	217867	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr12:102301963-102308010	exonic	DRAM1	12	102301963	102308010	0	1	0	0	3	0	6047	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr14:45496501-45497532	exonic	FAM179B	14	45496501	45497532	0	1	0	0	3	0	1031	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr16:16101672-16196574	exonic	ABCC1	16	16101672	16196574	0	1	0	0	3	0	94902	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr17:54925282-54936026	exonic	DGKE	17	54925282	54936026	0	1	0	0	3	0	10744	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr17:81042813-81043199	exonic	METRNL	17	81042813	81043199	0	1	0	0	3	0	386	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr19:18258252-18258434	exonic	MAST3	19	18258252	18258434	0	1	0	0	3	0	182	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr19:3656402-3661999	exonic	PIP5K1C	19	3656402	3661999	0	1	0	0	3	0	5597	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr2:25851039-25861963	exonic	DTNB	2	25851039	25861963	0	1	0	0	3	0	10924	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr2:62100136-62106146	exonic	CCT4	2	62100136	62106146	0	1	0	0	3	0	6010	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr3:113063362-113085156	exonic	CFAP44	3	113063362	113085156	0	1	0	0	3	0	21794	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr3:183435438-183446639	exonic	YEATS2	3	183435438	183446639	0	1	0	0	3	0	11201	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr3:31617887-31641951	exonic	STT3B	3	31617887	31641951	0	1	0	0	3	0	24064	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr6:107419754-107420500	exonic	BEND3	6	107419754	107420500	0	1	0	0	3	0	746	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr6:16522857-16658132	UTR5	<small>UTR5 (NM_006322.4; ENST.00000411446.10; ENST.00000411446.10; ENST.00000411446.10)</small>	6	16522857	16658132	0	1	0	0	3	0	135275	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr7:151960100-151962294	exonic	KMT2C	7	151960100	151962294	0	1	0	0	3	0	2194	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr8:17823507-17868875	exonic	PCM1	8	17823507	17868875	0	1	0	0	3	0	45368	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr9:74309424-74313120	exonic	TMEM2	9	74309424	74313120	0	1	0	0	3	0	3696	0.537358064	-1.155919951	3.844829357	-0.300642719	NA	NA
chr11:120345268-120348235	exonic	ARHGEF12	11	120345268	120348235	8	1	0	15	9	0	2967	3.890088915	-1.154270827	1.606688677	-0.718415984	0.472500834	0.998252924
chr1:109883345-109888500	exonic	SORT1	1	109883345	109888500	1	0	0	0	3	0	5155	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr1:11133990-11137005	exonic	EXOSC10	1	11133990	11137005	1	0	0	0	3	0	3015	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr1:41578954-41582682	exonic	SCMH1	1	41578954	41582682	1	0	0	0	3	0	3728	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr11:17143734-17167489	exonic	PIK3C2A	11	17143734	17167489	1	0	0	0	3	0	23755	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr11:94219089-94224131	exonic	MRE11A	11	94219089	94224131	1	0	0	0	3	0	5042	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr12:32133811-32140256	exonic	KIAA1551	12	32133811	32140256	1	0	0	0	3	0	6445	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA

chr15:101906400-101910728	exonic	PCSK6	15	101906400	101910728	1	0	0	0	3	0	4328	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr15:52638557-52646211	exonic	MYO5A	15	52638557	52646211	1	0	0	0	3	0	7654	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr17:30205268-30207773	exonic	UTP6	17	30205268	30207773	1	0	0	0	3	0	2505	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr18:13681603-13682104	exonic	FAM210A	18	13681603	13682104	1	0	0	0	3	0	501	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr19:40376630-40408135	exonic	FCGBP	19	40376630	40408135	1	0	0	0	3	0	31505	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr2:175978721-175983097	exonic	ATF2	2	175978721	175983097	1	0	0	0	3	0	4376	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr2:32858942-32865477	exonic	TTC27	2	32858942	32865477	1	0	0	0	3	0	6535	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr2:46803225-46803795	exonic	RHOQ	2	46803225	46803795	1	0	0	0	3	0	570	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr2:64208779-64211153	exonic	VPS54	2	64208779	64211153	1	0	0	0	3	0	2374	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr22:31843411-31846346	exonic	EIF4ENIF1	22	31843411	31846346	1	0	0	0	3	0	2935	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr4:184605127-184607901	exonic	TRAPPC11	4	184605127	184607901	1	0	0	0	3	0	2774	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr5:38527256-38530768	exonic	LIFR	5	38527256	38530768	1	0	0	0	3	0	3512	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr5:40771820-40777688	exonic	PRKAA1	5	40771820	40777688	1	0	0	0	3	0	5868	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr5:93386435-93410474	exonic	FAM172A	5	93386435	93410474	1	0	0	0	3	0	24039	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr7:105103067-105108910	exonic	PUS7	7	105103067	105108910	1	0	0	0	3	0	5843	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr8:124035952-124042956	exonic	DERL1	8	124035952	124042956	1	0	0	0	3	0	7004	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr8:17814112-17868875	exonic	PCM1	8	17814112	17868875	1	0	0	0	3	0	54763	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr9:88437794-88445491	ncRNA_exonic	LOC389765	9	88437794	88445491	1	0	0	0	3	0	7697	0.492069208	-1.154189711	3.97562277	-0.290316707	NA	NA
chr13:101997616-102031004	exonic	NALCN	13	101997616	102031004	2	0	0	1	4	0	33388	0.848394958	-1.152818955	2.968735067	-0.388319917	NA	NA
chr14:76330009-76368567	exonic	TTLL5	14	76330009	76368567	2	0	0	1	4	0	38558	0.848394958	-1.152818955	2.968735067	-0.388319917	NA	NA
chr21:30698379-30702014	exonic	BACH1	21	30698379	30702014	4	0	0	5	3	1	3635	1.718805571	-1.151828047	2.086608241	-0.552009727	NA	NA
chr17:20107645-20109225	exonic	SPECC1	17	20107645	20109225	38	22	16	70	55	41	1580	38.62714393	-1.146986658	0.632197864	-1.814284299	0.069633967	0.998252924
chr10:95140975-95148911	exonic	MYOF	10	95140975	95148911	2	1	3	12	7	0	7936	3.146985336	-1.144543986	1.571919245	-0.72811882	0.466540854	0.998252924
chr6:129823750-129879311	exonic	LAMA2	6	129823750	129879311	0	0	3	9	2	0	55561	1.790664386	-1.143808503	2.259827675	-0.506148551	0.61275237	0.998252924
chr20:36668836-36687922	exonic	RPRD1B	20	36668836	36687922	2	0	0	3	0	1	19086	0.88512665	-1.143141384	2.943051229	-0.388420484	0.697704888	0.998252924
chr3:14485131-14489324	exonic	SLC6A6	3	14485131	14489324	2	0	0	3	0	1	4193	0.88512665	-1.143141384	2.943051229	-0.388420484	0.697704888	0.998252924
chr6:22020567-22056919	ncRNA_exonic	CASC15	6	22020567	22056919	2	0	0	3	0	1	36352	0.88512665	-1.143141384	2.943051229	-0.388420484	0.697704888	0.998252924
chr15:85081762-85098301	ncRNA_exonic	UBE2Q2P1	15	85081762	85098301	4	2	0	7	5	2	16539	2.830253392	-1.142649752	1.583109051	-0.721775769	0.47043235	0.998252924
chr8:68044185-68049838	exonic	CSPP1	8	68044185	68049838	6	0	2	6	9	3	5653	3.820230641	-1.142482704	1.433258185	-0.797122749	0.425379746	0.998252924
chr2:61521404-61521663	intronic	USP34	2	61521404	61521663	2	2	3	4	4	6	259	3.956999441	-1.140400078	1.366931231	-0.834277579	0.404124583	0.998252924
chr4:151682934-151729550	exonic	LRBA	4	151682934	151729550	2	2	1	4	4	3	46616	2.637805563	-1.137720246	1.556530101	-0.730933661	0.464819674	0.998252924
chr17:45041063-45042405	intergenic	<small>GIS2 (dist=22330), MIR5089 (dist=7978)</small>	17	45041063	45042405	0	0	2	4	3	0	1342	1.182865857	-1.137061379	2.596754472	-0.437877894	0.661474801	0.998252924
chr2:32142994-32157204	exonic	MEMO1	2	32142994	32157204	0	3	0	2	5	1	14210	1.648805885	-1.136986909	2.154617653	-0.52769776	NA	NA
chr1:243776972-243859018	exonic	AKT3	1	243776972	243859018	1	2	0	6	3	0	82046	1.478489117	-1.135661659	2.207369813	-0.514486359	0.606911995	0.998252924
chr2:24181170-24207701	exonic	UBXN2A	2	24181170	24207701	2	3	4	1	6	9	26531	5.17632078	-1.135106916	1.345026286	-0.843929169	0.398708987	0.998252924

chr14:103336521-103369766	exonic	TRAF3	14	103336521	103369766	0	2	0	2	2	1	33245	1.111447821	-1.134423258	2.49651213	-0.454403263	0.649538604	0.998252924
chr3:50004902-50012825	exonic	RBM6	3	50004902	50012825	5	2	1	10	10	1	7923	3.772362016	-1.133173725	1.374636563	-0.824344234	0.409743991	0.998252924
chr22:26853824-26854543	exonic	HPS4	22	26853824	26854543	3	0	0	8	0	0	719	1.23745191	-1.131364621	2.807162912	-0.403027775	NA	NA
chr19:45766370-45766625	exonic	MARK4	19	45766370	45766625	12	0	2	18	10	4	255	6.29913495	-1.131027403	1.244639168	-0.908719114	NA	NA
chr18:9204473-9221997	exonic	ANKRD12	18	9204473	9221997	2	3	0	5	7	1	17524	2.46776877	-1.128084676	1.693958195	-0.665945995	0.50544562	0.998252924
chr3:71064699-71102924	exonic	FOXP1	3	71064699	71102924	4	2	2	25	0	0	38225	3.916822049	-1.127152119	1.684253076	-0.669229664	NA	NA
chr12:111990083-111993723	exonic	ATXN2	12	111990083	111993723	10	6	7	9	55	1	3640	11.63793668	-1.126010226	1.061093499	-1.061179082	NA	NA
chrX:51638148-51640367	exonic	MAGED1	X	51638148	51640367	3	0	0	2	1	2	2219	1.337048238	-1.12591441	2.339278915	-0.481308322	NA	NA
chr1:39775241-39784287	exonic	MACF1	1	39775241	39784287	1	1	0	6	0	0	9046	0.941131053	-1.125425665	2.888286995	-0.389651606	NA	NA
chr6:55360216-55406938	exonic	HMGCLL1	6	55360216	55406938	1	1	0	6	0	0	46722	0.941131053	-1.125425665	2.888286995	-0.389651606	NA	NA
chr12:122995655-122999774	exonic	RSRC2	12	122995655	122999774	1	0	1	4	2	0	4119	0.993556352	-1.124177254	2.58663897	-0.434609262	0.663846071	0.998252924
chr10:126370175-126370948	exonic	FAM53B	10	126370175	126370948	4	4	3	23	4	3	773	5.658785416	-1.124086628	1.183046331	-0.950162812	0.342029531	0.998252924
chr15:52876941-52885933	exonic	FAM214A	15	52876941	52885933	2	1	0	3	5	0	8992	1.356320949	-1.123139946	2.272273603	-0.494280242	0.621108277	0.998252924
chr1:70736538-70790640	exonic	ANKRD13C	1	70736538	70790640	2	0	0	2	3	0	54102	0.833678921	-1.121186342	2.957294914	-0.379125645	0.704594563	0.998252924
chr10:31661947-31791437	exonic	ZEB1	10	31661947	31791437	2	0	0	2	3	0	129490	0.833678921	-1.121186342	2.957294914	-0.379125645	0.704594563	0.998252924
chr2:219103386-219110269	exonic	ARPC2	2	219103386	219110269	2	0	0	2	3	0	6883	0.833678921	-1.121186342	2.957294914	-0.379125645	0.704594563	0.998252924
chr5:77385216-77477486	exonic	AP3B1	5	77385216	77477486	2	0	0	2	3	0	92270	0.833678921	-1.121186342	2.957294914	-0.379125645	0.704594563	0.998252924
chr10:13701322-13705509	exonic	FRMD4A	10	13701322	13705509	0	4	0	5	3	2	4187	2.208179605	-1.120096455	1.917773475	-0.584060876	NA	NA
chr15:25207260-25213229	exonic	SNURF	15	25207260	25213229	0	0	1	1	2	0	5969	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr17:17165279-17168295	exonic	COPS3	17	17165279	17168295	0	0	1	1	2	0	3016	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr19:45211132-45211459	exonic	CEACAM16	19	45211132	45211459	0	0	1	1	2	0	327	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr2:230701563-230725247	exonic	TRIP12	2	230701563	230725247	0	0	1	1	2	0	23684	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr20:62614399-62616378	exonic	PRPF6	20	62614399	62616378	0	0	1	1	2	0	1979	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr4:56883813-56885721	exonic	CEP135	4	56883813	56885721	0	0	1	1	2	0	1908	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr6:7187666-7211942	exonic	RREB1	6	7187666	7211942	0	0	1	1	2	0	24276	0.545635254	-1.120031024	3.496775891	-0.32030392	0.748737952	0.998252924
chr5:159437506-159478190	exonic	TTC1	5	159437506	159478190	0	1	1	7	0	0	40684	1.115724521	-1.119613214	2.727398636	-0.410505894	NA	NA
chr11:8832793-8860897	UTR5	<small>558-10131171...-6040..._00547411046..._00548..._00551..._00550a11047</small>	11	8832793	8860897	0	1	0	1	2	0	28104	0.522642028	-1.11896561	3.55078848	-0.315131587	0.752661746	0.998252924
chr18:74561481-74580819	exonic	ZNF236	18	74561481	74580819	0	1	0	1	2	0	19338	0.522642028	-1.11896561	3.55078848	-0.315131587	0.752661746	0.998252924
chr2:152980279-153006743	exonic	STAM2	2	152980279	153006743	0	1	0	1	2	0	26464	0.522642028	-1.11896561	3.55078848	-0.315131587	0.752661746	0.998252924
chr3:47087976-47108608	exonic	SETD2	3	47087976	47108608	0	1	0	1	2	0	20632	0.522642028	-1.11896561	3.55078848	-0.315131587	0.752661746	0.998252924
chr9:114337013-114348445	exonic	PTGRI, ZNF483	9	114337013	114348445	0	1	0	1	2	0	11432	0.522642028	-1.11896561	3.55078848	-0.315131587	0.752661746	0.998252924
chr3:142066075-142095436	exonic	XRN1	3	142066075	142095436	0	1	3	1	3	4	29361	2.468350961	-1.118481169	1.812847479	-0.616974777	0.537251363	0.998252924
chr9:113734352-113735838	exonic	LPAR1	9	113734352	113735838	9	6	3	6	12	14	1486	9.203602252	-1.11834863	1.032906556	-1.082720043	0.278932705	0.998252924
chr8:48320422-48353104	exonic	SPIDR	8	48320422	48353104	5	0	0	6	2	2	32682	2.141295086	-1.116992502	1.933518911	-0.57769929	NA	NA
chr10:15617487-15634303	exonic	ITGA8	10	15617487	15634303	1	0	3	1	1	0	16816	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924

chr19:8533657-8539128	exonic	HNRNPM	19	8533657	8539128	1	0	0	1	2	0	5471	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr3:182602540-182605501	exonic	ATP11B	3	182602540	182605501	1	0	0	1	2	0	2961	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr4:106345352-106374799	exonic	PPA2	4	106345352	106374799	6	9	6	13	6	4	29447	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr4:39839475-39847500	exonic	PDS5A	4	39839475	39847500	2	0	0	1	1	0	8025	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr6:18249881-18258636	exonic	DEK	6	18249881	18258636	1	0	0	1	2	0	8755	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr8:100515063-100523740	exonic	VPS13B	8	100515063	100523740	1	0	0	1	2	0	8677	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr8:28866588-28876430	exonic	HMBX1	8	28866588	28876430	1	0	0	1	2	0	9842	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr9:114178551-114206774	exonic	KIAA0368	9	114178551	114206774	1	0	0	1	2	0	28223	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr9:14672827-14680160	exonic	ZDHHC21	9	14672827	14680160	1	0	0	1	2	0	7333	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chrX:16711263-16721064	exonic	CTPS2	X	16711263	16721064	1	0	0	1	2	0	9801	0.477353172	-1.11677582	3.670250922	-0.304277785	0.760916268	0.998252924
chr8:124243539-124251384	exonic	C8orf76, ZHX1-C8orf76	8	124243539	124251384	1	1	0	0	1	2	7845	1.040727381	-1.116240454	2.637980247	-0.423142082	0.672191601	0.998252924
chr8:71587052-71593565	exonic	XKR9	8	71587052	71593565	0	4	0	0	0	5	6513	2.23819624	-1.112928616	3.823476881	-0.291077637	NA	NA
chr11:65266744-65266894	ncRNA_exonic	MALAT1	11	65266744	65266894	3	0	0	0	7	0	150	1.234152781	-1.112444187	2.816034617	-0.395039244	NA	NA
chr4:129035724-129043343	exonic	LARP1B	4	129035724	129043343	1	0	0	0	1	1	7619	0.558232973	-1.107433891	3.510390627	-0.315473122	0.752402455	0.998252924
chr9:33948371-33963789	exonic	UBAP2	9	33948371	33963789	1	0	0	0	1	1	15418	0.558232973	-1.107433891	3.510390627	-0.315473122	0.752402455	0.998252924
chr1:14099572-14109326	exonic	PRDM2	1	14099572	14109326	0	3	5	15	5	3	9754	4.633636237	-1.106946006	1.377321477	-0.803694725	0.421573301	0.998252924
chr5:159462146-159478190	exonic	TTC1	5	159462146	159478190	0	1	2	1	3	3	16044	1.200604812	-1.106211657	2.484712512	-0.445207102	0.656170095	0.998252924
chr7:140476711-140494267	exonic	BRAF	7	140476711	140494267	2	3	2	20	0	1	17556	3.609785646	-1.104752017	1.606549256	-0.687655242	NA	NA
chr5:138145726-138163407	exonic	CTNNA1	5	138145726	138163407	2	2	1	6	4	2	17681	2.542209725	-1.104486114	1.565654093	-0.705447084	0.480532052	0.998252924
chr15:85657103-85658718	exonic	PDE8A	15	85657103	85658718	3	4	3	0	15	6	1615	5.340594081	-1.104386113	1.379611944	-0.800504894	NA	NA
chr2:62227835-62228117	exonic	COMMD1	2	62227835	62228117	0	1	0	0	1	1	282	0.60352183	-1.101458446	3.416280505	-0.322414522	0.747138684	0.998252924
chr2:86701898-86707485	exonic	KDM3A	2	86701898	86707485	0	1	0	0	1	1	5587	0.60352183	-1.101458446	3.416280505	-0.322414522	0.747138684	0.998252924
chr6:7899808-7904956	exonic	TXNDC5	6	7899808	7904956	0	1	0	0	1	1	5148	0.60352183	-1.101458446	3.416280505	-0.322414522	0.747138684	0.998252924
chr1:245165422-245180628	exonic	EFCAB2	1	245165422	245180628	0	0	2	0	2	2	15206	1.253030112	-1.101171813	2.615960973	-0.420943517	0.673796327	0.998252924
chr10:97141441-97170534	exonic	SORBS1	10	97141441	97170534	1	3	2	20	0	0	29093	3.172580094	-1.101160332	1.810768886	-0.608117547	NA	NA
chr10:99196174-99198460	exonic	EXOSC1	10	99196174	99198460	6	0	0	10	5	0	2286	2.442172617	-1.099384846	1.99031378	-0.5523676	0.580696524	0.998252924
chr5:34922321-34923339	exonic	BRIX1	5	34922321	34923339	1	0	2	3	6	0	1018	1.56862368	-1.098877737	2.171895213	-0.505953386	0.612889374	0.998252924
chr9:86590661-86591909	splicing	HNRNPK	9	86590661	86591909	0	0	1	0	1	1	1248	0.626515056	-1.098570737	3.37326717	-0.325669649	0.74467431	0.998252924
chr15:93540186-93558139	exonic	CHD2	15	93540186	93558139	4	2	0	8	8	0	17953	2.683209825	-1.098494291	1.749377589	-0.627934357	0.530046943	0.998252924
chr19:6697354-6697805	exonic	C3	19	6697354	6697805	4	0	0	0	7	1	451	1.671358333	-1.097823404	2.343758708	-0.468402912	0.639496486	0.998252924
chr2:216238044-216256537	exonic	FN1	2	216238044	216256537	5	5	0	9	0	8	18493	4.938865046	-1.097497132	1.532746153	-0.7160332	0.473970849	0.998252924
chr1:22041881-22048257	exonic	USP48	1	22041881	22048257	4	0	1	5	8	0	6376	2.212993097	-1.096632513	1.903813084	-0.576019002	0.564602338	0.998252924
chr2:24181170-24205903	exonic	UBXN2A	2	24181170	24205903	2	3	4	0	6	9	24733	5.070009395	-1.094920223	1.445416376	-0.757511981	0.44874319	0.998252924
chr10:35302626-35320547	exonic	CUL2	10	35302626	35320547	2	1	0	0	1	3	17921	1.477932933	-1.094495382	2.320252764	-0.471713858	NA	NA
chr9:34220905-34242106	exonic	UBAP1	9	34220905	34242106	2	1	0	0	1	3	21201	1.477932933	-1.094495382	2.320252764	-0.471713858	NA	NA

chr4:108866125-108868693	exonic	CYP2U1	4	108866125	108868693	1	0	1	5	1	0	2568	0.978840316	-1.094266451	2.629590514	-0.416135686	NA	NA
chr14:67736417-67770316	exonic	MPP5	14	67736417	67770316	2	0	1	2	6	0	33899	1.394030212	-1.093810253	2.269811068	-0.481894845	0.629880648	0.998252924
chr7:139746683-139757834	exonic	PARP12	7	139746683	139757834	3	0	0	2	3	1	11151	1.270884473	-1.093731076	2.34602782	-0.466205501	NA	NA
chr1:39835701-39838268	exonic	MACF1	1	39835701	39838268	2	1	0	6	0	1	2567	1.378336604	-1.093686991	2.32232132	-0.470945593	0.637679588	0.998252924
chr1:118003110-118045592	exonic	MAN1A2	1	118003110	118045592	2	0	0	3	2	0	42482	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr12:112509698-112516545	exonic	NAA25	12	112509698	112516545	2	0	0	3	2	0	6847	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr15:49429346-49431850	exonic	COPS2	15	49429346	49431850	2	0	0	3	2	0	2504	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr16:583945-586142	ncRNA_exonic	MIR5587	16	583945	586142	2	0	0	3	2	0	2197	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr17:52990026-53024673	exonic	TOM1L1	17	52990026	53024673	2	0	0	3	2	0	34647	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr18:42281140-42338921	exonic	SETBP1	18	42281140	42338921	2	0	0	3	2	0	57781	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr21:40590077-40590586	exonic	BRWD1	21	40590077	40590586	2	0	0	3	2	0	509	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chrX:117718697-117724265	exonic	DOCK11	X	117718697	117724265	2	0	0	3	2	0	5568	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chrX:76854879-76856033	exonic	ATRX	X	76854879	76856033	2	0	0	3	2	0	1154	0.818962885	-1.088760413	2.974431111	-0.366039882	0.714335316	0.998252924
chr11:12427413-12428312	intronic	PARVA	11	12427413	12428312	0	4	0	3	0	4	899	2.248911787	-1.087602323	2.139166259	-0.508423466	0.6111564	0.998252924
chr13:21305979-21306260	exonic	N6AMT2	13	21305979	21306260	5	0	0	5	7	0	281	2.023683592	-1.083843266	2.113749519	-0.51275861	0.608120186	0.998252924
chr16:11988810-11991892	exonic	GSPT1	16	11988810	11991892	1	0	2	4	5	0	3082	1.553907643	-1.08150485	2.16943699	-0.498518673	0.618118511	0.998252924
chr10:12123470-12143180	exonic	DHTKD1	10	12123470	12143180	1	1	0	0	3	1	19710	0.974563616	-1.078445993	2.663185805	-0.404945832	0.685517328	0.998252924
chr11:85685750-85742653	exonic	PICALM	11	85685750	85742653	0	4	0	1	4	3	56903	2.212180095	-1.076672225	1.979727385	-0.543848731	0.586545572	0.998252924
chr1:39916723-39927709	exonic	MACF1	1	39916723	39927709	0	0	1	2	1	0	10986	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr10:69692353-69773943	exonic	HERC4	10	69692353	69773943	0	0	1	2	1	0	81590	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr15:66021409-66048810	exonic	DENND4A	15	66021409	66048810	0	0	1	2	1	0	27401	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr15:86207793-86228104	exonic	AKAP13	15	86207793	86228104	0	0	1	2	1	0	20311	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr18:9570154-9577189	exonic	PPP4R1	18	9570154	9577189	0	0	1	2	1	0	7035	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr2:60995604-60997646	exonic	PAPOLG	2	60995604	60997646	0	0	1	2	1	0	2042	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr3:12421202-12434251	exonic	PPARG	3	12421202	12434251	0	0	1	2	1	0	13049	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr8:54682177-54684727	exonic	ATP6V1H	8	54682177	54684727	0	0	1	2	1	0	2550	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chrX:76888694-76912143	exonic	ATRX	X	76888694	76912143	0	0	1	2	1	0	23449	0.530919218	-1.076646273	3.529772563	-0.305018596	0.760351989	0.998252924
chr1:176104145-176133027	exonic	RFWD2	1	176104145	176133027	0	1	0	2	1	0	28882	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr14:73749066-73763993	exonic	NUMB	14	73749066	73763993	0	1	0	2	1	0	14927	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr15:43692241-43694048	exonic	TUBGCP4	15	43692241	43694048	0	1	0	2	1	0	1807	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr15:67528316-67529158	exonic	AAGAB	15	67528316	67529158	0	1	0	2	1	0	842	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr19:1147307-1154401	exonic	SBNO2	19	1147307	1154401	0	1	0	2	1	0	7094	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr20:21306916-21349228	exonic	XRN2	20	21306916	21349228	0	1	0	2	1	0	42312	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr6:109080620-109081606	ncRNA_exonic	LINCO0222	6	109080620	109081606	0	1	0	2	1	0	986	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr7:139741443-139746807	exonic	PARP12	7	139741443	139746807	0	1	0	2	1	0	5364	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924

chr7:148463652-148464841	exonic	CUL1	7	148463652	148464841	0	1	0	2	1	0	1189	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr8:108334123-108359325	exonic	ANGPT1	8	108334123	108359325	0	1	0	2	1	0	25202	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr8:17829837-17830196	exonic	PCMI	8	17829837	17830196	0	1	0	2	1	0	359	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chrX:106096750-106097526	exonic	TBC1D8B	X	106096750	106097526	0	1	0	2	1	0	776	0.507925991	-1.075454867	3.586190777	-0.299887801	0.76426274	0.998252924
chr1:39781184-39818903	exonic	MACF1	1	39781184	39818903	1	0	0	2	1	0	37719	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr10:106118098-106139978	exonic	CFAP58	10	106118098	106139978	1	0	0	2	1	0	21880	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr11:22242642-22261230	exonic	ANO5	11	22242642	22261230	1	0	0	2	1	0	18588	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr11:66436085-66436762	exonic	RBM4B	11	66436085	66436762	1	0	0	2	1	0	677	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr15:76576097-76588078	exonic	ETFA	15	76576097	76588078	1	0	0	2	1	0	11981	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr17:78298829-78310178	exonic	RNF213	17	78298829	78310178	1	0	0	2	1	0	11349	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr18:54591152-54606624	exonic	WDR7	18	54591152	54606624	1	0	0	2	1	0	15472	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr18:6237962-6244587	exonic	L3MBTL4	18	6237962	6244587	1	0	0	2	1	0	6625	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr2:203329531-203384924	exonic	BMPR2	2	203329531	203384924	1	0	0	2	1	0	55393	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr2:88482217-88482592	exonic	THNSL2	2	88482217	88482592	1	0	0	2	1	0	375	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr3:43591211-43607219	exonic	ANO10	3	43591211	43607219	1	0	0	2	1	0	16008	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr6:149663820-149691235	exonic	TAB2	6	149663820	149691235	1	0	0	2	1	0	27415	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr6:76357446-76380436	exonic	SENP6	6	76357446	76380436	1	0	0	2	1	0	22990	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr7:138189034-138200104	exonic	TRIM24	7	138189034	138200104	1	0	0	2	1	0	11070	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr9:129102786-129184227	exonic	MVB12B	9	129102786	129184227	1	0	0	2	1	0	81441	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr9:14120438-14125765	exonic	NFIB	9	14120438	14125765	1	0	0	2	1	0	5327	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr9:37302184-37305711	exonic	ZCCHC7	9	37302184	37305711	1	0	0	2	1	0	3527	0.462637135	-1.073009706	3.71128486	-0.289120816	0.772488925	0.998252924
chr9:134381501-134381840	exonic	POMT1	9	134381501	134381840	0	0	3	0	10	0	339	1.802081295	-1.071931298	3.843036932	-0.27892818	NA	NA
chr16:29845053-29845387	exonic	MVP	16	29845053	29845387	10	3	2	34	3	2	334	6.801341454	-1.070189909	1.20899249	-0.885191527	NA	NA
chrX:2637701-2644414	exonic	CD99	X	2637701	2644414	3	2	0	13	1	0	6713	2.238587855	-1.069992076	1.953612088	-0.547699352	NA	NA
chr14:89628045-89629313	exonic	FOXN3	14	89628045	89629313	4	2	2	24	0	0	1268	3.810510664	-1.069792522	1.692736166	-0.631990114	NA	NA
chr4:151719232-151738409	exonic	LRBA	4	151719232	151738409	4	6	0	7	9	5	19177	4.936122102	-1.069773208	1.305252243	-0.819591166	0.412449211	0.998252924
chr18:1183831-1238468	intergenic	ACLYP1 (dist=271658), LINC00470 (dist=29844)	18	1183831	1238468	3	0	0	0	0	3	54637	1.311616655	-1.066540509	2.805763368	-0.380124896	NA	NA
chr14:31139461-31144271	exonic	SCFD1	14	31139461	31144271	0	4	4	6	12	3	4810	4.501032497	-1.065510848	1.376230159	-0.774224311	NA	NA
chr7:149930124-149934697	intergenic	ATP6V0E2 (dist=352323), ACTR3C (dist=9604)	7	149930124	149934697	3	0	0	2	5	0	4573	1.204720708	-1.064637796	2.566459314	-0.414827459	0.678268217	0.998252924
chr8:68211443-68214701	exonic	ARFGEF1	8	68211443	68214701	0	4	2	5	11	1	3258	3.262718422	-1.064365651	1.573805312	-0.676300711	0.498849742	0.998252924
chr15:91030185-91035943	exonic	IQGAP1	15	91030185	91035943	1	0	2	5	4	0	5758	1.539191607	-1.063244532	2.174581656	-0.488942105	0.624882685	0.998252924
chr12:6657590-6657991	exonic	IFFO1	12	6657590	6657991	4	0	0	9	1	0	401	1.593777659	-1.059141196	2.360809125	-0.448634828	NA	NA
chr1:179316734-179319566	exonic	SOAT1	1	179316734	179319566	0	2	0	3	3	0	2832	1.030568019	-1.058800648	2.728545322	-0.388045835	0.697982114	0.998252924
chr17:79244325-79244824	exonic	SLC38A10	17	79244325	79244824	0	2	0	3	3	0	499	1.030568019	-1.058800648	2.728545322	-0.388045835	0.697982114	0.998252924
chr5:80021271-80040434	exonic	MSH3	5	80021271	80040434	0	1	1	1	5	0	19163	1.082993319	-1.057944642	2.548248149	-0.415165471	NA	NA

chr12:109696072-109696913	exonic	ACACB	12	109696072	109696913	2	0	0	4	1	0	841	0.804246848	-1.055257172	3.01999992	-0.349422914	0.726771833	0.998252924
chr20:2928627-2945848	exonic	PTPRA	20	2928627	2945848	7	2	2	9	13	3	17221	5.100813025	-1.05491412	1.192498382	-0.8846252	0.37635881	0.998252924
chr16:27357787-27364017	exonic	IL4R	16	27357787	27364017	2	0	1	4	4	0	6230	1.364598139	-1.054726781	2.262034802	-0.466273455	0.641019777	0.998252924
chr15:28505922-28508315	exonic	HERC2	15	28505922	28508315	1	0	1	6	0	0	2393	0.964124279	-1.052074942	2.863286643	-0.367436123	NA	NA
chr3:47139444-47144913	exonic	SETD2	3	47139444	47144913	0	3	1	4	8	0	5469	2.113561338	-1.048292379	1.957634545	-0.535489314	0.592311545	0.998252924
chr1:207753585-207868096	exonic	CR1, CR1L	1	207753585	207868096	0	0	2	2	0	2	114511	1.223598039	-1.048062196	2.633223029	-0.398014974	0.690619148	0.998252924
chr10:65369946-65379560	exonic	REEP3	10	65369946	65379560	0	0	2	2	0	2	9614	1.223598039	-1.048062196	2.633223029	-0.398014974	0.690619148	0.998252924
chr14:55847290-55848909	exonic	ATG14	14	55847290	55848909	0	0	2	2	0	2	1619	1.223598039	-1.048062196	2.633223029	-0.398014974	0.690619148	0.998252924
chr7:89915594-89934134	exonic	CFAP69	7	89915594	89934134	0	0	2	2	0	2	18540	1.223598039	-1.048062196	2.633223029	-0.398014974	0.690619148	0.998252924
chr19:11289020-11289396	exonic	KANK2	19	11289020	11289396	15	3	0	42	0	2	376	7.539146933	-1.045855795	2.308432584	-0.453058843	NA	NA
chr8:141710989-141716304	exonic	PTK2	8	141710989	141716304	3	1	0	6	2	1	5315	1.749378391	-1.045479888	1.947437519	-0.536849002	0.591371921	0.998252924
chr2:191765289-191775047	exonic	GLS	2	191765289	191775047	3	0	0	3	4	0	9758	1.190004671	-1.041676389	2.563260779	-0.406387207	0.684458118	0.998252924
chr2:197135916-197172809	exonic	HECW2	2	197135916	197172809	3	1	3	12	8	0	36893	3.3969997	-1.040658235	1.517453417	-0.685792541	0.492843941	0.998252924
chr7:65705311-65751696	exonic	TPST1	7	65705311	65751696	4	3	1	3	9	4	46385	3.877099581	-1.039729081	1.35702409	-0.766183215	NA	NA
chr8:42761315-42798588	exonic	HOOK3	8	42761315	42798588	5	1	1	2	9	5	37273	5.208686543	-1.038359323	1.237125692	-0.839332114	NA	NA
chr12:94562928-94613939	exonic	PLXNC1	12	94562928	94613939	0	0	3	0	0	4	51011	1.824681512	-1.034755076	3.84404339	-0.269184026	NA	NA
chr7:102962378-102963241	exonic	DNAJC2	7	102962378	102963241	3	2	2	10	5	2	863	3.414738656	-1.034724189	1.379357516	-0.750149382	0.453164741	0.998252924
chr4:128995614-129019485	exonic	LARP1B	4	128995614	129019485	0	0	2	1	3	1	23871	1.17215031	-1.034687093	2.474063523	-0.418213632	0.675790929	0.998252924
chr6:150059778-150063706	exonic	NUP43	6	150059778	150063706	1	1	0	0	5	0	3928	0.908399851	-1.033839937	2.928853769	-0.352984484	NA	NA
chr8:141856358-141889736	exonic	PTK2	8	141856358	141889736	1	1	0	0	5	0	33378	0.908399851	-1.033839937	2.928853769	-0.352984484	NA	NA
chr1:46124699-46126897	exonic	GPBP1L1	1	46124699	46126897	4	0	0	3	4	1	2198	1.627210223	-1.032994446	2.128899694	-0.485224573	NA	NA
chr17:76000251-76027923	UTR5	<small>UTR5 (chr17:76000251-76027923)</small>	17	76000251	76027923	0	2	0	4	2	0	27672	1.015851982	-1.030401121	2.748429881	-0.37490537	0.707730845	0.998252924
chr12:110778463-110780253	exonic	ATP2A2	12	110778463	110780253	1	0	0	1	0	1	1790	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr14:67431907-67490392	exonic	GPHN	14	67431907	67490392	1	0	0	1	0	1	58485	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr15:55724694-55742565	exonic	DYX1C1	15	55724694	55742565	1	0	0	1	0	1	17871	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr17:46993437-47000299	exonic	UBE2Z	17	46993437	47000299	1	0	0	1	0	1	6862	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr19:41122794-41125398	exonic	LTBP4	19	41122794	41125398	1	0	0	1	0	1	2604	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr3:129546645-129547351	exonic	TMCC1	3	129546645	129547351	1	0	0	1	0	1	706	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr5:175925914-175927147	exonic	FAF2	5	175925914	175927147	1	0	0	1	0	1	1233	0.543516937	-1.029632489	3.541628303	-0.290722911	0.771263248	0.998252924
chr13:114806476-114822949	exonic	RASA3	13	114806476	114822949	0	0	3	11	0	0	16473	1.761232313	-1.028146351	3.844225321	-0.267452156	NA	NA
chr1:173725061-173735428	exonic	KLHL20	1	173725061	173735428	0	0	1	3	0	0	10367	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr1:243858892-244006584	exonic	AKT3	1	243858892	244006584	0	0	1	3	0	0	147692	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr1:40872407-40875507	exonic	SMAP2	1	40872407	40875507	0	0	1	3	0	0	3100	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr10:24783428-24802363	exonic	KIAA1217	10	24783428	24802363	0	0	1	3	0	0	18935	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr11:103173821-103194718	exonic	DYNC2H1	11	103173821	103194718	0	0	1	3	0	0	20897	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA

chr11:22242642-22284589	exonic	ANO5	11	22242642	22284589	0	0	1	3	0	0	41947	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr14:60193636-60194386	exonic	RTN1	14	60193636	60194386	0	0	1	3	0	0	750	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr15:22862934-22864369	exonic	TUBGCP5	15	22862934	22864369	0	0	1	3	0	0	1435	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr16:50709680-50711446	exonic	SNX20	16	50709680	50711446	0	0	1	3	0	0	1766	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr16:74983615-74990508	exonic	WDR59	16	74983615	74990508	0	0	1	3	0	0	6893	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr16:89958600-89967202	exonic	TCF25	16	89958600	89967202	0	0	1	3	0	0	8602	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr18:46798547-46812986	exonic	DYM	18	46798547	46812986	0	0	1	3	0	0	14439	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr19:11151982-11170863	exonic	SMARCA4	19	11151982	11170863	0	0	1	3	0	0	18881	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr19:3425103-3452664	exonic	NFIC	19	3425103	3452664	0	0	1	3	0	0	27561	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr2:44021595-44032385	exonic	DYNC2LI1	2	44021595	44032385	0	0	1	3	0	0	10790	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr20:35315894-35317187	exonic	NDRG3	20	35315894	35317187	0	0	1	3	0	0	1293	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr3:169840378-169867032	exonic	PHC3	3	169840378	169867032	0	0	1	3	0	0	26654	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr4:882634-898567	exonic	GAK	4	882634	898567	0	0	1	3	0	0	15933	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr5:171509329-171517366	exonic	STK10	5	171509329	171517366	0	0	1	3	0	0	8037	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr6:155129203-155145512	exonic	SCAF8	6	155129203	155145512	0	0	1	3	0	0	16309	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr6:69703659-69772928	exonic	ADGRB3	6	69703659	69772928	0	0	1	3	0	0	69269	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr7:16298014-16348252	exonic	ISPD	7	16298014	16348252	0	0	1	3	0	0	50238	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr7:74626246-74632979	ncRNA_exonic	GTF2IP1, GTF2IP4	7	74626246	74632979	0	0	1	3	0	0	6733	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr8:123963531-123966268	exonic	ZHX2	8	123963531	123966268	0	0	1	3	0	0	2737	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr8:26248758-26265892	exonic	BNIP3L	8	26248758	26265892	0	0	1	3	0	0	17134	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr8:98703179-98735263	exonic	MTDH	8	98703179	98735263	0	0	1	3	0	0	32084	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr9:113163133-113166832	exonic	SVEP1	9	113163133	113166832	0	0	1	3	0	0	3699	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chrX:100290601-100297301	exonic	TRMT2B	X	100290601	100297301	0	0	1	3	0	0	6700	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chrX:122771893-122779226	exonic	THOC2	X	122771893	122779226	0	0	1	3	0	0	7333	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chrX:8553307-8565297	exonic	ANOS1	X	8553307	8565297	0	0	1	3	0	0	11990	0.516203181	-1.025047287	3.899480463	-0.262867656	NA	NA
chr1:21167348-21212864	exonic	EIF4G3	1	21167348	21212864	0	1	0	1	0	1	45516	0.588805793	-1.024095047	3.4437338	-0.297379271	0.766176968	0.998252924
chr10:3143556-3151672	exonic	PFKP	10	3143556	3151672	0	1	0	1	0	1	8116	0.588805793	-1.024095047	3.4437338	-0.297379271	0.766176968	0.998252924
chr15:43438690-43461875	exonic	TMEM62	15	43438690	43461875	0	1	0	1	0	1	23185	0.588805793	-1.024095047	3.4437338	-0.297379271	0.766176968	0.998252924
chr19:38597176-38610522	exonic	SIPA1L3	19	38597176	38610522	0	1	0	1	0	1	13346	0.588805793	-1.024095047	3.4437338	-0.297379271	0.766176968	0.998252924
chr7:155503896-155538296	exonic	RBM33	7	155503896	155538296	0	1	0	1	0	1	34400	0.588805793	-1.024095047	3.4437338	-0.297379271	0.766176968	0.998252924
chr8:87386258-87393858	exonic	WWP1	8	87386258	87393858	0	1	0	1	0	1	7600	0.588805793	-1.024095047	3.4437338	-0.297379271	0.766176968	0.998252924
chr1:12638745-12640694	exonic	DHRS3	1	12638745	12640694	0	1	0	3	0	0	1949	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr1:200729966-200801973	exonic	CAMSAP2	1	200729966	200801973	0	1	0	3	0	0	72007	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr1:203689676-203691817	exonic	ATP2B4	1	203689676	203691817	0	1	0	3	0	0	2141	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr1:33058531-33060824	exonic	ZBTB8A	1	33058531	33060824	0	1	0	3	0	0	2293	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA

chr1:46527600-46543285	exonic	PIK3R3	1	46527600	46543285	0	1	0	3	0	0	15685	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr1:78267015-78309092	exonic	FAM73A	1	78267015	78309092	0	1	0	3	0	0	42077	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr10:12160747-12162266	exonic	DHTKD1	10	12160747	12162266	0	1	0	3	0	0	1519	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr11:103173821-103327084	exonic	DYNC2H1	11	103173821	103327084	0	1	0	3	0	0	153263	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr11:16339991-16362798	exonic	SOX6	11	16339991	16362798	0	1	0	3	0	0	22807	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr11:581491-587464	exonic	PHRF1	11	581491	587464	0	1	0	3	0	0	5973	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr12:27132716-27143560	exonic	TM7SF3	12	27132716	27143560	0	1	0	3	0	0	10844	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr13:20235837-20244503	exonic	MPHOSPH8	13	20235837	20244503	0	1	0	3	0	0	8666	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr14:57696451-57714430	exonic	EXOC5	14	57696451	57714430	0	1	0	3	0	0	17979	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr14:73749066-73754022	exonic	NUMB	14	73749066	73754022	0	1	0	3	0	0	4956	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr15:100138634-100230633	exonic	MEF2A	15	100138634	100230633	0	1	0	3	0	0	91999	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr15:100138634-100247060	exonic	MEF2A	15	100138634	100247060	0	1	0	3	0	0	108426	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr15:28491026-28493882	exonic	HERC2	15	28491026	28493882	0	1	0	3	0	0	2856	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr15:41361767-41373271	exonic	INO80	15	41361767	41373271	0	1	0	3	0	0	11504	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr15:43120125-43164956	exonic	TTBK2	15	43120125	43164956	0	1	0	3	0	0	44831	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr16:4727463-4730098	exonic	MGRN1	16	4727463	4730098	0	1	0	3	0	0	2635	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr17:4109615-4113242	exonic	ANKFY1	17	4109615	4113242	0	1	0	3	0	0	3627	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr17:5257653-5271763	exonic	RABEP1	17	5257653	5271763	0	1	0	3	0	0	14110	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr2:170911969-170917953	exonic	UBR3	2	170911969	170917953	0	1	0	3	0	0	5984	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr2:20454623-20455931	exonic	PUM2	2	20454623	20455931	0	1	0	3	0	0	1308	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr2:25799706-25830190	exonic	DTNB	2	25799706	25830190	0	1	0	3	0	0	30484	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr3:127298582-127299006	exonic	TPRA1	3	127298582	127299006	0	1	0	3	0	0	424	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr3:130685988-130688240	exonic	ATP2C1	3	130685988	130688240	0	1	0	3	0	0	2252	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr3:153935657-153958368	exonic	ARHGEF26	3	153935657	153958368	0	1	0	3	0	0	22711	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr3:23942298-23952941	exonic	NKIRAS1	3	23942298	23952941	0	1	0	3	0	0	10643	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr3:3209317-3216953	exonic	CRBN	3	3209317	3216953	0	1	0	3	0	0	7636	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr4:156617957-156643344	exonic	GUCY1A3	4	156617957	156643344	0	1	0	3	0	0	25387	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr5:16761572-16766307	exonic	MYO10	5	16761572	16766307	0	1	0	3	0	0	4735	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr7:91851215-91871451	exonic	KRIT1	7	91851215	91871451	0	1	0	3	0	0	20236	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr8:94798450-94828743	exonic	TMEM67	8	94798450	94828743	0	1	0	3	0	0	30293	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr9:131565528-131566398	exonic	TBC1D13	9	131565528	131566398	0	1	0	3	0	0	870	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr9:20413718-20414423	exonic	MLLT3	9	20413718	20414423	0	1	0	3	0	0	705	0.493209955	-1.023877637	3.967741878	-0.258050465	NA	NA
chr1:107690690-107691461	exonic	NTNG1	1	107690690	107691461	1	0	0	3	0	0	771	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr1:174241551-174363283	exonic	RABGAP1L	1	174241551	174363283	3	0	0	0	0	0	121732	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr1:178252698-178269253	exonic	RASAL2	1	178252698	178269253	1	0	0	3	0	0	16555	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA

chr1:200729966-200811215	exonic	CAMSAP2	1	200729966	200811215	1	0	0	3	0	0	81249	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr1:48821389-48878823	exonic	SPATA6	1	48821389	48878823	1	0	0	3	0	0	57434	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr10:126727565-126799662	exonic	CTBP2	10	126727565	126799662	1	0	0	3	0	0	72097	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr10:128768965-128860040	exonic	DOCK1	10	128768965	128860040	1	0	0	3	0	0	91075	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr10:64936056-64960437	exonic	JMJD1C	10	64936056	64960437	1	0	0	3	0	0	24381	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr11:120318582-120338017	exonic	ARHGEF12	11	120318582	120338017	1	0	0	3	0	0	19435	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr11:58317258-58318705	exonic	LPXN	11	58317258	58318705	1	0	0	3	0	0	1447	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr12:121000747-121001746	exonic	RNF10	12	121000747	121001746	1	0	0	3	0	0	999	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr12:131466428-131498885	exonic	ADGRD1	12	131466428	131498885	1	0	0	3	0	0	32457	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr12:26568235-26596583	exonic	ITPR2	12	26568235	26596583	1	0	0	3	0	0	28348	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr12:6030205-6031970	exonic	ANO2	12	6030205	6031970	1	0	0	3	0	0	1765	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr13:103459495-103486902	exonic	BIVM, BIVM-ERCC5	13	103459495	103486902	1	0	0	3	0	0	27407	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr13:114786879-114793403	exonic	RASA3	13	114786879	114793403	1	0	0	3	0	0	6524	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr13:41400641-41411021	ncRNA_exonic	TPTE2P5	13	41400641	41411021	1	0	0	3	0	0	10380	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr13:51956164-51963580	exonic	INTS6	13	51956164	51963580	1	0	0	3	0	0	7416	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr14:37716307-37739730	exonic	MIPOL1	14	37716307	37739730	1	0	0	3	0	0	23423	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr15:50330964-50399205	exonic	ATP8B4	15	50330964	50399205	1	0	0	3	0	0	68241	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr16:28967298-28970421	exonic	NFATC2IP	16	28967298	28970421	1	0	0	3	0	0	3123	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr16:29845053-29847119	exonic	MVP	16	29845053	29847119	1	0	0	3	0	0	2066	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr18:32650158-32682123	exonic	MAPRE2	18	32650158	32682123	1	0	0	3	0	0	31965	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr18:76856475-77013541	exonic	ATP9B	18	76856475	77013541	1	0	0	3	0	0	157066	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr18:76886266-77067234	exonic	ATP9B	18	76886266	77067234	2	0	0	0	0	0	180968	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr19:41884185-41884424	exonic	TMEM91	19	41884185	41884424	1	0	0	3	0	0	239	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr19:55420603-55420882	exonic	NCR1	19	55420603	55420882	1	0	0	3	0	0	279	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr19:651610-652884	exonic	RNF126	19	651610	652884	1	0	0	3	0	0	1274	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr2:239241464-239264721	exonic	TRAF3IP1	2	239241464	239264721	1	0	0	3	0	0	23257	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr20:16474935-16496309	exonic	KIF16B	20	16474935	16496309	1	0	0	3	0	0	21374	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr20:32207322-32217720	exonic	CBFA2T2	20	32207322	32217720	1	0	0	3	0	0	10398	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr20:61833638-61835159	exonic	YTHDF1	20	61833638	61835159	1	0	0	3	0	0	1521	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr3:122255014-122259699	exonic	PARP9	3	122255014	122259699	1	0	0	3	0	0	4685	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr3:12447380-12458653	exonic	PPARG	3	12447380	12458653	1	0	0	3	0	0	11273	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr3:78987750-78988077	exonic	ROBO1	3	78987750	78988077	1	0	0	3	0	0	327	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr4:120180974-120193189	exonic	USP53	4	120180974	120193189	1	0	0	3	0	0	12215	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr5:1032266-1036499	exonic	NKD2	5	1032266	1036499	1	0	0	3	0	0	4233	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr5:134705095-134705832	exonic	H2AFY	5	134705095	134705832	1	0	0	3	0	0	737	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA

chr5:38482690-38530768	exonic	LIFR	5	38482690	38530768	1	0	0	3	0	0	48078	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr5:5441224-5444439	exonic	ICE1	5	5441224	5444439	1	0	0	3	0	0	3215	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr6:109900752-109935683	exonic	AK9	6	109900752	109935683	1	0	0	0	0	2	34931	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr6:2779496-2783795	exonic	WRNIP1	6	2779496	2783795	1	0	0	2	0	0	4299	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr7:129756284-129767291	exonic	KLHDC10	7	129756284	129767291	1	0	0	3	0	0	11007	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr7:129756284-129769416	exonic	KLHDC10	7	129756284	129769416	1	0	0	3	0	0	13132	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr7:151873275-151875095	exonic	KMT2C	7	151873275	151875095	1	0	0	3	0	0	1820	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr7:30818047-30831190	exonic	FAM188B	7	30818047	30831190	1	0	0	3	0	0	13143	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr7:74247927-74251505	exonic	GTF2IRD2	7	74247927	74251505	1	0	0	3	0	0	3578	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr8:48812932-48842572	exonic	PRKDC	8	48812932	48842572	1	0	0	3	0	0	29640	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr9:127915811-127923185	exonic	PPP6C	9	127915811	127923185	1	0	0	3	0	0	7374	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr9:35295692-35370393	exonic	UNC13B	9	35295692	35370393	1	0	0	3	0	0	74701	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr9:7015852-7049200	exonic	KDM4C	9	7015852	7049200	1	0	0	3	0	0	33348	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chrX:67316711-67339174	exonic	OPHN1	X	67316711	67339174	1	0	0	3	0	0	22463	0.447921098	-1.023044237	4.018710731	-0.25457026	NA	NA
chr1:243579003-243589860	exonic	SDCCAG8	1	243579003	243589860	0	3	2	2	6	3	10857	2.780808576	-1.021898753	1.657600462	-0.616492802	0.537569321	0.998252924
chr11:18305341-18308257	exonic	HPS5	11	18305341	18308257	0	0	1	1	0	1	2916	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr12:42768664-42792796	exonic	PPHLN1	12	42768664	42792796	0	0	1	1	0	1	24132	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr12:64878082-64879797	exonic	TBK1	12	64878082	64879797	0	0	1	1	0	1	1715	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr15:82443805-82444764	exonic	EFTUD1	15	82443805	82444764	0	0	1	1	0	1	959	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr16:72845475-72845937	exonic	ZFX3	16	72845475	72845937	0	0	1	1	0	1	462	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr2:171867882-171884915	exonic	TLK1	2	171867882	171884915	0	0	1	1	0	1	17033	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr2:40387904-40404995	exonic	SLC8A1	2	40387904	40404995	0	0	1	1	0	1	17091	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr20:43132455-43135637	exonic	SERINC3	20	43132455	43135637	0	0	1	1	0	1	3182	0.611799019	-1.021426059	3.399068847	-0.300501761	0.763794454	0.998252924
chr11:82917099-82959129	exonic	ANKRD42	11	82917099	82959129	2	0	0	0	0	2	42030	0.874411103	-1.020014778	3.250613018	-0.313791513	0.75367939	0.998252924
chr13:21955572-21995303	exonic	ZDHHC20	13	21955572	21995303	2	0	0	0	0	2	39731	0.874411103	-1.020014778	3.250613018	-0.313791513	0.75367939	0.998252924
chr15:71758592-71760282	intronic	THSD4	15	71758592	71760282	2	0	0	0	0	2	1690	0.874411103	-1.020014778	3.250613018	-0.313791513	0.75367939	0.998252924
chr17:45479498-45517868	exonic	EFCAB13	17	45479498	45517868	2	0	0	0	0	2	38370	0.874411103	-1.020014778	3.250613018	-0.313791513	0.75367939	0.998252924
chr8:61707544-61720831	exonic	CHD7	8	61707544	61720831	2	0	0	0	0	2	13287	0.874411103	-1.020014778	3.250613018	-0.313791513	0.75367939	0.998252924
chr12:111991961-111993723	exonic	ATXN2	12	111991961	111993723	3	2	5	3	7	8	1762	5.353732533	-1.019764989	1.251878955	-0.814587532	0.415308449	0.998252924
chr6:31831332-31837414	exonic	SLC44A4	6	31831332	31837414	3	4	2	0	24	0	6082	4.383260199	-1.018738143	1.641920348	-0.620455276	NA	NA
chr19:30462099-30503438	exonic	URI1	19	30462099	30503438	3	0	0	4	3	0	41339	1.175288634	-1.018471385	2.57281098	-0.39585939	NA	NA
chr9:99284787-99327765	exonic	CDC14B	9	99284787	99327765	2	3	0	3	10	0	42978	2.310009656	-1.018248207	1.878857266	-0.541950805	0.587852397	0.998252924
chr11:68282496-68287119	UTR5	-----	11	68282496	68287119	2	0	0	5	0	0	4623	0.789530811	-1.0171718	3.317790676	-0.306581065	NA	NA
chr12:88910110-88939642	exonic	KITLG	12	88910110	88939642	2	0	0	5	0	0	29532	0.789530811	-1.0171718	3.317790676	-0.306581065	NA	NA
chr17:47394188-47399870	exonic	ZNF652	17	47394188	47399870	2	0	0	5	0	0	5682	0.789530811	-1.0171718	3.317790676	-0.306581065	NA	NA

chr7:104925456-104937980	UTR5	SRPK2(NM_001278273:c.-28578..-28690delins0)	7	104925456	104937980	2	0	0	5	0	0	12524	0.789530811	-1.0171718	3.317790676	-0.306581065	NA	NA
chr19:8402679-8404051	exonic	KANK3	19	8402679	8404051	2	0	8	17	7	3	1372	5.415267416	-1.015994666	1.334503768	-0.761327686	NA	NA
chr19:41211000-41211352	exonic	ADCK4	19	41211000	41211352	2	0	1	6	2	0	352	1.335166066	-1.01272905	2.295546795	-0.441171163	0.659089088	0.998252924
chr2:58311223-58316858	exonic	VRK2	2	58311223	58316858	2	0	1	6	2	0	5635	1.335166066	-1.01272905	2.295546795	-0.441171163	0.659089088	0.998252924
chr14:102506572-102507010	exonic	DYNC1H1	14	102506572	102507010	32	7	3	80	11	7	438	17.93306255	-1.009552035	0.956859731	-1.05506795	NA	NA
chr4:170076630-170077830	exonic	SH3RF1	4	170076630	170077830	1	1	0	1	4	0	1200	0.893683814	-1.00916117	2.715974864	-0.371564989	NA	NA
chr13:28141776-28155940	exonic	LNK2	13	28141776	28155940	1	0	1	0	3	1	14164	0.997556843	-1.008670893	2.641537912	-0.381849864	0.70257273	0.998252924
chr12:89853414-89866052	exonic	POC1B	12	89853414	89866052	0	0	5	6	10	0	12638	2.834487656	-1.007521522	1.929714548	-0.522109098	0.601594372	0.998252924
chr17:80828099-80869665	exonic	TBCD	17	80828099	80869665	4	0	0	3	6	0	41566	1.561046457	-1.00706861	2.323012456	-0.433518386	0.664638212	0.998252924
chr7:65705311-65706257	exonic	TPST1	7	65705311	65706257	5	0	2	5	8	2	946	3.155686283	-1.005149862	1.534144454	-0.655185931	0.512348052	0.998252924
chr19:12635610-12639510	exonic	ZNF564	19	12635610	12639510	0	3	0	7	2	0	3900	1.509061937	-1.001653218	2.380228243	-0.420822339	0.673884818	0.998252924
chr1:198201682-198233365	exonic	NEK7	1	198201682	198233365	0	2	0	5	1	0	31683	1.001135946	-0.999782626	2.793403592	-0.357908406	NA	NA
chr19:46020920-46021352	exonic	VASP	19	46020920	46021352	0	2	0	5	1	0	432	1.001135946	-0.999782626	2.793403592	-0.357908406	NA	NA
chr3:141272698-141278837	exonic	RASA2	3	141272698	141278837	5	0	0	0	4	3	6139	2.053700228	-0.995783103	2.171755846	-0.458515217	0.646582332	0.998252924
chr6:143792097-143795993	exonic	PEX3	6	143792097	143795993	3	0	0	5	2	0	3896	1.160572598	-0.994918213	2.595096581	-0.383383886	0.701435149	0.998252924
chr8:38205014-38205733	exonic	WHSC1L1	8	38205014	38205733	3	1	4	8	14	0	719	3.895187716	-0.993678767	1.46563104	-0.677986983	0.497779947	0.998252924
chr8:17601112-17613470	exonic	MTUS1	8	17601112	17613470	5	6	1	6	26	3	12358	8.799558558	-0.99316444	1.052139501	-0.943947489	NA	NA
chr12:112616734-112617201	exonic	HECTD4	12	112616734	112617201	2	1	0	3	0	2	467	1.367621058	-0.989762857	2.320654566	-0.426501588	0.669742391	0.998252924
chr19:16192722-16197350	exonic	TPM4	19	16192722	16197350	2	1	0	3	0	2	4628	1.367621058	-0.989762857	2.320654566	-0.426501588	0.669742391	0.998252924
chr2:63206322-63221112	exonic	EHBP1	2	63206322	63221112	7	8	0	22	6	5	14790	6.90322304	-0.988799287	1.193000891	-0.828833653	0.407198542	0.998252924
chr7:50358643-50367353	exonic	IKZF1	7	50358643	50367353	3	1	0	8	2	0	8710	1.653782552	-0.988730717	2.124172731	-0.465466251	0.6415976	0.998252924
chr9:33996220-34017187	exonic	UBAP2	9	33996220	34017187	0	0	2	0	6	0	20967	1.120702582	-0.985705727	2.93395915	-0.335964366	NA	NA
chr14:88883055-88904247	exonic	SPATA7	14	88883055	88904247	14	0	0	16	11	2	21192	5.454538219	-0.985025751	1.459922401	-0.674711032	NA	NA
chr11:89165951-89182692	exonic	NOX4	11	89165951	89182692	0	2	0	0	1	2	16741	1.086016238	-0.980120715	2.774033182	-0.353319752	0.72384874	0.998252924
chr11:89165951-89185059	exonic	NOX4	11	89165951	89185059	0	2	0	0	1	2	19108	1.086016238	-0.980120715	2.774033182	-0.353319752	0.72384874	0.998252924
chr9:88648196-88655783	exonic	GOLM1	9	88648196	88655783	0	2	0	0	1	2	7587	1.086016238	-0.980120715	2.774033182	-0.353319752	0.72384874	0.998252924
chr17:45695715-45697150	exonic	NPEPPS	17	45695715	45697150	1	0	3	4	3	2	1435	2.125559043	-0.979711826	1.815614597	-0.539603409	0.589470565	0.998252924
chr13:42335263-42407667	exonic	VWA8	13	42335263	42407667	1	0	2	3	1	2	72404	1.579923789	-0.979367958	2.065699844	-0.474109518	0.635421811	0.998252924
chr1:155896466-155896947	exonic	KIAA0907	1	155896466	155896947	3	2	0	4	6	1	481	2.195141107	-0.978544145	1.758060623	-0.556604324	0.577797799	0.998252924
chr16:27224905-27226329	exonic	KDM8	16	27224905	27226329	8	1	2	22	6	0	1424	4.665724396	-0.971990338	1.420615234	-0.684203798	0.493846485	0.998252924
chr16:22236974-22237296	exonic	EEF2K	16	22236974	22237296	3	0	0	6	1	0	322	1.145856561	-0.970898319	2.640710964	-0.367665501	NA	NA
chr6:131481198-131490413	exonic	AKAP7	6	131481198	131490413	3	0	0	6	1	0	9215	1.145856561	-0.970898319	2.640710964	-0.367665501	NA	NA
chr9:113734353-113773970	exonic	LPAR1	9	113734353	113773970	0	4	2	8	5	2	39617	3.163706655	-0.9708093	1.550158679	-0.626264468	0.531141488	0.998252924
chr18:9584512-9595151	exonic	PPP4R1	18	9584512	9595151	0	7	16	32	23	7	10639	12.71936029	-0.96943424	1.06643513	-0.909041922	0.363327998	0.998252924
chr17:57808781-57851246	exonic	VMP1	17	57808781	57851246	4	2	0	5	5	2	42465	2.617630622	-0.968827581	1.627900919	-0.595139157	0.551750456	0.998252924

chr12:19615443-19626289	exonic	AEBP2	12	19615443	19626289	4	1	0	2	5	2	10846	2.124420667	-0.964666461	1.810812465	-0.532725768	0.594223426	0.998252924
chr1:35944566-35944813	exonic	KIAA0319L	1	35944566	35944813	1	0	1	0	5	0	247	0.931393077	-0.959698604	2.902697193	-0.330623052	NA	NA
chr3:52771601-52775515	exonic	NEK4	3	52771601	52775515	7	3	0	7	12	2	3914	4.238681972	-0.959638933	1.381841002	-0.694464075	0.487391223	0.998252924
chr12:112757028-112757546	exonic	HECTD4	12	112757028	112757546	2	0	1	8	0	0	518	1.305733992	-0.959130487	2.54654407	-0.376640051	NA	NA
chr3:197556434-197566268	exonic	LRCH3	3	197556434	197566268	0	0	3	2	7	0	9834	1.651621799	-0.957410484	2.320823045	-0.412530583	0.679950569	0.998252924
chr3:197559067-197566268	exonic	LRCH3	3	197559067	197566268	0	0	3	2	7	0	7201	1.651621799	-0.957410484	2.320823045	-0.412530583	0.679950569	0.998252924
chr11:125255446-125267958	exonic	PKNOX2	11	125255446	125267958	0	2	0	6	0	0	12512	0.986419909	-0.955484746	3.060109954	-0.312238698	NA	NA
chr19:20828490-20829211	exonic	ZNF626	19	20828490	20829211	0	2	0	6	0	0	721	0.986419909	-0.955484746	3.060109954	-0.312238698	NA	NA
chr5:16763589-16766307	exonic	MYO10	5	16763589	16766307	0	2	0	6	0	0	2718	0.986419909	-0.955484746	3.060109954	-0.312238698	NA	NA
chr5:68470704-68471364	exonic	CCNB1	5	68470704	68471364	0	2	0	6	0	0	660	0.986419909	-0.955484746	3.060109954	-0.312238698	NA	NA
chr19:40540857-40542533	exonic	ZNF780B	19	40540857	40542533	0	0	2	2	4	0	1676	1.091270509	-0.95358055	2.684390757	-0.355231647	0.722416058	0.998252924
chr7:123339355-123342219	intronic	WASL	7	123339355	123342219	4	0	0	6	3	0	2864	1.516898347	-0.952438781	2.341296373	-0.406799751	0.68415507	0.998252924
chr3:172223764-172224709	exonic	TNFSF10	3	172223764	172224709	0	0	3	10	0	0	945	1.654920928	-0.951734924	2.559788494	-0.371802173	NA	NA
chr8:18622959-18797803	exonic	PSD3	8	18622959	18797803	0	3	0	0	8	0	174844	1.491046772	-0.949815583	2.648996808	-0.358556711	NA	NA
chr2:239184383-239186596	exonic	PER2	2	239184383	239186596	3	0	2	9	4	0	2213	2.222411033	-0.948808263	1.879154192	-0.504912405	0.613620361	0.998252924
chr17:45438743-45455269	exonic	EFCAB13	17	45438743	45455269	2	0	4	8	2	3	16526	3.064251739	-0.948802976	1.594397804	-0.595085476	0.551786337	0.998252924
chr17:45438743-45456619	exonic	EFCAB13	17	45438743	45456619	2	0	4	8	2	3	17876	3.064251739	-0.948802976	1.594397804	-0.595085476	0.551786337	0.998252924
chr2:188243666-188252483	exonic	CALCRL	2	188243666	188252483	0	1	1	5	1	0	8817	1.024129172	-0.948705957	2.588327625	-0.366532408	NA	NA
chr6:139228631-139235898	exonic	REPS1	6	139228631	139235898	1	1	0	3	2	0	7267	0.864251741	-0.946960401	2.715546493	-0.348718169	0.727300903	0.998252924
chr22:22055265-22065197	exonic	YPEL1	22	22055265	22065197	3	0	0	7	0	0	9932	1.131140524	-0.945555411	2.893181827	-0.326821979	NA	NA
chr2:200233327-200298237	exonic	SATB2	2	200233327	200298237	4	1	1	2	12	0	64910	2.552444428	-0.943633717	1.746597027	-0.540269852	NA	NA
chr1:150202905-150204264	exonic	ANP32E	1	150202905	150204264	3	0	0	0	4	1	1359	1.179289124	-0.94051298	2.638385563	-0.35647291	0.721486436	0.998252924
chr18:12999419-13059311	exonic	CEP192	18	12999419	13059311	3	0	0	0	4	1	59892	1.179289124	-0.94051298	2.638385563	-0.35647291	0.721486436	0.998252924
chr13:76195899-76301234	exonic	LMO7	13	76195899	76301234	3	0	4	11	8	0	105335	3.313681541	-0.940289201	1.639431177	-0.573546004	0.56627506	0.998252924
chr5:179996109-179998432	exonic	CNOT6	5	179996109	179998432	1	0	1	1	4	0	2323	0.916677041	-0.939436396	2.691833819	-0.348994945	NA	NA
chr4:88983057-88987031	exonic	PKD2	4	88983057	88987031	1	0	2	4	2	1	3974	1.499043987	-0.938992782	2.073470445	-0.452860461	0.650649223	0.998252924
chr14:39620949-39628754	exonic	TRAPPC6B	14	39620949	39628754	1	3	1	5	6	1	7805	2.415023431	-0.934811746	1.630053509	-0.573485313	0.566316141	0.998252924
chr1:59805629-59812070	exonic	FGGY	1	59805629	59812070	3	0	2	3	7	1	6441	2.255843596	-0.933496495	1.758772846	-0.53076581	0.595581075	0.998252924
chr10:15590453-15628663	exonic	ITGA8	10	15590453	15628663	4	1	0	6	1	0	38210	1.342745659	-0.931818807	2.328098711	-0.400248839	NA	NA
chr1:227327276-227335260	exonic	CDC42BPA	1	227327276	227335260	3	0	0	2	0	2	7984	1.216020816	-0.931527041	2.61011058	-0.356891791	0.721172815	0.998252924
chr3:170077486-170109048	exonic	SKIL	3	170077486	170109048	3	8	0	5	7	7	31562	5.317446361	-0.930650802	1.331794635	-0.698794527	NA	NA
chr10:7318853-7423911	exonic	SFMBT2	10	7318853	7423911	0	2	0	0	3	1	105058	1.019852472	-0.929145941	2.803351326	-0.331441134	0.740311299	0.998252924
chr18:19140819-19164401	exonic	ESCO1	18	19140819	19164401	0	2	0	0	3	1	23582	1.019852472	-0.929145941	2.803351326	-0.331441134	0.740311299	0.998252924
chr11:113711319-113725057	exonic	USP28	11	113711319	113725057	2	0	0	0	2	1	13738	0.808247338	-0.928872674	3.051588856	-0.30438985	0.7608309	0.998252924
chr13:114174930-114193822	exonic	TMCO3	13	114174930	114193822	2	0	0	0	2	1	18892	0.808247338	-0.928872674	3.051588856	-0.30438985	0.7608309	0.998252924

chr17:35578644-35583373	exonic	ACACA	17	35578644	35583373	2	0	0	0	2	1	4729	0.808247338	-0.928872674	3.051588856	-0.30438985	0.7608309	0.998252924
chr17:58346810-58366043	exonic	USP32	17	58346810	58366043	2	0	0	0	2	1	19233	0.808247338	-0.928872674	3.051588856	-0.30438985	0.7608309	0.998252924
chr4:152095821-152100549	exonic	SH3D19	4	152095821	152100549	2	0	0	0	2	1	4728	0.808247338	-0.928872674	3.051588856	-0.30438985	0.7608309	0.998252924
chr3:5215701-5216099	exonic	ARL8B	3	5215701	5216099	2	4	7	2	24	4	398	6.686115589	-0.928763403	1.217186908	-0.763040908	0.445439	0.998252924
chr2:39107319-39108719	exonic	MORN2	2	39107319	39108719	0	3	2	13	2	0	1400	2.541468299	-0.927949186	1.856804013	-0.499756129	NA	NA
chr6:90571844-90578801	exonic	CASP8AP2	6	90571844	90578801	2	0	2	0	1	4	6957	2.006413794	-0.927566085	2.091515395	-0.443489963	NA	NA
chr19:52785363-52786666	exonic	ZNF766	19	52785363	52786666	10	0	0	5	7	4	1303	3.901492741	-0.927439349	1.585250955	-0.585042606	NA	NA
chr5:102432244-102433485	exonic	GIN1	5	102432244	102433485	2	1	1	5	5	0	1241	1.766212745	-0.927097031	1.920175553	-0.482818891	0.629224336	0.998252924
chr2:69565029-69573131	exonic	GFPT1	2	69565029	69573131	0	0	2	3	3	0	8102	1.076554472	-0.926708565	2.687538983	-0.34481679	0.73023211	0.998252924
chr9:125751575-125752492	exonic	RABGAP1	9	125751575	125752492	0	0	2	3	3	0	917	1.076554472	-0.926708565	2.687538983	-0.34481679	0.73023211	0.998252924
chr18:8076452-8114825	exonic	PTPRM	18	8076452	8114825	4	0	2	0	5	4	38373	2.748497366	-0.924212349	1.819750066	-0.507878728	0.611538393	0.998252924
chr21:17205666-17214859	exonic	USP25	21	17205666	17214859	3	1	1	6	4	1	9193	2.18870226	-0.923835383	1.673778938	-0.551945877	0.580985435	0.998252924
chr19:18650180-18650530	exonic	FKBP8	19	18650180	18650530	20	8	8	81	14	0	350	15.85770355	-0.920665951	1.061458289	-0.867359519	NA	NA
chr14:93760203-93761283	exonic	BTBD7	14	93760203	93761283	1	1	0	4	1	0	1080	0.849535704	-0.913215879	2.757200997	-0.33121121	0.740484953	0.998252924
chr6:159128262-159146669	exonic	SYTL3	6	159128262	159146669	5	0	0	8	3	0	18407	1.85850806	-0.910994589	2.18610591	-0.416720245	0.676883045	0.998252924
chr11:68115314-68133170	exonic	LRP5	11	68115314	68133170	2	1	0	0	0	3	17856	1.356905511	-0.910636375	2.570262606	-0.354297017	NA	NA
chr4:7000811-7006651	exonic	TBC1D14	4	7000811	7006651	2	1	0	0	0	3	5840	1.356905511	-0.910636375	2.570262606	-0.354297017	NA	NA
chr1:175996707-176015460	exonic	RFWD2	1	175996707	176015460	1	0	1	2	3	0	18753	0.901961004	-0.909570936	2.677183816	-0.339749154	0.734045442	0.998252924
chr17:28808160-28811788	exonic	GOSR1	17	28808160	28811788	1	0	1	2	3	0	3628	0.901961004	-0.909570936	2.677183816	-0.339749154	0.734045442	0.998252924
chr7:23015828-23023664	exonic	FAM126A	7	23015828	23023664	0	1	3	4	3	2	7836	2.170847899	-0.908423584	1.807561518	-0.502568557	0.615267641	0.998252924
chr1:35940405-35944813	exonic	KIAA0319L	1	35940405	35944813	1	2	1	1	9	0	4408	1.870365748	-0.907459652	1.967549116	-0.461213214	NA	NA
chr9:131271154-131277918	exonic	GLE1	9	131271154	131277918	2	1	0	4	3	0	6764	1.220577491	-0.905124606	2.351638754	-0.384891006	0.700318169	0.998252924
chr1:153784206-153785928	exonic	GATAD2B	1	153784206	153785928	0	3	0	3	5	0	1722	1.446898662	-0.903298713	2.401111802	-0.376200189	0.706768075	0.998252924
chr14:67431907-67525503	exonic	GPHN	14	67431907	67525503	0	1	2	1	5	1	93596	1.588480953	-0.90194462	2.07580898	-0.434502707	0.66392343	0.998252924
chr11:108098321-108100050	exonic	ATM	11	108098321	108100050	1	0	5	4	8	2	1729	3.125234203	-0.899278764	1.603611303	-0.560783503	NA	NA
chr4:103225474-103246155	exonic	SLC39A8	4	103225474	103246155	0	4	3	8	7	2	20681	3.603030524	-0.898750875	1.47291091	-0.610186854	NA	NA
chr20:33057852-33080402	exonic	ITCH	20	33057852	33080402	4	3	0	8	2	3	22550	3.05597692	-0.898238939	1.565683664	-0.573703973	0.566168139	0.998252924
chr11:36415396-36440853	exonic	PRR5L	11	36415396	36440853	0	0	2	4	2	0	25457	1.061838435	-0.897846986	2.706668634	-0.331716626	0.740103245	0.998252924
chr2:32703702-32704685	exonic	BIRC6	2	32703702	32704685	3	0	0	0	6	0	983	1.113125359	-0.896950255	2.91544696	-0.307654458	NA	NA
chr3:152017193-152018156	exonic	MBNL1	3	152017193	152018156	2	1	1	7	3	0	963	1.736780672	-0.893960994	1.940259472	-0.460743013	0.644982992	0.998252924
chr15:94927250-94945248	exonic	MCTP2	15	94927250	94945248	1	1	1	0	3	2	17998	1.48005125	-0.892023079	2.143368651	-0.416178094	0.677279688	0.998252924
chr7:91924202-91957214	exonic	ANKIB1	7	91924202	91957214	11	2	12	20	16	12	33012	11.89592603	-0.890863204	0.927325972	-0.960679665	0.336713259	0.998252924
chr5:73136304-73136585	exonic	ARHGEF28	5	73136304	73136585	1	1	3	11	3	0	281	2.42757732	-0.890815095	1.75698422	-0.507013714	0.612145196	0.998252924
chr1:70758070-70781249	exonic	ANKRD13C	1	70758070	70781249	8	5	7	11	10	9	23179	6.26981193	-0.890676176	1.187787785	-0.74986137	0.453338202	0.998252924
chr9:127670655-127674305	exonic	GOLGA1	9	127670655	127674305	3	2	0	5	0	3	3650	2.191725179	-0.887905783	1.939492009	-0.45780327	0.647093787	0.998252924

chr1:14104912-14109326	exonic	PRDM2	1	14104912	14109326	5	3	1	10	7	2	4414	3.891774158	-0.887664498	1.319361643	-0.672798473	0.501075509	0.998252924
chr11:107260799-107289013	exonic	CWF19L2	11	107260799	107289013	3	2	0	4	1	3	28214	2.206441215	-0.887400704	1.802136539	-0.49241591	0.622425354	0.998252924
chr10:51829306-51840691	exonic	FAM21A	10	51829306	51840691	0	2	1	4	2	1	11385	1.521339617	-0.886525154	2.064853605	-0.429340439	0.667675492	0.998252924
chrX:102094729-102160665	ncRNA_exonic	LINC00630	X	102094729	102160665	7	0	0	10	5	0	65936	2.57115956	-0.884541248	1.960338367	-0.451218658	0.651831963	0.998252924
chr14:64988204-64990120	exonic	ZBTB1	14	64988204	64990120	0	1	2	2	4	1	1916	1.573764916	-0.884211463	2.047855706	-0.4317743	0.66590546	0.998252924
chr16:31308834-31309275	exonic	ITGAM	16	31308834	31309275	1	0	2	5	3	0	441	1.418164185	-0.883941591	2.239272929	-0.39474491	0.693031155	0.998252924
chr11:102233626-102239279	exonic	BIRC2	11	102233626	102239279	2	1	2	11	0	1	5653	2.304431581	-0.882608169	1.828279415	-0.482753436	0.629270817	0.998252924
chr16:48290520-48337216	exonic	LONP2	16	48290520	48337216	2	1	0	5	2	0	46696	1.205861454	-0.881526065	2.372400671	-0.371575542	0.710208902	0.998252924
chr1:16044387-16047883	exonic	PLEKHM2	1	16044387	16047883	12	4	0	27	10	0	3496	6.325628127	-0.880379046	1.386931656	-0.634767432	0.525580107	0.998252924
chr9:79952170-79986065	exonic	VPS13A	9	79952170	79986065	2	0	1	3	4	0	33895	1.258286754	-0.878395356	2.33021145	-0.376959506	0.706203699	0.998252924
chr1:243708811-244006584	exonic	AKT3	1	243708811	244006584	1	0	1	3	2	0	297773	0.887244967	-0.87752816	2.69037666	-0.326172975	0.744293487	0.998252924
chr2:29356520-29368233	exonic	CLIP4	2	29356520	29368233	1	0	1	3	2	0	11713	0.887244967	-0.87752816	2.69037666	-0.326172975	0.744293487	0.998252924
chr5:158621723-158630664	exonic	RNF145	5	158621723	158630664	0	2	5	0	10	4	8941	3.778045379	-0.877434847	1.68146447	-0.521827766	0.601790256	0.998252924
chr12:32480394-32481489	exonic	BICD1	12	32480394	32481489	1	2	0	0	7	0	1095	1.324730494	-0.877131403	2.541629901	-0.345105872	NA	NA
chr10:31661947-31676195	intronic	ZEB1	10	31661947	31676195	7	3	2	11	4	6	14248	5.323120624	-0.876546958	1.18887425	-0.737291566	0.46094506	0.998252924
chr2:63206322-63223901	exonic	EHBP1	2	63206322	63223901	7	8	1	22	6	5	17579	7.100492066	-0.874999619	1.107641492	-0.789966451	0.429547361	0.998252924
chr19:22157531-22171711	exonic	ZNF208	19	22157531	22171711	24	14	0	53	37	0	14180	15.64806583	-0.87369039	2.112064777	-0.413666474	0.679118383	0.998252924
chr17:65941524-65960520	exonic	BPTF	17	65941524	65960520	3	0	0	2	2	1	18996	1.149857051	-0.873084911	2.436577526	-0.35832429	NA	NA
chr4:128842678-128861152	exonic	MFSB8	4	128842678	128861152	4	4	3	6	12	4	18474	5.127929852	-0.872917181	1.170536701	-0.745740976	0.455823901	0.998252924
chr7:27824781-27839709	exonic	TAX1BP1	7	27824781	27839709	1	4	5	12	4	5	14928	5.11337462	-0.871824142	1.248544761	-0.698272236	0.485006959	0.998252924
chr8:38287199-38287466	exonic	FGFR1	8	38287199	38287466	8	5	0	26	3	1	267	5.338671426	-0.871596331	1.389836294	-0.627121579	NA	NA
chr5:111570330-111576507	exonic	EPB41L4A	5	111570330	111576507	0	0	4	4	3	2	6177	2.193841126	-0.870914065	1.934007265	-0.450315819	NA	NA
chr10:103565801-103567658	exonic	MGEA5	10	103565801	103567658	2	0	0	0	4	0	1857	0.742083573	-0.870617571	3.399572867	-0.256096164	NA	NA
chr10:12070743-12071523	exonic	UPF2	10	12070743	12071523	2	0	0	0	4	0	780	0.742083573	-0.870617571	3.399572867	-0.256096164	NA	NA
chr2:201281101-201284219	exonic	SPATS2L	2	201281101	201284219	2	0	0	0	4	0	3118	0.742083573	-0.870617571	3.399572867	-0.256096164	NA	NA
chr4:120160372-120194863	exonic	USP53	4	120160372	120194863	2	0	0	0	4	0	34491	0.742083573	-0.870617571	3.399572867	-0.256096164	NA	NA
chr5:177046079-177059739	ncRNA_exonic	LOC202181	5	177046079	177059739	2	0	0	0	4	0	13660	0.742083573	-0.870617571	3.399572867	-0.256096164	NA	NA
chr6:34574331-34614575	exonic	C6orf106	6	34574331	34614575	2	0	0	0	4	0	40244	0.742083573	-0.870617571	3.399572867	-0.256096164	NA	NA
chr8:52758220-52773806	exonic	PCMTD1	8	52758220	52773806	0	2	3	2	7	2	15586	2.616610615	-0.870536471	1.69291816	-0.514222419	0.607096495	0.998252924
chr2:215657020-215661841	exonic	BARB1	2	215657020	215661841	1	1	1	0	5	1	4821	1.413887485	-0.870166549	2.181388348	-0.398904922	0.689963262	0.998252924
chr4:25334804-25335610	exonic	ZCCHC4	4	25334804	25335610	4	0	2	8	4	1	806	2.553305199	-0.869988571	1.669764665	-0.521024662	0.602349591	0.998252924
chr2:110577272-110582530	exonic	RGPD5, RGPD6	2	110577272	110582530	1	1	0	5	0	0	5258	0.834819668	-0.869906711	3.007706209	-0.289225958	NA	NA
chr2:32339706-32341281	exonic	SPAST	2	32339706	32341281	1	1	0	5	0	0	1575	0.834819668	-0.869906711	3.007706209	-0.289225958	NA	NA
chr8:93017343-93029591	exonic	RUNX1T1	8	93017343	93029591	3	1	2	11	4	0	12248	2.609309602	-0.869085263	1.666221827	-0.521590372	0.601955568	0.998252924
chr9:112704966-112705661	exonic	PALM2	9	112704966	112705661	5	0	0	0	0	4	695	1.877809149	-0.866607089	3.835552208	-0.225940632	NA	NA

chr20:50071084-50140135	exonic	NFATC2	20	50071084	50140135	0	0	2	5	1	0	69051	1.047122399	-0.8660332	2.750222104	-0.314895731	NA	NA
chr12:105385490-105389804	exonic	C12orf45	12	105385490	105389804	0	2	0	0	5	0	4314	0.953688707	-0.865097475	3.102671878	-0.278823385	NA	NA
chr14:65898755-65922436	UTR5	<small>UTR5(12825...10542...10586641...1060881...127874...12791641...)</small>	14	65898755	65922436	0	2	0	0	5	0	23681	0.953688707	-0.865097475	3.102671878	-0.278823385	NA	NA
chr22:34157358-34161940	exonic	LARGE	22	34157358	34161940	0	2	0	0	5	0	4582	0.953688707	-0.865097475	3.102671878	-0.278823385	NA	NA
chr4:170501992-170511960	exonic	NEK1	4	170501992	170511960	0	2	0	0	5	0	9968	0.953688707	-0.865097475	3.102671878	-0.278823385	NA	NA
chr5:49570822-49707217	exonic	EMB	5	49570822	49707217	0	2	0	0	5	0	136395	0.953688707	-0.865097475	3.102671878	-0.278823385	NA	NA
chr15:63821212-63866602	exonic	USP3	15	63821212	63866602	2	1	2	4	6	1	45390	2.286416416	-0.862563669	1.641432147	-0.525494563	0.599239432	0.998252924
chrX:67412760-67421552	exonic	OPHN1	X	67412760	67421552	0	3	0	5	3	0	8792	1.417466588	-0.861748588	2.414909292	-0.356845116	NA	NA
chr12:80187642-80215970	exonic	PPP1R12A	12	80187642	80215970	0	1	2	1	7	0	28328	1.522317188	-0.861449086	2.249862268	-0.382889699	NA	NA
chr2:71653589-71654544	exonic	ZNF638	2	71653589	71654544	10	3	3	12	20	2	955	6.717226177	-0.859108649	1.098734383	-0.781907495	0.43426894	0.998252924
chr16:70292882-70296427	exonic	AARS	16	70292882	70296427	5	0	0	4	4	1	3545	1.86250855	-0.857489359	2.024045722	-0.42365118	NA	NA
chr7:30590252-30614497	ncRNA_exonic	LOC401320	7	30590252	30614497	3	10	6	2	16	13	24245	9.469236406	-0.855782109	1.112844492	-0.769004219	0.441890806	0.998252924
chr15:62299506-62306191	exonic	VPS13C	15	62299506	62306191	16	9	13	13	30	21	6685	17.68223205	-0.855322791	0.819713474	-1.043441176	0.296744011	0.998252924
chr1:197611840-197627499	exonic	DENND1B	1	197611840	197627499	3	6	4	3	9	9	15659	6.403840156	-0.853872159	1.17133004	-0.728976573	0.466015993	0.998252924
chr19:19407797-19408153	exonic	SUGP1	19	19407797	19408153	2	0	0	2	0	1	356	0.778815265	-0.850784435	3.088290009	-0.275487222	0.782941942	0.998252924
chr2:54119944-54120936	exonic	PSME4	2	54119944	54120936	2	0	0	2	0	1	992	0.778815265	-0.850784435	3.088290009	-0.275487222	0.782941942	0.998252924
chr4:146744573-146770713	exonic	ZNF827	4	146744573	146770713	2	0	0	2	0	1	26140	0.778815265	-0.850784435	3.088290009	-0.275487222	0.782941942	0.998252924
chr1:108724562-108728576	exonic	SLC25A24	1	108724562	108728576	3	0	0	3	1	1	4014	1.135141014	-0.848380669	2.465736558	-0.344067847	NA	NA
chr11:14316016-14317401	exonic	RRAS2	11	14316016	14317401	0	2	0	1	4	0	1385	0.93897267	-0.845803116	2.861002311	-0.295631749	NA	NA
chr13:41826780-41835051	exonic	MTRF1	13	41826780	41835051	0	2	0	1	4	0	8271	0.93897267	-0.845803116	2.861002311	-0.295631749	NA	NA
chr4:41663436-41673611	exonic	LIMCH1	4	41663436	41673611	0	0	4	13	0	0	10175	2.171124109	-0.845586032	3.81861944	-0.221437628	NA	NA
chr22:41531816-41537226	exonic	EP300	22	41531816	41537226	4	0	0	4	2	1	5410	1.491466764	-0.844260875	2.202964461	-0.383238536	NA	NA
chr11:92085261-92088570	exonic	FAT3	11	92085261	92088570	35	9	5	108	4	2	3309	19.65154682	-0.84348177	1.078755077	-0.781902944	NA	NA
chr9:117399269-117401006	exonic	C9orf91	9	117399269	117401006	1	0	1	4	1	0	1737	0.872528931	-0.842995255	2.731462678	-0.308624116	0.757607474	0.998252924
chr1:172109620-172113577	ncRNA_exonic	DNM3OS	1	172109620	172113577	3	0	0	2	4	0	3957	1.083693286	-0.842898861	2.662365936	-0.316597673	0.751548901	0.998252924
chr2:45925080-45928630	intronic	PRKCE	2	45925080	45928630	3	0	0	2	4	0	3550	1.083693286	-0.842898861	2.662365936	-0.316597673	0.751548901	0.998252924
chr7:73114708-73115261	exonic	STX1A	7	73114708	73115261	3	0	0	2	4	0	553	1.083693286	-0.842898861	2.662365936	-0.316597673	0.751548901	0.998252924
chr12:66597490-66622150	exonic	IRAK3	12	66597490	66622150	1	1	3	6	7	0	24660	2.380130082	-0.842798951	1.743208219	-0.483475779	0.628757954	0.998252924
chr1:169947226-170001116	exonic	KIFAP3	1	169947226	170001116	10	8	3	23	11	7	53890	9.209876657	-0.840397725	0.946389295	-0.88800426	0.37453846	0.998252924
chr10:74100546-74100928	exonic	DNAJB12	10	74100546	74100928	0	0	3	8	1	0	382	1.56332558	-0.840305534	2.393996578	-0.35100532	NA	NA
chr4:371862-372152	intergenic	<small>ZNF141 (dist=4171), ABCA11P (dist=47072)</small>	4	371862	372152	5	5	0	0	0	9	290	4.290281188	-0.837878298	3.163645311	-0.26484584	NA	NA
chr14:34394824-34400421	exonic	EGLN3	14	34394824	34400421	2	3	0	8	4	0	5597	2.115402051	-0.83551104	1.907095691	-0.438106511	0.661309075	0.998252924
chr12:111855922-111856681	exonic	SH2B3	12	111855922	111856681	5	1	0	4	2	3	759	2.411166724	-0.8344722	1.738521235	-0.479989651	NA	NA
chr7:77210743-77230123	exonic	PTPN12	7	77210743	77230123	0	0	2	0	3	3	19380	1.591503872	-0.834447565	2.271073158	-0.367424344	NA	NA
chrX:54013510-54014377	exonic	PHF8	X	54013510	54014377	1	2	1	6	4	0	867	1.796785565	-0.834359636	1.914670703	-0.435771872	0.663002254	0.998252924

chr16:58593708-58594266	exonic	CNOT1	16	58593708	58594266	3	2	3	13	7	0	558	3.556559463	-0.83375893	1.466446127	-0.568557491	0.56965648	0.998252924
chr1:70736538-70781249	exonic	ANKRD13C	1	70736538	70781249	2	0	0	1	3	0	44711	0.727367536	-0.833451709	3.136797126	-0.265701502	0.790469106	0.998252924
chr16:70044653-70052000	ncRNA_exonic	PDXDC2P	16	70044653	70052000	2	0	0	1	3	0	7347	0.727367536	-0.833451709	3.136797126	-0.265701502	0.790469106	0.998252924
chr2:24362239-24369956	exonic	FAM228B	2	24362239	24369956	1	0	3	1	3	0	7717	0.727367536	-0.833451709	3.136797126	-0.265701502	0.790469106	0.998252924
chr4:108565957-108581228	exonic	PAPSS1	4	108565957	108581228	0	2	0	3	0	1	15271	0.975704362	-0.832937113	2.841088761	-0.293175322	0.769388146	0.998252924
chr5:179136873-179150020	exonic	CANX	5	179136873	179150020	0	2	0	3	0	1	13147	0.975704362	-0.832937113	2.841088761	-0.293175322	0.769388146	0.998252924
chr14:21464367-21464870	exonic	METTL17	14	21464367	21464870	1	1	0	0	0	2	503	0.919699959	-0.829352889	2.965384365	-0.279678041	0.779724527	0.998252924
chr7:40038959-40087476	exonic	CDK13	7	40038959	40087476	1	1	0	0	0	2	48517	0.919699959	-0.829352889	2.965384365	-0.279678041	0.779724527	0.998252924
chr8:17570722-17613470	exonic	MTUS1	8	17570722	17613470	0	0	1	2	8	1	42748	4.356974155	-0.829344501	1.528964177	-0.542422454	NA	NA
chr5:38991050-39003724	exonic	RICTOR	5	38991050	39003724	3	0	2	4	1	3	12674	2.252427668	-0.828009728	1.794265327	-0.461475633	0.644457399	0.998252924
chr7:44714009-44715748	exonic	OGDH	7	44714009	44715748	1	1	1	3	0	2	1739	1.43590314	-0.823902582	2.15806554	-0.381778295	0.70262582	0.998252924
chr20:46252654-46262380	exonic	NCOA3	20	46252654	46262380	0	2	2	4	0	3	9726	2.092991016	-0.82282665	1.999607727	-0.411494034	0.680710315	0.998252924
chr6:55966269-56006781	exonic	COL21A1	6	55966269	56006781	5	5	0	25	0	0	40512	4.174098338	-0.822712313	2.959758306	-0.277966046	NA	NA
chr15:101775286-101775782	exonic	CHSY1	15	101775286	101775782	3	0	3	12	3	0	496	2.617586792	-0.822041266	1.794004213	-0.458215906	0.646797334	0.998252924
chr2:210968827-211019335	exonic	KANSL1L	2	210968827	211019335	0	3	0	1	5	1	50508	2.411887477	-0.821712759	1.868854635	-0.439687894	NA	NA
chr3:133907680-133914026	exonic	RYK	3	133907680	133914026	2	0	6	1	10	4	6346	3.991048077	-0.820148433	1.537163087	-0.533546792	NA	NA
chr15:90760670-90764997	exonic	SEMA4B	15	90760670	90764997	6	0	0	6	6	0	4327	2.137954498	-0.816267584	2.073094365	-0.393743574	NA	NA
chr9:20907148-20929595	exonic	FOCAD	9	20907148	20929595	4	0	0	4	4	0	22447	1.425302999	-0.816249473	2.388857122	-0.34169037	NA	NA
chr9:20907148-20933102	exonic	FOCAD	9	20907148	20933102	4	0	0	4	4	0	25954	1.425302999	-0.816249473	2.388857122	-0.34169037	NA	NA
chr12:66539620-66547228	exonic	TMBIM4	12	66539620	66547228	3	0	0	3	3	0	7608	1.068977249	-0.816227486	2.665564295	-0.306211892	NA	NA
chr2:71582848-71607695	exonic	ZNF638	2	71582848	71607695	3	0	0	3	3	0	24847	1.068977249	-0.816227486	2.665564295	-0.306211892	NA	NA
chr19:49416267-49416821	exonic	NUCB1	19	49416267	49416821	0	4	2	12	2	1	554	2.917651321	-0.816039388	1.660727653	-0.491374601	0.623161525	0.998252924
chr1:76211490-76216231	exonic	ACADM	1	76211490	76216231	0	2	0	2	3	0	4741	0.924256634	-0.815281407	2.846954032	-0.286369712	0.77459497	0.998252924
chr1:91403041-91447927	exonic	ZNF644	1	91403041	91447927	0	2	0	2	3	0	44886	0.924256634	-0.815281407	2.846954032	-0.286369712	0.77459497	0.998252924
chr12:50488219-50490755	exonic	SMARCD1	12	50488219	50490755	0	2	0	2	3	0	2536	0.924256634	-0.815281407	2.846954032	-0.286369712	0.77459497	0.998252924
chr10:98667021-98711953	exonic	LCOR	10	98667021	98711953	0	0	2	6	0	0	44932	1.032406362	-0.814804204	3.010992493	-0.270609842	NA	NA
chr7:140494107-140508795	exonic	BRAF	7	140494107	140508795	0	0	2	6	0	0	14688	1.032406362	-0.814804204	3.010992493	-0.270609842	NA	NA
chrX:13684436-13686502	downstream	TCEANC (dist=909)	X	13684436	13686502	0	0	2	6	0	0	2066	1.032406362	-0.814804204	3.010992493	-0.270609842	NA	NA
chr15:67524151-67529158	exonic	AAGAB	15	67524151	67529158	9	0	0	7	4	3	5007	3.313827695	-0.808406617	1.664273991	-0.485741303	NA	NA
chr8:74585341-74601048	exonic	STAU2	8	74585341	74601048	5	5	7	14	14	6	15707	7.929251838	-0.80519554	0.982702372	-0.819368674	0.412576102	0.998252924
chr2:136505836-136519481	exonic	UBXN4	2	136505836	136519481	4	0	1	4	0	3	13645	2.063118164	-0.805041965	2.007975598	-0.400922186	0.688477415	0.998252924
chr17:64023618-64026141	exonic	CEP112	17	64023618	64026141	5	1	0	5	3	2	2523	2.330286922	-0.803063707	1.733978684	-0.463133552	NA	NA
chr6:155095123-155154543	exonic	SCAF8	6	155095123	155154543	5	2	0	0	3	5	59420	2.897661621	-0.801116635	1.809564427	-0.442712414	0.657973762	0.998252924
chr3:119582265-119624699	exonic	GSK3B	3	119582265	119624699	4	3	1	7	0	5	42434	3.521316934	-0.798948644	1.561659557	-0.511602314	0.608929365	0.998252924
chr7:11091238-11151094	exonic	PHF14	7	11091238	11151094	1	7	0	10	3	3	59856	3.69976948	-0.798529781	1.527821721	-0.522659006	NA	NA

chr8:71126137-71128999	exonic	NCOA2	8	71126137	71128999	15	4	4	17	13	9	2862	9.57560095	-0.798397855	0.947905969	-0.842275374	NA	NA
chr1:246754813-246755243	exonic	CNST	1	246754813	246755243	1	2	0	4	3	0	430	1.265866347	-0.797561655	2.324761641	-0.343072443	0.731543962	0.998252924
chr15:76566752-76585041	exonic	ETFA	15	76566752	76585041	0	4	4	8	4	4	18289	4.053654502	-0.796125192	1.426895285	-0.557942268	0.576883807	0.998252924
chr16:19627435-19637545	exonic	C16orf62	16	19627435	19637545	1	0	1	5	0	0	10110	0.857812894	-0.794950113	2.978463951	-0.266899357	NA	NA
chr7:77210743-77227218	exonic	PTPN12	7	77210743	77227218	1	2	0	0	0	3	16475	1.402194367	-0.794798651	2.544499843	-0.312359481	NA	NA
chr22:41568502-41569788	exonic	EP300	22	41568502	41569788	3	0	1	0	6	1	1286	1.618612993	-0.794719288	2.196057496	-0.361884554	0.717438303	0.998252924
chr1:31532050-31532424	exonic	PUM1	1	31532050	31532424	2	0	0	2	2	0	374	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr10:15838098-15889942	exonic	FAM188A	10	15838098	15889942	2	0	0	2	2	0	51844	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr11:10011043-10024236	exonic	SBF2	11	10011043	10024236	2	0	0	2	2	0	13193	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr2:15629017-15674765	exonic	NBAS	2	15629017	15674765	2	0	0	2	2	0	45748	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr3:149238618-149245756	exonic	WWTR1	3	149238618	149245756	2	0	0	2	2	0	7138	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr4:36179448-36231267	exonic	ARAP2	4	36179448	36231267	2	0	0	2	2	0	51819	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr4:36189072-36231267	exonic	ARAP2	4	36189072	36231267	2	0	0	2	2	0	42195	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr5:137342678-137347634	exonic	FAM13B	5	137342678	137347634	2	0	0	2	2	0	4956	0.712651499	-0.79402595	3.138857354	-0.252966561	0.800294054	0.998252924
chr2:167304121-167328955	exonic	SCN7A	2	167304121	167328955	25	6	6	71	12	1	24834	14.76259853	-0.793959551	1.026502706	-0.773460748	NA	NA
chr1:67411832-67428843	exonic	MIER1	1	67411832	67428843	0	0	2	0	3	1	17011	1.065838925	-0.793072536	2.761323954	-0.28720735	0.773953558	0.998252924
chr5:54941616-54960691	exonic	SLC38A9	5	54941616	54960691	0	0	2	0	3	1	19075	1.065838925	-0.793072536	2.761323954	-0.28720735	0.773953558	0.998252924
chr8:74585341-74650584	exonic	STAU2	8	74585341	74650584	0	0	2	0	3	1	65243	1.065838925	-0.793072536	2.761323954	-0.28720735	0.773953558	0.998252924
chr12:105255068-105322472	exonic	SLC41A2	12	105255068	105322472	0	1	1	1	3	0	67404	0.961965897	-0.792308855	2.647183781	-0.29930255	NA	NA
chr15:51743841-51745838	exonic	DMXL2	15	51743841	51745838	0	1	1	1	4	0	1997	0.961965897	-0.792308855	2.647183781	-0.29930255	NA	NA
chr1:155747413-155753880	exonic	GON4L	1	155747413	155753880	3	0	0	4	2	0	6467	1.054261213	-0.789093719	2.685112872	-0.293877299	0.768851665	0.998252924
chr1:172520651-172555088	exonic	SUCO	1	172520651	172555088	3	0	0	4	2	0	34437	1.054261213	-0.789093719	2.685112872	-0.293877299	0.768851665	0.998252924
chr2:44021595-44028848	exonic	DYNC2LI1	2	44021595	44028848	3	0	0	4	2	0	7253	1.054261213	-0.789093719	2.685112872	-0.293877299	0.768851665	0.998252924
chr5:55256229-55264224	exonic	IL6ST	5	55256229	55264224	3	0	0	4	2	0	7995	1.054261213	-0.789093719	2.685112872	-0.293877299	0.768851665	0.998252924
chr7:150814181-150815719	exonic	AGAP3	7	150814181	150815719	3	0	0	4	2	0	1538	1.054261213	-0.789093719	2.685112872	-0.293877299	0.768851665	0.998252924
chr2:32602655-32620661	exonic	BIRC6	2	32602655	32620661	0	4	1	2	8	1	18006	2.383432975	-0.787211157	1.789239473	-0.439969702	NA	NA
chr12:22796696-22826594	exonic	ETNK1	12	22796696	22826594	1	0	2	3	0	2	29898	1.458896367	-0.785734505	2.27622475	-0.34519197	0.729950055	0.998252924
chr11:77336007-77340944	exonic	CLNS1A	11	77336007	77340944	0	2	0	3	2	0	4937	0.909540597	-0.782467348	2.8615691	-0.273439963	0.784515037	0.998252924
chr7:44684925-44687358	exonic	OGDH	7	44684925	44687358	0	2	0	3	2	0	2433	0.909540597	-0.782467348	2.8615691	-0.273439963	0.784515037	0.998252924
chr8:141828375-141889736	exonic	PTK2	8	141828375	141889736	2	7	2	9	3	0	61361	0.909540597	-0.782467348	2.8615691	-0.273439963	0.784515037	0.998252924
chr8:141840570-141889736	exonic	PTK2	8	141840570	141889736	2	7	2	9	3	0	49166	0.909540597	-0.782467348	2.8615691	-0.273439963	0.784515037	0.998252924
chr7:74171151-74172333	exonic	GTF2I	7	74171151	74172333	4	5	6	10	19	3	1182	6.858231612	-0.780068393	1.065173097	-0.732339556	NA	NA
chr13:28748408-28752072	exonic	PAN3	13	28748408	28752072	2	4	0	4	3	3	3664	2.668060714	-0.779864181	1.64622195	-0.47372967	0.635692693	0.998252924
chr8:141799572-141900868	exonic	PTK2	8	141799572	141900868	5	4	0	9	4	3	101296	3.70760589	-0.777447168	1.433012864	-0.542526301	0.587455994	0.998252924
chr12:80192273-80215970	exonic	PPP1R12A	12	80192273	80215970	1	0	2	0	7	0	23697	1.370716946	-0.77685332	2.515443385	-0.308833554	NA	NA

chr10:116719484-116734144	exonic	TRUB1	10	116719484	116734144	5	0	2	6	9	0	14660	2.766587872	-0.776622778	1.738500722	-0.446719848	0.655077349	0.998252924
chr18:6301901-6312055	exonic	L3MBTL4	18	6301901	6312055	4	0	0	6	2	0	10154	1.395870926	-0.774920032	2.423289449	-0.31978022	0.749134943	0.998252924
chr15:63988322-64008672	exonic	HERC1	15	63988322	64008672	9	5	3	17	10	3	20350	8.780046064	-0.773861841	0.979451501	-0.790097152	0.429471033	0.998252924
chr3:195435004-195435712	ncRNA_exonic	LINCO0969	3	195435004	195435712	2	0	1	7	0	0	708	1.199422607	-0.771853389	2.616244266	-0.295023442	NA	NA
chr18:9931806-9937063	exonic	VAPA	18	9931806	9937063	6	0	9	6	11	8	5257	6.984261707	-0.77137013	1.220335158	-0.632096949	0.527323529	0.998252924
chr10:7318853-7327916	exonic	SFMBT2	10	7318853	7327916	8	8	0	9	12	6	9063	6.684545116	-0.771074438	1.180151071	-0.653369266	NA	NA
chr4:56277780-56284152	exonic	TMEM165	4	56277780	56284152	0	6	9	4	18	7	6372	7.582345419	-0.763814112	1.238250265	-0.616849545	0.537333969	0.998252924
chr7:158528193-158531812	exonic	ESYT2	7	158528193	158531812	1	3	0	4	3	1	3619	1.748360755	-0.763658602	1.941896813	-0.393253955	0.694131923	0.998252924
chr14:50616725-50616948	exonic	SOS2	14	50616725	50616948	5	3	0	4	6	3	223	3.243828009	-0.763645284	1.506080646	-0.50704143	0.61212575	0.998252924
chr15:75702176-75705386	exonic	SIN3A	15	75702176	75705386	0	1	1	2	3	0	3210	0.94724986	-0.763172454	2.631670915	-0.289995398	0.771819759	0.998252924
chr4:128590190-128609022	exonic	INTU	4	128590190	128609022	0	1	1	2	3	0	18832	0.94724986	-0.763172454	2.631670915	-0.289995398	0.771819759	0.998252924
chr11:117030649-117034608	exonic	PAFAH1B2	11	117030649	117034608	1	1	0	0	2	1	3959	0.853536194	-0.761317409	2.79124322	-0.272752086	0.785043794	0.998252924
chr11:62406454-62407203	exonic	GANAB	11	62406454	62407203	1	1	1	4	3	0	749	1.288859573	-0.761197955	2.175090493	-0.349961511	0.726367583	0.998252924
chr16:74493579-74497377	exonic	GLG1	16	74493579	74497377	0	0	5	4	7	1	3798	2.56700123	-0.760916949	1.855110753	-0.410173326	NA	NA
chr15:52161413-52194233	exonic	TMOD3	15	52161413	52194233	1	3	3	10	3	2	32820	3.286254751	-0.760177006	1.444086785	-0.526406733	0.598605639	0.998252924
chr2:73784346-73786269	exonic	ALMS1	2	73784346	73786269	2	0	1	0	4	1	1923	1.247571207	-0.759187723	2.404839186	-0.31569168	0.752236542	0.998252924
chr2:43939363-43968182	exonic	PLEKHH2	2	43939363	43968182	2	1	2	10	2	0	28819	2.131956431	-0.755639412	1.815153974	-0.416294938	NA	NA
chr3:136085784-136141886	exonic	STAG1	3	136085784	136141886	4	1	0	0	3	3	56102	1.977961662	-0.755579585	2.04571748	-0.369346986	0.711869108	0.998252924
chr10:24508554-24508838	exonic	KIAA1217	10	24508554	24508838	0	1	6	19	1	0	284	3.498833692	-0.753843999	1.79151111	-0.420786672	NA	NA
chr7:127344892-127361454	exonic	SND1	7	127344892	127361454	2	5	0	10	4	1	16562	2.984795028	-0.753667119	1.600997718	-0.470748403	0.637820415	0.998252924
chr10:99502850-99504672	exonic	ZFYVE27	10	99502850	99504672	2	0	0	3	1	0	1822	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr12:112667501-112670889	exonic	HECTD4	12	112667501	112670889	2	0	0	3	1	0	3388	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr12:93244886-93246801	exonic	EEA1	12	93244886	93246801	2	0	0	3	1	0	1915	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr13:96577933-96592345	exonic	UGGT2	13	96577933	96592345	2	0	0	3	1	0	14412	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr16:89371613-89383486	exonic	ANKRD11	16	89371613	89383486	0	0	0	3	1	0	11873	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr19:11168930-11170863	exonic	SMARCA4	19	11168930	11170863	2	0	0	3	1	0	1933	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr7:73456943-73459623	exonic	ELN	7	73456943	73459623	2	0	0	3	1	0	2680	0.697935463	-0.753030057	3.182487175	-0.236616839	0.812954055	0.998252924
chr9:88284399-88327481	exonic	AGTPBP1	9	88284399	88327481	1	0	3	1	2	3	43082	1.993816074	-0.752528283	1.931149382	-0.38967896	0.696773956	0.998252924
chr20:30954187-30959677	exonic	ASXL1	20	30954187	30959677	11	6	0	15	7	6	5490	6.755685548	-0.752095332	1.183526223	-0.635469934	NA	NA
chr4:15613888-15646331	exonic	FBXL5	4	15613888	15646331	1	0	1	0	0	2	32443	0.942693186	-0.751985668	2.939858421	-0.255789756	0.798113184	0.998252924
chr12:69983264-69985939	exonic	CCT2	12	69983264	69985939	2	4	4	7	10	3	2675	4.623262924	-0.749650911	1.228422145	-0.610255126	0.541692818	0.998252924
chr16:18852886-18856973	exonic	SMG1	16	18852886	18856973	3	0	2	7	2	1	4087	2.075952028	-0.748812013	1.815767246	-0.412394273	0.68005046	0.998252924
chr17:8411871-8413267	exonic	MYH10	17	8411871	8413267	0	3	0	3	2	1	1396	1.392035005	-0.747271036	2.279069198	-0.327884312	NA	NA
chr22:30374430-30387659	exonic	MTMR3	22	30374430	30387659	0	3	0	3	2	1	13229	1.392035005	-0.747271036	2.279069198	-0.327884312	NA	NA
chr2:24786773-24807429	UTR5	-----	2	24786773	24807429	0	0	3	4	4	0	20656	1.501162304	-0.744692108	2.369951115	-0.314222561	NA	NA

chr1:213290658-213303232	exonic	RPS6KC1	1	213290658	213303232	2	0	2	4	5	0	12574	1.682894586	-0.743111116	2.072782299	-0.358509003	0.719962432	0.998252924
chr7:11101417-11151094	exonic	PHF14	7	11101417	11151094	0	7	1	10	3	3	49677	3.768051562	-0.740529661	1.525886829	-0.485310999	NA	NA
chr10:51584615-51585599	exonic	NCOA4	10	51584615	51585599	2	0	1	2	0	2	984	1.284302899	-0.736853268	2.382254105	-0.309309266	0.757086283	0.998252924
chr10:70227879-70229920	exonic	DNA2	10	70227879	70229920	1	3	1	9	3	0	2041	2.168968097	-0.73595285	1.806648976	-0.407357965	0.683745095	0.998252924
chr1:185143503-185144245	exonic	SWT1	1	185143503	185144245	3	0	0	0	1	2	742	1.124425468	-0.735480623	2.714433628	-0.27095178	NA	NA
chr5:145176004-145205763	exonic	PRELID2	5	145176004	145205763	1	0	2	4	1	1	29759	1.378016565	-0.735392169	2.161176827	-0.340273947	0.733650235	0.998252924
chr4:83799882-83803090	exonic	SEC31A	4	83799882	83803090	1	3	0	4	5	0	3208	1.68219699	-0.735297239	2.094577077	-0.351048069	0.725552286	0.998252924
chr20:50133322-50140135	exonic	NFATC2	20	50133322	50140135	2	2	6	16	1	0	6813	1.828055981	-0.733893207	2.050248061	-0.357953372	0.720378208	0.998252924
chr9:88920106-88924932	exonic	ZCCHC6	9	88920106	88924932	3	2	10	5	24	3	4826	7.069073557	-0.733882549	1.173813964	-0.625211977	NA	NA
chr3:114412375-114436374	UTR5		3	114412375	114436374	0	3	4	0	8	4	23999	3.512997309	-0.733825437	1.698370144	-0.43207627	NA	NA
chr16:88052034-88071617	exonic	BANP	16	88052034	88071617	3	0	0	6	0	0	19583	1.024829139	-0.73115626	2.993913621	-0.244214213	NA	NA
chr22:38083916-38084999	exonic	NOL12	22	38083916	38084999	3	0	0	6	0	0	1083	1.024829139	-0.73115626	2.993913621	-0.244214213	NA	NA
chr8:8779799-8780260	intergenic	MPHAS1 (dist=28668), ER11 (dist=80054)	8	8779799	8780260	3	0	0	6	0	0	461	1.024829139	-0.73115626	2.993913621	-0.244214213	NA	NA
chr1:154145383-154148724	exonic	TPM3	1	154145383	154148724	4	0	0	8	0	0	3341	1.366438852	-0.730392419	2.701299407	-0.270385585	NA	NA
chr15:43164808-43170882	exonic	TTBK2	15	43164808	43170882	4	0	0	8	0	0	6074	1.366438852	-0.730392419	2.701299407	-0.270385585	NA	NA
chr1:243468014-243589860	exonic	SDCCAG8	1	243468014	243589860	0	1	0	3	1	1	121846	1.874529413	-0.727489004	2.049605115	-0.354941056	NA	NA
chr8:42780699-42798588	exonic	HOOK3	8	42780699	42798588	1	2	2	1	6	2	17889	2.320989726	-0.727167422	1.684294779	-0.431734059	0.66593471	0.998252924
chr16:2607703-2616454	exonic	PDPK1	16	2607703	2616454	1	3	0	6	1	1	8751	1.718928681	-0.727005284	1.998120325	-0.363844597	0.715974058	0.998252924
chr17:3717615-3719564	exonic	NCBP3	17	3717615	3719564	0	0	2	0	5	0	1949	0.99967516	-0.723358484	3.051230925	-0.237071038	NA	NA
chrX:76932540-76934088	intronic	ATRX	X	76932540	76934088	0	0	2	0	5	0	1548	0.99967516	-0.723358484	3.051230925	-0.237071038	NA	NA
chr4:128995614-129012667	exonic	LARP1B	4	128995614	129012667	3	2	0	2	8	0	17053	1.916354571	-0.720964597	2.000037434	-0.360475551	NA	NA
chr20:60714130-60716000	exonic	PSMA7	20	60714130	60716000	10	3	4	26	9	1	1870	6.763334346	-0.719684515	1.134057942	-0.634610004	0.525682802	0.998252924
chr3:138413627-138417937	exonic	PIK3CB	3	138413627	138417937	1	1	0	0	4	0	4310	0.787372429	-0.719448199	3.076231122	-0.23387326	NA	NA
chr3:167217940-167254788	exonic	WDR49	3	167217940	167254788	1	1	0	0	4	0	36848	0.787372429	-0.719448199	3.076231122	-0.23387326	NA	NA
chr5:112889463-112899189	exonic	YTHDC2	5	112889463	112899189	1	1	0	0	4	0	9726	0.787372429	-0.719448199	3.076231122	-0.23387326	NA	NA
chr9:99220660-99233376	exonic	HABP4	9	99220660	99233376	3	3	1	8	3	2	12716	2.937067815	-0.718026641	1.476747042	-0.486221824	0.626809899	0.998252924
chr16:4382216-4383520	exonic	GLIS2	16	4382216	4383520	31	13	4	81	16	3	1304	18.52557349	-0.717790075	0.939663411	-0.763879988	NA	NA
chr14:89041036-89044484	exonic	ZC3H14	14	89041036	89044484	3	0	3	5	6	1	3448	2.54470797	-0.717603915	1.66527524	-0.430922107	0.666525009	0.998252924
chr2:36668400-36669878	exonic	CRIM1	2	36668400	36669878	6	0	1	9	5	0	1478	2.533130258	-0.714073432	1.819138346	-0.392533879	0.694663784	0.998252924
chr1:203458872-203459307	UTR3		1	203458872	203459307	2	0	0	4	0	0	435	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr1:6867043-6885270	exonic	CAMTA1	1	6867043	6885270	2	0	0	4	0	0	18227	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr10:15600072-15628663	exonic	ITGA8	10	15600072	15628663	2	0	0	4	0	0	28591	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr10:21157593-21188379	exonic	NEBL	10	21157593	21188379	2	0	0	4	0	0	30786	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr10:24764056-24781869	intronic	KIAA1217	10	24764056	24781869	2	0	0	4	0	0	17813	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr12:5915217-6031970	exonic	ANO2	12	5915217	6031970	5	4	0	1	0	0	116753	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA

chr14:89628045-89647150	exonic	FOXN3	14	89628045	89647150	2	0	0	4	0	0	19105	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr16:21973780-21987564	exonic	UQCRC2	16	21973780	21987564	2	2	0	1	0	0	13784	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr2:128747137-128754065	exonic	SAP130	2	128747137	128754065	2	0	0	4	0	0	6928	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr2:203620260-203624076	exonic	FAM117B	2	203620260	203624076	2	0	0	4	0	0	3816	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr2:61339653-61345251	exonic	KIAA1841	2	61339653	61345251	2	0	0	4	0	0	5598	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr3:71733723-71759635	exonic	EIF4E3	3	71733723	71759635	2	0	0	4	0	0	25912	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr4:152080391-152100549	exonic	SH3D19	4	152080391	152100549	2	0	0	4	0	0	20158	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr5:154244751-154252211	exonic	CNOT8	5	154244751	154252211	2	0	0	4	0	0	7460	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr8:68030482-68049838	exonic	CSPP1	8	68030482	68049838	2	0	0	4	0	0	19356	0.683219426	-0.713878997	3.502205441	-0.203836985	NA	NA
chr4:140046317-140059021	exonic	ELF2	4	140046317	140059021	9	2	3	13	3	6	12704	5.695683085	-0.7130146	1.187531378	-0.600417482	0.54822804	0.998252924
chr1:100459092-100464971	exonic	SLC35A3	1	100459092	100464971	1	0	0	0	2	0	5879	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:10327437-10332364	exonic	KIF1B	1	10327437	10332364	1	0	0	0	2	0	4927	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:108697604-108728576	exonic	SLC25A24	1	108697604	108728576	1	0	0	0	2	0	30972	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:179304640-179312770	exonic	SOAT1	1	179304640	179312770	0	1	0	0	2	0	8130	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:179972308-179993717	exonic	CEP350	1	179972308	179993717	1	0	0	0	2	0	21409	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:183866941-183869370	exonic	RGL1	1	183866941	183869370	1	0	0	0	2	0	2429	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:220363044-220364626	exonic	RAB3GAP2	1	220363044	220364626	0	1	0	0	2	0	1582	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:32691771-32692131	exonic	EIF3I	1	32691771	32692131	0	1	0	0	2	0	360	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr10:126172707-126186697	exonic	LHPP	10	126172707	126186697	0	1	0	0	2	0	13990	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr10:22002700-22024164	exonic	MLLT10	10	22002700	22024164	0	1	0	0	2	0	21464	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr10:50678227-50714058	exonic	ERCC6	10	50678227	50714058	1	0	0	0	2	0	35831	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr10:70252888-70253327	exonic	SLC25A16	10	70252888	70253327	0	1	0	0	2	0	439	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:119167627-119168191	exonic	CBL	11	119167627	119168191	0	1	0	0	2	0	564	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:35219667-35232996	exonic	CD44	11	35219667	35232996	1	0	0	0	2	0	13329	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:36654833-36669705	exonic	C11orf74	11	36654833	36669705	1	0	0	0	2	0	14872	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:72468811-72470426	exonic	STARD10	11	72468811	72470426	1	0	0	0	2	0	1615	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:72578909-72600990	exonic	FCHSD2	11	72578909	72600990	0	1	0	0	2	0	22081	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:112229864-112236046	exonic	ALDH2	12	112229864	112236046	1	0	0	0	2	0	6182	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:123062218-123065217	exonic	KNTC1	12	123062218	123065217	0	1	0	0	2	0	2999	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:30881581-30904067	exonic	CAPRN2	12	30881581	30904067	1	0	0	0	2	0	22486	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:69210591-69218431	exonic	MDM2	12	69210591	69218431	0	1	0	0	2	0	7840	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:89853414-89861462	exonic	POC1B	12	89853414	89861462	0	1	0	0	2	0	8048	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr13:20576989-20580726	exonic	ZMYM2	13	20576989	20580726	1	0	0	0	2	0	3737	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr13:41890981-41894960	exonic	NAA16	13	41890981	41894960	1	0	0	0	2	0	3979	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr14:102909983-102912284	exonic	TECPR2	14	102909983	102912284	0	1	0	0	2	0	2301	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924

chr14:35263954-35331528	exonic	BAZ1A	14	35263954	35331528	1	0	0	0	2	0	67574	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr14:78043109-78045452	exonic	SPTLC2	14	78043109	78045452	0	1	0	0	2	0	2343	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr15:35182415-35189906	exonic	AQR	15	35182415	35189906	0	1	0	0	2	0	7491	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr15:41347444-41350979	exonic	INO80	15	41347444	41350979	0	1	0	0	2	0	3535	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr15:72180344-72197347	exonic	MYO9A	15	72180344	72197347	1	0	0	0	2	0	17003	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr16:16101672-16142160	exonic	ABCC1	16	16101672	16142160	0	1	0	0	2	0	40488	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr16:19474601-19483565	exonic	TMC5	16	19474601	19483565	0	1	0	0	2	0	8964	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr16:68845586-68849662	exonic	CDH1	16	68845586	68849662	0	1	0	0	2	0	4076	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr17:35800605-35802753	exonic	TADA2A	17	35800605	35802753	1	0	0	0	2	0	2148	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr17:58756813-58767122	exonic	BCAS3	17	58756813	58767122	0	1	0	0	2	0	10309	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr18:10855350-10871413	exonic	PIEZO2	18	10855350	10871413	0	1	0	0	2	0	16063	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr18:54385194-54398828	exonic	WDR7	18	54385194	54398828	0	1	0	0	2	0	13634	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr19:23316881-23318845	exonic	ZNF730	19	23316881	23318845	0	1	0	0	2	0	1964	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr19:34935904-34955036	exonic	UBA2	19	34935904	34955036	0	1	0	0	2	0	19132	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:100046301-100052403	exonic	REV1	2	100046301	100052403	1	0	0	0	2	0	6102	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:153001401-153004814	exonic	STAM2	2	153001401	153004814	1	0	0	0	2	0	3413	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:160599571-160609082	exonic		2	160599571	160609082	1	0	0	0	2	0	9511	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:175945387-175986268	exonic	ATF2	2	175945387	175986268	1	0	0	0	2	0	40881	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:183859566-183860566	exonic	NCKAP1	2	183859566	183860566	1	0	0	0	2	0	1000	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:191765289-191792208	exonic	GLS	2	191765289	191792208	7	9	8	10	14	0	26919	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:230701563-230724290	exonic	TRIP12	2	230701563	230724290	1	0	0	0	2	0	22727	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:24896234-24920667	exonic	NCOA1	2	24896234	24920667	1	0	0	0	2	0	24433	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:43732760-43755127	exonic	THADA	2	43732760	43755127	0	1	0	0	2	0	22367	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:55791448-55800913	exonic	PPP4R3B	2	55791448	55800913	1	0	0	0	2	0	9465	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:85769687-85770157	exonic	MAT2A	2	85769687	85770157	0	1	0	0	2	0	470	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr21:17150222-17205867	exonic	USP25	21	17150222	17205867	4	0	0	0	1	0	55645	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr22:41550998-41553412	exonic	EP300	22	41550998	41553412	1	0	0	0	2	0	2414	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr22:43213147-43213863	exonic	ARFGAP3	22	43213147	43213863	0	1	0	0	2	0	716	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:113045291-113063559	exonic	CFAP44	3	113045291	113063559	1	0	0	0	2	0	18268	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:180665652-180669256	exonic	FXR1	3	180665652	180669256	1	0	0	0	2	0	3604	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:37116514-37138151	exonic	LRRFIP2	3	37116514	37138151	0	1	0	0	2	0	21637	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:47084050-47108608	exonic	SETD2	3	47084050	47108608	0	1	0	0	2	0	24558	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:47727538-47742892	exonic	SMARCC1	3	47727538	47742892	1	0	0	0	2	0	15354	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:9486731-9487424	exonic	SETD5	3	9486731	9487424	0	1	0	0	2	0	693	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr4:107092251-107157965	exonic	TBCK	4	107092251	107157965	1	0	0	0	2	0	65714	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924

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chr4:107092251-107173164	exonic	TBCK	4	107092251	107173164	0	1	0	0	2	0	80913	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr4:1696500-1705427	exonic	SLBP	4	1696500	1705427	1	0	0	0	2	0	8927	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr4:48592675-48607850	exonic	FRYL	4	48592675	48607850	0	1	0	0	2	0	15175	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr4:6998051-7006651	exonic	TBC1D14	4	6998051	7006651	0	1	0	0	2	0	8600	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:125939261-125939875	exonic	PHAX	5	125939261	125939875	1	0	0	0	2	0	614	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:132227855-132232932	exonic	AFF4	5	132227855	132232932	1	0	0	0	2	0	5077	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:137759763-137761271	exonic	KDM3B	5	137759763	137761271	0	1	0	0	2	0	1508	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:149416500-149416936	exonic	HMGXB3	5	149416500	149416936	1	0	0	0	2	0	436	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:167993017-167993271	exonic	PANK3	5	167993017	167993271	0	1	0	0	2	0	254	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:31448653-31451747	exonic	DROSHA	5	31448653	31451747	1	0	0	0	2	0	3094	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:74412390-74414122	exonic	ANKRD31	5	74412390	74414122	1	0	0	0	2	0	1732	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:108222573-108246136	exonic	SEC63	6	108222573	108246136	0	1	0	0	2	0	23563	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:131481198-131520713	exonic	AKAP7	6	131481198	131520713	1	0	0	0	2	0	39515	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:144772505-144809970	exonic	UTRN	6	144772505	144809970	1	0	0	0	2	0	37465	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:30303521-30308397	exonic	TRIM39, TRIM39-RPP21	6	30303521	30308397	1	0	0	0	2	0	4876	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:30856464-30857207	exonic	DDR1	6	30856464	30857207	0	1	0	0	2	0	743	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:42571325-42580029	exonic	UBR2	6	42571325	42580029	1	0	0	0	2	0	8704	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr7:111535667-111585853	exonic	DOCK4	7	111535667	111585853	0	1	0	0	2	0	50186	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr7:158540884-158560465	exonic	ESYT2	7	158540884	158560465	0	1	0	0	2	0	19581	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr7:77016676-77035422	exonic	GSAP	7	77016676	77035422	0	1	0	0	2	0	18746	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr7:91855033-91864237	exonic	KRIT1	7	91855033	91864237	1	0	0	0	2	0	9204	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr8:17570722-17601308	exonic	MTUS1	8	17570722	17601308	0	1	0	0	2	0	30586	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr8:64087889-64100303	exonic	YTHDF3	8	64087889	64100303	0	1	0	0	2	0	12414	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr9:113703700-113735838	exonic	LPAR1	9	113703700	113735838	0	1	0	0	2	0	32138	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr9:128230250-128246862	exonic	MAPKAP1	9	128230250	128246862	0	1	0	0	2	0	16612	0.416330643	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr9:33941646-33948585	exonic	UBAP2	9	33941646	33948585	1	0	0	0	2	0	6939	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chrX:149761066-149787612	exonic	MTM1	X	149761066	149787612	1	0	0	0	2	0	26546	0.371041786	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:109884635-109888500	exonic	SORT1	1	109884635	109888500	0	0	1	0	2	0	3865	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:197141289-197161029	exonic	ZBTB41	1	197141289	197161029	0	0	1	0	2	0	19740	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:237023132-237026854	exonic	MTR	1	237023132	237026854	0	0	1	0	2	0	3722	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr1:28944464-28948677	exonic	TAF12	1	28944464	28948677	0	0	1	0	2	0	4213	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr10:12123470-12155063	exonic	DHTKD1	10	12123470	12155063	3	11	1	4	5	0	31593	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:68312305-68318654	exonic	PPP6R3	11	68312305	68318654	0	0	1	0	2	0	6349	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr11:85685750-85737409	exonic	PICALM	11	85685750	85737409	0	3	1	0	0	0	51659	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:109186061-109186605	exonic	SSH1	12	109186061	109186605	0	0	1	0	2	0	544	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924

chr12:110941610-110944498	exonic	RAD9B	12	110941610	110944498	0	0	1	0	2	0	2888	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:30818153-30822216	exonic	IPO8	12	30818153	30822216	0	0	1	0	2	0	4063	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:30878899-30904067	exonic	CAPRIN2	12	30878899	30904067	0	0	1	0	2	0	25168	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr12:62892698-62895478	exonic	MON2	12	62892698	62895478	0	0	1	0	2	0	2780	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr13:95686858-95715113	exonic	ABCC4	13	95686858	95715113	0	0	1	0	2	0	28255	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr14:103894723-103928798	exonic	MARK3	14	103894723	103928798	0	0	1	0	2	0	34075	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr14:50619787-50625364	exonic	SOS2	14	50619787	50625364	0	0	1	0	2	0	5577	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr14:64465631-64467437	exonic	SYNE2	14	64465631	64467437	0	0	1	0	2	0	1806	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr14:92264128-92280169	exonic	TC2N	14	92264128	92280169	0	0	1	0	2	0	16041	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr15:43313472-43317627	exonic	UBR1	15	43313472	43317627	0	0	1	0	2	0	4155	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr15:56680669-56704634	exonic	TEX9	15	56680669	56704634	0	0	1	0	2	0	23965	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr15:99816780-99828156	exonic	LRRC28	15	99816780	99828156	0	0	1	0	2	0	11376	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr16:29332248-29339945	ncRNA_exonic	SNX29P2	16	29332248	29339945	0	0	1	0	2	0	7697	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr16:74382764-74384636	ncRNA_exonic	LOC283922	16	74382764	74384636	0	0	1	0	2	0	1872	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr17:49059884-49064598	exonic	SPAG9	17	49059884	49064598	0	0	1	0	2	0	4714	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr17:61655830-61657304	exonic	DCAF7	17	61655830	61657304	0	0	1	0	2	0	1474	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr18:9204473-9211782	exonic	ANKRD12	18	9204473	9211782	0	0	1	0	2	0	7309	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr19:34945164-34955036	exonic	UBA2	19	34945164	34955036	0	0	1	0	2	0	9872	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:153431649-153435478	exonic	FMNL2	2	153431649	153435478	0	0	1	0	2	0	3829	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:170411633-170419860	exonic	FASTKD1	2	170411633	170419860	0	0	1	0	2	0	8227	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:242343242-242375953	exonic	FARP2	2	242343242	242375953	0	0	1	2	4	0	32711	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:69555402-69573131	exonic	GFPT1	2	69555402	69573131	0	0	1	0	2	0	17729	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr20:20512330-20527476	exonic	RALGAPA2	20	20512330	20527476	0	0	1	0	2	0	15146	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr20:2936254-2945848	exonic	PTPRA	20	2936254	2945848	0	0	1	0	2	0	9594	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:130309884-130313187	exonic	COL6A6	3	130309884	130313187	0	0	1	0	2	0	3303	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:149563797-149619949	exonic	RNF13	3	149563797	149619949	0	0	1	0	2	0	56152	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:169835013-169847340	exonic	PHC3	3	169835013	169847340	0	0	1	0	2	0	12327	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:170875248-170885059	exonic	TNIK	3	170875248	170885059	0	0	1	0	2	0	9811	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr3:38263068-38271921	exonic	OXSRI	3	38263068	38271921	0	0	1	0	2	0	8853	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr4:144336629-144336924	exonic	GAB1	4	144336629	144336924	0	0	1	0	2	0	295	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr4:151656409-151753128	exonic	LRBA	4	151656409	151753128	0	0	1	0	2	0	96719	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:122137563-122139308	exonic	SNX2	5	122137563	122139308	0	0	1	0	2	0	1745	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:137278563-137284873	exonic	FAM13B	5	137278563	137284873	0	0	1	0	2	0	6310	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:137733866-137735701	exonic	KDM3B	5	137733866	137735701	0	0	1	0	2	0	1835	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr5:65317149-65334310	exonic	ERBB2IP	5	65317149	65334310	0	0	1	0	2	0	17161	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924

chr5:80071512-80109560	exonic	MSH3	5	80071512	80109560	0	0	1	0	2	0	38048	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:117888016-117900227	exonic	DCBLD1, GOPC	6	117888016	117900227	0	0	1	0	2	0	12211	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:135263546-135265104	exonic	ALDH8A1	6	135263546	135265104	0	0	1	0	2	0	1558	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr6:41839301-41859613	UTR5		6	41839301	41859613	0	0	1	0	2	0	20312	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr7:155530223-155538296	exonic	RBM33	7	155530223	155538296	0	0	1	0	2	0	8073	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr7:92881965-92940584	exonic	VPS50	7	92881965	92940584	0	0	1	0	2	0	58619	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr8:56863017-56866543	exonic	LYN	8	56863017	56866543	0	0	1	0	2	0	3526	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr8:74439925-74529686	exonic	STAU2	8	74439925	74529686	0	0	1	0	2	0	89761	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chrX:134030846-134033564	exonic	MOSPD1	X	134030846	134033564	0	0	1	0	2	0	2718	0.439323869	-0.711438736	4.032572146	-0.176423064	0.859961586	0.998252924
chr2:242099746-242102816	exonic	PPP1R7	2	242099746	242102816	0	0	2	1	4	0	3070	0.984959123	-0.710436253	2.8139725	-0.252467376	NA	NA
chr1:153637695-153641033	exonic	ILF2	1	153637695	153641033	0	3	1	8	2	0	3338	1.812642348	-0.709426041	2.07414281	-0.342033363	0.732325785	0.998252924
chr6:105192034-105233194	exonic	HACE1	6	105192034	105233194	1	1	0	1	1	1	41160	0.838820158	-0.709395396	2.634106982	-0.269311536	0.787689956	0.998252924
chr7:74239461-74248066	exonic	GTF2IRD2	7	74239461	74248066	1	1	0	1	1	1	8605	0.838820158	-0.709395396	2.634106982	-0.269311536	0.787689956	0.998252924
chr14:39746137-39748741	exonic	CTAGE5	14	39746137	39748741	7	4	2	15	4	4	2604	5.306204746	-0.70806151	1.178774749	-0.600675838	0.548055915	0.998252924
chr16:14321580-14322218	intronic	MKL2	16	14321580	14322218	0	3	0	0	0	3	638	1.447483224	-0.706770349	2.719345043	-0.259904623	NA	NA
chrX:79962925-79975155	exonic	BRWD3	X	79962925	79975155	2	0	2	6	3	0	12230	1.653462513	-0.706423454	2.089637682	-0.338060258	0.735317779	0.998252924
chr1:48821341-48825442	exonic	SPATA6	1	48821341	48825442	6	3	0	11	3	2	4101	3.445693774	-0.705973885	1.494819746	-0.472280278	0.636726745	0.998252924
chr14:58785259-58790335	exonic	ARID4A	14	58785259	58790335	2	1	0	4	0	1	5076	1.165713834	-0.70529053	2.451163374	-0.287737055	0.773548023	0.998252924
chr10:7262372-7327916	exonic	SFMBT2	10	7262372	7327916	0	3	0	3	4	0	65544	1.32587124	-0.704832808	2.474534503	-0.284834504	NA	NA
chr16:67644726-67646024	exonic	CTCF	16	67644726	67646024	1	0	2	4	3	0	1298	1.3118528	-0.703397258	2.299727779	-0.305861096	0.759710408	0.998252924
chr2:37543380-37544322	exonic	PRKD3	2	37543380	37544322	9	7	4	10	19	6	942	8.381835699	-0.703278942	0.968666558	-0.726027894	0.46782167	0.998252924
chr18:33722243-33739978	exonic	ELP2	18	33722243	33739978	2	1	0	3	3	0	17735	1.114266105	-0.70134055	2.430757951	-0.288527515	0.772942972	0.998252924
chr1:145787771-145791170	exonic	GPR89A	1	145787771	145791170	1	1	3	1	6	2	3399	2.343982952	-0.700266784	1.699569747	-0.412025917	0.680320427	0.998252924
chr1:12061457-12062160	exonic	MFN2	1	12061457	12062160	8	1	1	15	3	1	703	3.669412018	-0.698403103	1.461361165	-0.47791273	NA	NA
chr15:94841429-94841959	exonic	MCTP2	15	94841429	94841959	9	0	1	17	3	0	530	3.528527323	-0.698111091	1.698223564	-0.41108315	NA	NA
chr13:30801548-30857928	exonic	KATNAL1	13	30801548	30857928	0	2	0	5	0	0	56380	0.880108524	-0.696954374	3.186502357	-0.218720809	NA	NA
chr3:196050614-196051311	exonic	TM4SF19	3	196050614	196051311	0	2	0	5	0	0	697	0.880108524	-0.696954374	3.186502357	-0.218720809	NA	NA
chr4:40892380-40947090	exonic	APBB2	4	40892380	40947090	0	2	0	5	0	0	54710	0.880108524	-0.696954374	3.186502357	-0.218720809	NA	NA
chr13:42335263-42393522	exonic	VWA8	13	42335263	42393522	0	0	2	3	0	1	58259	1.021690815	-0.696065067	2.796520137	-0.248904007	0.803435036	0.998252924
chr8:38194822-38205733	exonic	WHSC1L1	8	38194822	38205733	0	1	1	4	1	0	10911	0.917817787	-0.695419786	2.683995565	-0.259098709	0.795559081	0.998252924
chr3:63884074-63938159	exonic	ATXN7	3	63884074	63938159	0	2	1	2	5	0	54085	1.363580503	-0.69413599	2.287777502	-0.30341062	0.761576953	0.998252924
chr11:36415396-36424928	exonic	PRR5L	11	36415396	36424928	4	0	2	11	2	0	9532	2.321965902	-0.69388502	1.880607467	-0.368968555	NA	NA
chr4:110384056-110384800	exonic	SEC24B	4	110384056	110384800	4	0	2	5	3	2	744	2.421562231	-0.692798452	1.686889454	-0.410695823	0.68129559	0.998252924
chr8:42862989-42868543	exonic	HOKK3	8	42862989	42868543	4	0	0	2	3	1	5554	1.399871416	-0.69276836	2.257534913	-0.306869389	NA	NA
chr17:2297336-2298748	exonic	MNT	17	2297336	2298748	4	4	1	13	0	3	1412	3.717023826	-0.690991955	1.530962423	-0.451344817	0.651741049	0.998252924

chr1:22007300-22021714	exonic	USP48	1	22007300	22021714	0	2	0	0	0	2	14414	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr1:226056309-226057472	intronic	TMEM63A	1	226056309	226057472	0	2	0	0	0	2	1163	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr1:27064264-27064609	intronic	ARID1A	1	27064264	27064609	0	2	0	0	0	2	345	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr12:95645715-95660408	exonic	VEZT	12	95645715	95660408	0	2	0	0	0	2	14693	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr22:41521867-41527637	exonic	EP300	22	41521867	41527637	0	2	0	0	0	2	5770	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr3:129579783-129599402	UTR5	TMCC1 (NM_001017395:c.-51931..-52181delins0)	3	129579783	129599402	0	2	0	0	0	2	19619	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr3:17625142-17626258	intronic	TBC1D5	3	17625142	17626258	0	2	0	0	0	2	1116	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr6:149833290-149862722	exonic	PPIL4	6	149833290	149862722	0	2	0	0	0	2	29432	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr6:20649523-20781496	exonic	CDKAL1	6	20649523	20781496	0	2	0	0	0	2	131973	0.964988816	-0.689791399	3.136770735	-0.219904946	0.825945184	0.998252924
chr4:39322002-39329376	exonic	RFC1	4	39322002	39329376	1	0	1	0	2	1	7374	0.876529421	-0.688754897	2.765804655	-0.249025142	0.803341333	0.998252924
chr1:201821231-201828122	exonic	IPO9	1	201821231	201828122	1	1	0	1	3	0	6891	0.772656392	-0.688256251	2.854256241	-0.241133309	0.809451798	0.998252924
chr12:53410256-53416411	exonic	EIF4B	12	53410256	53416411	1	1	0	1	3	0	6155	0.772656392	-0.688256251	2.854256241	-0.241133309	0.809451798	0.998252924
chr2:86354283-86355114	exonic	PTCD3	2	86354283	86355114	1	1	0	1	3	0	831	0.772656392	-0.688256251	2.854256241	-0.241133309	0.809451798	0.998252924
chr6:158288578-158296208	exonic	SNX9	6	158288578	158296208	1	1	0	1	3	0	7630	0.772656392	-0.688256251	2.854256241	-0.241133309	0.809451798	0.998252924
chr19:47919908-47920607	exonic	MEIS3	19	47919908	47920607	3	1	0	1	0	3	699	1.592203839	-0.687869047	2.244411568	-0.306480797	0.759238598	0.998252924
chr10:5827104-5842668	exonic	GDI2	10	5827104	5842668	3	2	2	9	2	2	15564	2.945345005	-0.687036719	1.480402093	-0.464087914	0.64258476	0.998252924
chr7:66456123-66459328	exonic	SBDS	7	66456123	66459328	0	0	4	5	3	1	3205	1.991933902	-0.685667173	2.009674615	-0.341183179	NA	NA
chr22:43435786-43442579	exonic	TTL1	22	43435786	43442579	9	3	0	12	7	2	6793	4.423075674	-0.684978934	1.364128921	-0.502136508	0.615571501	0.998252924
chr4:156617907-156643344	exonic	GUCY1A3	4	156617907	156643344	6	0	0	8	1	1	25437	2.053658768	-0.684645078	2.018997829	-0.339101443	NA	NA
chr4:178274461-178274882	exonic	NEIL3	4	178274461	178274882	3	1	2	2	4	3	421	2.577162962	-0.684243327	1.580899291	-0.432819049	0.665146234	0.998252924
chr3:171969049-172028671	exonic	FNDC3B	3	171969049	172028671	8	10	5	14	12	11	59622	6.000725675	-0.682918476	1.117828511	-0.610933135	0.541243848	0.998252924
chr3:5212187-5216099	exonic	ARL8B	3	5212187	5216099	1	1	0	2	0	1	3912	0.824104121	-0.682879274	2.820838227	-0.242083813	0.808715221	0.998252924
chr4:54292038-54310270	exonic	FIP1L1	4	54292038	54310270	0	2	4	5	3	3	18232	2.956922718	-0.682467319	1.606023334	-0.424942344	0.670878706	0.998252924
chr4:54294193-54310270	exonic	FIP1L1	4	54294193	54310270	0	2	4	5	3	3	16077	2.956922718	-0.682467319	1.606023334	-0.424942344	0.670878706	0.998252924
chr15:63824845-63829355	exonic	USP3	15	63824845	63829355	2	4	4	1	10	5	4510	4.601831831	-0.680979493	1.337919485	-0.508983912	NA	NA
chr1:222889025-222895856	exonic	BROX	1	222889025	222895856	0	0	2	2	3	0	6831	0.970243087	-0.680552955	2.799534926	-0.243095005	0.807931801	0.998252924
chr19:45766370-45769539	exonic	MARK4	19	45766370	45769539	0	0	2	2	3	0	3169	0.970243087	-0.680552955	2.799534926	-0.243095005	0.807931801	0.998252924
chr4:40936472-40947087	exonic	APBB2	4	40936472	40947087	2	2	2	8	1	0	10615	2.504138963	-0.6803084	1.747970631	-0.389198988	NA	NA
chr14:73555757-73556163	intronic	RBM25	14	73555757	73556163	6	9	0	12	6	6	406	6.193616654	-0.676982306	1.227825407	-0.551366914	0.581382177	0.998252924
chr10:75830427-75834661	exonic	VCL	10	75830427	75834661	2	0	1	2	4	0	4234	1.151975369	-0.676535762	2.414348841	-0.280214587	0.779312876	0.998252924
chr10:105767934-105778666	exonic	SLK	10	105767934	105778666	1	2	5	5	7	3	10732	3.767288373	-0.675134285	1.376933203	-0.490317384	0.623909328	0.998252924
chr10:225933-267296	exonic	ZMYND11	10	225933	267296	2	1	0	4	2	0	41363	1.099550069	-0.674457398	2.448346836	-0.275474613	0.782951627	0.998252924
chr7:77973094-77975360	exonic	MAGI2	7	77973094	77975360	2	1	0	4	2	0	2266	1.099550069	-0.674457398	2.448346836	-0.275474613	0.782951627	0.998252924
chr7:8043537-8124647	exonic	GLCCI1	7	8043537	8124647	0	2	1	3	4	0	81110	1.348864466	-0.672597846	2.281577332	-0.294795112	0.7681504	0.998252924
chr4:148860975-148887990	exonic	ARHGAP10	4	148860975	148887990	1	1	1	7	0	0	27015	1.244711463	-0.672211901	2.419286471	-0.277855438	NA	NA

chr1:220179447-220180680	exonic	EPRS	1	220179447	220180680	0	5	0	3	6	1	1233	2.22469629	-0.670485799	1.937922708	-0.345981703	NA	NA
chr2:32323864-32341281	exonic	SPAST	2	32323864	32341281	3	0	2	4	2	2	17417	2.065236481	-0.667393987	1.804036481	-0.36994484	0.71142359	0.998252924
chr8:37623043-37623873	exonic	PROSC	8	37623043	37623873	13	6	2	14	12	7	830	8.215241817	-0.663840823	1.001245991	-0.663014712	0.507321132	0.998252924
chr3:197557640-197566268	exonic	LRCH3	3	197557640	197566268	1	0	3	2	7	0	8628	1.780608742	-0.660525033	2.090514397	-0.31596292	0.752030653	0.998252924
chr4:77045801-77065626	exonic	NUP54	4	77045801	77065626	8	0	2	4	6	4	19825	3.8107181	-0.660520613	1.458989049	-0.45272486	0.650746876	0.998252924
chr11:67934448-67957619	exonic	KMT5B	11	67934448	67957619	5	0	0	5	4	0	23171	1.660601327	-0.660507967	2.260677832	-0.292172532	NA	NA
chr6:160103505-160109274	exonic	SOD2	6	160103505	160109274	2	5	0	5	1	4	5769	3.014811664	-0.659653403	1.644032988	-0.401240977	0.688242714	0.998252924
chr5:137320945-137324004	exonic	FAM13B	5	137320945	137324004	33	21	42	43	123	19	3059	41.51557597	-0.657244098	0.697780955	-0.941906043	NA	NA
chr2:61710091-61717911	exonic	XPO1	2	61710091	61717911	3	0	3	0	0	3	7820	1.440603598	-0.656553172	2.707631064	-0.242482508	NA	NA
chr9:107513236-107521452	exonic	NIPSNAP3A	9	107513236	107521452	0	3	0	5	2	0	8216	1.296439167	-0.656534658	2.503207062	-0.262277407	0.793107579	0.998252924
chr21:37619814-37620866	exonic	DOPEY2	21	37619814	37620866	12	6	10	10	17	14	1052	12.00182891	-0.655813084	0.900720386	-0.728098413	0.466553345	0.998252924
chr6:76331247-76344527	exonic	SENP6	6	76331247	76344527	2	3	2	0	8	3	13280	3.068214535	-0.654891187	1.618375728	-0.404659546	NA	NA
chr3:169854206-169867032	exonic	PHC3	3	169854206	169867032	3	5	6	6	18	3	12826	6.182971707	-0.653066013	1.132092213	-0.576866447	NA	NA
chr1:237532833-237551483	exonic	RYR2	1	237532833	237551483	0	0	1	1	1	0	18650	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr1:39888045-39888572	exonic	MACF1	1	39888045	39888572	0	0	1	1	1	0	527	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr10:104352338-104359301	exonic	SUFU	10	104352338	104359301	0	0	1	1	1	0	6963	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr16:23654275-23672602	exonic	DCTN5	16	23654275	23672602	0	0	1	1	1	0	18327	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr18:48422178-48458730	exonic	ME2	18	48422178	48458730	0	0	1	1	1	0	36552	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr4:110384056-110394342	exonic	SEC24B	4	110384056	110394342	0	0	1	1	1	0	10286	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr5:170667931-170669824	exonic	RANBP17	5	170667931	170669824	0	0	1	1	1	0	1893	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr6:126332398-126334247	exonic	TRMT11	6	126332398	126334247	0	0	1	1	1	0	1849	0.424607832	-0.652759327	3.854300042	-0.169358721	0.86551449	0.998252924
chr1:78381739-78383958	exonic	NEXN	1	78381739	78383958	0	1	0	1	1	0	2219	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr1:8568685-8617582	exonic	RERE	1	8568685	8617582	0	1	0	1	1	0	48897	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr10:70530962-70532856	exonic	CCAR1	10	70530962	70532856	0	1	0	1	1	0	1894	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr11:107965117-107966418	exonic	CUL5	11	107965117	107966418	0	1	0	1	1	0	1301	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr11:111715323-111728460	exonic	ALG9	11	111715323	111728460	0	1	0	1	1	0	13137	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr12:12311762-12318229	exonic	LRP6	12	12311762	12318229	0	1	0	1	1	0	6467	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr14:45564423-45566208	exonic	PRPF39	14	45564423	45566208	0	1	0	1	1	0	1785	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr19:5039846-5041262	exonic	KDM4B	19	5039846	5041262	0	1	0	1	1	0	1416	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr2:122514815-122520660	exonic	TSN	2	122514815	122520660	0	1	0	1	1	0	5845	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr3:47747898-47755980	exonic	SMARCC1	3	47747898	47755980	0	1	0	1	1	0	8082	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr4:83748521-83750211	exonic	SEC31A	4	83748521	83750211	0	1	0	1	1	0	1690	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr6:131919426-131929211	exonic	MED23	6	131919426	131929211	0	1	0	1	1	0	9785	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr8:141771263-141900868	exonic	PTK2	8	141771263	141900868	0	1	0	1	1	0	129605	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr8:68169966-68170525	exonic	ARFGEF1	8	68169966	68170525	0	1	0	1	1	0	559	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924

chr9:124736287-124752049	exonic	TLL1	9	124736287	124752049	0	1	0	1	1	0	15762	0.401614606	-0.652194335	3.934396665	-0.165767306	0.868340076	0.998252924
chr1:21295966-21377487	exonic	EIF4G3	1	21295966	21377487	1	0	0	1	1	0	81521	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr1:245180543-245246990	exonic	EFCAB2	1	245180543	245246990	1	0	0	1	1	0	66447	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr1:44785299-44804994	exonic	ERI3	1	44785299	44804994	1	0	0	1	1	0	19695	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr13:41515056-41515506	exonic	ELF1	13	41515056	41515506	1	0	0	1	1	0	450	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr16:74972047-74985441	exonic	WDR59	16	74972047	74985441	1	0	0	1	1	0	13394	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr17:38065210-38066177	exonic	GSDMB	17	38065210	38066177	1	0	0	1	1	0	967	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr17:78268518-78272318	exonic	RNF213	17	78268518	78272318	1	0	0	1	1	0	3800	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr18:48581150-48593557	exonic	SMAD4	18	48581150	48593557	1	0	0	1	1	0	12407	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr2:128855002-128867320	exonic	UGGT1	2	128855002	128867320	1	0	0	1	1	0	12318	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr22:41173043-41195087	exonic	SLC25A17	22	41173043	41195087	1	0	0	1	1	0	22044	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr4:76573822-76581054	exonic	G3BP2	4	76573822	76581054	1	0	0	1	1	0	7232	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr5:179268906-179280437	exonic	C5orf45	5	179268906	179280437	1	0	0	1	1	0	11531	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr6:109232101-109258202	exonic	ARMC2	6	109232101	109258202	1	0	0	1	1	0	26101	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr6:144852187-144878447	exonic	UTRN	6	144852187	144878447	1	0	0	1	1	0	26260	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr7:6178722-6185287	exonic	USP42	7	6178722	6185287	1	0	0	1	1	0	6565	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr8:12955907-12958279	exonic	DLC1	8	12955907	12958279	1	0	0	1	1	0	2372	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr8:131226801-131370389	exonic	ASAP1	8	131226801	131370389	1	0	0	1	1	0	143588	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr9:98002930-98011651	exonic	FANCC	9	98002930	98011651	1	0	0	1	1	0	8721	0.35632575	-0.651528968	4.035567231	-0.161446689	0.871741596	0.998252924
chr10:103916775-103917971	exonic	NOLC1	10	103916775	103917971	2	0	1	3	3	0	1196	1.137259332	-0.650661509	2.414948889	-0.269430758	0.78759822	0.998252924
chr1:54506428-54509198	exonic	TMEM59	1	54506428	54509198	3	0	1	6	2	0	2770	1.464153008	-0.646523383	2.206578861	-0.292998086	0.769523614	0.998252924
chr5:133494145-133509713	exonic	SKP1	5	133494145	133509713	1	0	1	0	4	0	15568	0.810365656	-0.643362824	3.044647884	-0.211309435	NA	NA
chr9:19086731-19089557	exonic	HAUS6	9	19086731	19089557	1	0	1	0	4	0	2826	0.810365656	-0.643362824	3.044647884	-0.211309435	NA	NA
chr14:92264128-92268765	exonic	TC2N	14	92264128	92268765	3	0	0	0	5	0	4637	0.992097937	-0.642083789	3.034883686	-0.211567841	NA	NA
chr15:74892842-74893754	intergenic	ARID3B (dist=2370), CLK3 (dist=6959)	15	74892842	74893754	3	0	0	0	5	0	912	0.992097937	-0.642083789	3.034883686	-0.211567841	NA	NA
chr9:16435552-16437522	exonic	BNC2	9	16435552	16437522	9	3	3	30	2	0	1970	5.706913357	-0.641244943	1.369303528	-0.468300074	NA	NA
chr2:32664575-32666530	exonic	BIRC6	2	32664575	32666530	3	0	0	1	2	1	1955	1.043545666	-0.64099894	2.55001348	-0.251370805	NA	NA
chr6:62687970-62757899	exonic	KHDRBS2	6	62687970	62757899	0	1	5	8	2	0	69929	1.8586288	-0.640287294	2.061527912	-0.31058871	0.756113311	0.998252924
chr6:592468-599225	exonic	EXOC2	6	592468	599225	0	3	0	0	2	2	6757	1.381319458	-0.638075772	2.50974194	-0.254239594	0.799310464	0.998252924
chr7:156994414-157018233	exonic	UBE3C	7	156994414	157018233	0	3	0	0	2	2	23819	1.381319458	-0.638075772	2.50974194	-0.254239594	0.799310464	0.998252924
chr13:43528083-43544806	exonic	EPSTI1	13	43528083	43544806	11	3	6	26	9	3	16723	7.903296557	-0.638069841	1.030987817	-0.618891737	NA	NA
chr14:45587231-45599993	exonic	FKBP3	14	45587231	45599993	8	6	10	19	15	8	12762	10.35131711	-0.637400924	0.891834975	-0.714707252	0.474789956	0.998252924
chr5:16779653-16783578	exonic	MYO10	5	16779653	16783578	9	6	5	22	11	4	3925	8.095908955	-0.636981226	0.972102816	-0.655261167	0.512299618	0.998252924
chr1:155582209-155717687	exonic	DAP3, MSTO1, YY1AP1	1	155582209	155717687	0	0	8	3	0	7	135478	4.054616621	-0.636094771	3.179554651	-0.20005782	NA	NA
chr3:169863210-169867032	exonic	PHC3	3	169863210	169867032	7	4	6	14	15	3	3822	7.012052494	-0.635475993	1.027711076	-0.618341096	0.536350518	0.998252924

chr2:24205765-24207701	exonic	UBXN2A	2	24205765	24207701	0	0	3	2	3	1	1936	1.475730721	-0.635405474	2.242237706	-0.283380068	NA	NA
chr7:77212871-77230123	exonic	PTPN12	7	77212871	77230123	0	0	2	0	3	3	17252	1.47047645	-0.635368281	2.509272172	-0.253208196	NA	NA
chr3:172363412-172365904	exonic	NCEH1	3	172363412	172365904	3	1	1	6	4	0	2492	1.880483651	-0.633442845	1.866171158	-0.339434484	0.734282444	0.998252924
chr8:101299728-101300495	exonic	RNF19A	8	101299728	101300495	3	2	1	5	7	0	767	2.31153033	-0.633195709	1.716069205	-0.368980288	0.712142418	0.998252924
chr5:38991050-39021238	exonic	RICTOR	5	38991050	39021238	2	1	1	4	2	1	30188	1.605037703	-0.630132091	1.885683031	-0.334166496	0.738253925	0.998252924
chr5:122881110-122888841	exonic	CSNK1G3	5	122881110	122888841	0	3	0	6	1	0	7731	1.28172313	-0.629794471	2.547043088	-0.247264946	NA	NA
chr8:133848784-133855120	exonic	PHF20L1	8	133848784	133855120	3	2	0	3	0	3	6336	1.979102408	-0.627358972	2.015552419	-0.31125907	0.75560368	0.998252924
chr2:99786012-99787892	exonic	MITD1	2	99786012	99787892	4	3	9	9	17	4	1880	7.06133947	-0.62576545	1.076255171	-0.581428519	NA	NA
chr2:176844537-176859008	exonic	KIAA1715	2	176844537	176859008	3	0	3	3	7	1	14471	2.453112622	-0.624976623	1.702855282	-0.367016874	0.713606431	0.998252924
chr1:76205664-76215244	exonic	ACADM	1	76205664	76215244	2	2	0	5	3	0	9580	1.501164675	-0.623118235	2.154304914	-0.289243287	0.772395208	0.998252924
chr3:185155234-185161424	exonic	MAP3K13	3	185155234	185161424	5	0	0	1	3	2	6190	1.730765582	-0.61939957	2.12300605	-0.291755914	0.770473255	0.998252924
chr7:140476711-140508795	exonic	BRAF	7	140476711	140508795	2	3	1	11	2	0	32084	2.389550389	-0.617776475	1.74342587	-0.354346282	NA	NA
chr4:106155053-106158508	exonic	TET2	4	106155053	106158508	6	5	13	6	23	10	3455	10.71348308	-0.617621688	0.985049495	-0.626995589	NA	NA
chr16:69729038-69729282	exonic	NFAT5	16	69729038	69729282	2	3	2	2	8	2	244	2.972618696	-0.616551968	1.487882874	-0.414382058	0.678594326	0.998252924
chr1:179959641-179966310	exonic	CEP350	1	179959641	179966310	1	0	1	1	3	0	6669	0.795649619	-0.616421556	2.825221563	-0.218185209	0.827284809	0.998252924
chr3:179310431-179319578	exonic	MRPL47	3	179310431	179319578	1	0	1	1	3	0	9147	0.795649619	-0.616421556	2.825221563	-0.218185209	0.827284809	0.998252924
chr1:211952259-211966532	exonic	LPGAT1	1	211952259	211966532	7	2	8	10	12	6	14273	7.194366968	-0.613000201	1.053476365	-0.581883203	0.560645356	0.998252924
chr1:29313942-29314417	exonic	EPB41	1	29313942	29314417	0	2	0	0	2	1	475	0.898825051	-0.612262296	2.937775466	-0.208410174	0.834908713	0.998252924
chr1:62365254-62367131	exonic	INADL	1	62365254	62367131	0	2	0	0	2	1	1877	0.898825051	-0.612262296	2.937775466	-0.208410174	0.834908713	0.998252924
chr2:55209650-55214834	exonic	RTN4	2	55209650	55214834	0	6	3	9	7	2	5184	4.057893508	-0.611502485	1.42393261	-0.429446226	0.66759852	0.998252924
chr12:95876990-95897937	exonic	METAP2	12	95876990	95897937	0	0	2	4	1	0	20947	0.940811013	-0.611261668	2.854607207	-0.214131621	0.830444418	0.998252924
chr4:16587544-16760883	exonic	LDB2	4	16587544	16760883	0	0	2	4	1	0	173339	0.940811013	-0.611261668	2.854607207	-0.214131621	0.830444418	0.998252924
chr5:127474288-127488497	exonic	SLC12A2	5	127474288	127488497	0	0	2	4	1	0	14209	0.940811013	-0.611261668	2.854607207	-0.214131621	0.830444418	0.998252924
chr3:125032151-125050082	exonic	ZNF148	3	125032151	125050082	6	5	0	9	10	1	17931	4.120595945	-0.610660684	1.406844922	-0.434063964	0.664241993	0.998252924
chr1:197564337-197742062	exonic	DENND1B	1	197564337	197742062	2	1	0	6	0	0	177725	1.070117996	-0.610637013	2.716351929	-0.224800405	NA	NA
chr2:201784944-201802689	exonic	ORC2	2	201784944	201802689	3	0	0	1	4	0	17745	0.977381901	-0.610473092	2.794651368	-0.21844338	NA	NA
chr19:33406242-33417890	exonic	CEP89	19	33406242	33417890	3	0	0	0	2	1	11648	1.028829629	-0.609840477	2.560437357	-0.238178245	NA	NA
chr1:213246211-213277911	exonic	RPS6KC1	1	213246211	213277911	1	0	1	2	0	1	31700	0.847097347	-0.60983787	2.794248431	-0.218247548	0.82723624	0.998252924
chr8:125520714-125534441	exonic	TATDN1	8	125520714	125534441	1	1	0	3	1	0	13727	0.743224319	-0.609532238	2.890941432	-0.210842126	0.833010466	0.998252924
chr7:104714065-104717880	exonic	KMT2E	7	104714065	104717880	3	2	8	14	4	5	3815	5.827226754	-0.609296998	1.186762081	-0.513411245	NA	NA
chr9:79829244-79842401	exonic	VPS13A	9	79829244	79842401	5	5	0	3	5	5	13157	3.981478018	-0.608701402	1.438345844	-0.42319544	0.672152673	0.998252924
chr2:148730307-148739650	exonic	ORC4	2	148730307	148739650	7	1	5	7	10	4	9343	5.250857875	-0.608509058	1.193458328	-0.509870385	0.610142271	0.998252924
chr4:48371865-48385801	exonic	SLAIN2	4	48371865	48385801	9	13	6	8	24	11	13936	11.75563593	-0.605049631	0.913131614	-0.662609444	NA	NA
chr17:30498061-30503232	exonic	RHOT1	17	30498061	30503232	2	0	3	1	7	1	5171	2.111502909	-0.604933445	1.857308802	-0.32570429	0.744648098	0.998252924
chr9:33948371-33953472	exonic	UBAP2	9	33948371	33953472	0	2	5	6	8	1	5101	3.24920302	-0.603592703	1.570169069	-0.384412555	0.700672697	0.998252924

chr1:155646339-155753880	exonic	DAP3, GON4L, YY1AP1	1	155646339	155753880	15	5	4	23	19	2	107541	8.956379329	-0.602076227	0.995104633	-0.60503811	0.545153675	0.998252924
chr18:56601664-56621031	exonic	ZNF532	18	56601664	56621031	7	2	2	17	3	3	19367	9.092868154	-0.601353615	0.946566185	-0.635300125	0.525232692	0.998252924
chr2:243056789-243081039	ncRNA_exonic	LOC728323	2	243056789	243081039	5	0	0	2	2	2	24250	1.716049545	-0.597306655	2.10660789	-0.283539551	NA	NA
chr10:15858833-15889942	exonic	FAM188A	10	15858833	15889942	14	2	1	12	16	2	31109	6.35452621	-0.596563796	1.171973071	-0.509025174	0.610734579	0.998252924
chr14:35020920-35024118	intergenic	EAPP(dist=11977), SNX6(dist=6500)	14	35020920	35024118	0	6	0	0	8	2	3198	2.630311386	-0.596387231	2.034301302	-0.293165634	NA	NA
chr17:57987922-57992064	exonic	RPS6KB1	17	57987922	57992064	2	2	0	1	0	3	4142	1.637492695	-0.596242522	2.208234674	-0.270008677	NA	NA
chr3:191074876-191078948	exonic	CCDC50	3	191074876	191078948	0	3	0	0	4	1	4072	1.315155693	-0.59556135	2.548475089	-0.23369322	0.815223152	0.998252924
chr2:110919179-110920709	exonic	NPHP1	2	110919179	110920709	9	2	2	5	0	1	1530	1.773192324	-0.595516052	2.13678938	-0.278696655	0.78047763	0.998252924
chr22:38894089-38897285	exonic	DDX17	22	38894089	38897285	3	0	1	8	0	0	3196	1.434720935	-0.594689128	2.450626321	-0.24266822	NA	NA
chr9:131196380-131196892	exonic	CERCAM	9	131196380	131196892	3	0	1	8	0	0	512	1.434720935	-0.594689128	2.450626321	-0.24266822	NA	NA
chr1:155340294-155340774	exonic	ASH1L	1	155340294	155340774	2	0	1	5	1	0	480	1.107827259	-0.594639972	2.474500055	-0.240307116	NA	NA
chr10:86130769-86133571	exonic	CCSER2	10	86130769	86133571	2	0	2	4	2	1	2802	1.62803093	-0.594435973	1.979856645	-0.300241926	0.763992627	0.998252924
chr11:103090643-103093815	exonic	DYNC2H1	11	103090643	103093815	1	2	0	4	0	1	3172	1.21100269	-0.594248522	2.422448914	-0.245309001	0.806217183	0.998252924
chr22:38641940-38644025	exonic	TMEM184B	22	38641940	38644025	1	2	0	4	0	1	2085	1.21100269	-0.594248522	2.422448914	-0.245309001	0.806217183	0.998252924
chr5:133996808-133997276	exonic	SEC24A	5	133996808	133997276	0	1	1	0	0	2	468	0.987982042	-0.593223104	2.892761922	-0.205071527	0.837516242	0.998252924
chr8:62531536-62559437	exonic	ASPH	8	62531536	62559437	16	42	8	13	13	5	27901	3.224956012	-0.589856583	1.750642752	-0.336937152	0.736164278	0.998252924
chr1:114123163-114165616	exonic	MAGI3	1	114123163	114165616	0	1	0	2	0	0	42453	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:150195511-150201570	exonic	ANP32E	1	150195511	150201570	0	1	0	2	0	0	6059	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:151630710-151641111	exonic	SNX27	1	151630710	151641111	0	0	1	2	0	0	10401	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:153791266-153792211	exonic	GATAD2B	1	153791266	153792211	0	1	0	2	0	0	945	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:159846345-159847252	exonic	CFAP45	1	159846345	159847252	1	0	0	2	0	0	907	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:171493959-171502100	exonic	PRRC2C	1	171493959	171502100	0	1	0	2	0	0	8141	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:180366650-180399397	exonic	ACBD6	1	180366650	180399397	0	1	0	2	0	0	32747	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:203693008-203696699	exonic	ATP2B4	1	203693008	203696699	1	0	0	2	0	0	3691	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:21024871-21031392	exonic	KIF17	1	21024871	21031392	0	0	1	2	0	0	6521	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:213251037-213277911	exonic	RPS6KC1	1	213251037	213277911	0	1	0	2	0	0	26874	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:222823633-222828135	exonic	MIA3	1	222823633	222828135	0	1	0	2	0	0	4502	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:229593907-229613507	exonic	NUP133	1	229593907	229613507	0	1	0	2	0	0	19600	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:236189195-236201553	exonic	NID1	1	236189195	236201553	0	1	0	2	0	0	12358	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:236341713-236368550	exonic	GPR137B	1	236341713	236368550	1	0	0	2	0	0	26837	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:236966727-237026854	exonic	MTR	1	236966727	237026854	1	0	0	2	0	0	60127	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:237532833-237586548	exonic	RYR2	1	237532833	237586548	1	0	0	2	0	0	53715	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:29319841-29344954	exonic	EPB41	1	29319841	29344954	0	1	0	2	0	0	25113	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:52279706-52299842	exonic	NRDC	1	52279706	52299842	1	0	0	2	0	0	20136	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr1:62908829-62914337	exonic	USP1	1	62908829	62914337	0	1	0	2	0	0	5508	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924

chr1:7879344-7897209	exonic	PER3	1	7879344	7897209	1	0	0	2	0	0	17865	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:103558598-103567658	exonic	MGEA5	10	103558598	103567658	1	0	0	2	0	0	9060	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:120817833-120818723	splicing	EIF3A	10	120817833	120818723	1	0	0	2	0	0	890	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:22856779-22898646	exonic	PIP4K2A	10	22856779	22898646	1	0	0	2	0	0	41867	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:69714351-69804320	exonic	HERC4	10	69714351	69804320	1	0	0	2	0	0	89969	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:88211723-88221044	exonic	WAPL	10	88211723	88221044	1	0	0	2	0	0	9321	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:98708764-98711953	exonic	LCOR	10	98708764	98711953	1	0	0	2	0	0	3189	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr10:99416041-99424741	exonic	PI4K2A	10	99416041	99424741	0	0	1	2	0	0	8700	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr11:108055958-108061227	exonic	NPAT	11	108055958	108061227	1	0	0	2	0	0	5269	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr11:3712576-3714605	exonic	NUP98	11	3712576	3714605	1	0	0	2	0	0	2029	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr11:70200406-70208594	exonic	PPF1A1	11	70200406	70208594	0	1	0	2	0	0	8188	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr11:77066712-77070062	exonic	PAK1	11	77066712	77070062	0	0	1	2	0	0	3350	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:119909798-119917006	exonic	CCDC60	12	119909798	119917006	1	0	0	2	0	0	7208	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:123798166-123800207	exonic	SBNO1	12	123798166	123800207	1	0	0	2	0	0	2041	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:124904502-124911346	exonic	NCOR2	12	124904502	124911346	0	0	1	2	0	0	6844	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:133310970-133312098	exonic	ANKLE2	12	133310970	133312098	0	0	1	2	0	0	1128	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:25297298-25314131	exonic	CASC1	12	25297298	25314131	1	0	0	2	0	0	16833	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:53448969-53449629	exonic	TNS2	12	53448969	53449629	0	1	0	2	0	0	660	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:57065532-57066849	exonic	PTGES3	12	57065532	57066849	0	1	0	2	0	0	1317	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:5908672-5963307	exonic	ANO2	12	5908672	5963307	1	0	0	2	0	0	54635	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:6696549-6697588	exonic	CHD4	12	6696549	6697588	0	1	0	2	0	0	1039	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:6859013-6859932	exonic	MLF2	12	6859013	6859932	0	0	1	2	0	0	919	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr12:96688776-96694138	exonic	CDK17	12	96688776	96694138	0	0	1	2	0	0	5362	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr13:20325410-20333558	exonic	PSPC1	13	20325410	20333558	1	0	0	2	0	0	8148	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr13:21148518-21166543	exonic	IFT88	13	21148518	21166543	0	1	0	2	0	0	18025	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr13:77713330-77715078	exonic	MYCBP2	13	77713330	77715078	0	0	1	2	0	0	1748	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:23419522-23421892	exonic	HAUS4	14	23419522	23421892	0	1	0	2	0	0	2370	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:31816953-31844174	exonic	HEATR5A	14	31816953	31844174	0	1	0	2	0	0	27221	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:35515710-35522657	exonic	FAM177A1	14	35515710	35522657	0	1	0	2	0	0	6947	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:45711236-45716580	exonic	MIS18BP1	14	45711236	45716580	0	1	0	2	0	0	5344	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:50175876-50190670	exonic	KLHDC1	14	50175876	50190670	0	0	1	2	0	0	14794	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:50175876-50192487	exonic	KLHDC1	14	50175876	50192487	1	0	0	2	0	0	16611	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:59954391-59965626	exonic	JKAMP	14	59954391	59965626	0	1	0	2	0	0	11235	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:72085473-72139339	exonic	SIPA1L1	14	72085473	72139339	0	1	0	2	0	0	53866	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:74121549-74138300	exonic	DNAL1	14	74121549	74138300	0	1	0	2	0	0	16751	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924

chr14:74420137-74422631	exonic	COQ6	14	74420137	74422631	0	1	0	2	0	0	2494	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr14:91779423-91780494	exonic	CCDC88C	14	91779423	91780494	1	0	0	2	0	0	1071	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:100185765-100215663	exonic	MEF2A	15	100185765	100215663	1	0	0	2	0	0	29898	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:100211527-100230633	exonic	MEF2A	15	100211527	100230633	0	0	1	2	0	0	19106	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:100672211-100739628	exonic	ADAMTS17	15	100672211	100739628	1	0	0	2	0	0	67417	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:30058468-30092905	exonic	TJP1	15	30058468	30092905	2	0	0	8	0	0	34437	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:33445248-33447246	exonic	FMN1	15	33445248	33447246	0	1	0	2	0	0	1998	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:40231705-40258044	exonic	EIF2AK4	15	40231705	40258044	0	0	1	2	0	0	26339	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:41365625-41372102	exonic	INO80	15	41365625	41372102	1	0	0	2	0	0	6477	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:45951104-45968508	exonic	SQRDL	15	45951104	45968508	0	1	0	2	0	0	17404	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:66021409-66053776	exonic	DENND4A	15	66021409	66053776	0	0	1	2	0	0	32367	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:66048477-66048810	exonic	DENND4A	15	66048477	66048810	0	0	1	2	0	0	333	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:69629679-69652470	exonic	PAQR5	15	69629679	69652470	1	0	0	2	0	0	22791	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:91150609-91172764	exonic	CRTC3	15	91150609	91172764	1	0	0	2	0	0	22155	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:93467550-93510743	exonic	CHD2	15	93467550	93510743	1	0	0	2	0	0	43193	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr15:96813076-96834012	ncRNA_exonic	NR2F2-AS1	15	96813076	96834012	1	0	0	2	0	0	20936	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:22162015-22163955	exonic	VWA3A	16	22162015	22163955	0	0	1	2	0	0	1940	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:23494243-23498111	exonic	GGA2	16	23494243	23498111	1	0	0	2	0	0	3868	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:28163979-28167848	exonic	XPO6	16	28163979	28167848	0	1	0	2	0	0	3869	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:29472702-29473271	exonic	SULT1A3, SULT1A4	16	29472702	29473271	0	1	0	2	0	0	569	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:425132-426812	exonic	TMEM8A	16	425132	426812	1	0	0	2	0	0	1680	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:68087466-68088520	exonic	DUS2	16	68087466	68088520	0	1	0	2	0	0	1054	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:71712657-71715808	exonic	PHLPP2	16	71712657	71715808	1	0	0	2	0	0	3151	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:74491771-74505184	exonic	GLG1	16	74491771	74505184	1	0	0	2	0	0	13413	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:81957089-81962229	exonic	PLCG2	16	81957089	81962229	0	1	0	2	0	0	5140	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:85701745-85704704	exonic	GSE1	16	85701745	85704704	1	0	0	2	0	0	2959	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr16:89756960-89759734	exonic	CDK10	16	89756960	89759734	1	0	0	2	0	0	2774	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:16062073-16068475	exonic	NCOR1	17	16062073	16068475	0	1	0	2	0	0	6402	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:25631805-25638642	exonic	WSB1	17	25631805	25638642	1	0	0	2	0	0	6837	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:28934569-28937960	ncRNA_exonic	LRRC37BP1	17	28934569	28937960	0	0	1	2	0	0	3391	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:29112936-29131126	exonic	CRLF3	17	29112936	29131126	1	0	0	2	0	0	18190	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:45447802-45455269	exonic	EFCAB13	17	45447802	45455269	0	0	1	2	0	0	7467	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:57987922-58018304	exonic	RPS6KB1	17	57987922	58018304	0	1	0	2	0	0	30382	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:59996760-60002460	exonic	INTS2	17	59996760	60002460	0	0	1	2	0	0	5700	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:62517519-62519013	exonic	CEP95	17	62517519	62519013	0	1	0	2	0	0	1494	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924

chr17:64728805-64785097	exonic	PRKCA	17	64728805	64785097	1	0	0	2	0	0	56292	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:65914829-65972074	exonic	BPTF	17	65914829	65972074	0	0	1	2	0	0	57245	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:6663724-6674303	exonic	XAF1	17	6663724	6674303	1	0	0	2	0	0	10579	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:66982304-66986071	exonic	ABCA9	17	66982304	66986071	1	0	0	2	0	0	3767	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr17:78896523-78899280	exonic	RPTOR	17	78896523	78899280	1	0	0	2	0	0	2757	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr18:10759479-10773627	exonic	PIEZO2	18	10759479	10773627	0	1	0	2	0	0	14148	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr18:685920-694334	exonic	ENOSF1	18	685920	694334	0	1	0	2	0	0	8414	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr18:74778253-74817242	exonic	MBP	18	74778253	74817242	1	0	0	2	0	0	38989	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr19:10748319-10748991	exonic	SLC44A2	19	10748319	10748991	0	1	0	2	0	0	672	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr19:17267718-17273932	exonic	MYO9B	19	17267718	17273932	0	0	1	2	0	0	6214	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr19:38621137-38621412	exonic	SIPA1L3	19	38621137	38621412	0	1	0	2	0	0	275	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr19:48653019-48654596	exonic	LIG1	19	48653019	48654596	1	0	0	2	0	0	1577	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr19:5650988-5654467	exonic	SAFB	19	5650988	5654467	0	0	1	2	0	0	3479	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:158655938-158675071	exonic	ACVR1	2	158655938	158675071	1	0	0	2	0	0	19133	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:160194077-160252345	exonic	BAZ2B	2	160194077	160252345	0	0	1	2	0	0	58268	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:165378489-165404326	exonic	GRB14	2	165378489	165404326	0	0	1	2	0	0	25837	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:170460151-170471234	exonic	PPIG	2	170460151	170471234	0	0	1	2	0	0	11083	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:178305692-178326746	exonic	AGPS	2	178305692	178326746	0	1	0	2	0	0	21054	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:197157288-197172809	exonic	HECW2	2	197157288	197172809	0	0	1	2	0	0	15521	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:203650640-203684622	exonic	ICAIL	2	203650640	203684622	1	0	0	2	0	0	33982	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:203921149-203949292	exonic	NBEAL1	2	203921149	203949292	0	1	0	2	0	0	28143	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:204058517-204078376	exonic	NBEAL1	2	204058517	204078376	1	0	0	2	0	0	19859	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:206023445-206050587	exonic	PARD3B	2	206023445	206050587	1	0	0	2	0	0	27142	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:242181874-242189395	exonic	HDLBP	2	242181874	242189395	1	0	0	2	0	0	7521	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:27900161-27905226	exonic	SLC4A1AP	2	27900161	27905226	1	0	0	2	0	0	5065	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:32602655-32670736	exonic	BIRC6	2	32602655	32670736	1	0	0	2	0	0	68081	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:32639836-32641231	exonic	BIRC6	2	32639836	32641231	0	1	0	2	0	0	1395	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:33505105-33540336	exonic	LTBP1	2	33505105	33540336	1	0	0	2	0	0	35231	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:37227728-37229715	exonic	HEATR5B	2	37227728	37229715	1	0	0	2	0	0	1987	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:39029856-39033835	exonic	DHX57	2	39029856	39033835	1	0	0	2	0	0	3979	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:39499423-39507497	exonic	MAP4K3	2	39499423	39507497	0	0	1	2	0	0	8074	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:39505547-39514105	exonic	MAP4K3	2	39505547	39514105	0	1	0	2	0	0	8558	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:39513992-39517475	exonic	MAP4K3	2	39513992	39517475	0	0	1	2	0	0	3483	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:69575302-69577315	exonic	GFPT1	2	69575302	69577315	0	1	0	2	0	0	2013	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:73215386-73228707	exonic	SFXN5	2	73215386	73228707	0	1	0	2	0	0	13321	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924

chr2:8427467-8439923	ncRNA_exonic	LINCO0299	2	8427467	8439923	0	1	0	2	0	0	12456	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr2:98797478-98810955	exonic	VWA3B	2	98797478	98810955	1	0	0	2	0	0	13477	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr20:34450934-34457473	exonic	PHF20	20	34450934	34457473	1	0	0	2	0	0	6539	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr20:58486804-58497514	exonic	SYCP2	20	58486804	58497514	1	0	0	2	0	0	10710	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr21:27326903-27372497	exonic	APP	21	27326903	27372497	1	0	0	2	0	0	45594	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr22:26074782-26091181	exonic	ADRBK2	22	26074782	26091181	0	1	0	2	0	0	16399	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr22:26105864-26110537	exonic	ADRBK2	22	26105864	26110537	1	0	0	2	0	0	4673	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr22:46088875-46114373	exonic	ATXN10	22	46088875	46114373	0	1	0	2	0	0	25498	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:100103322-100105822	exonic	TOMM70A	3	100103322	100105822	0	1	0	2	0	0	2500	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:100274052-100287811	exonic	TMEM45A	3	100274052	100287811	0	0	1	2	0	0	13759	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:105412337-105439094	exonic	CBLB	3	105412337	105439094	1	0	0	2	0	0	26757	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:107429298-107447807	exonic	BBX	3	107429298	107447807	1	0	0	9	4	0	18509	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:11850990-11871338	exonic	TAMM41	3	11850990	11871338	1	3	0	1	0	0	20348	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:122404031-122414509	exonic	PARP14	3	122404031	122414509	0	0	1	2	0	0	10478	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:122422588-122427115	exonic	PARP14	3	122422588	122427115	0	0	1	2	0	0	4527	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:125279222-125301822	exonic	OSBPL11	3	125279222	125301822	0	1	0	2	0	0	22600	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:126189737-126191148	exonic	ZXDC	3	126189737	126191148	1	0	0	2	0	0	1411	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:133666099-133672605	exonic	SLCO2A1	3	133666099	133672605	0	1	0	2	0	0	6506	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:154832782-154836600	exonic	MME	3	154832782	154836600	1	0	0	2	0	0	3818	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:170875248-170912424	exonic	TNIK	3	170875248	170912424	1	0	0	2	0	0	37176	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:17413566-17425507	exonic	TBC1D5	3	17413566	17425507	0	0	1	2	0	0	11941	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:191074876-191100614	exonic	CCDC50	3	191074876	191100614	1	0	0	2	0	0	25738	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:195605123-195613918	exonic	TNK2	3	195605123	195613918	1	0	0	2	0	0	8795	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:20153087-20156480	exonic	KAT2B	3	20153087	20156480	1	0	0	2	0	0	3393	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:33450727-33467233	exonic	UBP1	3	33450727	33467233	1	0	0	2	0	0	16506	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:37136282-37190529	exonic	LRRFIP2	3	37136282	37190529	0	1	0	2	0	0	54247	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:41860914-41977432	exonic	ULK4	3	41860914	41977432	0	1	0	2	0	0	116518	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:42798557-42799843	exonic	CCDC13	3	42798557	42799843	1	0	0	2	0	0	1286	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:47098310-47139571	exonic	SETD2	3	47098310	47139571	1	0	0	2	0	0	41261	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:53886025-53891013	exonic	IL17RB	3	53886025	53891013	0	0	1	2	0	0	4988	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr3:65415194-65439015	exonic	MAG11	3	65415194	65439015	0	1	0	2	0	0	23821	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:103501691-103504114	exonic	NFKB1	4	103501691	103504114	0	0	1	2	0	0	2423	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:110412482-110437796	exonic	SEC24B	4	110412482	110437796	1	0	0	2	0	0	25314	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:120138704-120177678	exonic	USP53	4	120138704	120177678	1	0	0	2	0	0	38974	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:140624608-140625350	exonic	MGST2	4	140624608	140625350	0	0	1	2	0	0	742	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924

chr4:144354643-144387378	exonic	GAB1	4	144354643	144387378	0	1	0	2	0	0	32735	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:148827788-148876525	exonic	ARHGAP10	4	148827788	148876525	1	0	0	2	0	0	48737	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:159789253-159791621	exonic	FNIP2	4	159789253	159791621	1	0	0	2	0	0	2368	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:175180849-175184251	exonic	FBX08	4	175180849	175184251	0	0	1	2	0	0	3402	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:184190123-184192394	exonic	WWC2	4	184190123	184192394	0	1	0	2	0	0	2271	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:2181034-2230970	exonic	POLN	4	2181034	2230970	0	1	0	2	0	0	49936	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:3188323-3201666	exonic	HTT	4	3188323	3201666	1	0	0	2	0	0	13343	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:38055819-38104778	exonic	TBC1D1	4	38055819	38104778	0	0	1	2	0	0	48959	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:79186178-79188586	exonic	FRAS1	4	79186178	79188586	0	1	0	2	0	0	2408	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr4:88983057-88989213	exonic	PKD2	4	88983057	88989213	0	0	1	2	0	0	6156	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:112418556-112421007	exonic	MCC	5	112418556	112421007	0	0	1	2	0	0	2451	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:139884405-139885454	exonic	ANKHD1, ANKHD1-EIF4EBP3	5	139884405	139885454	0	0	1	2	0	0	1049	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:154210360-154217738	exonic	FAXDC2	5	154210360	154217738	1	0	0	2	0	0	7378	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:38493707-38530768	exonic	LIFR	5	38493707	38530768	2	1	0	2	0	0	37061	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:43292575-43297268	exonic	HMGCS1	5	43292575	43297268	1	0	0	2	0	0	4693	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:78251117-78265015	exonic	ARSB	5	78251117	78265015	0	1	0	2	0	0	13898	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr5:95084036-95124562	exonic	RHOBTB3	5	95084036	95124562	0	0	1	2	0	0	40526	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr6:21783862-21979291	ncRNA_exonic	CASC15	6	21783862	21979291	1	0	0	2	0	0	195429	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr6:28327301-28329248	exonic	ZKSCAN3	6	28327301	28329248	0	1	0	2	0	0	1947	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr6:32171546-32172166	exonic	NOTCH4	6	32171546	32172166	0	1	0	2	0	0	620	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr6:42630995-42647570	exonic	UBR2	6	42630995	42647570	1	0	0	2	0	0	16575	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr6:45459677-45480144	exonic	RUNX2	6	45459677	45480144	1	0	0	2	0	0	20467	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:102760023-102769239	exonic	NAPEPLD	7	102760023	102769239	0	1	0	2	0	0	9216	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:157013382-157041274	exonic	UBE3C	7	157013382	157041274	1	0	0	2	0	0	27892	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:158672374-158711560	exonic	WDR60	7	158672374	158711560	0	0	1	2	0	0	39186	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:2269618-2270359	exonic	MAD1L1	7	2269618	2270359	0	0	1	2	0	0	741	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:26232870-26232993	exonic	HNRNPA2B1	7	26232870	26232993	0	1	0	2	0	0	123	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:73449693-73450914	exonic	ELN	7	73449693	73450914	1	0	0	2	0	0	1221	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr7:73770739-73774608	exonic	CLIP2	7	73770739	73774608	1	0	0	2	0	0	3869	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr8:103323526-103359320	exonic	UBR5	8	103323526	103359320	0	1	0	2	0	0	35794	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr8:131172109-131193126	exonic	ASAP1	8	131172109	131193126	1	0	0	2	0	0	21017	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr8:141745349-141900868	exonic	PTK2	8	141745349	141900868	0	1	0	2	0	0	155519	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr8:42761315-42814457	exonic	HOOK3	8	42761315	42814457	0	1	0	2	0	0	53142	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr8:48508372-48511758	exonic	SPIDR	8	48508372	48511758	0	1	0	2	0	0	3386	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:127733648-127738465	exonic	SCAI	9	127733648	127738465	1	0	0	2	0	0	4817	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924

chr9:131284946-131289804	exonic	GLE1	9	131284946	131289804	0	0	1	2	0	0	4858	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:33351557-33354890	exonic	NFX1	9	33351557	33354890	1	0	0	2	0	0	3333	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:33960823-34017187	exonic	UBAP2	9	33960823	34017187	0	0	1	0	2	0	56364	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:33971648-33998862	exonic	UBAP2	9	33971648	33998862	0	2	0	4	0	0	27214	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:79952170-79966362	exonic	VPS13A	9	79952170	79966362	0	0	1	2	0	0	14192	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:85924450-85928662	exonic	FRMD3	9	85924450	85928662	1	0	0	2	0	0	4212	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:88233897-88270235	exonic	AGTPBP1	9	88233897	88270235	1	0	0	2	0	0	36338	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr9:97209104-97218619	exonic	MFSD14B	9	97209104	97218619	0	1	0	2	0	0	9515	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chrX:102071919-102082072	ncRNA_exonic	LINC00630	X	102071919	102082072	0	1	0	2	0	0	10153	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chrX:1404670-1407781	exonic	CSF2RA	X	1404670	1407781	0	1	0	2	0	0	3111	0.386898569	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chrX:154736558-154743926	exonic	TMLHE	X	154736558	154743926	1	0	0	2	0	0	7368	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chrX:24828014-24906239	exonic	POLA1	X	24828014	24906239	1	0	0	2	0	0	78225	0.341609713	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chrX:47102794-47104881	exonic	USP11	X	47102794	47104881	0	0	1	2	0	0	2087	0.409891796	-0.589023111	4.038815297	-0.145840567	0.884047251	0.998252924
chr18:9583114-9595100	exonic	PPP4R1	18	9583114	9595100	10	7	16	32	23	7	11986	14.00922972	-0.588378342	0.831637594	-0.707493681	0.479259738	0.998252924
chr13:77779390-77818086	exonic	MYCBP2	13	77779390	77818086	2	0	4	9	2	1	38696	2.554125906	-0.588195756	1.713071865	-0.343357315	0.731329667	0.998252924
chr7:77210743-77221573	exonic	PTPN12	7	77210743	77221573	3	3	0	2	7	1	10830	2.277821557	-0.587920504	1.755749817	-0.334854373	0.737734942	0.998252924
chr7:77212871-77221573	exonic	PTPN12	7	77212871	77221573	3	3	0	2	7	1	8702	2.277821557	-0.587920504	1.755749817	-0.334854373	0.737734942	0.998252924
chr5:82832825-82850857	exonic	VCAN	5	82832825	82850857	3	2	0	3	2	2	18032	1.912938643	-0.587588888	1.852903196	-0.317117963	0.751154095	0.998252924
chr12:124904502-124922542	exonic	NCOR2	12	124904502	124922542	2	0	2	3	5	0	18040	1.576583201	-0.587577277	2.126186789	-0.276352614	0.782277249	0.998252924
chr10:96201652-96234540	exonic	TBC1D12	10	96201652	96234540	1	4	0	2	8	0	32888	2.006932284	-0.585050646	2.008047717	-0.29135296	NA	NA
chr2:215632205-215661841	exonic	BARD1	2	215632205	215661841	2	1	0	0	1	2	29636	1.169714324	-0.583159477	2.489653715	-0.234233168	0.814803967	0.998252924
chr9:140622800-140638542	exonic	EHMT1	9	140622800	140638542	2	1	0	0	1	2	15742	1.169714324	-0.583159477	2.489653715	-0.234233168	0.814803967	0.998252924
chr5:58284319-58289292	exonic	PDE4D	5	58284319	58289292	3	0	6	0	5	6	4973	4.025023743	-0.582660907	1.650419611	-0.353038041	0.724059921	0.998252924
chr5:40764615-40777688	exonic	PRKAA1	5	40764615	40777688	2	4	0	1	4	3	13073	2.470153981	-0.580735175	1.745907601	-0.332626523	0.73941622	0.998252924
chr19:9724696-9728855	exonic	ZNF561	19	9724696	9728855	0	1	2	5	2	0	4159	1.342425619	-0.580082365	2.2963658	-0.252608868	0.800570477	0.998252924
chr10:32854486-32912745	exonic	CCDC7	10	32854486	32912745	3	0	0	2	3	0	58259	0.962665864	-0.579135298	2.779286159	-0.208375556	0.834935741	0.998252924
chr11:107260799-107263621	exonic	CWF19L2	11	107260799	107263621	3	0	0	2	3	0	2822	0.962665864	-0.579135298	2.779286159	-0.208375556	0.834935741	0.998252924
chr2:65228581-65237897	exonic	SLC1A4	2	65228581	65237897	3	0	0	2	3	0	9316	0.962665864	-0.579135298	2.779286159	-0.208375556	0.834935741	0.998252924
chrX:134679347-134686071	exonic	DDX26B	X	134679347	134686071	1	0	1	2	2	0	6724	0.780933582	-0.57858909	2.822632616	-0.204982075	0.83758613	0.998252924
chr5:179132679-179137066	exonic	CANX	5	179132679	179137066	2	3	0	1	2	3	4387	2.053823338	-0.577349062	1.873209056	-0.308213897	0.757919579	0.998252924
chr12:114823280-114841741	exonic	TBX5	12	114823280	114841741	30	2	3	58	8	0	18461	11.94424667	-0.57715642	1.740420823	-0.331618889	NA	NA
chr9:107645319-107651476	exonic	ABCA1	9	107645319	107651476	3	1	0	2	5	0	6157	1.378996507	-0.574674569	2.253525289	-0.255011369	0.798714318	0.998252924
chr2:148730307-148733544	exonic	ORC4	2	148730307	148733544	3	2	0	3	4	1	3237	1.846774878	-0.574023579	1.868805959	-0.30716061	0.758721126	0.998252924
chr5:60768507-60790237	exonic	ZSWIM6	5	60768507	60790237	2	3	0	7	3	0	21730	1.888063244	-0.57374039	1.985784847	-0.288923743	0.772639734	0.998252924
chr9:37126308-37126939	exonic	ZCCHC7	9	37126308	37126939	17	4	0	12	20	2	631	7.202603499	-0.572774651	1.223452069	-0.468162722	0.639668228	0.998252924

chr20:30904020-30904677	exonic	KIF3B	20	30904020	30904677	0	2	2	5	4	0	657	1.758756262	-0.571318164	2.049462873	-0.278764827	0.780425309	0.998252924
chr4:110412482-110416012	exonic	SEC24B	4	110412482	110416012	2	2	3	5	3	3	3530	3.017627578	-0.570886219	1.456668958	-0.39191212	0.695123148	0.998252924
chr2:231325976-231339162	exonic	SP100	2	231325976	231339162	4	1	0	6	3	0	13186	1.691174146	-0.569733799	2.080299103	-0.273871098	0.784183683	0.998252924
chr1:21074036-21100103	exonic	HP1BP3	1	21074036	21100103	0	0	0	2	0	0	26067	4.912271081	-0.569625505	1.229556905	-0.463277057	0.643165789	0.998252924
chr1:21076215-21100103	exonic	HP1BP3	1	21076215	21100103	4	2	2	4	5	5	23888	4.912271081	-0.569625505	1.229556905	-0.463277057	0.643165789	0.998252924
chr7:100410368-100410830	exonic	EPHB4	7	100410368	100410830	15	3	6	23	14	4	462	9.013665891	-0.569396763	0.972540418	-0.585473624	0.558229296	0.998252924
chr3:180665652-180667131	exonic	FXR1	3	180665652	180667131	2	0	2	4	4	0	1479	1.561867164	-0.568072451	2.126448435	-0.267146121	0.789356658	0.998252924
chr9:35295692-35313986	exonic	UNC13B	9	35295692	35313986	4	9	2	25	7	0	18294	5.983944595	-0.56740493	1.291687521	-0.439274144	0.660462907	0.998252924
chr7:17908029-17937069	exonic	SNX13	7	17908029	17937069	0	3	3	6	3	2	29040	2.732022268	-0.567194964	1.633225474	-0.347285156	NA	NA
chr3:100451351-100455560	exonic	TFG	3	100451351	100455560	0	2	0	1	1	1	4209	0.884109014	-0.566069775	2.755203102	-0.205454826	0.837216789	0.998252924
chr19:11526612-11527733	exonic	RGL3	19	11526612	11527733	3	3	2	16	1	0	1121	3.126335861	-0.564764492	1.624571204	-0.347639113	NA	NA
chr10:105197771-105198565	exonic	PDCD11	10	105197771	105198565	4	3	0	6	7	0	794	2.523835432	-0.563365314	1.771602547	-0.317997575	0.750486776	0.998252924
chr11:106810185-106810904	exonic	GUCY1A2	11	106810185	106810904	1	1	0	4	0	0	719	0.728508282	-0.562671421	3.15786179	-0.178181142	NA	NA
chr18:44470542-44471017	exonic	PIAS2	18	44470542	44471017	1	1	0	4	0	0	475	0.728508282	-0.562671421	3.15786179	-0.178181142	NA	NA
chr2:175976295-175986268	exonic	ATF2	2	175976295	175986268	1	1	0	4	0	0	9973	0.728508282	-0.562671421	3.15786179	-0.178181142	NA	NA
chr3:71348970-71542706	ncRNA_exonic	FOXP1-AS1	3	71348970	71542706	1	1	0	4	0	0	193736	0.728508282	-0.562671421	3.15786179	-0.178181142	NA	NA
chr7:75182751-75183825	exonic	HIP1	7	75182751	75183825	1	1	0	4	0	0	1074	0.728508282	-0.562671421	3.15786179	-0.178181142	NA	NA
chr9:19356969-19360487	exonic	DENND4C	9	19356969	19360487	1	1	0	4	0	0	3518	0.728508282	-0.562671421	3.15786179	-0.178181142	NA	NA
chr9:128103455-128109220	exonic	GAPVD1	9	128103455	128109220	2	0	3	4	4	1	5765	2.067354799	-0.560306969	1.804590606	-0.310489796	0.756188518	0.998252924
chr3:185316199-185331196	exonic	SENP2	3	185316199	185331196	3	0	3	0	7	2	14997	2.442397075	-0.560039496	1.87811933	-0.298191647	0.765556897	0.998252924
chr4:38791691-38792852	intergenic	TLR10(dist=7080), TLR1(dist=5024)	4	38791691	38792852	7	0	0	9	3	0	1161	2.222793331	-0.55917818	2.06698294	-0.270528687	0.786753551	0.998252924
chr15:44907560-44912601	exonic	SPG11	15	44907560	44912601	1	0	2	0	6	0	5041	1.249689525	-0.557790912	2.589831073	-0.215377334	NA	NA
chr1:63042932-63052295	exonic	DOCK7	1	63042932	63052295	0	0	3	0	0	3	9363	1.516462903	-0.55638796	2.682064173	-0.207447669	NA	NA
chr2:44428324-44445676	exonic	PPM1B	2	44428324	44445676	1	1	1	3	3	0	17352	1.182548188	-0.555330122	2.241719526	-0.247725068	0.804347135	0.998252924
chr7:131060182-131084192	exonic	MKLN1	7	131060182	131084192	7	9	5	7	12	10	24010	8.736430764	-0.554840443	0.992832124	-0.558846183	0.576266701	0.998252924
chr20:50071084-50140649	exonic	NFATC2	20	50071084	50140649	0	0	2	5	0	0	69565	0.926094977	-0.554453523	3.128914753	-0.177203141	NA	NA
chr2:214174782-214215369	exonic	SPAG16	2	214174782	214215369	2	2	1	7	3	0	40587	1.911056471	-0.553515148	1.848934661	-0.299369772	0.764657924	0.998252924
chr1:27432375-27436268	exonic	SLC9A1	1	27432375	27436268	2	1	0	0	3	1	3893	1.103550559	-0.552739104	2.505973975	-0.220568573	0.825428373	0.998252924
chr8:38147992-38157108	exonic	WHSC1L1	8	38147992	38157108	1	0	2	2	2	1	9116	1.286421217	-0.551706116	2.195760468	-0.2512597	0.801613331	0.998252924
chr4:40936472-40947090	exonic	APBB2	4	40936472	40947090	0	2	0	4	0	0	10618	2.383111542	-0.551575039	1.909806013	-0.288812076	NA	NA
chr13:42439871-42442613	exonic	VWAS	13	42439871	42442613	0	3	5	5	6	3	2742	3.691549808	-0.551146157	1.47197589	-0.374426076	0.708087346	0.998252924
chr11:70200406-70202360	exonic	PPFIA1	11	70200406	70202360	4	1	0	7	2	0	1954	1.67645811	-0.551011836	2.10323508	-0.261983	0.793334549	0.998252924
chr13:77791974-77818086	exonic	MYCBP2	13	77791974	77818086	4	1	0	7	2	0	26112	1.67645811	-0.551011836	2.10323508	-0.261983	0.793334549	0.998252924
chr6:170852688-170858201	exonic	PSMB1	6	170852688	170858201	2	2	2	7	3	1	5513	2.416544105	-0.549785405	1.587863494	-0.346242235	0.729160677	0.998252924
chr1:186375215-186388209	exonic	Clorf27	1	186375215	186388209	2	4	0	3	2	3	12994	2.440721907	-0.548932447	1.720714885	-0.319014179	0.74971576	0.998252924

chr2:233651859-233660931	exonic	GIGYF2	2	233651859	233660931	7	5	5	17	8	4	9072	6.76902008	-0.548827364	1.034634991	-0.530455057	0.595796461	0.998252924
chr15:90760670-90764712	exonic	SEMA4B	15	90760670	90764712	6	1	0	6	6	0	4042	2.312230297	-0.547496076	1.867178091	-0.293221133	NA	NA
chr4:10099334-10105610	exonic	WDR1	4	10099334	10105610	7	2	3	16	5	1	6276	4.457605154	-0.547479708	1.287274582	-0.42530142	NA	NA
chr11:2997253-3000467	exonic	NAP1L4	11	2997253	3000467	0	2	0	0	4	0	3214	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr12:111916874-111924628	exonic	ATXN2	12	111916874	111924628	0	2	0	0	4	0	7754	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr14:58740696-58758425	ncRNA_exonic	PSMA3-AS1	14	58740696	58758425	0	2	0	0	4	0	17729	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr15:59480316-59506919	exonic	LDHAL6B, MYO1E	15	59480316	59506919	0	2	0	0	4	0	26603	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr5:139818045-139828890	exonic	ANKHD1, ANKHD1-E1F4EBP3	5	139818045	139828890	6	3	3	7	4	0	10845	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr6:10703637-10705077	exonic	PAK1IP1	6	10703637	10705077	0	2	0	0	4	0	1440	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr6:144843115-144844324	exonic	UTRN	6	144843115	144844324	0	2	0	0	4	0	1209	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr9:114842353-114860942	exonic	SUSD1	9	114842353	114860942	0	2	0	0	4	0	18589	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr9:35231116-35243361	exonic	UNC13B	9	35231116	35243361	0	2	0	0	4	0	12245	0.832661285	-0.547334548	3.257928793	-0.168000771	NA	NA
chr1:48821341-48869554	exonic	SPATA6	1	48821341	48869554	2	0	0	3	2	0	48213	0.947949827	-0.547184714	2.793119943	-0.195904481	NA	NA
chr17:65936554-65972074	exonic	BPTF	17	65936554	65972074	65	0	1	54	56	0	35520	21.09977073	-0.545495743	2.651191055	-0.205754973	NA	NA
chr15:81262803-81274523	exonic	MESDC2	15	81262803	81274523	4	0	0	7	0	0	11720	1.260127467	-0.544422765	2.775328606	-0.196165155	NA	NA
chr16:4516153-4519466	exonic	NMRAL1	16	4516153	4519466	3	5	2	12	6	1	3313	3.962997636	-0.543702146	1.323345642	-0.410854224	0.68117943	0.998252924
chr1:151175176-151175751	intronic	PIP5K1A	1	151175176	151175751	0	0	2	0	0	2	575	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr3:105389076-105423017	exonic	CBLB	3	105389076	105423017	0	0	2	0	0	2	33941	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr3:172486796-172504364	exonic	ECT2	3	172486796	172504364	0	0	2	0	0	2	17568	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr4:88005271-88012981	exonic	AFF1	4	88005271	88012981	0	0	2	0	0	2	7710	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr6:109900752-109940439	exonic	AK9	6	109900752	109940439	0	0	2	0	0	2	39687	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr6:151652928-151653266	intronic	AKAP12	6	151652928	151653266	0	0	2	0	0	2	338	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr9:140648622-140657272	exonic	EHMT1	9	140648622	140657272	0	0	2	0	0	2	8650	1.010975269	-0.542562415	3.086538198	-0.175783477	0.860464051	0.998252924
chr15:76566752-76588078	exonic	ETFA	15	76566752	76588078	2	4	4	8	4	4	21326	4.311628388	-0.542082918	1.270752356	-0.426584232	0.669682184	0.998252924
chr5:14741935-14758707	exonic	ANKH	5	14741935	14758707	0	2	2	0	4	2	16772	1.843636554	-0.541854777	2.083456068	-0.260074971	NA	NA
chr2:223765391-223773868	exonic	ACSL3	2	223765391	223773868	3	5	1	0	8	4	8477	3.656702659	-0.538676222	1.550399411	-0.347443515	NA	NA
chr1:114128008-114137182	exonic	MAGI3	1	114128008	114137182	1	0	1	3	1	0	9174	0.766217546	-0.537368817	2.860381025	-0.187866166	0.850981566	0.998252924
chr1:198247090-198266370	exonic	NEK7	1	198247090	198266370	1	0	1	3	1	0	19280	0.766217546	-0.537368817	2.860381025	-0.187866166	0.850981566	0.998252924
chr3:47466974-47476627	exonic	SCAP	3	47466974	47476627	1	0	1	3	1	0	9653	0.766217546	-0.537368817	2.860381025	-0.187866166	0.850981566	0.998252924
chrX:20204413-20222221	exonic	RPS6KA3	X	20204413	20222221	1	0	1	3	1	0	17808	0.766217546	-0.537368817	2.860381025	-0.187866166	0.850981566	0.998252924
chr3:155611306-155629068	exonic	GMPS	3	155611306	155629068	4	0	1	6	3	0	17762	1.714167373	-0.536397446	2.072947716	-0.258760721	0.795819866	0.998252924
chr1:9991948-9995685	exonic	LZIC	1	9991948	9995685	3	2	1	4	5	1	3737	2.27138271	-0.535803921	1.625524784	-0.329619041	0.741687833	0.998252924
chr14:76198680-76201632	exonic	TTLL5	14	76198680	76201632	1	2	0	5	1	0	2952	1.130122888	-0.535764559	2.459135077	-0.217867072	NA	NA
chr1:32745271-32745811	exonic	LCK	1	32745271	32745811	3	0	1	2	5	0	540	1.401989733	-0.534241142	2.242763787	-0.238206602	0.811720856	0.998252924
chr1:220275470-220276119	exonic	IARS2	1	220275470	220276119	0	2	0	2	0	1	649	0.869392977	-0.53272649	2.969019027	-0.179428453	0.857601292	0.998252924

chr7:77214859-77230123	exonic	PTPN12	7	77214859	77230123	7	5	3	14	6	4	15264	5.813493029	-0.531036692	1.104357995	-0.480855569	0.630619153	0.998252924
chr12:94603365-94621011	exonic	PLXNC1	12	94603365	94621011	3	1	0	4	3	0	17646	1.349564433	-0.530101622	2.253510734	-0.23523368	0.814027367	0.998252924
chr9:110062421-110074018	exonic	RAD23B	9	110062421	110074018	3	5	2	6	9	2	11597	3.996430199	-0.52653414	1.293348363	-0.407109295	0.683927717	0.998252924
chr2:43973004-43989529	exonic	PLEKHH2	2	43973004	43989529	6	0	2	13	2	0	16525	2.792562558	-0.525697132	1.782409557	-0.294936217	0.768042605	0.998252924
chr3:67568670-67579610	exonic	SUCLG2	3	67568670	67579610	2	2	0	2	1	2	10940	1.556612893	-0.525129837	2.046424306	-0.256608483	0.797481025	0.998252924
chr5:70798425-70808255	exonic	BDP1	5	70798425	70808255	3	2	0	5	6	0	9830	2.167509682	-0.523637263	1.871531243	-0.279790821	0.779637994	0.998252924
chr10:31676053-31750166	exonic	ZEB1	10	31676053	31750166	2	0	0	0	3	0	74113	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr12:104331472-104337652	exonic	HSP90B1	12	104331472	104337652	2	0	0	0	3	0	6180	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr12:104332117-104337652	exonic	HSP90B1	12	104332117	104337652	2	0	0	0	3	0	5535	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr12:81593119-81627250	exonic	ACSS3	12	81593119	81627250	2	0	0	0	3	0	34131	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr13:25051838-25052414	exonic	PARP4	13	25051838	25052414	2	0	0	0	3	0	576	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr13:41400642-41446296	ncRNA_exonic	TPTE2P5	13	41400642	41446296	2	0	0	0	3	0	45654	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr17:61869771-61885260	exonic	DDX42	17	61869771	61885260	2	0	0	0	3	0	15489	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr18:48584494-48586286	exonic	SMAD4	18	48584494	48586286	2	0	0	0	3	0	1792	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr19:23990627-23991616	ncRNA_exonic	RPSAP58	19	23990627	23991616	2	0	0	0	3	0	989	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr19:24309056-24310982	exonic	ZNF254	19	24309056	24310982	2	0	0	0	3	0	1926	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr2:15555669-15618413	exonic	NBAS	2	15555669	15618413	2	0	0	0	3	0	62744	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr20:35689505-35693876	exonic	RBL1	20	35689505	35693876	2	0	0	0	3	0	4371	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr6:158720525-158735300	exonic	TULP4	6	158720525	158735300	2	0	0	0	3	0	14775	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr6:167435896-167438382	exonic	FGFR1OP	6	167435896	167438382	2	0	0	0	3	0	2486	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr7:92146589-92147569	exonic	PEX1	7	92146589	92147569	2	0	0	0	3	0	980	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr8:124349864-124351686	exonic	ATAD2	8	124349864	124351686	2	0	0	0	3	0	1822	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr8:125504442-125504801	intronic	TATDN1	8	125504442	125504801	2	0	0	0	3	0	359	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr8:125987848-125990332	exonic	ZNF572	8	125987848	125990332	2	0	0	0	3	0	2484	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr8:17820609-17869336	exonic	PCM1	8	17820609	17869336	2	0	0	0	3	0	48727	0.621056151	-0.522755004	3.633256647	-0.143880561	NA	NA
chr3:56600621-56601081	exonic	CCDC66	3	56600621	56601081	3	4	8	8	16	3	460	6.373801885	-0.522731345	1.115509314	-0.468603299	0.639353219	0.998252924
chr14:92258710-92268765	exonic	TC2N	14	92258710	92268765	1	0	2	2	4	0	10055	1.220257451	-0.522206399	2.371969637	-0.220157286	0.825748661	0.998252924
chr3:172013152-172028671	exonic	FNDC3B	3	172013152	172028671	1	0	2	2	4	0	15519	1.220257451	-0.522206399	2.371969637	-0.220157286	0.825748661	0.998252924
chr1:10211383-10221344	exonic	UBE4B	1	10211383	10221344	0	2	0	1	3	0	9961	0.817945249	-0.521012897	3.006091582	-0.173319037	0.862400661	0.998252924
chr1:205588084-205593019	exonic	ELK4	1	205588084	205593019	0	2	0	1	3	0	4935	0.817945249	-0.521012897	3.006091582	-0.173319037	0.862400661	0.998252924
chr17:40879652-40880970	exonic	EZH1	17	40879652	40880970	0	2	0	1	3	0	1318	0.817945249	-0.521012897	3.006091582	-0.173319037	0.862400661	0.998252924
chr4:79747190-79786874	exonic	BMP2K	4	79747190	79786874	0	2	0	1	3	0	39684	0.817945249	-0.521012897	3.006091582	-0.173319037	0.862400661	0.998252924
chr2:24103508-24108699	exonic	ATAD2B	2	24103508	24108699	1	1	2	3	5	0	5191	1.621872057	-0.520264789	1.989444441	-0.2615126	0.793697234	0.998252924
chr4:17503341-17510986	exonic	QDPR	4	17503341	17510986	1	3	0	6	2	0	7645	1.531737494	-0.518331837	2.179484536	-0.237823131	0.812018277	0.998252924
chr3:171965322-172003774	exonic	FNDC3B	3	171965322	172003774	5	10	9	6	8	15	38452	10.39248075	-0.518076064	1.025722849	-0.505083868	NA	NA

chr15:85081762-85089508	ncRNA_exonic	UBE2Q2P1	15	85081762	85089508	2	0	4	3	9	0	7746	2.455230939	-0.517959888	1.843844999	-0.280912923	0.778777189	0.998252924
chr19:21587930-21588658	exonic	ZNF493	19	21587930	21588658	4	1	3	5	10	0	728	3.023861791	-0.517851401	1.57114323	-0.32960165	0.741700976	0.998252924
chr10:128768965-128926028	exonic	DOCK1	10	128768965	128926028	4	0	3	4	9	0	157063	2.622247184	-0.51769846	1.771814177	-0.292185528	0.770144776	0.998252924
chr4:144336629-144387378	exonic	GAB1	4	144336629	144387378	4	0	1	7	2	0	50749	1.699451336	-0.517447098	2.095761235	-0.246901741	0.804984269	0.998252924
chr18:9583114-9595151	exonic	PPP4R1	18	9583114	9595151	11	9	16	32	23	8	12037	14.79498687	-0.517421867	0.80170304	-0.645403399	0.518665801	0.998252924
chr17:25631805-25636298	exonic	WSB1	17	25631805	25636298	0	2	3	3	1	0	4493	1.365418846	-0.516196362	2.464099792	-0.209486792	0.834068245	0.998252924
chr11:128628009-128651918	exonic	FLI1	11	128628009	128651918	0	1	5	11	3	0	23909	2.693128429	-0.515954152	1.834746877	-0.281212715	0.778547253	0.998252924
chr6:87920169-87928449	exonic	ZNF292	6	87920169	87928449	12	0	6	22	12	0	8280	6.522637001	-0.515920281	1.362014475	-0.378792069	0.704842277	0.998252924
chr1:21091869-21100103	exonic	HP1BP3	1	21091869	21100103	0	2	2	0	6	1	8234	1.777472789	-0.514172802	2.124428413	-0.242028773	0.808757868	0.998252924
chr1:65830317-65831879	exonic	DNAJC6	1	65830317	65831879	5	3	4	12	9	1	1562	4.63004024	-0.511322408	1.229697018	-0.4158117	0.677547796	0.998252924
chr10:98703869-98711953	exonic	LCOR	10	98703869	98711953	4	3	1	4	2	4	8084	3.136219013	-0.510955182	1.47339445	-0.346787774	0.728750763	0.998252924
chr10:61844359-61845011	exonic	ANK3	10	61844359	61845011	2	1	0	1	2	1	652	1.088834522	-0.510174012	2.345104172	-0.21754855	0.827780876	0.998252924
chr6:17665469-17669777	exonic	NUP153	6	17665469	17669777	4	0	2	0	6	2	4308	2.253087571	-0.510125323	1.926264633	-0.26482619	NA	NA
chr15:91181677-91184431	exonic	CRTC3	15	91181677	91184431	6	0	0	2	3	2	2754	1.96606391	-0.508715172	2.002791278	-0.25400309	NA	NA
chr14:66028054-66096324	exonic	FUT8	14	66028054	66096324	0	4	1	0	10	0	68270	2.10464644	-0.508107528	2.194252402	-0.231562936	NA	NA
chr11:103173821-103229087	exonic	DYNC2H1	11	103173821	103229087	4	1	0	9	0	0	55266	1.647026037	-0.506993089	2.336928847	-0.216948449	NA	NA
chr19:48229068-48229481	exonic	EHD2	19	48229068	48229481	4	1	0	9	0	0	413	1.647026037	-0.506993089	2.336928847	-0.216948449	NA	NA
chr2:234296902-234299129	exonic	DGKD	2	234296902	234299129	6	7	2	8	9	5	2227	5.869221223	-0.506962809	1.115374143	-0.454522648	0.649452695	0.998252924
chr10:3201105-3202522	exonic	PITRM1	10	3201105	3202522	2	3	1	3	4	2	1417	2.397551369	-0.504511733	1.597996737	-0.315715121	0.752218748	0.998252924
chr13:41133645-41134997	exonic	FOXO1	13	41133645	41134997	0	1	2	0	4	1	1352	1.361142146	-0.502108826	2.344033746	-0.214207166	0.830385508	0.998252924
chr12:70193988-70195501	exonic	RAB3IP	12	70193988	70195501	11	32	11	19	43	19	1513	22.24589024	-0.501903083	0.800024627	-0.627359541	NA	NA
chr17:25630392-25638642	exonic	WSB1	17	25630392	25638642	0	3	0	2	4	0	8250	1.219559855	-0.501041957	2.561296232	-0.195620464	0.844907242	0.998252924
chr3:129546645-129551669	exonic	TMCC1	3	129546645	129551669	3	2	0	6	3	0	5024	1.736463003	-0.500026759	2.035955399	-0.245598091	0.805993367	0.998252924
chr9:96238537-96261168	exonic	FAM120A	9	96238537	96261168	15	11	11	9	13	2	22631	1.126543785	-0.500012696	2.48997127	-0.200810629	0.840846652	0.998252924
chr11:72695132-72700142	exonic	FCHSD2	11	72695132	72700142	6	3	7	16	11	2	5010	6.326353252	-0.499360684	1.093833922	-0.456523311	0.648013712	0.998252924
chr1:155646338-155650247	exonic	YY1AP1	1	155646338	155650247	2	3	0	5	0	2	3909	1.928795426	-0.497128449	2.021383561	-0.245934744	0.805732748	0.998252924
chr12:459786-463400	exonic	KDM5A	12	459786	463400	1	2	0	6	0	0	3614	1.115406852	-0.495511774	2.68008904	-0.184886311	NA	NA
chr1:32495898-32498935	exonic	KHDRBS1	1	32495898	32498935	1	3	0	7	1	0	3037	1.517021458	-0.494832402	2.223070112	-0.222589652	NA	NA
chr2:203329531-203332412	exonic	BMPR2	2	203329531	203332412	18	12	20	63	29	4	2881	19.798742	-0.494172598	0.806648534	-0.612624429	0.540124701	0.998252924
chr17:28811231-28847039	exonic	GOSR1	17	28811231	28847039	0	0	3	0	2	2	35808	1.450299138	-0.494076836	2.473908005	-0.199715121	0.841703387	0.998252924
chr3:114069120-114070725	exonic	ZBTB20	3	114069120	114070725	11	7	11	15	18	10	1605	11.6640967	-0.491282279	0.859504462	-0.571587817	0.567601251	0.998252924
chr3:127980970-127983624	exonic	EEFSEC	3	127980970	127983624	1	2	3	4	8	0	2654	2.462810532	-0.491156494	1.704227116	-0.288198967	0.773194439	0.998252924
chr20:50133322-50140649	exonic	NFATC2	20	50133322	50140649	2	1	5	14	3	0	7327	3.27003647	-0.48984457	1.586639223	-0.308730909	0.75752623	0.998252924
chr7:121753171-121773795	exonic	AASS	7	121753171	121773795	8	5	0	21	3	0	20624	4.498895891	-0.488905781	1.539018435	-0.317673765	NA	NA
chr12:123829804-123834988	exonic	SBNO1	12	123829804	123834988	0	1	1	0	4	0	5184	0.855654512	-0.488253323	2.98680854	-0.16346991	NA	NA

chrX:70641158-70644088	exonic	TAF1	X	70641158	70644088	0	1	1	0	4	0	2930	0.855654512	-0.488253323	2.98680854	-0.16346991	NA	NA
chr3:170077486-170079217	exonic	SKIL		170077486	170079217	27	17	8	24	42	12	1731	19.35673651	-0.487872366	0.751813832	-0.648927095	0.516385501	0.998252924
chr6:158994451-159010814	exonic	TMEM181		158994451	159010814	7	3	3	9	8	3	16363	4.86722074	-0.487736406	1.173547862	-0.415608449	0.677696543	0.998252924
chr3:51664287-51664947	exonic	RAD54L2		51664287	51664947	1	0	1	4	0	0	660	0.751501509	-0.485686083	3.122809284	-0.155528577	NA	NA
chr9:100132203-100133988	exonic	CCDC180		100132203	100133988	1	0	1	4	0	0	1785	0.751501509	-0.485686083	3.122809284	-0.155528577	NA	NA
chr7:6840578-6841154	exonic	CCZ1B		6840578	6841154	1	5	3	10	4	2	576	3.755833771	-0.484348305	1.371283068	-0.353208113	0.723932426	0.998252924
chr21:17135209-17138460	exonic	USP25		17135209	17138460	11	13	17	16	23	18	3251	17.07056301	-0.483118552	0.811476712	-0.59535726	0.551604688	0.998252924
chr10:22171210-22209892	exonic	DNAJC1		22171210	22209892	0	0	4	5	4	0	38682	1.804742715	-0.48225402	2.223819857	-0.216858402	NA	NA
chr10:22171210-22218070	exonic	DNAJC1		22171210	22218070	0	0	4	5	4	0	46860	1.804742715	-0.48225402	2.223819857	-0.216858402	NA	NA
chr15:93542222-93544193	exonic	CHD2		93542222	93544193	0	2	0	2	2	0	1971	0.803229212	-0.482253514	3.004971989	-0.160485194	0.872498884	0.998252924
chr19:23521529-23545527	exonic	ZNF91		23521529	23545527	0	2	0	2	2	0	23998	0.803229212	-0.482253514	3.004971989	-0.160485194	0.872498884	0.998252924
chr2:203818727-203820481	exonic	CARF		203818727	203820481	0	2	0	2	2	0	1754	0.803229212	-0.482253514	3.004971989	-0.160485194	0.872498884	0.998252924
chr20:32617575-32619410	UTR5	<small>ENST00000232123, ENST00000232124, ENST00000232125, ENST00000232126, ENST00000232127, ENST00000232128, ENST00000232129</small>		32617575	32619410	0	2	0	2	2	0	1835	0.803229212	-0.482253514	3.004971989	-0.160485194	0.872498884	0.998252924
chr7:137597736-137600758	exonic	CREB3L2		137597736	137600758	0	2	0	2	2	0	3022	0.803229212	-0.482253514	3.004971989	-0.160485194	0.872498884	0.998252924
chr19:55144467-55209724	exonic	LILRB1, LILRB4		55144467	55209724	2	4	0	12	0	0	65257	2.230813704	-0.481520747	2.11079746	-0.228122667	NA	NA
chr11:108137897-108150335	exonic	ATM		108137897	108150335	2	0	0	1	2	0	12438	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr13:61083896-61141784	exonic	TDRD3		61083896	61141784	2	0	0	1	2	0	57888	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr16:67719359-67719705	exonic	GFOD2		67719359	67719705	2	0	0	1	2	0	346	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr17:27809214-27838010	exonic	TAOK1		27809214	27838010	2	0	0	1	2	0	28796	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr19:50102528-50105175	exonic	PRR12		50102528	50105175	2	0	0	1	2	0	2647	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr2:101874252-101883341	exonic	CNOT11		101874252	101883341	2	0	0	1	2	0	9089	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr2:39499423-39517475	exonic	MAP4K3		39499423	39517475	2	0	0	1	2	0	18052	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr22:42032116-42033795	exonic	XRCC6		42032116	42033795	2	0	0	1	2	0	1679	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr7:26236020-26237352	exonic	HNRNPA2B1		26236020	26237352	2	0	0	1	2	0	1332	0.606340114	-0.479747633	3.355144994	-0.142988644	0.88629915	0.998252924
chr1:215759837-215768813	exonic	KCTD3		215759837	215768813	2	1	0	2	1	1	8976	1.074118486	-0.47912812	2.353650387	-0.203568093	0.838691029	0.998252924
chr4:178274461-178281831	exonic	NEIL3		178274461	178281831	0	3	4	4	4	3	7370	3.145914553	-0.47898698	1.56001873	-0.307039249	0.758813498	0.998252924
chr3:56703727-56707753	exonic	FAM208A		56703727	56707753	0	1	3	0	6	1	4026	1.800466015	-0.478348635	2.137656766	-0.223772424	0.822934389	0.998252924
chr13:96409897-96416207	exonic	DNAJC3		96409897	96416207	13	4	7	20	15	4	6310	8.929330096	-0.477958146	0.948342994	-0.503992912	0.614266358	0.998252924
chr1:184559873-184588764	exonic	Clorf21		184559873	184588764	3	0	0	5	0	0	28891	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA
chr16:11214471-11220003	exonic	CLEC16A		11214471	11220003	3	0	0	5	0	0	5532	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA
chr2:46607857-46608734	splicing	EPAS1		46607857	46608734	3	0	0	5	0	0	877	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA
chr4:40892380-40947087	exonic	APBB2		40892380	40947087	3	0	0	5	0	0	54707	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA
chr4:88084710-88116842	exonic	KLHL8		88084710	88116842	3	0	0	5	0	0	32132	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA
chr9:33141438-33142090	intronic	B4GALT1		33141438	33142090	3	0	0	5	0	0	652	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA
chrX:109310574-109352374	exonic	TMEM164	X	109310574	109352374	3	0	0	5	0	0	41800	0.918517754	-0.477785695	3.114043852	-0.153429341	NA	NA

chr9:115024714-115060196	exonic	PTBP3	9	115024714	115060196	3	4	1	0	1	6	35482	3.251672125	-0.476895523	1.697359696	-0.280963148	NA	NA
chr18:77488906-77496521	exonic	CTDP1	18	77488906	77496521	3	1	3	13	1	0	7615	2.656119133	-0.47473827	1.723043775	-0.275523047	NA	NA
chr13:46090277-46104915	exonic	COG3	13	46090277	46104915	0	3	0	3	3	0	14638	1.204843818	-0.474598923	2.562520495	-0.185207855	NA	NA
chr18:72997403-73000603	exonic	TSHZ1	18	72997403	73000603	0	3	0	3	3	0	3200	1.204843818	-0.474598923	2.562520495	-0.185207855	NA	NA
chr8:61484604-61504528	exonic	RAB2A	8	61484604	61504528	0	3	0	3	3	0	19924	1.204843818	-0.474598923	2.562520495	-0.185207855	NA	NA
chr18:21644103-21649235	exonic	TTC39C	18	21644103	21649235	9	5	11	15	15	8	5132	10.07805174	-0.474210709	0.910011988	-0.521103805	0.602294461	0.998252924
chr13:49771012-49772710	exonic	FNDC3A	13	49771012	49772710	6	0	0	5	0	2	1698	1.9219158	-0.473691879	2.207730007	-0.214560602	NA	NA
chr2:168869143-168986268	exonic	STK39	2	168869143	168986268	5	0	0	0	3	2	117125	1.624454197	-0.472672854	2.34636651	-0.201448858	0.840347615	0.998252924
chr17:4186092-4200109	exonic	UBE2G1	17	4186092	4200109	3	11	3	1	12	4	14017	3.855710074	-0.472616074	1.555960203	-0.303745606	0.76132171	0.998252924
chr12:117365827-117402659	exonic	FBXW8	12	117365827	117402659	0	0	2	0	2	1	36832	0.944811503	-0.472385519	2.888134823	-0.163560757	0.87007694	0.998252924
chr5:77385216-77461496	exonic	AP3B1	5	77385216	77461496	2	1	1	2	3	1	76280	1.513442355	-0.471726095	1.928261367	-0.244638047	0.806736702	0.998252924
chr6:111208707-111211559	exonic	AMD1	6	111208707	111211559	0	3	3	3	7	1	2852	2.588979191	-0.469729585	1.688224218	-0.278238862	NA	NA
chr15:76146726-76165909	exonic	UBE2Q2	15	76146726	76165909	1	2	0	0	1	2	19183	1.21500318	-0.469326222	2.461169083	-0.190692393	0.848766599	0.998252924
chr5:145634505-145638156	exonic	RBM27	5	145634505	145638156	1	0	2	4	2	0	3651	1.190825378	-0.46903123	2.388265523	-0.196389901	0.844305	0.998252924
chr5:56542126-56543042	exonic	GPBP1	5	56542126	56543042	0	4	0	4	4	0	916	1.606458424	-0.468246566	2.307309139	-0.202940542	NA	NA
chr2:144966169-144993304	exonic	GTDC1	2	144966169	144993304	0	2	1	2	4	0	27135	1.242553081	-0.46803333	2.359222725	-0.198384547	0.842744207	0.998252924
chr7:129760588-129762042	exonic	KLHDC10	7	129760588	129762042	6	2	11	7	14	7	1454	7.888526398	-0.467628404	1.067323894	-0.438131673	NA	NA
chr2:15601324-15618413	exonic	NBAS	2	15601324	15618413	2	2	0	3	4	0	17089	1.409569326	-0.467516874	2.204614052	-0.212062911	0.832057954	0.998252924
chr11:66288740-66291353	exonic	BBS1	11	66288740	66291353	0	1	1	1	3	0	2613	0.840938475	-0.466906347	2.771972691	-0.168438293	0.866238485	0.998252924
chr5:179688683-179707608	exonic	MAPK9	5	179688683	179707608	4	6	4	0	19	3	18925	5.574855508	-0.466193815	1.355750198	-0.343864095	0.730948495	0.998252924
chr15:77657505-77681144	intronic	PEAK1	15	77657505	77681144	5	0	0	6	2	0	23639	1.524857868	-0.46441867	2.348331194	-0.197765405	0.843228614	0.998252924
chr19:10906047-10909248	exonic	DNM2	19	10906047	10909248	5	0	0	6	2	0	3201	1.524857868	-0.46441867	2.348331194	-0.197765405	0.843228614	0.998252924
chr8:101271335-101277013	exonic	RNF19A	8	101271335	101277013	0	0	4	6	3	0	5678	1.790026678	-0.462843679	2.235857915	-0.207009433	0.836002492	0.998252924
chr1:21167348-21191755	exonic	EIF4G3	1	21167348	21191755	2	1	0	2	3	0	24407	1.00795472	-0.462440124	2.529083632	-0.182848886	0.85491659	0.998252924
chr20:35236117-35238133	exonic	C20orf24, TGIF2-C20orf24	20	35236117	35238133	2	1	0	2	3	0	2016	1.00795472	-0.462440124	2.529083632	-0.182848886	0.85491659	0.998252924
chr3:52771601-52773650	exonic	NEK4	3	52771601	52773650	2	1	0	2	3	0	2049	1.00795472	-0.462440124	2.529083632	-0.182848886	0.85491659	0.998252924
chr8:128818615-128820108	ncRNA_intronic	PVT1	8	128818615	128820108	3	0	0	0	0	2	1493	1.003398046	-0.461742422	3.070641694	-0.150373267	NA	NA
chr3:169835013-169840532	exonic	PHC3	3	169835013	169840532	2	0	1	1	2	1	5519	1.111827749	-0.460200482	2.330466456	-0.197471404	0.843458658	0.998252924
chr21:40578033-40584633	exonic	BRWD1	21	40578033	40584633	22	9	3	26	19	6	6600	11.91093069	-0.459314383	0.896823616	-0.512156877	0.60854122	0.998252924
chr21:40578033-40585479	exonic	BRWD1	21	40578033	40585479	22	9	3	26	19	6	7446	11.91093069	-0.459314383	0.896823616	-0.512156877	0.60854122	0.998252924
chr7:22259484-22357656	exonic	RAPGEF5	7	22259484	22357656	0	5	0	0	0	4	98172	2.104253431	-0.459291123	3.818585696	-0.120277809	NA	NA
chr2:168920009-168931741	exonic	STK39	2	168920009	168931741	4	0	1	2	4	1	11732	1.718167863	-0.45855354	1.956316865	-0.234396354	0.814677289	0.998252924
chr10:27311486-27337908	exonic	ANKRD26	10	27311486	27337908	0	1	1	2	0	1	26422	0.892386204	-0.457665412	2.745301699	-0.166708603	0.867599336	0.998252924
chr5:108281830-108295048	exonic	FER	5	108281830	108295048	0	1	1	2	0	1	13218	0.892386204	-0.457665412	2.745301699	-0.166708603	0.867599336	0.998252924
chr8:62531536-62557191	exonic	ASPH	8	62531536	62557191	2	5	2	2	6	4	25655	3.695552668	-0.453246484	1.391693449	-0.325679829	0.744666607	0.998252924

chr8:61653817-61655656	exonic	CHD7	8	61653817	61655656	3	8	5	3	16	5	1839	6.563978297	-0.450598959	1.143889467	-0.39391827	NA	NA
chr16:89484691-89497734	ncRNA_exonic	LOC101927817	16	89484691	89497734	4	1	2	4	6	1	13043	2.544390301	-0.448877679	1.563697938	-0.28706163	0.774065131	0.998252924
chr12:2929251-2930958	exonic	ITFG2	12	2929251	2930958	3	6	0	13	4	0	1707	3.298773317	-0.447273485	1.658208431	-0.26973297	0.787365694	0.998252924
chr1:78097534-78107340	exonic	ZZZ3	1	78097534	78107340	3	3	0	3	3	2	9806	2.208241864	-0.447177868	1.743002681	-0.256556041	0.797521513	0.998252924
chr10:86223688-86237420	exonic	CCSER2	10	86223688	86237420	0	3	0	4	2	0	13732	1.190127781	-0.446648654	2.580064275	-0.173115321	0.862560783	0.998252924
chr10:11551593-11569566	exonic	USP6NL	10	11551593	11569566	2	0	0	0	1	1	17973	0.687219916	-0.446333735	3.254855283	-0.137128596	0.89092915	0.998252924
chr11:33065295-33076271	exonic	TCP11L1	11	33065295	33076271	2	0	0	0	1	1	10976	0.687219916	-0.446333735	3.254855283	-0.137128596	0.89092915	0.998252924
chr7:138954139-138969320	exonic	UBN2	7	138954139	138969320	2	0	0	0	1	1	15181	0.687219916	-0.446333735	3.254855283	-0.137128596	0.89092915	0.998252924
chr2:47604152-47607108	exonic	EPCAM	2	47604152	47607108	2	3	0	0	2	3	2956	1.947511953	-0.445058806	2.04926321	-0.217179913	0.828068138	0.998252924
chr7:22999874-23030758	exonic	FAM126A	7	22999874	23030758	7	7	6	28	4	3	30884	7.691937644	-0.444938723	1.067517211	-0.416797705	NA	NA
chr12:70671911-70713144	exonic	CNOT2	12	70671911	70713144	3	0	3	5	6	0	41233	2.236489361	-0.444836699	1.858969536	-0.239292086	0.810879101	0.998252924
chr11:77330650-77336863	exonic	CLNS1A	11	77330650	77336863	8	5	4	14	10	3	6213	6.315640076	-0.444241748	1.056519266	-0.420476713	0.674137238	0.998252924
chr1:31810021-31821821	exonic	ZCCHC17	1	31810021	31821821	4	0	0	2	4	0	11800	1.212680229	-0.442899747	2.548721523	-0.173773299	0.862043629	0.998252924
chr17:3969740-3976050	exonic	ZZEF1	17	3969740	3976050	3	2	2	9	4	0	6310	2.570962631	-0.442313653	1.634415816	-0.270624922	0.786679526	0.998252924
chr4:103225473-103236987	exonic	SLC39A8	4	103225473	103236987	24	8	5	30	7	6	11514	7.021575125	-0.440804728	1.100754749	-0.400456803	0.688820093	0.998252924
chr1:167921037-167944253	exonic	DCAF6	1	167921037	167944253	2	0	1	1	4	0	23216	1.045663983	-0.440105018	2.528727056	-0.17404212	NA	NA
chr13:21305979-21311944	exonic	N6AMT2	13	21305979	21311944	0	2	0	3	1	0	5965	0.788513175	-0.440002626	3.044553146	-0.14452125	0.885088877	0.998252924
chr14:21883732-21897494	exonic	CHD8	14	21883732	21897494	0	2	0	3	1	0	13762	0.788513175	-0.440002626	3.044553146	-0.14452125	0.885088877	0.998252924
chr5:179136873-179147561	exonic	CANX	5	179136873	179147561	0	2	0	3	1	0	10688	0.788513175	-0.440002626	3.044553146	-0.14452125	0.885088877	0.998252924
chr9:139341306-139342613	exonic	SEC16A	9	139341306	139342613	0	2	0	3	1	0	1307	0.788513175	-0.440002626	3.044553146	-0.14452125	0.885088877	0.998252924
chr2:168920009-168986268	exonic	STK39	2	168920009	168986268	15	5	4	7	4	13	66259	8.830390537	-0.438711352	1.082469404	-0.40528753	NA	NA
chr2:168931491-168986116	exonic	STK39	2	168931491	168986116	15	5	4	7	4	13	54625	8.830390537	-0.438711352	1.082469404	-0.40528753	NA	NA
chr1:33745724-33747412	exonic	ZNF362	1	33745724	33747412	2	0	0	2	1	0	1688	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr12:5841685-5860136	exonic	ANO2	12	5841685	5860136	2	0	0	2	1	0	18451	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr14:23502576-23502883	exonic	PSMB5	14	23502576	23502883	2	0	0	2	1	0	307	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr14:60581417-60592541	exonic	PCNXL4	14	60581417	60592541	2	0	0	2	1	0	11124	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr16:29845053-29848279	exonic	MVP	16	29845053	29848279	2	0	0	2	1	0	3226	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr5:52145198-52161651	exonic	ITGA1	5	52145198	52161651	2	0	0	2	1	0	16453	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr7:158662545-158664253	exonic	WDR60	7	158662545	158664253	2	0	0	2	1	0	1708	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr9:98231032-98232213	exonic	PTCH1	9	98231032	98232213	2	0	0	2	1	0	1181	0.591624078	-0.437369841	3.383147382	-0.12927898	0.897136904	0.998252924
chr16:85667519-85667738	exonic	GSE1	16	85667519	85667738	48	31	9	96	10	22	219	31.56632084	-0.436054018	0.820376459	-0.53152917	0.595052133	0.998252924
chr18:9524591-9525849	exonic	RALBP1	18	9524591	9525849	26	16	9	37	26	12	1258	18.69635205	-0.434689389	0.732645506	-0.593314756	0.552970526	0.998252924
chr19:18648410-18649243	exonic	FKBP8	19	18648410	18649243	3	3	1	11	2	0	833	2.518537331	-0.433643527	1.699607704	-0.255143305	NA	NA
chr10:126370175-126384781	exonic	FAM53B	10	126370175	126384781	4	1	0	4	4	0	14606	1.599578798	-0.432833456	2.116140257	-0.204539115	0.837932229	0.998252924
chr1:16263657-16264501	exonic	SPEN	1	16263657	16264501	7	0	2	16	0	0	844	2.998428813	-0.432432204	1.94227478	-0.222642135	NA	NA

chr12:22635490-22659753	exonic	C2CD5	12	22635490	22659753	2	1	0	3	2	0	24263	0.993238684	-0.431188739	2.540315267	-0.169738278	0.865215969	0.998252924	
chr2:61258553-61259248	exonic	PEX13	2	61258553	61259248	2	1	0	3	2	0	695	0.993238684	-0.431188739	2.540315267	-0.169738278	0.865215969	0.998252924	
chr7:91707009-91709466	exonic	AKAP9	7	91707009	91709466	2	1	0	3	2	0	2457	0.993238684	-0.431188739	2.540315267	-0.169738278	0.865215969	0.998252924	
chr2:242282406-242285664	exonic		2-Sep	2	242282406	242285664	1	3	0	2	3	1	3258	1.535737984	-0.430639301	2.045974612	-0.210481253	0.833292082	0.998252924
chr12:97157928-97222866	exonic	CFAP54	12	97157928	97222866	2	0	1	2	1	1	64938	1.097111712	-0.429053857	2.33874301	-0.183454897	0.854441105	0.998252924	
chr9:86297865-86301070	exonic	UBQLN1	9	86297865	86301070	1	1	4	0	7	2	3205	2.555968014	-0.426450456	1.774907313	-0.240266324	NA	NA	
chrX:130883333-130928494	ncRNA_exonic	FIRRE	X	130883333	130928494	0	0	6	2	6	2	45161	2.738838672	-0.423970081	1.832174923	-0.231402622	NA	NA	
chr1:21083658-21100103	exonic	HP1BP3	1	21083658	21100103	8	16	6	23	26	3	16445	11.52045313	-0.423643125	0.914694541	-0.463152567	0.643255013	0.998252924	
chr1:21083658-21103243	exonic	HP1BP3	1	21083658	21103243	0	3	2	0	0	0	19585	11.52045313	-0.423643125	0.914694541	-0.463152567	0.643255013	0.998252924	
chr3:157839891-157841780	exonic	RSRC1	3	157839891	157841780	5	3	12	17	13	4	1889	8.148514883	-0.423080875	1.026934567	-0.411984258	NA	NA	
chr12:124071293-124074996	exonic	TMED2	12	124071293	124074996	1	0	9	3	6	5	3703	4.490599903	-0.422465401	1.491574565	-0.283234517	NA	NA	
chr1:155644801-155753880	exonic	DAP3, GON4L, YY1AP1	1	155644801	155753880	2	2	0	5	2	0	109079	1.380137253	-0.421304368	2.230517649	-0.188881881	0.850185395	0.998252924	
chr13:46577273-46594692	exonic	ZC3H13	13	46577273	46594692	3	2	0	2	4	1	17419	1.740463493	-0.420553321	1.921471384	-0.218870457	0.82675096	0.998252924	
chr5:40764615-40775605	exonic	PRKAA1	5	40764615	40775605	2	4	1	2	4	3	10990	2.773734391	-0.420301772	1.545044639	-0.272032122	0.78559732	0.998252924	
chr16:19474601-19475346	exonic	TMC5	16	19474601	19475346	7	0	2	3	7	2	745	3.080009976	-0.420161053	1.567787206	-0.267996225	0.788702224	0.998252924	
chr16:88066715-88071617	exonic	BANP	16	88066715	88071617	5	0	0	8	0	0	4902	1.495425795	-0.418566894	2.61655437	-0.159968735	NA	NA	
chr12:88898935-88939642	exonic	KITLG	12	88898935	88939642	4	3	0	8	4	0	40707	2.373375937	-0.417609136	1.813644603	-0.23025963	0.817890028	0.998252924	
chr16:66764015-66766408	exonic	DYNC1LI2	16	66764015	66766408	3	0	2	7	2	0	2393	1.767733419	-0.417004554	2.045402834	-0.203874047	0.838451927	0.998252924	
chr7:72277658-72277949	exonic	TYW1B	7	72277658	72277949	0	3	0	5	1	0	291	1.175411745	-0.416496815	2.622413643	-0.158821937	NA	NA	
chr2:191523883-191537878	exonic	NAB1	2	191523883	191537878	32	6	17	24	34	15	13995	10.68017207	-0.416374132	0.954315676	-0.4363065	NA	NA	
chr8:141889569-141900868	exonic	PTK2	8	141889569	141900868	6	9	2	10	7	6	11299	6.496559356	-0.414460939	1.094221167	-0.378772548	0.704856775	0.998252924	
chrX:138897036-138908982	exonic	ATP11C	X	138897036	138908982	3	0	2	1	1	3	11946	1.933493513	-0.413132655	1.941573848	-0.212782354	0.831496728	0.998252924	
chr1:36823840-36828257	exonic	STK40	1	36823840	36828257	2	3	0	7	2	0	4417	1.767035822	-0.412382666	2.045864783	-0.201568877	0.840253779	0.998252924	
chr3:113207791-113225452	exonic	SPICE1	3	113207791	113225452	5	2	1	7	0	3	17661	2.85959086	-0.411562188	1.654821003	-0.248704958	NA	NA	
chr2:32703702-32707650	exonic	BIRC6	2	32703702	32707650	2	0	1	2	3	0	3948	1.030947947	-0.410578965	2.510864062	-0.163520985	0.870108252	0.998252924	
chr3:56626997-56628056	exonic	CCDC66	3	56626997	56628056	13	21	8	26	23	12	1059	16.16112426	-0.408425897	0.78511266	-0.520213108	NA	NA	
chr11:77330650-77340944	exonic	CLNS1A	11	77330650	77340944	1	2	3	3	4	2	10294	2.488826678	-0.407800223	1.588643497	-0.256697128	0.797412589	0.998252924	
chr8:141828375-141874498	exonic	PTK2	8	141828375	141874498	2	2	4	9	2	2	46123	3.210896113	-0.407584128	1.446907183	-0.281693347	0.778178656	0.998252924	
chr4:140810510-140812121	exonic	MAML3	4	140810510	140812121	8	6	3	7	9	6	1611	6.352095558	-0.407501506	1.076411612	-0.378574053	0.705004193	0.998252924	
chr14:32559707-32563592	exonic	ARHGAP5	14	32559707	32563592	36	19	15	39	43	17	3885	25.50384501	-0.406934587	0.668005624	-0.609178385	0.542406206	0.998252924	
chr1:117944807-117948267	exonic	MAN1A2	1	117944807	117948267	4	8	11	7	14	10	3460	9.600863134	-0.406808567	0.99710998	-0.407987659	0.683282735	0.998252924	
chr17:11958205-12016677	exonic	MAP2K4	17	11958205	12016677	4	9	2	6	14	3	58472	5.735876056	-0.406065949	1.165442078	-0.348422248	NA	NA	
chr16:1859239-1859834	exonic	HAGH	16	1859239	1859834	0	8	0	12	4	0	595	3.154052702	-0.405745664	1.886079901	-0.215126445	0.829668737	0.998252924	
chr8:95676924-95677424	exonic	ESRP1	8	95676924	95677424	4	3	0	2	5	2	500	2.472972265	-0.405555504	1.682148208	-0.2410938	0.809482418	0.998252924	
chr7:104782454-104783777	exonic	SRPK2	7	104782454	104783777	0	0	3	2	2	1	1323	1.354703299	-0.405496255	2.318063801	-0.174928859	NA	NA	

chr10:12039670-12056183	exonic	UPF2	10	12039670	12056183	1	3	0	2	5	0	16513	1.469574219	-0.405310111	2.213742332	-0.183088205	0.85472881	0.998252924
chr16:31373156-31374074	exonic	ITGAX	16	31373156	31374074	0	3	2	6	4	0	918	2.039343446	-0.404110871	1.940992651	-0.208198043	0.835074337	0.998252924
chr5:43613009-43628489	exonic	NNT	5	43613009	43628489	0	0	2	0	4	0	15480	0.878647738	-0.40339348	3.195736171	-0.126228655	NA	NA
chr6:13579682-13597248	exonic	SIRT5	6	13579682	13597248	0	0	2	0	4	0	17566	0.878647738	-0.40339348	3.195736171	-0.126228655	NA	NA
chr15:66007815-66048810	exonic	DENND4A	15	66007815	66048810	1	2	0	1	2	1	40995	1.134123378	-0.401908926	2.316757771	-0.173479045	0.862274898	0.998252924
chr9:114148656-114154104	exonic	KIAA0368	9	114148656	114154104	10	4	8	23	17	0	5448	8.067752857	-0.401219464	1.122299664	-0.357497624	NA	NA
chr5:176963358-176966148	exonic	FAM193B	5	176963358	176966148	16	11	5	34	11	5	2790	11.45415178	-0.39855112	0.898810824	-0.443420472	NA	NA
chr6:149699153-149700654	exonic	TAB2	6	149699153	149700654	1	2	1	1	6	0	1501	1.507283482	-0.39841912	2.087187619	-0.190888024	NA	NA
chr12:19615443-19653155	exonic	AEBP2	12	19615443	19653155	2	1	0	4	1	0	37712	0.978522647	-0.398202883	2.580356201	-0.154320897	0.877356721	0.998252924
chr5:179136873-179143295	exonic	CANX	5	179136873	179143295	2	1	0	4	1	0	6422	0.978522647	-0.398202883	2.580356201	-0.154320897	0.877356721	0.998252924
chr12:42778741-42792796	exonic	PPHLN1	12	42778741	42792796	0	1	2	3	3	0	14055	1.250830271	-0.397269463	2.345953271	-0.169342445	0.865527292	0.998252924
chr15:100871094-100874385	exonic	ADAMTS17	15	100871094	100874385	10	0	0	9	6	0	3291	2.972836425	-0.396959826	1.882622057	-0.210854762	NA	NA
chr1:231672958-231678357	exonic	TSNAX	1	231672958	231678357	2	2	0	6	1	0	5399	1.365421216	-0.395966619	2.273908934	-0.174134774	NA	NA
chr10:69785302-69804320	exonic	HERC4	10	69785302	69804320	2	2	0	6	1	0	19018	1.365421216	-0.395966619	2.273908934	-0.174134774	NA	NA
chr17:80721840-80739597	exonic	TBCD	17	80721840	80739597	8	2	0	5	6	2	17757	3.254605815	-0.394167045	1.520991036	-0.259151458	0.795518383	0.998252924
chr1:155695172-155695810	exonic	DAP3	1	155695172	155695810	2	0	0	3	0	0	638	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr1:65268658-65280523	exonic	RAVER2	1	65268658	65280523	2	0	0	3	0	0	11865	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr10:21104553-21158770	exonic	NEBL	10	21104553	21158770	2	0	0	3	0	0	54217	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr11:19371920-19372574	exonic	NAV2	11	19371920	19372574	2	0	0	3	0	0	654	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr14:31611063-31638674	exonic	HECTD1	14	31611063	31638674	2	0	0	3	0	0	27611	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr15:76161291-76175765	exonic	UBE2Q2	15	76161291	76175765	2	0	0	3	0	0	14474	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr17:37420427-37421706	exonic	FBXL20	17	37420427	37421706	2	0	0	3	0	0	1279	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr18:32902352-32907027	intergenic	ZNF271P (dist=11622), ZNF24 (dist=5145)	18	32902352	32907027	2	0	0	3	0	0	4675	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr2:154757448-154801152	exonic	GALNT13	2	154757448	154801152	2	0	0	3	0	0	43704	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr2:168902799-168904832	intronic	STK39	2	168902799	168904832	2	0	0	3	0	0	2033	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr2:27573181-27573499	UTR5	GTF3C2 (NM_001521:c.6835_6760del1ins0)	2	27573181	27573499	2	0	0	3	0	0	318	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr2:38812785-38818790	exonic	HNRNPLL	2	38812785	38818790	2	0	0	3	0	0	6005	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr21:37734480-37742174	exonic	MORC3	21	37734480	37742174	2	0	0	3	0	0	7694	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr4:119252870-119259469	exonic	PRSS12	4	119252870	119259469	2	0	0	3	0	0	6599	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr4:149073619-149076052	exonic	NR3C2	4	149073619	149076052	2	0	0	3	0	0	2433	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr5:128440648-128442755	exonic	ISOC1	5	128440648	128442755	2	0	0	3	0	0	2107	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr5:98204198-98208259	exonic	CHD1	5	98204198	98208259	2	0	0	3	0	0	4061	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr6:108066152-108071017	exonic	SCML4	6	108066152	108071017	2	0	0	3	0	0	4865	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr6:144803344-144809970	exonic	UTRN	6	144803344	144809970	2	0	0	3	0	0	6626	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr6:152570295-152577900	exonic	SYNE1	6	152570295	152577900	2	0	0	3	0	0	7605	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA

chr6:158994451-159026379	exonic	TMEM181	6	158994451	159026379	2	0	0	3	0	0	31928	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr6:158994451-159029782	exonic	TMEM181	6	158994451	159029782	2	0	0	3	0	0	35331	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chrX:118971719-118972490	exonic	UPF3B	X	118971719	118972490	2	0	0	3	0	0	771	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chrX:6069035-6069812	exonic	NLGN4X	X	6069035	6069812	2	0	0	3	0	0	777	0.576908041	-0.393695295	3.729573207	-0.105560415	NA	NA
chr2:89100615-89104394	ncRNA_exonic	ANKRD36BP2	2	89100615	89104394	4	9	7	0	34	1	3779	7.888464091	-0.393015075	1.339232952	-0.293462818	NA	NA
chr9:99220660-99228060	exonic	HABP4	9	99220660	99228060	0	1	2	7	2	0	7400	3.118438599	-0.392705212	1.578111762	-0.248844994	NA	NA
chr4:73950965-73958017	exonic	ANKRD17	4	73950965	73958017	11	7	8	11	10	11	7052	9.98704332	-0.392646525	0.929592084	-0.422385831	NA	NA
chr3:105389076-105400662	exonic	CBLB	3	105389076	105400662	0	0	3	0	6	0	11586	1.317971607	-0.392527356	2.759164844	-0.142263104	NA	NA
chr5:32135677-32143986	exonic	GOLPH3	5	32135677	32143986	2	5	3	7	7	2	8309	3.928968824	-0.392522332	1.302147811	-0.301442224	0.7630773	0.998252924
chr1:26584087-26586293	exonic	CEP85	1	26584087	26586293	0	0	2	2	0	1	2206	0.91537943	-0.392244346	2.917090864	-0.134464219	0.893035503	0.998252924
chr15:58913669-58936177	exonic	ADAM10	15	58913669	58936177	0	0	2	2	0	1	22508	0.91537943	-0.392244346	2.917090864	-0.134464219	0.893035503	0.998252924
chr7:90355880-90356126	exonic	CDK14	7	90355880	90356126	2	0	2	3	4	0	246	1.455555779	-0.391104533	2.184767646	-0.179014246	0.857926516	0.998252924
chr1:27042605-27044560	intronic	ARID1A	1	27042605	27044560	5	5	0	8	0	4	1955	3.599679226	-0.391095157	1.643998999	-0.237892576	0.811964414	0.998252924
chr2:44436348-44445676	exonic	PPM1B	2	44436348	44445676	5	0	3	4	5	2	9328	2.883561658	-0.389720862	1.575779808	-0.247319365	0.804661073	0.998252924
chr2:24042616-24046439	exonic	ATAD2B	2	24042616	24046439	4	0	0	4	2	0	3823	1.183248155	-0.389437256	2.567730077	-0.151665963	0.879450404	0.998252924
chr4:77065301-77065626	exonic	NUP54	4	77065301	77065626	4	0	0	4	2	0	325	1.183248155	-0.389437256	2.567730077	-0.151665963	0.879450404	0.998252924
chr1:167734819-167745403	exonic	MPZL1	1	167734819	167745403	0	2	0	4	0	0	10584	0.773797139	-0.388408202	3.343111612	-0.116181644	NA	NA
chr18:77208781-77211816	exonic	NFATC1	18	77208781	77211816	0	2	0	4	0	0	3035	0.773797139	-0.388408202	3.343111612	-0.116181644	NA	NA
chr14:93760203-93762503	exonic	BTBD7	14	93760203	93762503	5	3	0	8	3	1	2300	2.689554067	-0.388319872	1.633310987	-0.237750113	0.812074913	0.998252924
chr3:67546221-67548719	exonic	SUCLG2	3	67546221	67548719	3	1	1	2	4	1	2498	1.763456719	-0.387763319	1.818549471	-0.213226709	0.831150136	0.998252924
chr10:70696691-70703013	exonic	DDX50	10	70696691	70703013	0	1	1	3	1	0	6322	0.811506402	-0.387640473	2.804467872	-0.138222469	0.890064598	0.998252924
chr6:116966876-116982009	exonic	ZUFSP	6	116966876	116982009	0	1	1	3	1	0	15133	0.811506402	-0.387640473	2.804467872	-0.138222469	0.890064598	0.998252924
chr10:86177526-86185649	exonic	CCSER2	10	86177526	86185649	19	7	0	31	7	2	8123	8.429964616	-0.38561449	1.20300031	-0.320543966	0.748556007	0.998252924
chr7:24659670-24708279	exonic	MPP6	7	24659670	24708279	6	7	4	4	10	7	48609	6.575978372	-0.385583727	1.098409138	-0.351038346	0.72555958	0.998252924
chr7:24663284-24703340	exonic	MPP6	7	24663284	24703340	10	7	6	2	0	5	40056	6.575978372	-0.385583727	1.098409138	-0.351038346	0.72555958	0.998252924
chr14:31416295-31425448	exonic	STRN3	14	31416295	31425448	1	1	1	0	3	1	9153	1.171832642	-0.385464706	2.315096178	-0.166500515	0.867763078	0.998252924
chr3:169831147-169840532	exonic	PHC3	3	169831147	169840532	5	6	2	2	9	5	9385	4.92809017	-0.384407344	1.252453418	-0.306923466	0.758901627	0.998252924
chr1:175956078-175958615	exonic	RFWD2	1	175956078	175958615	4	0	1	6	0	1	2537	1.659303716	-0.383847091	2.161955426	-0.177546256	0.859079336	0.998252924
chr10:7262372-7318951	exonic	SFMBT2	10	7262372	7318951	1	3	0	3	4	0	56579	1.454858183	-0.383746826	2.206542162	-0.173913208	0.861933672	0.998252924
chr15:49319561-49320879	exonic	SECISBP2L	15	49319561	49320879	0	0	2	1	3	0	1318	0.863931702	-0.38315105	2.949381856	-0.129908933	0.896638477	0.998252924
chr17:953289-1028702	exonic	ABR	17	953289	1028702	0	0	2	1	3	0	75413	0.863931702	-0.38315105	2.949381856	-0.129908933	0.896638477	0.998252924
chr4:128998942-129019485	exonic	LARP1B	4	128998942	129019485	0	0	2	1	3	0	20543	0.863931702	-0.38315105	2.949381856	-0.129908933	0.896638477	0.998252924
chr1:12335881-12338095	exonic	VPS13D	1	12335881	12338095	8	4	0	7	12	0	2214	3.925507496	-0.382070244	1.545477027	-0.247218327	0.804739263	0.998252924
chr5:70798425-70806978	exonic	BDP1	5	70798425	70806978	3	2	0	5	9	2	8553	1.260292037	-0.381074372	2.618374858	-0.145538509	NA	NA
chr6:101246588-101253756	exonic	ASCC3	6	101246588	101253756	1	2	0	1	4	0	7168	1.067959613	-0.380824499	2.51210895	-0.151595535	NA	NA

chr3:149563797-149639014	exonic	RNF13	3	149563797	149639014	23	40	18	17	32	29	75217	19.32049175	-0.377320695	0.871748382	-0.432832113	0.665136742	0.998252924
chr2:160025760-160027316	exonic	TANC1	2	160025760	160027316	5	3	1	16	0	0	1556	3.066013299	-0.37629714	1.777656678	-0.211681561	NA	NA
chr3:183361267-183369064	exonic	KLHL24	3	183361267	183369064	13	5	6	24	15	1	7797	8.406926584	-0.375142027	1.029182182	-0.364504976	0.715480959	0.998252924
chr20:57014000-57016139	exonic	VAPB	20	57014000	57016139	7	24	11	25	32	9	2139	16.56011666	-0.375030581	0.823625183	-0.455341324	0.648863701	0.998252924
chr12:10368878-10369233	intronic	GABARAPL1	12	10368878	10369233	0	5	2	0	4	4	355	2.982901169	-0.373856135	1.79802993	-0.207925424	0.835287198	0.998252924
chr15:93540186-93545547	exonic	CHD2	15	93540186	93545547	9	7	5	7	11	8	5361	7.908388412	-0.373031037	1.000415771	-0.372876006	0.70924073	0.998252924
chr6:157150361-157157084	exonic	ARID1B	6	157150361	157157084	0	3	0	6	0	0	6723	1.160695708	-0.372969294	2.870849037	-0.129916025	NA	NA
chr12:111947352-111948386	exonic	ATXN2	12	111947352	111948386	3	2	8	9	13	1	1034	5.152042189	-0.37242675	1.247087057	-0.298637331	0.765216778	0.998252924
chr9:37424841-37426651	exonic	GRHPR	9	37424841	37426651	48	13	7	84	20	4	1810	22.42142104	-0.370330617	0.886264669	-0.417855557	NA	NA
chr10:32573625-32573978	exonic	EPC1	10	32573625	32573978	2	0	0	1	0	1	353	0.67250388	-0.370234666	3.277204445	-0.11297271	0.910052191	0.998252924
chr12:100598717-100601564	exonic	ACTR6	12	100598717	100601564	2	0	0	1	0	1	2847	0.67250388	-0.370234666	3.277204445	-0.11297271	0.910052191	0.998252924
chr3:169889160-169896726	exonic	PHC3	3	169889160	169896726	2	0	0	1	0	1	7566	0.67250388	-0.370234666	3.277204445	-0.11297271	0.910052191	0.998252924
chr5:145144493-145205763	exonic	PRELID2	5	145144493	145205763	2	0	0	1	0	1	61270	0.67250388	-0.370234666	3.277204445	-0.11297271	0.910052191	0.998252924
chr19:19603114-19603521	exonic	GATAD2A	19	19603114	19603521	4	0	2	6	4	0	407	2.03246382	-0.369938954	1.922765284	-0.192399435	0.847429335	0.998252924
chr3:8977554-8983488	exonic	RAD18	3	8977554	8983488	2	3	1	4	0	3	5934	2.327971675	-0.369214225	1.782590063	-0.20712234	0.835914316	0.998252924
chr11:128628009-128642880	exonic	FLI1	11	128628009	128642880	2	1	1	6	1	0	14871	1.388414443	-0.366446206	2.130233216	-0.172021637	NA	NA
chr19:24237913-24238175	intronic	ZNF254	19	24237913	24238175	0	3	5	5	4	3	262	3.449494964	-0.365745582	1.512806294	-0.241766301	0.808961252	0.998252924
chr9:33960823-33989124	exonic	UBAP2	9	33960823	33989124	3	13	0	9	8	5	28301	6.118661101	-0.365110998	1.279115948	-0.285440111	NA	NA
chr2:24733838-24807429	UTR5	-----	2	24733838	24807429	0	4	0	3	0	2	73591	1.632474569	-0.364555454	2.354773547	-0.154815504	0.876966768	0.998252924
chr2:62100136-62107529	exonic	CCT4	2	62100136	62107529	1	1	0	0	3	0	7393	0.666345007	-0.364530484	3.263107009	-0.111712697	NA	NA
chr1:246078831-246093239	exonic	SMYD3	1	246078831	246093239	0	2	4	7	5	0	14408	2.486944505	-0.362513563	1.819796109	-0.199205593	0.842101924	0.998252924
chr18:39607406-39629569	exonic	PIK3C3	18	39607406	39629569	3	2	2	6	6	0	22163	2.494083319	-0.361994782	1.640855915	-0.220613388	0.825393476	0.998252924
chr10:75296026-75299351	exonic	USP54	10	75296026	75299351	0	1	3	6	0	1	3325	1.712169795	-0.357438127	2.162428841	-0.165294746	0.868711994	0.998252924
chr12:120995084-120995485	exonic	RNF10	12	120995084	120995485	6	0	2	9	4	0	401	2.609371861	-0.357426332	1.776004802	-0.201253021	0.840500735	0.998252924
chr5:142434003-142437312	exonic	ARHGAP26	5	142434003	142437312	7	4	3	11	6	3	3309	5.012064466	-0.357388587	1.160012255	-0.308090354	0.758013581	0.998252924
chr7:65592690-65599361	exonic	CRCP	7	65592690	65599361	2	4	0	3	7	0	6671	2.12120319	-0.356167323	1.915683353	-0.185921813	0.852506076	0.998252924
chr3:119219541-119236162	exonic	TIMMDC1	3	119219541	119236162	4	3	2	14	2	0	16621	3.163727455	-0.355724746	1.561737568	-0.227774982	NA	NA
chr8:67383665-67386173	intergenic	ADHFE1 (dist=2621), C8orf46 (dist=19318)	8	67383665	67386173	9	0	0	7	6	0	2508	2.631226712	-0.355028475	1.949673202	-0.182096402	NA	NA
chr2:61749745-61761038	exonic	XPO1	2	61749745	61761038	29	14	32	25	50	24	11293	28.59949367	-0.352686504	0.718170197	-0.491090421	0.623362496	0.998252924
chr2:110342702-110350696	exonic		2	110342702	110350696	7	2	2	7	2	4	7994	3.865107223	-0.346251384	1.351937754	-0.256114886	0.797862128	0.998252924
chr8:131370262-131414216	exonic	ASAP1	8	131370262	131414216	2	0	1	4	1	0	43954	1.001515873	-0.345781688	2.561329223	-0.135000876	0.892611182	0.998252924
chr3:123649948-123667979	exonic	CCDC14	3	123649948	123667979	0	0	2	2	2	0	18031	0.849215665	-0.344778029	2.94680001	-0.117000824	0.906859401	0.998252924
chr5:43122140-43162033	exonic	ZNF131	5	43122140	43162033	0	0	2	2	2	0	39893	0.849215665	-0.344778029	2.94680001	-0.117000824	0.906859401	0.998252924
chr16:88664585-88677944	exonic	ZC3H18	16	88664585	88677944	0	0	3	4	0	1	13359	1.325271226	-0.344243865	2.540669978	-0.135493341	NA	NA
chr14:80963812-80997230	exonic	CEP128	14	80963812	80997230	0	0	4	3	5	0	33418	1.713147367	-0.343695302	2.272154496	-0.151264055	0.879767423	0.998252924

chr8:103372298-103373854	exonic	UBR5	8	103372298	103373854	8	12	17	15	29	10	1556	14.66343066	-0.343562152	0.838994368	-0.409492799	0.68217805	0.998252924
chr4:169812072-169837178	exonic	PALLD	4	169812072	169837178	3	1	0	3	0	0	25106	1.540714651	-0.343095543	2.38506579	-0.143851606	NA	NA
chr4:153332455-153391140	exonic	FBXW7	4	153332455	153391140	0	4	3	3	10	0	58685	2.818118646	-0.341736974	1.765665262	-0.193545731	0.846531595	0.998252924
chr15:59323002-59359282	exonic	RNF111	15	59323002	59359282	2	2	0	0	4	1	36280	1.39885378	-0.341260825	2.28059607	-0.14963668	0.881051267	0.998252924
chr21:37711071-37717005	exonic	MORC3	21	37711071	37717005	9	16	11	33	14	8	5934	13.78766304	-0.340341656	0.832366478	-0.408884386	0.682624508	0.998252924
chr6:131466424-131490413	exonic	AKAP7	6	131466424	131490413	2	2	1	9	0	0	23989	1.760596976	-0.339418833	2.108452342	-0.160980083	NA	NA
chr2:165548730-165552346	exonic	COBLL1	2	165548730	165552346	0	2	3	8	2	0	3616	2.032904599	-0.339408619	1.972693535	-0.172053394	0.863395552	0.998252924
chr11:46333875-46334470	exonic	CREB3L1	11	46333875	46334470	4	1	1	0	9	0	595	1.976739392	-0.339383574	2.055634539	-0.165099179	NA	NA
chr12:70671911-70704797	exonic	CNOT2	12	70671911	70704797	4	2	0	3	4	1	32886	1.975761821	-0.33799217	1.821817093	-0.185524755	0.852817465	0.998252924
chr2:214174782-214239843	exonic	SPAG16	2	214174782	214239843	3	4	1	5	2	3	65061	2.979600646	-0.337846033	1.486627821	-0.227256633	0.820224193	0.998252924
chr6:30002684-30003760	ncRNA_exonic	ZNRD1-AS1	6	30002684	30003760	1	3	0	5	2	0	1076	1.425426109	-0.337140015	2.231535652	-0.151079825	0.879912747	0.998252924
chr8:135612678-135622898	exonic	ZFAT	8	135612678	135622898	0	3	0	0	3	1	10220	1.194128271	-0.336970403	2.636584274	-0.127805664	NA	NA
chr5:80063751-80088663	exonic	MSH3	5	80063751	80088663	5	0	0	0	0	3	24912	1.56959054	-0.336021509	2.629158809	-0.12780571	NA	NA
chr5:80388619-80422982	exonic	RASGRF2	5	80388619	80422982	5	0	0	0	0	3	34363	1.56959054	-0.336021509	2.629158809	-0.12780571	NA	NA
chr16:48381417-48382201	exonic	LONP2	16	48381417	48382201	6	3	0	9	3	1	784	2.924852394	-0.335640484	1.593309228	-0.21065621	0.833155547	0.998252924
chr1:35936463-35944813	exonic	KIAA0319L	1	35936463	35944813	6	3	2	3	10	2	8350	3.836932696	-0.335476108	1.331774751	-0.251901538	0.801117171	0.998252924
chr2:176844537-176860374	exonic	KIAA1715	2	176844537	176860374	3	0	3	3	7	0	15837	2.144894013	-0.334081424	1.901772779	-0.175668422	0.860554445	0.998252924
chr6:13579682-13584457	exonic	SIRT5	6	13579682	13584457	3	9	13	9	21	7	4775	10.17584894	-0.334020554	0.986686355	-0.33852759	0.734965639	0.998252924
chr11:120310837-120316173	exonic	ARHGEF12	11	120310837	120316173	0	0	3	3	3	0	5336	1.273823497	-0.333257509	2.518792624	-0.132308434	NA	NA
chr3:67797195-67801084	ncRNA_exonic	SUCLG2-AS1	3	67797195	67801084	0	0	3	3	3	0	3889	1.273823497	-0.333257509	2.518792624	-0.132308434	NA	NA
chr13:49741379-49749677	exonic	FNDC3A	13	49741379	49749677	4	2	7	3	15	2	8298	4.996165248	-0.332298514	1.265170437	-0.262651184	NA	NA
chr6:131247744-131277639	exonic	EPB41L2	6	131247744	131277639	73	15	13	160	8	1	29895	32.88094075	-0.331788018	1.509992764	-0.219728218	NA	NA
chr17:25630392-25636298	exonic	WSB1	17	25630392	25636298	5	5	0	3	4	4	5906	3.552231987	-0.331639862	1.487290462	-0.222982578	0.823549066	0.998252924
chr17:25630392-25637200	exonic	WSB1	17	25630392	25637200	1	3	0	2	4	0	6808	3.552231987	-0.331639862	1.487290462	-0.222982578	0.823549066	0.998252924
chr6:145103057-145124283	exonic	UTRN	6	145103057	145124283	9	3	4	11	2	6	21226	5.733577717	-0.330683052	1.183051156	-0.27951712	0.779848001	0.998252924
chr17:66205795-66206606	intergenic	<small>LOC140461 (dist=9352), AN22 (dist=37539)</small>	17	66205795	66206606	3	0	0	0	4	0	811	0.871070516	-0.330245119	3.182097486	-0.103782213	NA	NA
chr2:203155045-203160560	exonic	NOP58	2	203155045	203160560	3	0	0	0	4	0	5515	0.871070516	-0.330245119	3.182097486	-0.103782213	NA	NA
chr10:52103251-52104105	exonic	SGMS1	10	52103251	52104105	0	1	1	4	0	0	854	0.796790365	-0.329745307	3.058892996	-0.107798902	NA	NA
chr15:30058468-30064369	exonic	TJP1	15	30058468	30064369	0	1	1	4	0	0	5901	0.796790365	-0.329745307	3.058892996	-0.107798902	NA	NA
chr9:128691933-128697886	exonic	PBX3	9	128691933	128697886	0	1	1	4	0	0	5953	0.796790365	-0.329745307	3.058892996	-0.107798902	NA	NA
chr20:30954186-30956926	exonic	ASXL1	20	30954186	30956926	3	3	1	2	5	2	2740	2.541254348	-0.329426398	1.568873448	-0.2099764	0.833686093	0.998252924
chr13:61013821-61109367	exonic	TDRD3	13	61013821	61109367	3	2	2	3	0	4	95546	2.681859068	-0.329220613	1.694901934	-0.194241688	0.845986642	0.998252924
chr2:75745181-75749613	exonic	EVA1A	2	75745181	75749613	0	4	0	3	2	1	4432	1.566310804	-0.328693289	2.18823157	-0.150209554	NA	NA
chr11:85692171-85742653	exonic	PICALM	11	85692171	85742653	1	4	0	1	4	3	50482	0.651628971	-0.326492535	3.031373325	-0.107704495	0.914230103	0.998252924
chr12:118619175-118619412	exonic	TAOK3	12	118619175	118619412	1	1	0	1	2	0	237	0.651628971	-0.326492535	3.031373325	-0.107704495	0.914230103	0.998252924

chr3:33648082-33686395	exonic	CLASP2	3	33648082	33686395	1	1	0	1	2	0	38313	0.651628971	-0.326492535	3.031373325	-0.107704495	0.914230103	0.998252924
chr8:141856358-141900868	exonic	PTK2	8	141856358	141900868	6	9	6	11	14	5	44510	7.930920187	-0.32478575	0.976823914	-0.332491604	0.739518078	0.998252924
chr5:92889466-92899169	ncRNA_exonic	NR2F1-AS1	5	92889466	92899169	4	0	0	0	1	2	9703	1.253412411	-0.324693954	2.606893038	-0.124552082	NA	NA
chr11:47774467-47776216	exonic	FNBP4	11	47774467	47776216	1	1	2	3	4	0	1749	1.500844636	-0.323876877	2.040279045	-0.158741461	0.873872571	0.998252924
chr3:133666099-133667815	exonic	SLCO2A1	3	133666099	133667815	6	3	3	20	1	0	1716	4.135811255	-0.322386925	1.491450272	-0.216156671	NA	NA
chr1:233334684-233344435	exonic	PCNXL2	1	233334684	233344435	1	2	0	3	2	0	9751	1.03852754	-0.320221399	2.504435196	-0.127861723	0.898258403	0.998252924
chr11:108199747-108202764	exonic	ATM	11	108199747	108202764	1	2	0	3	2	0	3017	1.03852754	-0.320221399	2.504435196	-0.127861723	0.898258403	0.998252924
chr12:49333437-49334971	exonic	ARF3	12	49333437	49334971	4	2	0	3	6	0	1534	1.909598056	-0.31975077	1.971039629	-0.162224425	0.871129126	0.998252924
chr20:62559687-62562375	exonic	DNAJC5	20	62559687	62562375	1	4	1	2	6	1	2688	2.270365074	-0.319052374	1.689720693	-0.188819593	0.850234215	0.998252924
chr12:116534473-116675510	exonic	MED13L	12	116534473	116675510	3	0	0	1	1	1	141037	0.922518244	-0.318946571	2.689412051	-0.118593419	NA	NA
chr6:25605039-25606501	exonic	LRRC16A	6	25605039	25606501	3	0	0	1	1	1	1462	0.922518244	-0.318946571	2.689412051	-0.118593419	NA	NA
chr1:46105881-46108171	exonic	GPBP1L1	1	46105881	46108171	12	11	10	10	9	16	2290	12.52142575	-0.31155015	0.917841828	-0.339437733	NA	NA
chrX:131415123-131417060	ncRNA_intronic	RAP2C-AS1	X	131415123	131417060	5	10	4	5	7	9	1937	7.329485164	-0.310371777	1.09290941	-0.283986736	NA	NA
chr2:9048750-9098771	exonic	MBOAT2	2	9048750	9098771	8	2	9	9	14	4	50021	7.039929177	-0.310214984	1.067347001	-0.290641173	0.771325767	0.998252924
chr19:34921480-34925873	exonic	UBA2	19	34921480	34925873	3	6	7	5	14	4	4393	6.272314068	-0.309607488	1.120479678	-0.276316915	0.782304665	0.998252924
chr17:7402357-7402810	exonic	POLR2A	17	7402357	7402810	6	1	0	4	6	0	453	2.099607527	-0.309348972	1.933636672	-0.159982988	0.872894476	0.998252924
chr6:99860426-99864304	exonic	PNISR	6	99860426	99864304	5	0	0	4	3	0	3878	1.43326252	-0.308434247	2.387149137	-0.129206107	NA	NA
chr6:152650864-152653025	exonic	SYNE1	6	152650864	152653025	2	5	0	10	0	1	2161	2.500685341	-0.307971072	1.892153953	-0.162762164	0.8707057	0.998252924
chr5:122881110-122909235	exonic	CSNK1G3	5	122881110	122909235	4	3	2	3	5	3	28125	3.28204031	-0.305678444	1.394473799	-0.219207018	0.826488789	0.998252924
chr5:122881110-122911657	exonic	CSNK1G3	5	122881110	122911657	4	3	2	3	5	3	30547	3.28204031	-0.305678444	1.394473799	-0.219207018	0.826488789	0.998252924
chr14:64465631-64489581	exonic	SYNE2	14	64465631	64489581	17	4	0	5	9	7	23950	6.668215207	-0.303823951	1.25348964	-0.242382498	0.808483794	0.998252924
chr17:54921379-54925426	exonic	DGKE	17	54921379	54925426	0	0	2	3	1	0	4047	0.834499628	-0.301884943	2.984884737	-0.10113789	0.919441001	0.998252924
chr2:219520872-219521186	exonic	ZNF142	2	219520872	219521186	0	0	2	3	1	0	314	0.834499628	-0.301884943	2.984884737	-0.10113789	0.919441001	0.998252924
chrX:135323318-135326954	exonic	MAP7D3	X	135323318	135326954	0	0	2	3	1	0	3636	0.834499628	-0.301884943	2.984884737	-0.10113789	0.919441001	0.998252924
chr11:116734383-116744352	exonic	SIK3	11	116734383	116744352	2	0	1	5	0	0	9969	0.986799837	-0.301344926	2.794191869	-0.107846898	NA	NA
chr12:102173929-102190540	exonic	GNPTAB	12	102173929	102190540	2	0	1	5	0	0	16611	0.986799837	-0.301344926	2.794191869	-0.107846898	NA	NA
chr12:88909310-88939642	exonic	KITLG	12	88909310	88939642	2	0	1	5	0	0	30332	0.986799837	-0.301344926	2.794191869	-0.107846898	NA	NA
chr2:71653589-71658558	exonic	ZNF638	2	71653589	71658558	2	0	1	5	0	0	4969	0.986799837	-0.301344926	2.794191869	-0.107846898	NA	NA
chr4:42505466-42546003	exonic	ATP8A1	4	42505466	42546003	0	3	3	4	7	0	40537	2.387071967	-0.299195167	1.841043366	-0.162513916	0.87090117	0.998252924
chr16:56419830-56423287	exonic	AMFR	16	56419830	56423287	3	0	2	4	4	0	3457	1.690854107	-0.298603626	2.055487208	-0.145271459	0.884496548	0.998252924
chr11:43348056-43357544	exonic	API5	11	43348056	43357544	3	0	0	2	0	1	9488	0.907802207	-0.298373964	2.899701599	-0.102898162	NA	NA
chr7:64004084-64004810	exonic	ZNF680	7	64004084	64004810	13	11	11	24	17	8	726	12.83851161	-0.297353756	0.809635375	-0.36726873	0.713418577	0.998252924
chr1:185183638-185200840	exonic	SWT1	1	185183638	185200840	6	1	5	6	8	3	17202	7.927761077	-0.296757163	0.990062183	-0.299735884	0.764378625	0.998252924
chr10:70404454-70406762	exonic	TET1	10	70404454	70406762	9	3	3	10	9	2	2308	5.044314824	-0.295621392	1.172592822	-0.252109161	0.800956689	0.998252924
chr2:202625603-202626541	exonic	ALS2	2	202625603	202626541	9	2	0	7	0	4	938	3.486488214	-0.29458656	1.686516765	-0.174671587	0.861337695	0.998252924

chr3:37162982-37190529	exonic	LRRFIP2	3	37162982	37190529	10	0	1	17	0	0	27547	3.294432001	-0.293902905	3.042771037	-0.096590542	NA	NA
chr22:32874967-32875262	exonic	FBX07	22	32874967	32875262	12	10	17	36	28	2	295	14.47658963	-0.292815452	0.880000196	-0.332744757	NA	NA
chr1:32381495-32385259	exonic	PTP4A2	1	32381495	32385259	12	16	9	21	34	3	3764	13.38380458	-0.29276092	0.868166197	-0.337217599	0.735952871	0.998252924
chr11:59426338-59426942	exonic	PATL1	11	59426338	59426942	11	3	2	18	7	0	604	5.097018704	-0.292607799	1.323487752	-0.221088407	0.825023597	0.998252924
chr11:8474368-8486369	exonic	STK33	11	8474368	8486369	2	1	0	0	0	2	12001	1.048686902	-0.292586117	2.792943124	-0.104759067	0.916566991	0.998252924
chr16:65005481-65026937	exonic	CDH11	16	65005481	65026937	3	0	0	1	3	0	21456	0.856354479	-0.292524694	2.93281849	-0.099741834	NA	NA
chr5:112321531-112337371	exonic	DCP2	5	112321531	112337371	1	3	2	3	2	0	15840	0.856354479	-0.292524694	2.93281849	-0.099741834	NA	NA
chr7:32584305-32594208	exonic	AVL9	7	32584305	32594208	3	0	0	1	3	0	9903	0.856354479	-0.292524694	2.93281849	-0.099741834	NA	NA
chr16:88653007-88677944	exonic	ZC3H18	16	88653007	88677944	3	3	0	3	2	2	24937	2.087214442	-0.291453796	1.790897576	-0.162741745	0.870721778	0.998252924
chr13:51501542-51509135	exonic	RNASEH2B	13	51501542	51509135	0	1	2	6	0	0	7593	1.206682161	-0.290515887	2.615248164	-0.111085399	NA	NA
chr16:69404385-69406258	exonic	TERF2	16	69404385	69406258	8	0	8	11	11	2	1873	5.72721184	-0.289538905	1.265564035	-0.228782501	0.819037968	0.998252924
chr1:225140371-225195246	exonic	DNAH14	1	225140371	225195246	6	4	8	0	7	10	54875	6.978555098	-0.28872242	1.293010258	-0.223294764	0.823306102	0.998252924
chr9:86278789-86301070	exonic	UBQLN1	9	86278789	86301070	0	4	2	0	6	2	22281	2.434242996	-0.287728406	1.897720362	-0.151617916	0.879488302	0.998252924
chr22:28290542-28310335	exonic	PITPNB	22	28290542	28310335	1	3	4	4	10	0	19793	3.076410201	-0.287286349	1.586151816	-0.181121596	0.856272134	0.998252924
chr2:15629017-15651474	exonic	NBAS	2	15629017	15651474	6	1	5	7	8	2	22457	4.263378871	-0.287045525	1.282962826	-0.223736432	0.822962396	0.998252924
chr5:92880500-92899169	ncRNA_exonic	NR2F1-AS1	5	92880500	92899169	1	2	0	4	1	0	18669	1.023811503	-0.286488088	2.543659535	-0.112628315	0.910325236	0.998252924
chr16:53907697-53922863	exonic	FTO	16	53907697	53922863	20	6	7	42	12	0	15166	10.92368407	-0.286108461	1.084047461	-0.263926139	0.791836833	0.998252924
chr1:14057494-14068652	exonic	PRDM2	1	14057494	14068652	4	1	5	4	6	3	11158	3.752634596	-0.285976989	1.355521902	-0.210971869	0.832909223	0.998252924
chr21:30693541-30702014	exonic	BACH1	21	30693541	30702014	4	13	5	11	11	7	8473	8.426135425	-0.285974704	1.006444051	-0.284143668	0.776300283	0.998252924
chr12:110893390-110895439	exonic	GPN3	12	110893390	110895439	3	0	1	3	3	0	2049	1.266246275	-0.28584767	2.311061603	-0.123686738	0.901563313	0.998252924
chr16:67070541-67116242	exonic	CBFB	16	67070541	67116242	1	0	1	3	3	2	45701	1.266246275	-0.28584767	2.311061603	-0.123686738	0.901563313	0.998252924
chr2:207013743-207017234	exonic	NDUFS1	2	207013743	207017234	3	0	1	3	3	0	3491	1.266246275	-0.28584767	2.311061603	-0.123686738	0.901563313	0.998252924
chr12:26748397-26755639	exonic	ITPR2	12	26748397	26755639	1	0	1	0	3	0	7242	0.689338234	-0.285657423	3.223453137	-0.088618451	NA	NA
chr19:2137725-2138713	exonic	AP3D1	19	2137725	2138713	1	0	1	0	3	0	988	0.689338234	-0.285657423	3.223453137	-0.088618451	NA	NA
chr6:2836089-2836484	exonic	SERPINB1	6	2836089	2836484	1	0	1	0	3	0	395	0.689338234	-0.285657423	3.223453137	-0.088618451	NA	NA
chr7:105099614-105105861	exonic	PUS7	7	105099614	105105861	1	0	1	0	3	0	6247	0.689338234	-0.285657423	3.223453137	-0.088618451	NA	NA
chr7:77378740-77394949	exonic	RSBN1L	7	77378740	77394949	1	0	1	0	3	0	16209	0.689338234	-0.285657423	3.223453137	-0.088618451	NA	NA
chr8:17532694-17573410	exonic	MTUS1	8	17532694	17573410	2	3	1	0	11	2	40716	0.689338234	-0.285657423	3.223453137	-0.088618451	NA	NA
chr3:71090478-71102924	exonic	FOXP1	3	71090478	71102924	13	9	8	50	3	0	12446	10.50211617	-0.285495178	1.176132439	-0.242740671	NA	NA
chr2:188348850-188368497	exonic	TFPI	2	188348850	188368497	4	3	1	11	0	1	19647	2.713688039	-0.28471279	1.705961304	-0.166892877	0.867454338	0.998252924
chr1:117944807-117957453	exonic	MAN1A2	1	117944807	117957453	36	24	20	30	41	25	12646	28.6284607	-0.284562942	0.670946993	-0.424121346	0.671477319	0.998252924
chr1:104070316-104093695	exonic	RNPC3	1	104070316	104093695	1	1	0	2	1	0	23379	0.636912934	-0.284533817	3.053090558	-0.093195342	0.925748375	0.998252924
chr1:168073714-168074132	exonic	GPR161	1	168073714	168074132	1	1	0	2	1	0	418	0.636912934	-0.284533817	3.053090558	-0.093195342	0.925748375	0.998252924
chr12:116434280-116435035	exonic	MED13L	12	116434280	116435035	1	1	0	2	1	0	755	0.636912934	-0.284533817	3.053090558	-0.093195342	0.925748375	0.998252924
chr16:18846213-18856973	exonic	SMG1	16	18846213	18856973	1	1	0	2	1	0	10760	0.636912934	-0.284533817	3.053090558	-0.093195342	0.925748375	0.998252924

chr2:64189191-64211153	exonic	VPS54	2	64189191	64211153	1	1	0	2	1	0	21962	0.636912934	-0.284533817	3.053090558	-0.093195342	0.925748375	0.998252924
chr7:2269618-2270399	exonic	MAD1L1	7	2269618	2270399	1	1	0	2	1	0	781	0.636912934	-0.284533817	3.053090558	-0.093195342	0.925748375	0.998252924
chr3:169831147-169854453	exonic	PHC3	3	169831147	169854453	2	4	1	2	5	2	23306	2.586543204	-0.284147415	1.573603275	-0.180571189	0.856704172	0.998252924
chr5:72354259-72373320	exonic	FCHO2	5	72354259	72373320	7	7	3	10	15	1	19061	5.901390057	-0.283968786	1.141562451	-0.24875449	0.803550696	0.998252924
chr5:131013395-131044965	exonic	FNIP1	5	131013395	131044965	7	3	1	11	6	0	31570	3.51859479	-0.283353175	1.483946726	-0.190945652	0.848568173	0.998252924
chr8:133848784-133856563	exonic	PHF20L1	8	133848784	133856563	3	2	1	3	0	3	7779	2.176371434	-0.28286316	1.823966309	-0.155081351	0.876757184	0.998252924
chr22:34157357-34252790	exonic	LARGE	22	34157357	34252790	0	3	0	0	5	0	95433	1.127964506	-0.281570188	2.906101088	-0.09688933	NA	NA
chr9:37126309-37165932	exonic	ZCCHC7	9	37126309	37165932	0	3	0	0	5	0	39623	1.127964506	-0.281570188	2.906101088	-0.09688933	NA	NA
chr1:15973105-15973724	intronic	DDI2	1	15973105	15973724	0	4	0	0	0	3	619	1.621759023	-0.281472359	2.616380414	-0.107580823	NA	NA
chr2:110342702-110343415	exonic		2	110342702	110343415	5	2	1	6	2	2	713	2.68711571	-0.281259309	1.536921084	-0.18300179	0.854796614	0.998252924
chr6:139264649-139265759	exonic	REPS1	6	139264649	139265759	10	9	14	14	28	6	1110	12.34655683	-0.281257471	0.864470949	-0.325352137	NA	NA
chr3:142116170-142123918	exonic	XRN1	3	142116170	142123918	0	2	2	3	0	2	7748	1.678461022	-0.280946574	2.147148964	-0.130846336	0.895896867	0.998252924
chr18:29691716-29693823	exonic	RNF138	18	29691716	29693823	8	3	9	27	8	0	2107	7.168770943	-0.279068906	1.200628395	-0.232435703	0.816199621	0.998252924
chr3:142455220-142467302	exonic	TRPC1	3	142455220	142467302	3	3	2	6	7	0	12082	2.78938654	-0.278570046	1.571239277	-0.177293204	0.859278088	0.998252924
chr3:33725850-33738425	exonic	CLASP2	3	33725850	33738425	3	4	6	2	11	4	12575	5.044477023	-0.278056194	1.244179901	-0.223485522	NA	NA
chr5:49694941-49707217	exonic	EMB	5	49694941	49707217	6	10	20	10	37	7	12276	14.16071888	-0.276220501	0.921907487	-0.29961846	0.764468202	0.998252924
chr2:169018296-169023917	exonic	STK39	2	169018296	169023917	0	0	7	5	4	2	5621	3.012987009	-0.27552893	1.759728504	-0.156574681	NA	NA
chr2:45773870-45789895	exonic	SRBD1	2	45773870	45789895	2	4	5	4	9	1	16025	5.671230595	-0.27428396	1.152224523	-0.23804732	NA	NA
chr1:89236034-89251896	exonic	PKN2	1	89236034	89251896	1	0	3	3	4	0	15862	1.523837862	-0.273616273	2.179009159	-0.125569125	0.900073004	0.998252924
chr8:71071739-71075089	exonic	NCOA2	8	71071739	71075089	6	7	3	12	14	0	3350	5.555779854	-0.272584171	1.241621296	-0.219538898	0.826230283	0.998252924
chr5:56160560-56161804	exonic	MAP3K1	5	56160560	56161804	8	7	8	13	16	4	1244	8.381339531	-0.272148883	0.950558761	-0.286304113	0.774645209	0.998252924
chr13:52971366-52976816	exonic	THSD1	13	52971366	52976816	3	2	0	8	0	0	5450	1.586003508	-0.269072187	2.337797453	-0.11509645	NA	NA
chr7:139415730-139416814	exonic	HIPK2	7	139415730	139416814	9	9	17	27	18	7	1084	13.28936936	-0.268862233	0.841683157	-0.319434018	NA	NA
chr7:40027197-40087476	exonic	CDK13	7	40027197	40087476	0	1	2	0	1	2	60279	1.30627849	-0.265269803	2.410480871	-0.1100485	0.912370911	0.998252924
chr4:174305802-174325101	exonic	SCRG1	4	174305802	174325101	4	0	2	3	6	0	19299	1.955584508	-0.264309868	1.95995743	-0.134854902	0.892726596	0.998252924
chr2:238933982-238940895	exonic	UBE2F	2	238933982	238940895	1	1	0	0	1	1	6913	0.732508772	-0.264292427	2.96263153	-0.089208673	0.928916073	0.998252924
chr3:15271948-15282360	exonic	CAPN7	3	15271948	15282360	1	1	0	0	1	1	10412	0.732508772	-0.264292427	2.96263153	-0.089208673	0.928916073	0.998252924
chr3:33453072-33467233	exonic	UBP1	3	33453072	33467233	1	1	0	0	1	1	14161	0.732508772	-0.264292427	2.96263153	-0.089208673	0.928916073	0.998252924
chr7:2403266-2404164	exonic	EIF3B	7	2403266	2404164	1	1	0	0	1	1	898	0.732508772	-0.264292427	2.96263153	-0.089208673	0.928916073	0.998252924
chr7:72873865-72884813	exonic	BAZ1B	7	72873865	72884813	4	3	1	4	4	2	10948	2.761836639	-0.263877189	1.495484568	-0.176449289	0.859940985	0.998252924
chr8:124089350-124096580	exonic	TBC1D31	8	124089350	124096580	0	2	6	2	8	2	7230	3.329445114	-0.263709039	1.585692803	-0.166305251	0.867916734	0.998252924
chr12:69644908-69656342	exonic	CPSF6	12	69644908	69656342	5	5	8	17	14	0	11434	6.596143366	-0.26261451	1.184008442	-0.221801214	NA	NA
chr18:44470543-44483598	exonic	PIAS2	18	44470543	44483598	6	5	5	15	7	2	13055	5.689945727	-0.261405124	1.115959446	-0.234242494	0.814796727	0.998252924
chr13:49742748-49752790	exonic	FNDCA3	13	49742748	49752790	3	0	2	0	1	3	10042	1.827182128	-0.261241563	2.124618978	-0.122959253	NA	NA
chr20:40161688-40179999	exonic	CHD6	20	40161688	40179999	1	5	10	18	5	3	18311	6.416454061	-0.260094201	1.195038205	-0.217645093	0.827705648	0.998252924

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chr21:48063446-48064400	exonic	PRMT2	21	48063446	48064400	3	2	2	12	0	0	954	2.405787099	-0.259803641	1.884174579	-0.137887244	NA	NA
chr3:171965322-171969331	exonic	FNDC3B	3	171965322	171969331	49	39	45	52	72	40	4009	48.56513326	-0.259329031	0.605625486	-0.428200327	0.668505278	0.998252924
chr1:172520651-172548407	exonic	SUCO	1	172520651	172548407	3	0	1	4	2	0	27756	1.251530238	-0.259154669	2.327109755	-0.11136332	0.911328245	0.998252924
chr15:38794512-38798121	exonic	RASGRP1	15	38794512	38798121	3	0	1	4	2	0	3609	1.251530238	-0.259154669	2.327109755	-0.11136332	0.911328245	0.998252924
chr22:42807412-42807742	exonic	NFAM1	22	42807412	42807742	4	1	0	3	4	0	330	1.493267413	-0.258130534	2.173012139	-0.118789274	0.905442307	0.998252924
chr11:119155678-119156276	exonic	CBL	11	119155678	119156276	3	3	3	11	2	1	598	3.221293991	-0.256785903	1.445389466	-0.177658624	NA	NA
chr2:231940224-231951895	exonic	PSMD1	2	231940224	231951895	0	2	2	2	5	0	11671	1.560849528	-0.256222056	2.15780182	-0.118742163	0.905479632	0.998252924
chr10:76598440-76603236	exonic	KAT6B	10	76598440	76603236	1	0	2	2	3	0	4796	1.09923003	-0.254150661	2.46125853	-0.103260449	0.917756265	0.998252924
chr1:76205664-76216231	exonic	ACADM	1	76205664	76216231	2	2	1	5	3	0	10567	1.6984337	-0.253791427	1.919144839	-0.132241935	0.894792933	0.998252924
chr1:111434013-111435155	exonic	CD53	1	111434013	111435155	3	0	0	2	2	0	1142	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr12:122218777-122219098	exonic	RHOF	12	122218777	122219098	3	0	0	2	2	0	321	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr13:20600751-20611049	exonic	ZMYM2	13	20600751	20611049	3	0	0	2	2	0	10298	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr2:10784445-10811816	exonic	NOL10	2	10784445	10811816	3	0	0	2	2	0	27371	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr2:113057426-113075645	exonic	ZC3H6	2	113057426	113075645	3	0	0	2	2	0	18219	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr20:21321358-21327188	exonic	XRN2	20	21321358	21327188	3	0	0	2	2	0	5830	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr20:50290691-50307358	exonic	ATP9A	20	50290691	50307358	3	0	0	2	2	0	16667	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr6:157405795-157431695	exonic	ARID1B	6	157405795	157431695	3	0	0	2	2	0	25900	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr7:90376995-90492584	exonic	CDK14	7	90376995	90492584	3	0	0	2	2	0	115589	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr9:271626-289581	exonic	DOCK8	9	271626	289581	3	0	0	2	2	0	17955	0.841638442	-0.253723598	2.930228992	-0.086588317	NA	NA
chr7:152007050-152012423	exonic	KMT2C	7	152007050	152012423	11	13	4	18	11	7	5373	9.875954695	-0.25293088	0.920378652	-0.274811763	0.78346086	0.998252924
chr14:103470264-103478525	exonic	CDC42BPB	14	103470264	103478525	7	1	3	6	2	4	8261	3.781789065	-0.252614661	1.382754144	-0.182689498	0.855041656	0.998252924
chr9:88200377-88248289	exonic	AGTPBP1	9	88200377	88248289	1	0	1	1	2	0	47912	0.674622197	-0.251515352	2.995003422	-0.083978319	0.93307367	0.998252924
chr10:128768965-128788867	exonic	DOCK1	10	128768965	128788867	3	4	5	4	5	5	19902	4.641884846	-0.250861779	1.243703871	-0.201705394	0.840147045	0.998252924
chr11:77386080-77389198	exonic	RSF1	11	77386080	77389198	6	2	1	13	1	0	3118	2.822817709	-0.250783104	1.689982675	-0.14839389	NA	NA
chr1:9931244-9938047	exonic	CTNNBIP1	1	9931244	9938047	4	0	2	5	2	1	6803	1.9923162	-0.250057492	1.831737033	-0.136513859	0.891415069	0.998252924
chr3:3197902-3215945	exonic	CRBN	3	3197902	3215945	5	2	1	3	4	1	18043	3.932487075	-0.24999982	1.308231468	-0.191097543	0.848449172	0.998252924
chr1:33413822-33415375	exonic	RNF19B	1	33413822	33415375	1	7	11	17	13	2	1553	7.515964066	-0.248908757	1.13431656	-0.219435003	0.826311206	0.998252924
chr14:97022183-97022750	exonic	PAPOLA	14	97022183	97022750	3	1	2	2	5	1	567	2.081753167	-0.246997771	1.699294779	-0.145353104	0.884432089	0.998252924
chr7:135262543-135277940	exonic	NUP205	7	135262543	135277940	4	0	1	2	5	0	15397	1.530976676	-0.245720385	2.171751818	-0.113143861	0.909916502	0.998252924
chr5:36953719-36976504	exonic	NIPBL	5	36953719	36976504	15	14	8	14	15	13	22785	13.26343017	-0.24571013	0.841127749	-0.292119872	0.770194973	0.998252924
chr8:42211943-42229180	exonic	POLB	8	42211943	42229180	7	2	0	9	4	0	17237	2.692372351	-0.245641627	1.756796011	-0.139823648	0.888799328	0.998252924
chr5:65284462-65310553	exonic	ERBB2IP	5	65284462	65310553	4	5	7	10	8	4	26091	6.032417606	-0.244784275	1.0901324	-0.224545454	0.822332902	0.998252924
chr13:20425494-20426330	exonic	ZMYM5	13	20425494	20426330	3	3	0	4	5	0	836	1.940170875	-0.244133151	1.946477164	-0.125423075	0.900188621	0.998252924
chr10:71912019-71921687	exonic	SARIA	10	71912019	71921687	0	0	2	4	0	0	9668	0.819783592	-0.243501438	3.274163115	-0.074370589	NA	NA
chr12:95879654-95897937	exonic	METAP2	12	95879654	95897937	0	0	2	4	0	0	18283	0.819783592	-0.243501438	3.274163115	-0.074370589	NA	NA

chr19:11230767-11231198	exonic	LDLR	19	11230767	11231198	0	0	2	4	0	0	431	0.819783592	-0.243501438	3.274163115	-0.074370589	NA	NA
chr2:145182362-145187593	exonic	ZEB2	2	145182362	145187593	0	0	2	4	0	0	5231	0.819783592	-0.243501438	3.274163115	-0.074370589	NA	NA
chr3:87939260-87941181	intergenic	<small>P001F1 (dist=613523), HTR1F (dist=90545)</small>	3	87939260	87941181	0	0	2	4	0	0	1921	0.819783592	-0.243501438	3.274163115	-0.074370589	NA	NA
chrX:76888694-76920267	exonic	ATRX	X	76888694	76920267	0	0	2	4	0	0	31573	0.819783592	-0.243501438	3.274163115	-0.074370589	NA	NA
chr5:68588014-68607031	exonic	CCDC125	5	68588014	68607031	2	4	2	7	4	1	19017	2.886123125	-0.242483361	1.479053757	-0.163944927	0.869774499	0.998252924
chr5:68590619-68607031	exonic	CCDC125	5	68590619	68607031	2	4	2	7	4	1	16412	2.886123125	-0.242483361	1.479053757	-0.163944927	0.869774499	0.998252924
chr6:25450125-25488813	exonic	LRRC16A	6	25450125	25488813	0	3	0	3	0	1	38688	1.149980161	-0.241138602	2.666139765	-0.090444847	NA	NA
chr17:1339913-1340449	exonic	CRK	17	1339913	1340449	1	2	0	5	0	0	536	1.009095467	-0.240516248	2.773890734	-0.086707182	NA	NA
chr2:168869143-168873605	exonic	STK39	2	168869143	168873605	4	0	0	0	5	0	4462	1.12108488	-0.239726377	2.896615567	-0.082760854	NA	NA
chr6:170626457-170632347	exonic	FAM120B	6	170626457	170632347	0	2	2	4	1	1	5890	1.59758122	-0.238424587	2.0336084	-0.117242133	0.90666818	0.998252924
chrX:11187624-11207104	exonic	ARHGAP6	X	11187624	11207104	3	1	0	6	0	0	19480	1.199104938	-0.237253182	2.596178607	-0.091385539	NA	NA
chr1:117944807-117984947	exonic	MAN1A2	1	117944807	117984947	37	20	28	32	28	32	40140	30.4352932	-0.237041182	0.705008042	-0.336224792	NA	NA
chr7:158662545-158669382	exonic	WDR60	7	158662545	158669382	15	34	7	30	17	19	6837	20.34402578	-0.236777878	0.821102099	-0.288365939	NA	NA
chr10:99196174-99197507	exonic	EXOSC1	10	99196174	99197507	35	7	11	63	15	2	1333	17.03389868	-0.236735096	0.934351504	-0.253368347	NA	NA
chr1:35857812-35865177	exonic	ZMYM4	1	35857812	35865177	1	1	0	3	0	0	7365	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr10:133784141-133787447	exonic	BNIP3	10	133784141	133787447	1	1	0	3	0	0	3306	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr12:5841685-5963307	exonic	ANO2	12	5841685	5963307	4	1	0	2	0	0	121622	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr16:65388145-65397711	ncRNA_exonic	LINCO0922	16	65388145	65397711	1	1	0	3	0	0	9566	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr2:234164747-234173789	exonic	ATG16L1	2	234164747	234173789	1	1	0	3	0	0	9042	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr20:35457456-35467844	exonic	SOGA1	20	35457456	35467844	1	1	0	3	0	0	10388	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr3:47676679-47680270	exonic	SMARCC1	3	47676679	47680270	1	1	0	3	0	0	3591	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr5:65288537-65310553	exonic	ERBB2IP	5	65288537	65310553	4	5	7	10	8	4	22016	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr6:70447833-70500364	exonic	LMBRD1	6	70447833	70500364	1	1	0	3	0	0	52531	0.622196897	-0.236531703	3.338019062	-0.070859902	NA	NA
chr7:138951078-138957186	exonic	UBN2	7	138951078	138957186	6	1	1	4	1	3	6108	2.61639527	-0.235596044	1.623651196	-0.145102621	0.884629849	0.998252924
chr11:82984689-82989872	exonic	CCDC90B	11	82984689	82989872	1	0	5	2	4	2	5183	2.428501745	-0.234404493	1.763997894	-0.132882524	NA	NA
chr14:20871535-20874559	exonic	TEP1	14	20871535	20874559	1	3	1	4	0	2	3024	1.890766124	-0.234305955	1.931676847	-0.121296662	0.903456063	0.998252924
chr4:170428187-170459062	exonic	NEK1	4	170428187	170459062	2	0	2	1	3	1	30875	1.430124196	-0.233694018	2.10759737	-0.110881719	0.911710143	0.998252924
chr12:123983090-123984083	exonic	RILPL1	12	123983090	123984083	19	3	3	25	5	3	993	7.752963951	-0.233622351	1.109688984	-0.210529576	NA	NA
chr1:247302018-247323115	exonic	ZNF124	1	247302018	247323115	5	0	0	7	0	0	21097	1.38911441	-0.232623077	2.680982156	-0.086767857	NA	NA
chr11:68527036-68529155	exonic	CPT1A	11	68527036	68529155	5	0	0	7	0	0	2119	1.38911441	-0.232623077	2.680982156	-0.086767857	NA	NA
chr3:183361267-183390272	exonic	KLHL24	3	183361267	183390272	3	4	2	6	4	2	29005	3.217017291	-0.232026814	1.39229388	-0.166650746	0.867644863	0.998252924
chrMT:8398-8624	intergenic	<small>NONE (dist=NONE), NONE (dist=NONE)</small>	MT	8398	8624	12	8	16	4	54	0	226	13.05908043	-0.231810268	1.154192459	-0.200841953	NA	NA
chr6:130505247-130505768	exonic	SAMD3	6	130505247	130505768	6	0	0	5	3	0	521	1.668560848	-0.231061621	2.26561943	-0.10198607	NA	NA
chr22:38891800-38897285	exonic	DDX17	22	38891800	38897285	7	4	4	13	4	0	5485	1.236814201	-0.230730517	2.36837926	-0.097421271	0.922391853	0.998252924
chr7:101559394-101838883	exonic	CUX1	7	101559394	101838883	3	2	0	3	0	2	279489	1.6708838	-0.229909986	2.123472791	-0.108270747	0.913780926	0.998252924

chr6:148789680-148808851	exonic	SASH1	6	148789680	148808851	4	0	2	5	4	0	19171	1.926152435	-0.229739184	1.958551292	-0.11730057	0.906621873	0.998252924	
chr7:151935791-151948051	exonic	KMT2C	7	151935791	151948051	2	3	0	7	1	0	12260	1.646008401	-0.229452685	2.130539276	-0.107696998	0.914236051	0.998252924	
chr15:41377566-41379880	exonic	INO80	15	41377566	41379880	1	3	1	3	5	0	2314	1.77315463	-0.226887351	1.921001948	-0.11810886	0.905981403	0.998252924	
chr10:91511102-91520393	exonic	KIF20B	10	91511102	91520393	2	5	4	3	2	6	9291	4.328729635	-0.226201212	1.35453264	-0.166995763	NA	NA	
chr10:91511102-91522592	exonic	KIF20B	10	91511102	91522592	2	5	4	3	2	6	11490	4.328729635	-0.226201212	1.35453264	-0.166995763	NA	NA	
chr16:53922744-54042430	exonic	FTO	16	53922744	54042430	4	3	3	17	0	0	119686	3.437875792	-0.226118434	1.685758217	-0.134134558	NA	NA	
chr11:34093272-34098189	exonic	CAPRIN1	11	34093272	34098189	4	6	1	7	10	0	4917	3.713325505	-0.226096786	1.4611114	-0.154743017	0.877023916	0.998252924	
chr13:25051838-25067871	exonic	PARP4	13	25051838	25067871	0	0	3	6	0	0	16033	1.229675387	-0.224874087	2.818301899	-0.079790631	NA	NA	
chr16:30675535-30677862	exonic	FBRS	16	30675535	30677862	35	15	13	57	20	9	2327	20.94744218	-0.224626978	0.752495119	-0.298509548	NA	NA	
chr16:22360599-22361170	exonic	CDR2	16	22360599	22361170	3	3	3	3	11	0	571	3.151831097	-0.223589642	1.538599719	-0.145320215	NA	NA	
chr2:148653869-148657136	exonic	ACVR2A	2	148653869	148657136	24	11	11	38	22	5	3267	15.42620866	-0.223587123	0.798312637	-0.280074639	0.779420242	0.998252924	
chr2:148653869-148657467	exonic	ACVR2A	2	148653869	148657467	24	11	11	38	22	5	3598	15.42620866	-0.223587123	0.798312637	-0.280074639	0.779420242	0.998252924	
chr4:39301640-39304771	exonic	RFC1	4	39301640	39304771	1	0	2	3	2	0	3131	1.084513993	-0.222782029	2.471070522	-0.090156079	0.928163186	0.998252924	
chr5:134076752-134079742	exonic	CAMLG	5	134076752	134079742	1	0	2	3	2	0	2990	1.084513993	-0.222782029	2.471070522	-0.090156079	0.928163186	0.998252924	
chr19:3623685-3624160	exonic	CACTIN	19	3623685	3624160	4	4	3	14	4	0	475	3.777327123	-0.220604355	1.428027825	-0.154481833	0.877229835	0.998252924	
chr2:24046127-24046439	exonic	ATAD2B	2	24046127	24046439	3	6	0	7	7	0	312	3.023987271	-0.220573296	1.680763252	-0.131234007	0.895590195	0.998252924	
chr10:7839009-7844817	exonic	ATP5C1	10	7839009	7844817	25	23	17	40	47	7	5808	22.68486487	-0.220306291	0.712541918	-0.309183622	0.757181852	0.998252924	
chr19:13135834-13136366	exonic	NFIX	19	13135834	13136366	4	5	1	13	3	0	532	3.329726064	-0.220302388	1.538933265	-0.143152659	0.886169618	0.998252924	
chr8:99718694-99719539	exonic	STK3	8	99718694	99719539	16	10	9	13	16	11	845	12.29086176	-0.219868157	0.845808465	-0.259950291	0.794902118	0.998252924	
chr17:75398140-75398785	exonic		9-Sep	17	75398140	75398785	8	9	2	10	8	5	645	6.567342055	-0.219521687	1.07588607	-0.204038042	0.838323771	0.998252924
chr14:65922339-65924925	UTR5	<small>019106.179121:c.-10542..-10540;0084041146;NM_004480:c.-12374..-12376del1ins0</small>	14	65922339	65924925	0	0	4	3	0	2	2586	1.724447475	-0.215948157	2.321040405	-0.093039379	0.925872277	0.998252924	
chr9:14639893-14680160	exonic	ZDHHC21	9	14639893	14680160	10	6	7	4	24	3	40267	7.970966891	-0.215913393	1.058716684	-0.203938784	NA	NA	
chr10:5751493-5756170	UTR5	<small>FAM208B(NM_017782:c.-7820..-7725del1ins0)</small>	10	5751493	5756170	0	0	4	8	0	0	4677	1.639567183	-0.214837477	2.559697154	-0.083930818	NA	NA	
chr6:155095122-155114110	exonic	SCAF8	6	155095122	155114110	5	4	0	5	8	0	18988	2.84181421	-0.214370259	1.703801319	-0.125818813	0.89987535	0.998252924	
chr6:155095122-155116273	exonic	SCAF8	6	155095122	155116273	5	4	0	5	8	0	21151	2.84181421	-0.214370259	1.703801319	-0.125818813	0.89987535	0.998252924	
chr13:30801548-30815223	exonic	KATNAL1	13	30801548	30815223	2	2	0	4	2	0	13675	1.273825868	-0.214004049	2.294140165	-0.093282901	0.925678816	0.998252924	
chr14:37754522-37838829	exonic	MIPOL1	14	37754522	37838829	2	0	0	3	1	0	84307	0.826922406	-0.213572786	2.969051163	-0.071933009	NA	NA	
chr1:114372213-114377061	exonic	PTPN22	1	114372213	114377061	15	4	11	23	17	3	4848	10.22915047	-0.21316842	0.93485691	-0.228022511	0.81962874	0.998252924	
chr17:60087910-60140662	exonic	MED13	17	60087910	60140662	3	5	1	7	7	0	52752	3.046980498	-0.212953158	1.554670393	-0.136976403	0.891049447	0.998252924	
chr4:52729602-52752804	exonic	DCUN1D4	4	52729602	52752804	2	2	3	4	5	1	23202	2.536933819	-0.210214379	1.549258143	-0.135687122	0.892068628	0.998252924	
chr12:31595708-31600703	exonic	DENND5B	12	31595708	31600703	4	0	0	1	4	0	4995	1.106368843	-0.209884485	2.666896104	-0.078699911	NA	NA	
chr14:89878277-89878834	exonic	FOXN3	14	89878277	89878834	1	0	1	2	1	0	557	0.65990616	-0.209326775	3.015567125	-0.069415392	0.944658977	0.998252924	
chr1:113197086-113202401	exonic	CAPZA1	1	113197086	113202401	3	3	0	6	3	0	5315	1.910738802	-0.208315721	1.961521665	-0.106201081	0.915422813	0.998252924	
chr1:40980187-40981590	exonic	EXO5	1	40980187	40981590	3	3	0	6	3	0	1403	1.910738802	-0.208315721	1.961521665	-0.106201081	0.915422813	0.998252924	
chr1:48860938-48869554	exonic	SPATA6	1	48860938	48869554	2	0	2	2	2	1	8616	1.415408159	-0.20757815	2.092750929	-0.099189133	0.920988103	0.998252924	

chr9:96233422-96238620	exonic	FAM120A	9	96233422	96238620	8	10	6	8	18	5	5198	8.528345404	-0.207184789	0.967529779	-0.214137894	0.830439526	0.998252924
chr14:102368055-102372866	exonic	PPP2R5C	14	102368055	102372866	5	0	0	2	0	2	4811	1.473994702	-0.206042889	2.432750319	-0.084695452	NA	NA
chr20:44530905-44531243	exonic	PLTP	20	44530905	44531243	2	1	0	0	4	0	338	0.916359372	-0.205156562	2.874023175	-0.071383058	NA	NA
chr14:64465631-64488746	exonic	SYNE2	14	64465631	64488746	17	4	1	5	9	7	23115	6.865484233	-0.20286182	1.163746953	-0.17431781	NA	NA
chr19:38631823-38633350	exonic	SIPAIL3	19	38631823	38633350	3	4	3	3	4	4	1527	3.711789379	-0.202178095	1.347719765	-0.150014937	0.880752831	0.998252924
chr2:61722589-61726048	exonic	XPO1	2	61722589	61726048	2	3	2	6	3	1	3459	2.484508519	-0.202136961	1.562225805	-0.129390361	0.897048775	0.998252924
chr4:52729602-52765544	exonic	DCUN1D4	4	52729602	52765544	2	2	2	2	1	3	35942	2.259369553	-0.201925134	1.689079602	-0.119547435	0.904841662	0.998252924
chr11:34107610-34113603	exonic	CAPRIN1	11	34107610	34113603	0	0	3	1	0	2	5993	1.314555679	-0.201552342	2.58614881	-0.077935323	NA	NA
chr1:151400298-151414681	exonic	POGZ	1	151400298	151414681	0	3	0	3	2	0	14383	1.083816396	-0.200390947	2.671990743	-0.074996872	NA	NA
chr16:72991325-72994093	exonic	ZFH3	16	72991325	72994093	0	3	0	3	2	0	2768	1.083816396	-0.200390947	2.671990743	-0.074996872	NA	NA
chr15:85223943-85234875	exonic	SEC11A	15	85223943	85234875	5	9	4	6	11	5	10932	6.512756002	-0.200387338	1.077865884	-0.185911199	0.8525144	0.998252924
chr8:131164981-131181313	exonic	ASAP1	8	131164981	131181313	9	3	8	16	13	1	16332	6.844419341	-0.198726118	1.096528231	-0.181232104	0.856185397	0.998252924
chr2:168986050-168997268	exonic	STK39	2	168986050	168997268	4	0	3	9	2	0	11218	2.306612158	-0.198196148	1.867593897	-0.106123793	NA	NA
chr19:47767859-47768203	exonic	CCDC9	19	47767859	47768203	35	37	8	89	26	5	344	26.69041906	-0.197893575	0.824768367	-0.239938367	NA	NA
chrX:38133991-38137603	exonic	RPGR	X	38133991	38137603	2	3	0	8	0	0	3612	1.631292364	-0.197125919	2.319744298	-0.084977434	0.932279331	0.998252924
chr15:63824845-63850387	exonic	USP3	15	63824845	63850387	9	2	7	3	6	3	25542	1.746302326	-0.19525978	1.964191862	-0.099409729	0.920812959	0.998252924
chr12:27867712-27877119	exonic	MRPS35	12	27867712	27877119	10	6	5	7	11	6	9407	7.246662339	-0.193919569	1.015557076	-0.190948961	0.84856558	0.998252924
chr2:32602655-32617218	exonic	BIRC6	2	32602655	32617218	0	4	1	0	8	0	14563	1.862591596	-0.19217653	2.27042934	-0.084643255	NA	NA
chr1:10209241-10221344	exonic	UBE4B	1	10209241	10221344	0	2	0	0	3	0	12103	0.711633864	-0.192056209	3.452180916	-0.055633298	NA	NA
chr1:155742856-155747611	exonic	GON4L	1	155742856	155747611	0	2	0	0	3	0	4755	0.711633864	-0.192056209	3.452180916	-0.055633298	NA	NA
chr13:76287317-76335174	exonic	LMO7	13	76287317	76335174	0	2	0	0	3	0	47857	0.711633864	-0.192056209	3.452180916	-0.055633298	NA	NA
chr18:19144163-19164401	exonic	ESCO1	18	19144163	19164401	0	2	0	0	3	0	20238	0.711633864	-0.192056209	3.452180916	-0.055633298	NA	NA
chr3:37336469-37343823	exonic	GOLGA4	3	37336469	37343823	0	2	0	0	3	0	7354	0.711633864	-0.192056209	3.452180916	-0.055633298	NA	NA
chr8:133590654-133627343	exonic	LRR6	8	133590654	133627343	0	2	0	0	3	0	36689	0.711633864	-0.192056209	3.452180916	-0.055633298	NA	NA
chr10:116879948-116889297	exonic	ATRNL1	10	116879948	116889297	1	2	1	0	6	0	9349	1.400972097	-0.191170326	2.303047002	-0.083007566	NA	NA
chr12:113705647-113707650	exonic	TPCN1	12	113705647	113707650	4	3	0	5	5	0	2003	2.175469203	-0.190181387	1.862815027	-0.102093543	0.918682426	0.998252924
chr9:134049441-134053797	exonic	NUP214	9	134049441	134053797	1	1	0	1	0	1	4356	0.717792736	-0.190150086	2.98029954	-0.06380234	0.949127615	0.998252924
chr7:99952766-99953427	ncRNA_exonic	STAG3L5P-PVRIG2P-PILRB	7	99952766	99953427	0	4	3	6	6	0	661	2.652943115	-0.188487869	1.767924922	-0.106615313	NA	NA
chr1:100960373-100964818	exonic	CDC14A	1	100960373	100964818	1	0	2	4	1	0	4445	1.069797956	-0.188254285	2.509542195	-0.075015389	0.940202468	0.998252924
chr1:155490890-155491409	exonic	ASH1L	1	155490890	155491409	0	2	2	5	2	0	519	1.516701419	-0.188211834	2.173760075	-0.086583536	0.931002553	0.998252924
chr10:133757471-133758963	exonic	PPP2R2D	10	133757471	133758963	1	0	1	0	1	1	1492	0.755501999	-0.187831892	2.931770245	-0.064067739	0.948916289	0.998252924
chr10:76153898-76158337	exonic	ADK	10	76153898	76158337	1	0	1	0	1	1	4439	0.755501999	-0.187831892	2.931770245	-0.064067739	0.948916289	0.998252924
chr4:166021779-166024248	exonic	TMEM192	4	166021779	166024248	1	0	1	0	1	1	2469	0.755501999	-0.187831892	2.931770245	-0.064067739	0.948916289	0.998252924
chr4:148867767-148887990	exonic	ARHGAP10	4	148867767	148887990	4	0	0	3	0	1	20223	1.143100535	-0.187387797	2.654842215	-0.070583403	NA	NA
chr20:3199163-3199640	exonic	ITPA	20	3199163	3199640	3	2	0	3	4	0	477	1.538556269	-0.18726312	2.125483062	-0.088103793	0.929794182	0.998252924

chr9:19423859-19424839	exonic	ACER2	9	19423859	19424839	2	2	0	5	1	0	980	1.259109831	-0.185365462	2.335698285	-0.079361903	NA	NA
chr6:76412360-76412788	exonic	SENP6	6	76412360	76412788	7	7	5	10	19	0	428	6.471819186	-0.184575999	1.185580515	-0.15568407	0.876282055	0.998252924
chrX:53641494-53642796	exonic	HUWE1	X	53641494	53642796	5	5	3	11	9	0	1302	4.366792819	-0.184128098	1.330220093	-0.138419273	0.889909066	0.998252924
chr1:159888553-159890327	exonic	TAGLN2	1	159888553	159890327	0	6	0	6	4	0	1774	2.167632793	-0.183566894	2.093643498	-0.0876782	NA	NA
chr8:17532694-17581342	exonic	MTUS1	8	17532694	17581342	2	3	0	2	11	2	48648	1.348546798	-0.181448699	2.278546653	-0.079633524	0.936528732	0.998252924
chr15:76152218-76165909	exonic	UBE2Q2	15	76152218	76165909	8	7	10	11	19	4	13691	8.926337077	-0.181113296	0.948474866	-0.19095213	0.848563098	0.998252924
chr15:44620882-44673174	exonic	CASC4	15	44620882	44673174	2	1	0	1	1	1	52292	0.9678071	-0.179036573	2.468407098	-0.072531218	0.942179163	0.998252924
chr1:155646338-155649303	exonic	YY1AP1	1	155646338	155649303	97	40	21	102	80	20	2965	50.31574215	-0.179016925	0.639244316	-0.28004461	0.77944328	0.998252924
chr14:91409421-91467503	exonic	RPS6KA5	14	91409421	91467503	4	0	0	2	3	0	58082	1.091652807	-0.178999879	2.649473764	-0.06756054	NA	NA
chr2:48725631-48738607	exonic	PPP1R21	2	48725631	48738607	4	0	0	2	3	0	12976	1.091652807	-0.178999879	2.649473764	-0.06756054	NA	NA
chr3:48960180-48965246	exonic	ARIH2	3	48960180	48965246	4	0	0	2	3	0	5066	1.091652807	-0.178999879	2.649473764	-0.06756054	NA	NA
chr1:8601272-8674745	exonic	RERE	1	8601272	8674745	9	6	3	4	13	4	73473	6.029820815	-0.178955741	1.119880738	-0.159798927	0.873039469	0.998252924
chr15:94888357-94945248	exonic	MCTP2	15	94888357	94945248	14	2	8	12	12	5	56891	8.001679729	-0.178668788	1.018208906	-0.175473605	NA	NA
chr15:94899365-94945248	exonic	MCTP2	15	94899365	94945248	14	2	8	12	12	5	45883	8.001679729	-0.178668788	1.018208906	-0.175473605	NA	NA
chr10:112640990-112650428	exonic	PDCD4	10	112640990	112650428	1	2	1	1	5	0	9438	1.386256061	-0.178366368	2.140754851	-0.08331938	NA	NA
chr1:63944434-63974241	exonic	ITGB3BP	1	63944434	63974241	0	4	0	7	0	0	29807	1.441282892	-0.177916952	2.66301873	-0.066810252	NA	NA
chr6:109466421-109468140	exonic	CEP57L1	6	109466421	109468140	0	2	2	0	0	3	1719	1.667745476	-0.177355615	2.382538686	-0.074439763	NA	NA
chr12:129299319-129299615	exonic	SLC15A4	12	129299319	129299615	3	2	4	6	8	0	296	3.130676214	-0.176038141	1.516565104	-0.116076877	0.907591614	0.998252924
chr5:124036706-124036962	exonic	ZNF608	5	124036706	124036962	20	10	1	40	6	0	256	9.498385809	-0.176005638	1.232211849	-0.142837157	NA	NA
chr12:102173929-102183835	exonic	GNPTAB	12	102173929	102183835	1	3	0	3	1	1	9906	1.399994526	-0.175853234	2.138610384	-0.082227803	0.934465564	0.998252924
chr2:203817281-203826149	exonic	CARF	2	203817281	203826149	0	1	3	4	3	0	8868	1.554410682	-0.175579995	2.167721298	-0.080997495	0.935443945	0.998252924
chr7:104714065-104719410	exonic	KMT2E	7	104714065	104719410	7	4	4	10	8	2	5345	5.036858341	-0.174809495	1.154083374	-0.151470422	0.879604642	0.998252924
chr8:37734626-37735069	exonic	RAB11FIP1	8	37734626	37735069	20	7	9	47	9	0	443	11.66097258	-0.174639816	1.082743438	-0.161293812	NA	NA
chr1:94667275-94697199	exonic	ARHGAP29	1	94667275	94697199	3	0	0	4	0	0	29924	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr11:119142444-119145663	exonic	CBL	11	119142444	119145663	3	0	0	4	0	0	3219	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr12:72955944-72969322	exonic	TRHDE	12	72955944	72969322	3	0	0	4	0	0	13378	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr12:72956632-72969322	exonic	TRHDE	12	72956632	72969322	3	0	0	4	0	0	12690	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr14:62187096-62188541	exonic	HIF1A	14	62187096	62188541	3	0	0	4	0	0	1445	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr16:70497071-70499079	exonic	FUK	16	70497071	70499079	3	0	0	4	0	0	2008	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr7:38247047-38259261	exonic	STARD3NL	7	38247047	38259261	3	0	0	4	0	0	12214	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr7:72954211-72957974	exonic	BCL7B	7	72954211	72957974	3	0	0	4	0	0	3763	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr8:28956386-28956758	exonic	KIF13B	8	28956386	28956758	3	0	0	4	0	0	372	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chrX:153940503-153944604	exonic	GAB3	X	153940503	153944604	3	0	0	4	0	0	4101	0.812206369	-0.174459299	3.262083154	-0.053480948	NA	NA
chr7:23650789-23651172	exonic	CCDC126	7	23650789	23651172	6	5	16	8	22	6	383	10.16401107	-0.173568236	0.984925566	-0.176224723	0.860117398	0.998252924
chr14:50616725-50619891	exonic	SOS2	14	50616725	50619891	0	1	3	5	0	1	3166	1.60585841	-0.173392621	2.206490898	-0.078582976	0.937364329	0.998252924

chr16:53189837-53191453	exonic	CHD9	16	53189837	53191453	5	0	4	4	7	1	1616	3.014666918	-0.173339728	1.574050323	-0.110123371	0.912311534	0.998252924
chr7:158552176-158557544	exonic	ESYT2	7	158552176	158557544	35	32	26	78	36	14	5368	32.18469898	-0.171977753	0.648893625	-0.265032274	NA	NA
chr11:89165951-89185063	exonic	NOX4	11	89165951	89185063	1	2	0	0	0	2	19112	1.093975759	-0.171006605	2.756006732	-0.062048689	0.950524058	0.998252924
chr3:11849306-11851156	exonic	TAMM41	3	11849306	11851156	3	0	3	5	2	1	1850	2.060598283	-0.168393297	1.810293201	-0.093019902	0.92588775	0.998252924
chr1:59787207-59844509	exonic	FGGY	1	59787207	59844509	26	4	0	36	3	1	57302	8.549274448	-0.16709085	1.330823181	-0.125554508	NA	NA
chr9:86292641-86301070	exonic	UBQLN1	9	86292641	86301070	3	2	4	7	7	0	8429	3.115960177	-0.165156693	1.515493245	-0.108978838	0.913219275	0.998252924
chr3:47079155-47103836	exonic	SETD2	3	47079155	47103836	5	4	3	4	3	5	24681	4.263265837	-0.164645826	1.284718328	-0.128157139	0.898024618	0.998252924
chr3:47079155-47108608	exonic	SETD2	3	47079155	47108608	5	4	3	4	3	5	29453	4.263265837	-0.164645826	1.284718328	-0.128157139	0.898024618	0.998252924
chr6:144808683-144814592	exonic	UTRN	6	144808683	144814592	15	6	6	35	4	1	5909	8.677299865	-0.164329288	1.105624297	-0.148630316	NA	NA
chrX:19701940-19713859	exonic	SH3KBP1	X	19701940	19713859	3	1	0	1	0	2	11919	1.28398523	-0.16398924	2.397109919	-0.068411231	0.945458282	0.998252924
chr3:149563797-149629870	exonic	RNF13	3	149563797	149629870	4	3	1	0	0	2	66073	1.578588484	-0.16299269	2.226065486	-0.073220079	0.941630989	0.998252924
chr7:155499553-155511137	exonic	RBM33	7	155499553	155511137	3	2	0	5	0	1	11584	1.575287961	-0.162694562	2.171375331	-0.074926964	0.940272822	0.998252924
chr14:71867511-71884913	intergenic	<small>SNORD56B(dist=2387), LOC145474(dist=6966)</small>	14	71867511	71884913	2	6	0	0	5	3	17402	2.833421615	-0.160634466	1.806729817	-0.088908958	0.929154264	0.998252924
chr1:117944807-117963271	exonic	MAN1A2	1	117944807	117963271	90	59	62	69	102	61	18464	72.60339431	-0.159201311	0.580106839	-0.274434467	0.783750758	0.998252924
chr1:117948170-117963271	exonic	MAN1A2	1	117948170	117963271	90	59	62	69	102	61	15101	72.60339431	-0.159201311	0.580106839	-0.274434467	0.783750758	0.998252924
chr10:32759991-32762951	exonic	CCDC7	10	32759991	32762951	0	2	0	1	2	0	2960	0.696917827	-0.158619291	3.189548064	-0.049730961	0.960336783	0.998252924
chr4:76725286-76726456	exonic	USO1	4	76725286	76726456	0	2	0	1	2	0	1170	0.696917827	-0.158619291	3.189548064	-0.049730961	0.960336783	0.998252924
chr9:137582757-137593179	exonic	COL5A1	9	137582757	137593179	0	2	0	1	2	0	10422	0.696917827	-0.158619291	3.189548064	-0.049730961	0.960336783	0.998252924
chr16:80718434-80719026	exonic	CDYL2	16	80718434	80719026	14	6	6	18	11	4	592	8.512867154	-0.157132401	0.949963879	-0.165408817	0.868622215	0.998252924
chr14:61909828-61924397	exonic	PRKCH	14	61909828	61924397	1	0	1	3	0	0	14569	0.645190124	-0.156982613	3.294353478	-0.047652025	NA	NA
chr2:54114395-54120936	exonic	PSME4	2	54114395	54120936	1	0	1	3	0	0	6541	0.645190124	-0.156982613	3.294353478	-0.047652025	NA	NA
chr4:5566984-5586577	exonic	EVC2	4	5566984	5586577	1	0	1	3	0	0	19593	0.645190124	-0.156982613	3.294353478	-0.047652025	NA	NA
chr6:3076997-3081350	exonic	RIPK1	6	3076997	3081350	1	0	1	3	0	0	4353	0.645190124	-0.156982613	3.294353478	-0.047652025	NA	NA
chr8:103283361-103285000	exonic	UBR5	8	103283361	103285000	1	0	1	3	0	0	1639	0.645190124	-0.156982613	3.294353478	-0.047652025	NA	NA
chr8:38693679-38697785	exonic	TACC1	8	38693679	38697785	1	0	1	3	0	0	4106	0.645190124	-0.156982613	3.294353478	-0.047652025	NA	NA
chr15:93540186-93541851	exonic	CHD2	15	93540186	93541851	6	4	0	8	6	0	1665	3.047680465	-0.155444645	1.658590767	-0.093720916	0.925330855	0.998252924
chr4:153332454-153333024	exonic	FBXW7	4	153332454	153333024	2	1	0	2	0	1	570	0.953091064	-0.15452537	2.641387371	-0.058501593	0.953349093	0.998252924
chr7:130630478-130737314	ncRNA_exonic	LINC-PINT	7	130630478	130737314	2	1	0	2	0	1	106836	0.953091064	-0.15452537	2.641387371	-0.058501593	0.953349093	0.998252924
chr10:11523768-11527910	exonic	USP6NL	10	11523768	11527910	0	1	2	2	3	0	4142	1.144518886	-0.153981676	2.431625597	-0.063324583	0.949508041	0.998252924
chr16:11114049-11145498	exonic	CLEC16A	16	11114049	11145498	4	0	1	6	1	0	31449	1.472112529	-0.153493648	2.230722383	-0.068808942	0.9451417	0.998252924
chr17:80521229-80526077	exonic	FO XK2	17	80521229	80526077	11	4	4	8	10	4	4848	6.198675403	-0.152636641	1.074190318	-0.142094598	0.887005285	0.998252924
chr17:25631805-25637200	exonic	WSB1	17	25631805	25637200	0	2	0	0	0	0	5395	1.539694645	-0.151082984	2.186013456	-0.069113474	0.944899296	0.998252924
chr2:177161588-177202305	exonic	MTX2	2	177161588	177202305	3	0	6	16	0	0	40717	3.271557144	-0.150671579	2.884139048	-0.052241441	NA	NA
chr8:124089350-124113247	exonic	TBC1D31	8	124089350	124113247	2	4	0	6	3	0	23897	1.956027658	-0.150341584	1.960075181	-0.076701948	0.938860655	0.998252924
chr8:124089350-124117704	exonic	TBC1D31	8	124089350	124117704	2	4	0	6	3	0	28354	1.956027658	-0.150341584	1.960075181	-0.076701948	0.938860655	0.998252924

chr8:124089350-124121860	exonic	TBC1D31	8	124089350	124121860	2	4	0	6	3	0	32510	1.956027658	-0.150341584	1.960075181	-0.076701948	0.938860655	0.998252924
chr10:126097110-126100769	exonic	OAT	10	126097110	126100769	2	0	1	0	4	0	3659	0.939352598	-0.149018372	2.850490296	-0.052278154	NA	NA
chr3:169694733-169703653	exonic	SEC62	3	169694733	169703653	2	0	1	0	4	0	8920	0.939352598	-0.149018372	2.850490296	-0.052278154	NA	NA
chr3:119219541-119222868	exonic	TIMMDC1	3	119219541	119222868	4	9	10	12	20	2	3327	8.369842493	-0.148036741	1.027950267	-0.144011579	0.885491326	0.998252924
chr5:172535626-172550205	exonic	CREBRF	5	172535626	172550205	4	0	0	3	2	0	14579	1.07693677	-0.147335626	2.660849409	-0.055371651	NA	NA
chr4:166141085-166184511	exonic	KLHL2	4	166141085	166184511	3	2	5	5	4	3	43426	3.662179993	-0.146663813	1.344990504	-0.109044497	0.913167197	0.998252924
chr2:61749745-61753656	exonic	XPO1	2	61749745	61753656	18	8	12	13	11	14	3911	13.11160984	-0.144944288	0.871611288	-0.166294643	NA	NA
chr13:28155433-28155940	exonic	LNX2	13	28155433	28155940	3	1	0	0	5	0	507	1.166373736	-0.143500578	2.627552905	-0.054613773	NA	NA
chr6:161469647-161471011	exonic	MAP3K4	6	161469647	161471011	4	3	1	2	9	0	1364	2.53791376	-0.143414431	1.690455013	-0.084837769	NA	NA
chr19:19675741-19680393	exonic	PBX4	19	19675741	19680393	4	0	2	2	2	2	4652	1.981600654	-0.13964448	1.846494542	-0.075626803	0.939716012	0.998252924
chr5:153413350-153414527	exonic	FAM114A2	5	153413350	153414527	17	12	11	41	18	1	1177	13.29952589	-0.139519781	0.922068679	-0.151311702	0.879729839	0.998252924
chr3:47139444-47147610	exonic	SETD2	3	47139444	47147610	5	5	7	14	8	2	8166	5.970212872	-0.138728882	1.102104421	-0.12587635	0.899829804	0.998252924
chr12:122773035-122801402	exonic	CLIP1	12	122773035	122801402	3	1	2	0	2	3	28367	2.122485348	-0.138026164	1.860076788	-0.074204552	0.940847624	0.998252924
chr8:98698895-98703416	exonic	MTDH	8	98698895	98703416	2	1	3	3	6	0	4521	2.069155447	-0.137839146	1.799938297	-0.076579929	0.938957727	0.998252924
chr22:28692185-28693840	exonic	TTC28	22	28692185	28693840	1	0	2	5	0	0	1655	1.05508192	-0.137488856	2.734538861	-0.050278626	NA	NA
chr9:86293355-86301070	exonic	UBQLN1	9	86293355	86301070	7	10	7	11	16	6	7715	5.078568094	-0.136545121	1.168167611	-0.116888295	0.906948574	0.998252924
chr2:197653927-197657876	exonic	GTF3C3	2	197653927	197657876	2	1	0	2	2	0	3949	0.886927299	-0.136148935	2.656755352	-0.05124632	0.959129242	0.998252924
chr19:53883975-53888280	ncRNA_exonic	ZNF525	19	53883975	53888280	2	5	0	2	8	0	4305	2.310195026	-0.134295866	1.88864626	-0.071106945	0.943312641	0.998252924
chr1:151060665-151079698	exonic	GABPB2	1	151060665	151079698	0	2	1	4	1	0	19033	1.092093586	-0.133747595	2.4940202	-0.05362731	0.957232097	0.998252924
chr10:28872327-28884970	exonic	WAC	10	28872327	28884970	2	3	3	5	5	1	12643	2.817521003	-0.130420202	1.482072625	-0.087998523	0.92987785	0.998252924
chr19:34922765-34929671	exonic	UBA2	19	34922765	34929671	3	0	3	6	3	0	6906	1.979718481	-0.128085891	1.945335517	-0.065842571	0.947503163	0.998252924
chr15:59204761-59209198	exonic	SLTM	15	59204761	59209198	16	8	14	32	22	6	4437	38.10155863	-0.127672418	0.644008459	-0.198246493	0.842852213	0.998252924
chr2:206992520-206994966	exonic	NDUFS1	2	206992520	206994966	0	8	4	9	4	3	2446	4.548850475	-0.127338614	1.388830574	-0.091687651	0.926946209	0.998252924
chr2:223752547-223773868	exonic	ACSL3	2	223752547	223773868	0	1	1	0	3	0	21321	0.73462709	-0.127279317	3.151529164	-0.040386527	NA	NA
chr3:183454505-183480067	exonic	YEATS2	3	183454505	183480067	0	1	1	0	3	0	25562	0.73462709	-0.127279317	3.151529164	-0.040386527	NA	NA
chr1:23356961-23385660	exonic	KDM1A	1	23356961	23385660	6	5	1	4	4	4	28699	3.984799341	-0.125884064	1.329989596	-0.094650412	0.924592506	0.998252924
chr18:21644103-21663045	exonic	TTC39C	18	21644103	21663045	11	8	11	16	9	9	18942	10.54721848	-0.124841542	0.895762442	-0.139369029	0.889158545	0.998252924
chr11:45883610-45893784	exonic	CRY2	11	45883610	45893784	13	2	0	18	2	0	10174	4.181041631	-0.124172965	1.625915307	-0.076371115	NA	NA
chr16:70294946-70296427	exonic	AARS	16	70294946	70296427	0	1	2	3	2	0	1481	1.129802849	-0.122641039	2.440840011	-0.050245423	0.959926815	0.998252924
chr3:57276883-57282379	exonic	APPL1	3	57276883	57282379	3	0	2	3	4	0	5496	1.584542722	-0.122504465	2.108878764	-0.058089857	0.953677054	0.998252924
chr1:21097422-21100103	exonic	HP1BP3	1	21097422	21100103	12	14	4	14	20	4	2681	9.918562866	-0.122158243	0.930595929	-0.131268834	0.895562645	0.998252924
chr1:197621364-197643299	exonic	DENND1B	1	197621364	197643299	0	0	4	4	3	0	21935	1.577403908	-0.12198112	2.336326448	-0.052210649	NA	NA
chr5:40852276-40854198	exonic	CARD6	5	40852276	40854198	7	8	5	25	6	0	1922	6.667409279	-0.120991577	1.203461113	-0.100536341	0.919918533	0.998252924
chr6:43023282-43024183	exonic	MRPL2	6	43023282	43024183	6	1	0	6	3	0	901	1.949148032	-0.12007711	1.985738464	-0.060469751	0.951781507	0.998252924
chr2:169547543-169574488	exonic	CERS6	2	169547543	169574488	2	0	5	5	6	0	26945	2.50204047	-0.119186943	1.813497734	-0.065722135	0.947599049	0.998252924

chr17:45479497-45492285	exonic	EFCAB13	17	45479497	45492285	7	8	8	16	10	4	12788	8.019398012	-0.118764391	0.9675511111	-0.122747408	0.902307121	0.998252924
chr11:128993340-129034322	exonic	ARHGAP32	11	128993340	129034322	6	0	2	8	3	0	40982	2.382033054	-0.11823006	1.836089312	-0.064392325	0.948657841	0.998252924
chr10:93756125-93768032	exonic	BTAF1	10	93756125	93768032	0	2	0	0	1	1	11907	0.777797629	-0.117762427	3.115404592	-0.037800043	0.96984711	0.998252924
chr11:126275990-126279306	exonic	ST3GAL4	11	126275990	126279306	0	2	0	0	1	1	3316	0.777797629	-0.117762427	3.115404592	-0.037800043	0.96984711	0.998252924
chr15:31200320-31206294	exonic	FAN1	15	31200320	31206294	0	2	0	0	1	1	5974	0.777797629	-0.117762427	3.115404592	-0.037800043	0.96984711	0.998252924
chr17:60629662-60631116	exonic	TLK2	17	60629662	60631116	0	2	0	0	1	1	1454	0.777797629	-0.117762427	3.115404592	-0.037800043	0.96984711	0.998252924
chr10:5815804-5842668	exonic	GDI2	10	5815804	5842668	1	2	0	0	2	1	26864	1.027811993	-0.117335773	2.580921716	-0.04546274	0.963738473	0.998252924
chr7:104702610-104707254	exonic	KMT2E	7	104702610	104707254	1	2	0	0	2	1	4644	1.027811993	-0.117335773	2.580921716	-0.04546274	0.963738473	0.998252924
chr17:11958205-11984847	exonic	MAP2K4	17	11958205	11984847	1	1	4	1	4	2	26642	2.299197134	-0.117294242	1.710329318	-0.068579917	0.945324005	0.998252924
chr10:103384501-103436193	exonic	FBXW4	10	103384501	103436193	3	1	1	5	2	0	51692	1.532117422	-0.117203203	2.015749518	-0.058143734	0.953634139	0.998252924
chr1:155365249-155429689	exonic	ASH1L	1	155365249	155429689	3	3	0	3	1	2	64440	1.96618702	-0.116903059	1.861025337	-0.062816479	0.949912644	0.998252924
chr9:95018961-95032265	exonic	IARS	9	95018961	95032265	3	3	0	3	1	2	13304	1.96618702	-0.116903059	1.861025337	-0.062816479	0.949912644	0.998252924
chr22:40825610-40831558	exonic	MKL1	22	40825610	40831558	0	3	0	5	0	0	5948	1.054384323	-0.116343391	2.970307698	-0.039168801	NA	NA
chr4:40892380-40937156	exonic	APBB2	4	40892380	40937156	4	3	0	3	0	0	44776	1.054384323	-0.116343391	2.970307698	-0.039168801	NA	NA
chr11:12785725-12785981	exonic	TEAD1	11	12785725	12785981	2	1	1	6	0	0	256	1.267387021	-0.115999612	2.36679545	-0.049011254	NA	NA
chr2:231307651-231313865	exonic	SPI00	2	231307651	231313865	2	1	1	6	0	0	6214	1.267387021	-0.115999612	2.36679545	-0.049011254	NA	NA
chr21:42598192-42629253	exonic	BACE2	21	42598192	42629253	4	4	1	9	4	0	31061	2.851232146	-0.115992211	1.587872795	-0.073048805	0.94176728	0.998252924
chr12:27143382-27156323	exonic	TM7SF3	12	27143382	27156323	0	2	0	2	1	0	12941	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr13:100909848-100992513	exonic	PCCA	13	100909848	100992513	0	2	0	2	1	0	82665	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr13:48830312-48832372	exonic	ITM2B	13	48830312	48832372	0	2	0	2	1	0	2060	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr15:85610244-85626875	exonic	PDE8A	15	85610244	85626875	0	2	0	2	1	0	16631	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr19:44001269-44002028	exonic	PHLDB3	19	44001269	44002028	0	2	0	2	1	0	759	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr3:136162128-136192479	exonic	STAG1	3	136162128	136192479	0	2	0	2	1	0	30351	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr4:1902352-1932497	exonic	WHSC1	4	1902352	1932497	0	2	0	2	1	0	30145	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chrX:53652117-53654466	exonic	HUWE1	X	53652117	53654466	0	2	0	2	1	0	2349	0.68220179	-0.115744902	3.212018511	-0.036034942	0.971254497	0.998252924
chr16:70497071-70497677	exonic	FUK	16	70497071	70497677	5	0	5	10	5	0	606	3.299530802	-0.115378292	1.634796869	-0.070576531	0.943734789	0.998252924
chr12:51467605-51467865	exonic	CSRP2	12	51467605	51467865	6	4	3	20	0	0	260	4.189059632	-0.112489384	1.592272155	-0.070647083	NA	NA
chr17:11984672-12016677	exonic	MAP2K4	17	11984672	12016677	6	5	0	3	3	4	32005	3.560191508	-0.110293659	1.496334979	-0.073709203	0.941241776	0.998252924
chr1:155734790-155736500	exonic	GON4L	1	155734790	155736500	17	7	7	31	7	3	1710	9.861092518	-0.10963551	0.96981373	-0.113048007	NA	NA
chr22:46125304-46136418	exonic	ATXN10	22	46125304	46136418	9	3	7	11	14	1	11114	6.236620812	-0.109168611	1.12354765	-0.097164202	0.922595996	0.998252924
chr17:30310017-30315516	exonic	SUZ12	17	30310017	30315516	0	5	3	4	0	4	5499	3.121306048	-0.108956631	1.758695077	-0.061953111	0.950600172	0.998252924
chr2:95814630-95819004	exonic	ZNF514	2	95814630	95819004	6	8	6	23	8	0	4374	6.765123435	-0.108614758	1.181691416	-0.091914654	0.926765848	0.998252924
chr18:29691716-29706763	exonic	RNF138	18	29691716	29706763	2	0	2	5	1	0	15047	1.305096284	-0.106923086	2.311838229	-0.046250246	NA	NA
chr3:155547476-155551830	exonic	SLC33A1	3	155547476	155551830	2	1	5	2	10	0	4354	2.841491801	-0.104576831	1.668288487	-0.0626851	NA	NA
chr21:40600425-40601362	exonic	BRWD1	21	40600425	40601362	4	1	0	0	6	0	937	1.416388101	-0.103876492	2.456163291	-0.042292177	NA	NA

chr10:69714351-69773943	exonic	HERC4	10	69714351	69773943	1	0	3	0	6	0	59592	1.44695855	-0.10358911	2.45781624	-0.042146808	NA	NA
chr20:21319681-21324846	exonic	XRN2	20	21319681	21324846	4	0	3	6	4	0	5165	2.229732846	-0.103249222	1.85618981	-0.05562428	0.955641121	0.998252924
chr17:65941524-65943924	exonic	BPTF	17	65941524	65943924	14	19	6	23	9	11	2400	13.22548489	-0.102729478	0.870640792	-0.117992953	0.906073242	0.998252924
chr17:65941524-65944422	exonic	BPTF	17	65941524	65944422	14	19	6	23	9	11	2898	13.22548489	-0.102729478	0.870640792	-0.117992953	0.906073242	0.998252924
chr8:48308935-48320523	exonic	SPIDR	8	48308935	48320523	8	4	9	3	12	4	11588	9.496210022	-0.102427801	0.985462431	-0.103938819	0.917217901	0.998252924
chr17:11958205-11999011	exonic	MAP2K4	17	11958205	11999011	4	7	0	6	3	3	40806	3.661484767	-0.102301982	1.468050201	-0.069685616	0.944443891	0.998252924
chr12:122825299-122826244	exonic	CLIP1	12	122825299	122826244	5	9	8	15	14	2	945	7.69706101	-0.102147806	1.01925551	-0.100218057	0.920171211	0.998252924
chr1:243433406-243589860	exonic	SDCCAG8	1	243433406	243589860	2	2	0	0	1	2	156454	1.343990123	-0.10110524	2.347490948	-0.043069491	0.965646139	0.998252924
chr1:28362054-28384605	exonic	EYA3	1	28362054	28384605	2	2	0	0	1	2	22551	1.343990123	-0.10110524	2.347490948	-0.043069491	0.965646139	0.998252924
chr17:35343915-35348156	exonic	AATF	17	35343915	35348156	1	3	0	5	1	0	4241	1.304398688	-0.099973925	2.332940523	-0.042853182	NA	NA
chr2:71623270-71645769	exonic	ZNF638	2	71623270	71645769	5	3	8	6	9	4	22499	5.705903858	-0.098955011	1.134257868	-0.087242076	0.930479095	0.998252924
chr12:66603235-66611015	exonic	IRAK3	12	66603235	66611015	6	2	0	4	4	1	7780	2.340047091	-0.098703781	1.71671551	-0.057495712	0.954150321	0.998252924
chr10:22193450-22218070	exonic	DNAJC1	10	22193450	22218070	0	1	1	1	2	0	24620	0.719911053	-0.098169136	2.929027839	-0.033515945	0.973263151	0.998252924
chr2:224749364-224760347	exonic	WDFY1	2	224749364	224760347	0	1	1	1	2	0	10983	0.719911053	-0.098169136	2.929027839	-0.033515945	0.973263151	0.998252924
chr2:43625109-43657441	exonic	THADA	2	43625109	43657441	0	1	1	1	2	0	32332	0.719911053	-0.098169136	2.929027839	-0.033515945	0.973263151	0.998252924
chr1:23356961-23377013	exonic	KDM1A	1	23356961	23377013	16	30	17	26	38	13	20052	22.01561845	-0.096593547	0.727356274	-0.132800872	0.894350865	0.998252924
chr1:23356961-23380332	exonic	KDM1A	1	23356961	23380332	8	9	2	11	6	4	23371	22.01561845	-0.096593547	0.727356274	-0.132800872	0.894350865	0.998252924
chr5:56542126-56557109	exonic	GPBP1	5	56542126	56557109	2	1	0	3	1	0	14983	0.872211262	-0.096501553	2.692358189	-0.035842762	0.971407736	0.998252924
chrX:16846216-16847893	exonic	TXLNG	X	16846216	16847893	2	1	0	3	1	0	1677	0.872211262	-0.096501553	2.692358189	-0.035842762	0.971407736	0.998252924
chr17:35310185-35311207	exonic	AATF	17	35310185	35311207	11	3	2	18	4	0	1022	4.733936439	-0.096370618	1.373470539	-0.07016577	0.944061719	0.998252924
chr9:138758301-138774924	exonic	CAMSAP1	9	138758301	138774924	0	1	4	3	3	1	16623	1.953586931	-0.093622943	1.892733598	-0.049464406	NA	NA
chr9:130206308-130207528	exonic	ZNF79	9	130206308	130207528	7	2	0	4	3	2	1220	2.656225221	-0.092812964	1.640766167	-0.056566844	0.954890247	0.998252924
chr2:69583627-69590802	exonic	GFPT1	2	69583627	69590802	0	3	3	1	4	2	7175	2.321492764	-0.092112092	1.784153796	-0.051627888	NA	NA
chr10:12136071-12162266	exonic	DHTKD1	10	12136071	12162266	2	3	0	5	0	1	26195	1.620576817	-0.092083492	2.155722219	-0.042715843	0.96592805	0.998252924
chr3:179131199-179137293	exonic	GNB4	3	179131199	179137293	3	2	2	6	4	0	6094	2.252028476	-0.09106068	1.700692732	-0.053543287	0.957299042	0.998252924
chr4:153332455-153333681	exonic	FBXW7	4	153332455	153333681	76	89	101	112	203	37	1226	93.11725563	-0.09073211	0.587349242	-0.154477274	0.877233429	0.998252924
chr19:45781180-45783992	exonic	MARK4	19	45781180	45783992	7	0	1	5	5	0	2812	2.23687166	-0.090433938	1.895445905	-0.047711168	NA	NA
chr15:90984737-90986710	exonic	IQGAP1	15	90984737	90986710	5	7	5	8	6	5	1973	5.968959091	-0.089917283	1.095071553	-0.082110874	0.934558546	0.998252924
chr10:31644073-31750166	exonic	ZEB1	10	31644073	31750166	0	0	3	2	3	0	106093	1.167512112	-0.089566547	2.610497167	-0.034310149	NA	NA
chr4:151719232-151729550	exonic	LRBA	4	151719232	151729550	0	0	3	2	3	0	10318	1.167512112	-0.089566547	2.610497167	-0.034310149	NA	NA
chr9:88211276-88248289	exonic	AGTPBP1	9	88211276	88248289	0	0	3	2	3	0	37013	1.167512112	-0.089566547	2.610497167	-0.034310149	NA	NA
chr8:62593526-62596747	exonic	ASPH	8	62593526	62596747	6	30	23	10	20	26	3221	22.03672933	-0.089473517	0.912337851	-0.098070596	NA	NA
chr7:72361165-72361649	UTR5	<small>UTR5 (chr7:72361165-72361649)</small>	7	72361165	72361649	4	1	4	7	6	0	484	2.949643899	-0.088668878	1.567300831	-0.056574256	0.954884343	0.998252924
chr17:62248459-62265775	exonic	TEX2	17	62248459	62265775	3	1	0	2	3	0	17316	1.136941663	-0.088521542	2.410715257	-0.036720032	0.970708236	0.998252924
chr18:19345732-19383975	exonic	MIB1	18	19345732	19383975	3	2	0	5	0	0	38243	1.136941663	-0.088521542	2.410715257	-0.036720032	0.970708236	0.998252924

chr8:28827559-28828036	exonic	HMBOX1	8	28827559	28828036	3	1	0	2	3	0	477	1.136941663	-0.088521542	2.410715257	-0.036720032	0.970708236	0.998252924
chr9:86383732-86403593	exonic	GKAP1	9	86383732	86403593	1	2	0	0	4	0	19861	0.961648228	-0.087781695	2.828687794	-0.031032656	NA	NA
chr1:231090078-231097049	exonic	TTC13	1	231090078	231097049	11	7	6	5	19	4	6971	7.886353492	-0.08758471	1.018736677	-0.085973846	0.931487208	0.998252924
chr11:27470093-27472122	intronic	LGR4	11	27470093	27472122	0	3	0	0	0	2	2029	1.139264615	-0.08580799	2.944956965	-0.029137264	NA	NA
chr15:82152167-82218366	intergenic	<small>TMC3-AS1 (dist=416750), MEX3B (dist=115753)</small>	15	82152167	82218366	0	3	0	0	0	2	66199	1.139264615	-0.08580799	2.944956965	-0.029137264	NA	NA
chr22:24491893-24530382	exonic	CABIN1	22	24491893	24530382	0	3	0	0	0	2	38489	1.139264615	-0.08580799	2.944956965	-0.029137264	NA	NA
chr4:153253747-153259088	exonic	FBXW7	4	153253747	153259088	0	3	0	0	0	2	5341	1.139264615	-0.08580799	2.944956965	-0.029137264	NA	NA
chr22:41521867-41536261	exonic	EP300	22	41521867	41536261	4	3	0	3	4	1	14394	2.15003762	-0.085373764	1.762298591	-0.048444551	0.961361955	0.998252924
chr2:72945231-72960247	exonic	EXOC6B	2	72945231	72960247	19	7	6	23	14	3	15016	9.91849825	-0.08501795	0.928954776	-0.09152001	0.927079408	0.998252924
chr8:42878257-42878690	UTR3	<small>H00K3 (NM_032410:c.4616_5049delins0)</small>	8	42878257	42878690	3	3	5	7	3	3	433	3.928051141	-0.082631095	1.306570084	-0.063242758	0.949573197	0.998252924
chr18:76856475-76914555	exonic	ATP9B	18	76856475	76914555	9	2	0	4	3	3	58080	3.222417716	-0.081631618	1.552899326	-0.052567231	0.958076727	0.998252924
chr1:118035768-118045592	exonic	MAN1A2	1	118035768	118045592	2	0	0	0	2	0	9824	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr1:26299048-26311019	exonic	PAFAH2	1	26299048	26311019	2	0	0	0	2	0	11971	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr10:103557736-103573363	exonic	MGEA5	10	103557736	103573363	2	0	0	0	2	0	15627	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr10:11893995-11894214	exonic	PROSER2	10	11893995	11894214	2	0	0	0	2	0	219	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr10:27301810-27306721	exonic	ANKRD26	10	27301810	27306721	2	0	0	0	2	0	4911	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr11:213418-214208	exonic	RTC8A	11	213418	214208	2	0	0	0	2	0	790	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr11:3521696-3522511	intergenic	<small>TSSC2 (dist=91318), LOC101927708 (dist=6699)</small>	11	3521696	3522511	2	0	0	0	2	0	815	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr11:66583523-66595835	exonic	C11orf80	11	66583523	66595835	2	0	0	0	2	0	12312	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr13:103275226-103280274	exonic	TPP2	13	103275226	103280274	2	0	0	0	2	0	5048	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr13:20304378-20356931	exonic	PSPC1	13	20304378	20356931	2	0	0	0	2	0	52553	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr14:23375403-23378804	exonic	RBM23	14	23375403	23378804	2	0	0	0	2	0	3401	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr14:71880665-71979562	ncRNA_exonic	LOC145474	14	71880665	71979562	2	0	0	0	2	0	98897	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:25638893-25660989	exonic	UBE3A	15	25638893	25660989	2	0	0	0	2	0	22096	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:25650608-25671366	exonic	UBE3A	15	25650608	25671366	2	0	0	0	2	0	20758	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:56665638-56704634	exonic	TEX9	15	56665638	56704634	2	0	0	0	2	0	38996	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:63845913-63866602	exonic	USP3	15	63845913	63866602	2	0	0	0	2	0	20689	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:72283443-72286926	exonic	MYO9A	15	72283443	72286926	2	0	0	0	2	0	3483	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:93496586-93536228	exonic	CHD2	15	93496586	93536228	2	0	0	0	2	0	39642	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr15:94910833-94945248	exonic	MCTP2	15	94910833	94945248	2	0	0	0	2	0	34415	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr17:55191819-55193622	exonic	AKAP1	17	55191819	55193622	2	0	0	0	2	0	1803	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr17:58348710-58366043	exonic	USP32	17	58348710	58366043	2	0	0	0	2	0	17333	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr18:19358063-19359646	exonic	MIB1	18	19358063	19359646	2	0	0	0	2	0	1583	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr19:24288741-24289445	exonic	ZNF254	19	24288741	24289445	2	0	0	0	2	0	704	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr2:113057425-113069514	exonic	ZC3H6	2	113057425	113069514	2	0	0	0	2	0	12089	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924

chr2:174987907-175006728	exonic	OLA1	2	174987907	175006728	2	0	0	0	2	0	18821	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr2:207013743-207018406	exonic	NDUFS1	2	207013743	207018406	2	0	0	0	2	0	4663	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr3:38103659-38105410	exonic	DLEC1	3	38103659	38105410	2	0	0	0	2	0	1751	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr3:42226176-42230616	exonic	TRAK1	3	42226176	42230616	2	0	0	0	2	0	4440	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr3:89456418-89468540	exonic	EPHA3	3	89456418	89468540	2	0	0	0	2	0	12122	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr4:103635595-103657592	exonic	MANBA	4	103635595	103657592	2	0	0	0	2	0	21997	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr6:160015135-160016236	intergenic	LOC102724053 (dist=197662), S002 (dist=83913)	6	160015135	160016236	2	0	0	0	2	0	1101	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr7:40027197-40037263	exonic	CDK13	7	40027197	40037263	2	0	0	0	2	0	10066	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr7:40027197-40039099	exonic	CDK13	7	40027197	40039099	2	0	0	0	2	0	11902	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr8:141799573-141840625	exonic	PTK2	8	141799573	141840625	2	0	0	0	2	0	41052	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chrX:110385323-110416309	exonic	PAK3	X	110385323	110416309	2	0	0	0	2	0	30986	0.500028729	-0.081283638	3.945551474	-0.020601338	0.983563674	0.998252924
chr3:63898263-63898901	exonic	ATXN7	3	63898263	63898901	25	10	13	59	12	0	638	15.25662968	-0.080891968	1.025203437	-0.078903333	NA	NA
chr2:58449076-58459247	exonic	FANCL	2	58449076	58459247	25	7	15	36	17	6	10171	15.13762723	-0.080743174	0.820793529	-0.098372089	NA	NA
chr16:3586122-3586994	exonic	CLUAP1	16	3586122	3586994	5	0	0	4	2	0	872	1.312235098	-0.078846113	2.475248595	-0.031853816	NA	NA
chr6:146185524-146216113	exonic	SHPRH	6	146185524	146216113	3	2	4	5	8	0	30589	3.024364829	-0.078550031	1.537332726	-0.05109501	0.959249812	0.998252924
chr15:25650607-25657118	exonic	UBE3A	15	25650607	25657118	25	15	21	33	48	3	6511	20.22370787	-0.078027328	0.796941229	-0.097908509	0.922004943	0.998252924
chr19:12790270-12791139	exonic	DHPS	19	12790270	12791139	4	0	0	5	0	0	869	1.047504697	-0.076706018	2.961640538	-0.025899841	NA	NA
chr2:32602655-32631625	exonic	BIRC6	2	32602655	32631625	4	6	0	2	7	2	28970	3.237854506	-0.076606214	1.549430125	-0.049441542	0.960567423	0.998252924
chr8:68018139-68028357	exonic	CSPP1	8	68018139	68028357	9	3	0	9	2	2	10218	3.49900441	-0.075679553	1.512878125	-0.050023563	0.960103612	0.998252924
chr7:139083344-139094400	exonic	C7orf55-LUC7L2, LUC7L2	7	139083344	139094400	2	5	0	6	4	0	11056	2.251330879	-0.073396753	1.867291265	-0.039306537	0.968645995	0.998252924
chr11:108098321-108106561	exonic	ATM	11	108098321	108106561	7	0	4	8	7	0	8240	3.389667735	-0.072954107	1.611881062	-0.04526023	NA	NA
chr1:155644800-155649303	exonic	YY1AP1	1	155644800	155649303	18	10	4	19	15	4	4503	9.921801143	-0.070162366	0.920899694	-0.076188934	0.939268786	0.998252924
chr1:155644800-155650247	exonic	YY1AP1	1	155644800	155650247	18	10	4	19	15	4	5447	9.921801143	-0.070162366	0.920899694	-0.076188934	0.939268786	0.998252924
chr17:65941524-65972074	exonic	BPTF	17	65941524	65972074	65	25	14	54	56	12	30550	31.71978634	-0.069205366	0.6914736	-0.100083888	0.920277727	0.998252924
chr16:30507417-30507887	exonic	ITGAL	16	30507417	30507887	9	2	4	17	4	0	470	4.58991342	-0.068857202	1.370144057	-0.050255447	0.959918827	0.998252924
chr1:200729966-200784772	exonic	CAMSAP2	1	200729966	200784772	0	4	3	7	2	1	54806	2.583363421	-0.068582043	1.698265837	-0.040383573	NA	NA
chr1:171492359-171502100	exonic	PRRC2C	1	171492359	171502100	4	1	5	6	3	3	9741	5.214852285	-0.068082992	1.219347961	-0.055835573	0.955472796	0.998252924
chr9:33948371-33956144	exonic	UBAP2	9	33948371	33956144	8	7	0	7	4	4	7773	4.712989954	-0.0667519	1.337462472	-0.049909363	NA	NA
chr13:46090277-46099186	exonic	COG3	13	46090277	46099186	0	3	1	2	4	0	8909	1.41682888	-0.064973636	2.247932539	-0.028903731	0.97694137	0.998252924
chr9:5968018-5969436	exonic	KIAA2026	9	5968018	5969436	2	0	2	6	0	0	1418	1.290380247	-0.06464957	2.519049625	-0.02566427	NA	NA
chr3:48726970-48728915	exonic	IP6K2	3	48726970	48728915	1	0	2	0	0	2	1945	1.139962211	-0.06252061	2.721484397	-0.022972981	0.981671825	0.998252924
chr3:49372453-49373029	exonic	USP4	3	49372453	49373029	0	4	0	3	3	0	576	1.379119617	-0.061859778	2.443585973	-0.025315163	NA	NA
chr1:155631098-155743001	exonic	DAP3, GON4L, YY1AP1	1	155631098	155743001	0	2	0	3	0	0	111903	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr1:168007608-168014465	exonic	DCAF6	1	168007608	168014465	0	2	0	3	0	0	6857	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr1:200729966-200801469	exonic	CAMSAP2	1	200729966	200801469	0	2	0	3	0	0	71503	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA

chr1:39904663-39905372	exonic	MACF1	1	39904663	39905372	0	2	0	3	0	0	709	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr12:122380439-122386967	exonic	WDR66	12	122380439	122386967	0	2	0	3	0	0	6528	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr14:45481177-45501579	exonic	FAM179B	14	45481177	45501579	0	2	0	3	0	0	20402	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr16:68893786-68896964	exonic	TANGO6	16	68893786	68896964	0	2	0	3	0	0	3178	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr16:71186561-71220821	exonic	HYDIN	16	71186561	71220821	0	2	0	3	0	0	34260	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr17:58700881-58725443	exonic	PPM1D	17	58700881	58725443	0	2	0	3	0	0	24562	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr18:13438243-13484118	exonic	LDLRAD4	18	13438243	13484118	0	2	0	3	0	0	45875	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr19:11527287-11527733	exonic	RGL3	19	11527287	11527733	0	2	0	3	0	0	446	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr2:68368825-68374699	exonic	WDR92	2	68368825	68374699	0	2	0	3	0	0	5874	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr20:39896103-39897723	UTR5	ZHX3(NM_015035:c.-64074_-64167delins0)	20	39896103	39897723	0	2	0	3	0	0	1620	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr4:57237616-57250507	exonic	AASDH	4	57237616	57250507	0	2	0	3	0	0	12891	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr5:132034863-132046749	exonic	KIF3A	5	132034863	132046749	0	2	0	3	0	0	11886	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr6:170162524-170169809	exonic	ERMARD	6	170162524	170169809	0	2	0	3	0	0	7285	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr7:31848644-31855768	exonic	PDE1C	7	31848644	31855768	0	2	0	3	0	0	7124	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr9:115171186-115216442	exonic	HSDL2	9	115171186	115216442	0	2	0	3	0	0	45256	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chrX:117528017-117538407	exonic	WDR44	X	117528017	117538407	0	2	0	3	0	0	10390	0.667485754	-0.06161524	3.530169569	-0.017453904	NA	NA
chr14:37754522-37777724	exonic	MIPOL1	14	37754522	37777724	0	3	1	3	1	1	23202	1.468276609	-0.061161226	2.113004219	-0.028945151	0.976908335	0.998252924
chr3:3195107-3215945	exonic	CRBN	3	3195107	3215945	7	3	2	9	7	0	20838	3.624268467	-0.060936472	1.430927704	-0.042585291	0.966032121	0.998252924
chr14:75576387-75577074	exonic	NEK9	14	75576387	75577074	2	4	2	10	2	0	687	2.654783828	-0.060604039	1.651889273	-0.036687713	NA	NA
chr8:48196616-48206619	exonic	SPIDR	8	48196616	48206619	1	2	0	1	3	0	10003	0.946932191	-0.060312644	2.621561729	-0.023006379	0.981645184	0.998252924
chr15:64791492-64792365	exonic	ZNF609	15	64791492	64792365	106	43	45	152	70	21	873	61.1474223	-0.059605238	0.614361977	-0.097019738	NA	NA
chr5:60768507-60768864	exonic	ZSWIM6	5	60768507	60768864	3	0	5	8	4	0	357	2.707906724	-0.058763538	1.755421237	-0.033475463	0.973295433	0.998252924
chr2:61339657-61345251	exonic	KIAA1841	2	61339657	61345251	12	6	4	32	0	0	5594	6.784538535	-0.058370188	1.432162303	-0.040756685	NA	NA
chr1:151139409-151139890	exonic	SCNM1, TNFAIP8L2-SCNM1	1	151139409	151139890	5	4	4	9	3	3	481	4.37565457	-0.057893485	1.237904856	-0.046767314	0.96269868	0.998252924
chr13:30854199-30857928	exonic	KATNAL1	13	30854199	30857928	3	1	0	3	2	0	3729	1.122225626	-0.057722912	2.420057278	-0.023851878	0.980970759	0.998252924
chr1:226175596-226176089	exonic	SDE2	1	226175596	226176089	0	0	3	3	2	0	493	1.152796076	-0.057404273	2.620685437	-0.021904297	NA	NA
chr22:44107354-44168983	exonic	EFCAB6	22	44107354	44168983	0	1	1	2	1	0	61629	0.705195017	-0.055802434	2.947607658	-0.018931432	0.984895805	0.998252924
chr2:26292443-26292669	intronic	RAB10	2	26292443	26292669	4	3	4	4	7	2	226	3.716725981	-0.054871056	1.314001624	-0.041758743	0.966691025	0.998252924
chr22:41738532-41739580	exonic	ZC3H7B	22	41738532	41739580	4	2	1	3	6	0	1048	2.106867081	-0.052351431	1.773919555	-0.029511728	0.976456466	0.998252924
chr5:132426884-132428481	exonic	HSPA4	5	132426884	132428481	1	2	4	1	5	2	1597	2.594500355	-0.052134749	1.619687619	-0.032188151	0.974322006	0.998252924
chr12:50821544-50822873	exonic	LARP4	12	50821544	50822873	0	3	3	0	9	0	1329	2.20388127	-0.052087825	2.124363438	-0.024519262	NA	NA
chr2:232879544-232880381	exonic	DIS3L2	2	232879544	232880381	2	1	0	4	0	0	837	0.857495225	-0.049967581	2.939706645	-0.016997472	NA	NA
chr3:196533449-196534785	exonic	PAK2	3	196533449	196534785	2	1	0	4	0	0	1336	0.857495225	-0.049967581	2.939706645	-0.016997472	NA	NA
chr3:3178943-3186394	exonic	TRNT1	3	3178943	3186394	0	0	6	5	5	0	7451	2.320308188	-0.049700422	2.059216201	-0.024135602	NA	NA
chr9:138773478-138774924	exonic	CAMSAP1	9	138773478	138774924	31	23	27	71	29	8	1446	26.85685474	-0.049567785	0.707449947	-0.07006543	NA	NA

chr7:82763565-82764972	exonic	PCLO	7	82763565	82764972	2	5	0	1	2	3	1407	2.402374936	-0.048801504	1.786445929	-0.02731765	0.97820638	0.998252924
chr11:85685750-85695016	exonic	PICALM	11	85685750	85695016	3	4	3	5	9	0	9266	3.296674823	-0.048392073	1.482367235	-0.032645131	0.97395758	0.998252924
chr8:109462051-109468159	exonic	EMC2	8	109462051	109468159	10	4	9	7	20	2	6108	7.543559203	-0.048247221	1.058201928	-0.045593586	NA	NA
chr14:104219336-104220581	exonic	PPP1R13B	14	104219336	104220581	3	0	1	2	3	0	1245	1.15993489	-0.046784893	2.39630071	-0.019523799	0.984423252	0.998252924
chr17:62747924-62760666	ncRNA_exonic	LOC146880	17	62747924	62760666	3	0	1	2	3	0	12742	1.15993489	-0.046784893	2.39630071	-0.019523799	0.984423252	0.998252924
chr17:37840849-37842272	exonic	PGAP3	17	37840849	37842272	4	3	5	7	10	0	1423	3.97957421	-0.045372741	1.383891535	-0.032786342	0.97384497	0.998252924
chr1:9991948-9994918	exonic	LZIC	1	9991948	9994918	6	15	5	14	10	6	2970	8.922349033	-0.045058225	0.971470599	-0.04638146	NA	NA
chr9:16727794-16738483	exonic	BNC2	9	16727794	16738483	5	3	7	8	9	2	10689	5.104820385	-0.045038198	1.170974504	-0.03846215	0.969319209	0.998252924
chr13:77589543-77595996	exonic	FBXL3	13	77589543	77595996	4	1	0	3	1	1	6453	1.438403756	-0.044819886	2.106315314	-0.021278811	0.983023246	0.998252924
chr1:215749243-215752480	exonic	KCTD3	1	215749243	215752480	0	0	2	0	3	0	3237	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr10:26789747-26792203	exonic	APBB1IP	10	26789747	26792203	0	0	2	0	3	0	2456	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr10:77673123-77674988	intronic	C10orf11	10	77673123	77674988	0	0	2	0	3	0	1865	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr11:6953325-6977013	exonic	ZNF215	11	6953325	6977013	0	0	2	0	3	0	23688	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr14:36244211-36244951	exonic	RALGAPA1	14	36244211	36244951	0	0	2	0	3	0	740	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr16:16101672-16180848	exonic	ABCC1	16	16101672	16180848	0	0	2	0	3	0	79176	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr18:9182379-9211782	exonic	ANKRD12	18	9182379	9211782	0	0	2	0	3	0	29403	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr19:53883975-53887309	ncRNA_exonic	ZNF525	19	53883975	53887309	0	0	2	0	3	0	3334	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr20:30115287-30115853	exonic	HM13	20	30115287	30115853	0	0	2	0	3	0	566	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr20:37159809-37161502	exonic	RALGAPB	20	37159809	37161502	0	0	2	0	3	0	1693	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr6:32024363-32029497	exonic	TNXB	6	32024363	32029497	0	0	2	0	3	0	5134	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr8:81411728-81412617	exonic	ZBTB10	8	81411728	81412617	0	0	2	0	3	0	889	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr8:99055650-99056080	intronic	RPL30	8	99055650	99056080	0	0	2	0	3	0	430	0.757620316	-0.044698151	3.374543905	-0.013245687	NA	NA
chr3:43341245-43345284	exonic	SNRK	3	43341245	43345284	6	3	13	27	5	1	4039	7.645009502	-0.044219881	1.155039243	-0.038284311	NA	NA
chr17:76388556-76395618	exonic	PGS1	17	76388556	76395618	4	0	0	0	0	2	7062	1.132384989	-0.044037172	2.93578789	-0.01500012	NA	NA
chr6:90432673-90435115	exonic	MDN1	6	90432673	90435115	4	0	0	0	0	2	2442	1.132384989	-0.044037172	2.93578789	-0.01500012	NA	NA
chr15:44624185-44630515	exonic	CASC4	15	44624185	44630515	4	7	7	4	15	3	6330	6.282074237	-0.043875076	1.124428911	-0.039019875	0.968874543	0.998252924
chr8:38153313-38157108	exonic	WHSC1L1	8	38153313	38157108	2	0	1	3	1	0	3795	0.895204488	-0.043067478	2.669954079	-0.016130419	0.987130346	0.998252924
chr8:38801306-38803739	exonic	PLEKHA2	8	38801306	38803739	2	0	1	3	1	0	2433	0.895204488	-0.043067478	2.669954079	-0.016130419	0.987130346	0.998252924
chr19:14568842-14569187	exonic	PKN1	19	14568842	14569187	13	0	1	18	0	0	345	3.787704214	-0.042449937	3.13315844	-0.013548608	NA	NA
chr6:30638186-30639051	exonic	DHX16	6	30638186	30639051	4	5	4	14	5	0	865	4.26989937	-0.042150882	1.35844452	-0.031028785	0.975246584	0.998252924
chr7:2269618-2270362	exonic	MAD1L1	7	2269618	2270362	3	2	1	5	1	1	744	1.893584408	-0.041176731	1.776882019	-0.023173588	0.981511807	0.998252924
chr7:140301202-140302342	exonic	DENND2A	7	140301202	140302342	1	4	2	11	0	0	1140	2.390053427	-0.040001468	1.920244214	-0.020831448	NA	NA
chr22:47370185-47393605	exonic	TBC1D22A	22	47370185	47393605	0	3	1	3	3	0	23420	1.402112844	-0.039829354	2.245927196	-0.017734036	0.985851028	0.998252924
chr4:95494501-95507595	exonic	PDLIM5	4	95494501	95507595	10	6	10	18	10	4	13094	8.664968063	-0.038727141	0.947116204	-0.040889535	0.967383396	0.998252924
chr13:21742126-21742538	exonic	SKA3	13	21742126	21742538	0	3	2	1	0	3	412	1.94833266	-0.037258826	2.093905326	-0.01779394	NA	NA

chr3:51575514-51586079	UTR5	RAD54L2(NM_015106:c.-48841_-48771delins0)	3	51575514	51586079	21	9	14	28	33	0	10565	14.00959805	-0.036856114	0.980213667	-0.037600081	0.970006543	0.998252924
chr5:14316621-14336836	exonic	TRIO	5	14316621	14336836	0	4	0	4	2	0	20215	1.36440358	-0.034279602	2.459363228	-0.013938406	NA	NA
chr13:47297355-47308133	exonic	LRCH1	13	47297355	47308133	4	1	4	11	2	0	10778	2.890779752	-0.033892946	1.624398453	-0.020864922	NA	NA
chr18:45394693-45423180	exonic	SMAD2	18	45394693	45423180	23	19	0	21	8	11	28487	12.86910303	-0.031719676	1.062186228	-0.029862631	0.976176608	0.998252924
chr5:72370568-72373320	exonic	FCH02	5	72370568	72373320	29	28	26	52	50	7	2752	27.48643176	-0.031094198	0.690386577	-0.045038822	0.964076365	0.998252924
chr9:111795586-111826847	exonic	TMEM245	9	111795586	111826847	0	1	1	0	1	1	31261	0.800790855	-0.030806952	2.875362405	-0.010714111	0.99145154	0.998252924
chr3:130649259-130660543	exonic	ATP2C1	3	130649259	130660543	10	2	0	13	2	0	11284	3.262523876	-0.030793106	1.71059155	-0.018001437	NA	NA
chrX:76907603-76912143	exonic	ATRX	X	76907603	76912143	19	4	4	24	11	0	4540	7.819706095	-0.029783876	1.167128678	-0.025518931	0.979641049	0.998252924
chr12:95646649-95648217	intronic	VEZT	12	95646649	95648217	0	5	0	0	0	3	1568	1.796034822	-0.029543013	3.832331826	-0.007708887	NA	NA
chr16:30740286-30740893	exonic	SRCAP	16	30740286	30740893	13	7	7	26	7	2	607	8.505369212	-0.029347808	1.006807457	-0.029149375	NA	NA
chr12:459786-475270	exonic	KDM5A	12	459786	475270	5	0	1	3	0	2	15484	1.777575112	-0.027975904	2.107164451	-0.013276564	0.989407146	0.998252924
chr10:6001716-6008302	exonic	IL15RA	10	6001716	6008302	0	0	4	7	0	0	6586	1.533255798	-0.026262228	2.615377222	-0.010041468	NA	NA
chr17:49340634-49346265	exonic	UTP18	17	49340634	49346265	17	7	11	24	17	3	5631	11.11626314	-0.026157828	0.887077224	-0.029487656	0.976475664	0.998252924
chr8:42183487-42186732	exonic	IKBKB	8	42183487	42186732	3	1	0	4	1	0	3245	1.10750959	-0.025182107	2.458579215	-0.010242545	0.991827775	0.998252924
chrX:77270158-77275895	exonic	ATP7A	X	77270158	77275895	2	0	3	3	4	0	5737	1.652824805	-0.024806374	2.086302239	-0.011890115	0.990513284	0.998252924
chrX:77270158-77276576	exonic	ATP7A	X	77270158	77276576	2	0	3	3	4	0	6418	1.652824805	-0.024806374	2.086302239	-0.011890115	0.990513284	0.998252924
chrX:147743428-147744289	exonic	AFF2	X	147743428	147744289	13	8	5	28	8	0	861	8.002319935	-0.024603359	1.136321212	-0.021651764	0.982725741	0.998252924
chr1:67423741-67428843	exonic	MIER1	1	67423741	67428843	10	13	9	21	13	5	5102	10.67786466	-0.023985872	0.87451887	-0.027427507	0.978118759	0.998252924
chr10:105382227-105420872	exonic	SH3PXD2A	10	105382227	105420872	38	13	8	51	6	9	38645	17.66725407	-0.023962659	0.888324689	-0.026975114	0.978479583	0.998252924
chr16:72122885-72124685	exonic	TXNL4B	16	72122885	72124685	4	0	1	2	4	0	1800	1.409949254	-0.023518899	2.233227358	-0.01053135	0.991597354	0.998252924
chr10:123298105-123324093	exonic	FGFR2	10	123298105	123324093	3	2	0	2	0	2	25988	1.564572414	-0.022426943	2.185211213	-0.010263055	0.991811411	0.998252924
chr10:123298105-123325218	exonic	FGFR2	10	123298105	123325218	3	2	0	2	0	2	27113	1.564572414	-0.022426943	2.185211213	-0.010263055	0.991811411	0.998252924
chr5:170818308-170819982	exonic	NPM1	5	170818308	170819982	7	4	0	9	5	0	1674	3.161951371	-0.022366171	1.644548454	-0.01360019	0.989148953	0.998252924
chr12:32751430-32764217	exonic	FGD4	12	32751430	32764217	8	19	8	14	13	10	12787	12.06518989	-0.021076767	0.888755361	-0.023714925	NA	NA
chr2:122514815-122519100	exonic	TSN	2	122514815	122519100	2	0	7	10	4	0	4285	3.186080603	-0.021039525	1.704417083	-0.012344118	0.990151069	0.998252924
chr5:138699447-138700432	exonic	PAIP2	5	138699447	138700432	7	5	7	11	13	1	985	6.206171102	-0.020210719	1.105830694	-0.018276504	0.985418272	0.998252924
chr17:62289933-62291602	exonic	TEX2	17	62289933	62291602	3	4	2	3	9	0	1669	2.886783027	-0.019201312	1.578612536	-0.01216341	0.990295242	0.998252924
chr2:10559859-10560261	exonic	HPCAL1	2	10559859	10560261	3	1	6	12	3	0	402	3.383669668	-0.018595097	1.550089255	-0.011996146	0.99042869	0.998252924
chr1:180793888-180794480	exonic	XPR1	1	180793888	180794480	2	0	0	1	1	0	592	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924
chr1:223163966-223165452	exonic	DISP1	1	223163966	223165452	2	0	0	1	1	0	1486	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924
chr10:46121398-46135411	exonic	ZFAND4	10	46121398	46135411	2	0	0	1	1	0	14013	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924
chr14:21870115-21871822	exonic	CHD8	14	21870115	21871822	2	0	0	1	1	0	1707	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924
chr14:50600840-50616948	exonic	SOS2	14	50600840	50616948	2	0	0	1	1	0	16108	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924
chr19:4202022-4202923	exonic	ANKRD24	19	4202022	4202923	2	0	0	1	1	0	901	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924
chr20:50329504-50346517	exonic	ATP9A	20	50329504	50346517	2	0	0	1	1	0	17013	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924

chr3:184654033-184675309	exonic	VPS8	3	184654033	184675309	2	0	0	1	1	0	21276	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924	
chr4:169812072-169825057	exonic	PALLD	4	169812072	169825057	2	0	0	1	1	0	12985	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924	
chr6:146240483-146254314	exonic	SHPRH	6	146240483	146254314	2	0	0	1	1	0	13831	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924	
chr9:96827015-96850545	exonic	PTPCD1	9	96827015	96850545	2	0	0	1	1	0	23530	0.485312693	-0.018143436	3.659523969	-0.004957868	0.99604421	0.998252924	
chr2:8910799-8917022	exonic	KIDINS220	2	8910799	8917022	3	1	4	4	7	0	6223	2.622750223	-0.017525184	1.646522415	-0.010643757	0.991507671	0.998252924	
chr10:104853728-104854212	exonic	NT5C2	10	104853728	104854212	0	0	2	1	2	0	484	0.74290428	-0.016758847	3.118767637	-0.005373548	0.99571255	0.998252924	
chr10:16794537-16824083	exonic	RSU1	10	16794537	16824083	0	0	2	1	2	0	29546	0.74290428	-0.016758847	3.118767637	-0.005373548	0.99571255	0.998252924	
chr2:109356944-109370019	exonic	RANBP2	2	109356944	109370019	0	0	2	1	2	0	13075	0.74290428	-0.016758847	3.118767637	-0.005373548	0.99571255	0.998252924	
chr4:2956150-2958538	exonic	NOP14	4	2956150	2958538	0	0	2	1	2	0	2388	0.74290428	-0.016758847	3.118767637	-0.005373548	0.99571255	0.998252924	
chrX:118763280-118767455	exonic			6-Sep X	118763280	118767455	0	0	2	1	2	0	4175	0.74290428	-0.016758847	3.118767637	-0.005373548	0.99571255	0.998252924
chr7:128845043-128846428	exonic	SMO	7	128845043	128846428	5	2	2	1	4	3	1385	2.903101262	-0.015743778	1.521296753	-0.01034892	0.991742904	0.998252924	
chr2:211018218-211019335	exonic	KANSL1L	2	211018218	211019335	8	8	2	13	11	0	1117	5.533989633	-0.015116068	1.254572823	-0.012048776	0.9903867	0.998252924	
chr12:100676720-100691953	exonic	SCYL2	12	100676720	100691953	6	6	0	5	8	1	15233	3.62757136	-0.013608476	1.473560396	-0.009235099	0.992631562	0.998252924	
chr22:24698162-24709434	exonic	SPECC1L	22	24698162	24709434	9	7	2	11	6	3	11272	5.595596723	-0.013343814	1.133638927	-0.01177078	0.990608493	0.998252924	
chr14:71511849-71524441	exonic	PCNX	14	71511849	71524441	4	0	1	3	1	1	12592	1.461396983	-0.011083215	2.097781921	-0.005283302	0.995784555	0.998252924	
chr7:151932901-151948051	exonic	KMT2C	7	151932901	151948051	2	3	0	7	0	0	15150	1.524980979	-0.010896917	2.370085853	-0.004597689	0.996331588	0.998252924	
chr13:100909848-100925600	exonic	PCCA	13	100909848	100925600	8	4	1	14	3	0	15752	3.777709422	-0.010869766	1.482189722	-0.007333586	NA	NA	
chr1:1572770-1635783	exonic	CDK11A, CDK11B, SLC35E2B	1	1572770	1635783	0	0	5	0	8	0	63013	1.954564502	-0.009273563	3.821328557	-0.00242679	NA	NA	
chr10:12021055-12056183	exonic	UPF2	10	12021055	12056183	2	2	0	2	1	1	35128	1.248394285	-0.008958803	2.209313029	-0.004055017	0.996764573	0.998252924	
chr5:138145726-138147991	exonic	CTNNA1	5	138145726	138147991	1	1	1	1	1	1	2265	1.036089183	-0.008585885	2.288719084	-0.003751393	0.997006828	0.998326868	
chr1:246790658-246795226	exonic	CNST	1	246790658	246795226	6	0	3	5	0	3	4568	2.821941485	-0.007775795	1.778608782	-0.004371841	0.996511787	0.998252924	
chr17:37864573-37866734	exonic	ERBB2	17	37864573	37866734	4	1	0	4	2	0	2161	1.357523954	-0.006449687	2.256727393	-0.002857982	0.997719663	0.998525843	
chr9:136277418-136278041	exonic	REXO4	9	136277418	136278041	6	4	7	15	9	0	623	5.535825605	-0.004375375	1.236852724	-0.003537507	0.997177484	0.998403328	
chr16:3900297-3901010	exonic	CREBBP	16	3900297	3901010	10	7	2	12	6	3	713	5.830895051	-0.003132515	1.121495785	-0.002793158	0.997771385	0.998525843	
chr6:144858717-144864006	exonic	UTRN	6	144858717	144864006	3	8	5	15	6	1	5289	5.396566265	-0.002641944	1.199902027	-0.0022018	0.998243219	0.998809224	
chr20:35409862-35410350	intronic	SOGA1	20	35409862	35410350	3	4	5	11	2	2	488	4.09832645	-0.002580979	1.313884753	-0.001964388	0.998432646	0.998849256	
chr4:73956383-73958017	exonic	ANKRD17	4	73956383	73958017	20	29	21	23	35	17	1634	23.69722454	-0.002120226	0.710577366	-0.002983808	0.997619269	0.998525843	
chr2:197084762-197085665	exonic	HECW2	2	197084762	197085665	0	5	0	8	0	0	903	1.721870077	-0.001591121	3.833369932	-0.000415071	NA	NA	
chr7:6854394-6864368	exonic	CCZ1B	7	6854394	6864368	7	3	0	0	5	3	9974	2.955528932	-0.00117557	1.756653271	-0.00066921	0.999466048	0.999560453	
chr10:95790439-95792009	exonic	PLCE1	10	95790439	95792009	3	3	3	12	1	0	1570	2.898359346	-0.00081351	1.631039491	-0.000498768	NA	NA	
chr3:169694733-169706147	exonic	SEC62	3	169694733	169706147	3	8	2	3	10	1	11414	7.975494553	0.000198217	1.064127388	0.000186272	0.999851376	0.999851376	
chr21:16386664-16415895	UTR5	<small>NR1P1 (NM_003489;c.-75180_-75382del1ins0)</small>	21	16386664	16415895	8	7	3	9	8	3	29231	5.693310879	0.001409841	1.102266873	0.001279038	0.998979476	0.999262607	
chr1:58992932-59004982	exonic	OMA1	1	58992932	59004982	2	3	1	4	4	0	12050	1.887425536	0.001755852	1.841647447	0.000953414	0.999239286	0.999428071	
chr1:161138782-161139814	exonic	PPOX	1	161138782	161139814	0	1	1	3	0	0	1032	0.69047898	0.00189232	3.215507775	0.000588498	NA	NA	
chr17:59112026-59161925	exonic	BCAS3	17	59112026	59161925	0	1	1	3	0	0	49899	0.69047898	0.00189232	3.215507775	0.000588498	NA	NA	

chr6:43514307-43516197	exonic	XPO5	6	43514307	43516197	0	1	1	3	0	0	1890	0.69047898	0.00189232	3.215507775	0.000588498	NA	NA
chr2:242346951-242352836	exonic	FARP2	2	242346951	242352836	4	2	0	2	1	2	5885	1.814586779	0.003694981	1.929307379	0.001915185	0.998471904	0.998849256
chr21:36206706-36231875	exonic	RUNX1	21	36206706	36231875	0	5	7	4	3	5	25169	4.581683024	0.004176667	1.425157887	0.002930669	0.997661667	0.998525843
chr2:240929490-240954277	exonic	NDUFA10	2	240929490	240954277	2	2	1	8	3	0	24787	1.335669104	0.004390602	2.332650739	0.001882237	NA	NA
chrX:84322132-84329397	exonic	APOOL	X	84322132	84329397	2	2	4	4	5	1	7265	2.734202844	0.004567761	1.513050033	0.003018909	0.997591263	0.998525843
chr17:48814320-48819092	exonic	LUC7L3	17	48814320	48819092	1	4	2	6	4	0	4772	2.342606188	0.004579447	1.718658065	0.002664548	0.997874001	0.998534158
chr16:57197912-57207781	exonic	FAM192A	16	57197912	57207781	18	1	5	27	4	0	9869	6.836902983	0.005523679	1.322766517	0.004175854	0.99666816	0.998252924
chr7:158580694-158591763	exonic	ESYT2	7	158580694	158591763	16	11	9	10	17	9	11069	11.65079361	0.005666084	0.861606971	0.006576182	0.994753004	0.998252924
chr7:101870646-101870949	exonic	CUX1	7	101870646	101870949	22	7	9	26	10	6	303	11.65674645	0.005893015	0.879180709	0.006702848	0.994651941	0.998252924
chr7:128655032-128658211	exonic	TNPO3	7	128655032	128658211	11	8	5	8	10	6	3179	7.709484843	0.006662451	0.988085416	0.006742788	0.994620074	0.998252924
chr14:23378691-23380612	exonic	RBM23	14	23378691	23380612	7	8	4	12	7	3	1921	6.133775495	0.006760072	1.0725185	0.006302989	0.994970976	0.998252924
chr17:59152280-59161925	exonic	BCAS3	17	59152280	59161925	5	1	0	5	0	1	9645	1.658986048	0.008554065	2.158966325	0.003962112	0.996838701	0.998252924
chr2:69585460-69590802	exonic	GFPT1	2	69585460	69590802	1	1	3	3	0	2	5342	1.830441191	0.009438954	1.962997101	0.00480844	0.996163435	0.998252924
chr20:32207322-32211102	exonic	CBFA2T2	20	32207322	32211102	23	17	13	47	12	6	3780	16.79216142	0.009478595	0.807567859	0.011737212	NA	NA
chr5:95091099-95099324	exonic	RHOBTB3	5	95091099	95099324	64	19	15	50	61	5	8225	28.76477493	0.009664997	0.7677591	0.01258858	0.989956032	0.998252924
chr7:98562251-98569568	exonic	TRRAP	7	98562251	98569568	2	4	0	6	0	1	7317	1.901164002	0.009822138	2.046977275	0.004798362	0.996171476	0.998252924
chr2:61343113-61345251	exonic	KIAA1841	2	61343113	61345251	4	3	1	6	0	0	2138	5.66127588	0.010017492	1.168597	0.008572238	NA	NA
chr21:44414958-44415453	intronic	PKNOX1	21	44414958	44415453	3	3	4	9	5	0	495	3.260803903	0.011235254	1.48376611	0.007572119	0.993958381	0.998252924
chr15:41036244-41037457	exonic	RMDN3	15	41036244	41037457	0	3	4	9	2	0	1213	2.510760809	0.011522049	1.838085954	0.006268504	0.99499849	0.998252924
chr11:85707868-85737409	exonic	PICALM	11	85707868	85737409	18	5	6	12	11	6	29541	8.833108033	0.012171458	0.954863926	0.012746798	NA	NA
chr11:85707868-85742653	exonic	PICALM	11	85707868	85742653	13	3	5	6	8	5	34785	8.833108033	0.012171458	0.954863926	0.012746798	NA	NA
chr11:85711685-85742653	exonic	PICALM	11	85711685	85742653	18	5	6	12	11	6	30968	8.833108033	0.012171458	0.954863926	0.012746798	NA	NA
chr9:33971648-33973235	exonic	UBAP2	9	33971648	33973235	3	6	1	5	4	2	1587	3.261988479	0.012319544	1.424042464	0.008651107	0.993097501	0.998252924
chr13:26911703-26928017	exonic	CDK8	13	26911703	26928017	1	0	3	5	1	0	16314	1.373378367	0.012460639	2.300033466	0.00541759	NA	NA
chr13:41943225-41946966	exonic	NAA16	13	41943225	41946966	2	0	4	1	5	1	3741	2.066717091	0.013293052	1.865955821	0.007123991	0.994315926	0.998252924
chr1:8555122-8617582	exonic	RERE	1	8555122	8617582	6	3	2	9	1	2	62460	3.385554211	0.013466393	1.429839604	0.009418114	0.992485543	0.998252924
chr1:7837219-7838229	exonic	VAMP3	1	7837219	7838229	9	4	8	20	9	0	1010	6.651612385	0.014022484	1.179907114	0.011884397	0.990517847	0.998252924
chr10:70513608-70532856	exonic	CCAR1	10	70513608	70532856	3	1	1	1	3	1	19248	1.536117912	0.014082611	1.938273663	0.007265543	0.994202986	0.998252924
chr16:11114049-11154879	exonic	CLEC16A	16	11114049	11154879	15	5	2	18	5	2	40830	6.335900447	0.014566613	1.147236292	0.012697134	0.989869425	0.998252924
chr13:20638590-20657172	exonic	ZMYM2	13	20638590	20657172	2	3	0	0	3	1	18582	1.573129579	0.014902015	2.185601438	0.006818267	0.994559852	0.998252924
chrX:129203274-129206392	exonic	ELF4	X	129203274	129206392	3	1	0	5	0	0	3118	1.092793553	0.015662921	2.680941602	0.005842321	0.995338529	0.998252924
chr2:72945231-72958374	exonic	EXOC6B	2	72945231	72958374	44	19	18	60	34	7	13143	1.007634681	0.016336085	2.786485433	0.005862613	NA	NA
chr7:151902190-151904513	exonic	KMT2C	7	151902190	151904513	1	0	2	0	4	0	2323	1.007634681	0.016336085	2.786485433	0.005862613	NA	NA
chr17:80417867-80430574	exonic	NARF	17	80417867	80430574	1	2	0	3	1	0	12707	0.917500118	0.016649037	2.649224334	0.006284495	0.994985732	0.998252924
chr5:140961878-140963182	exonic	DIAPH1	5	140961878	140963182	3	0	1	4	1	0	1304	1.130502816	0.016917382	2.443550756	0.006923278	0.994476067	0.998252924

chr6:155108994-155114110	exonic	SCAF8	6	155108994	155114110	3	0	1	4	1	0	5116	1.130502816	0.016917382	2.443550756	0.006923278	0.994476067	0.998252924
chr4:103644027-103647840	exonic	MANBA	4	103644027	103647840	1	2	2	4	3	0	3813	1.660404398	0.01697139	1.943614704	0.008731869	0.993033065	0.998252924
chr6:36492117-36507984	exonic	STK38	6	36492117	36507984	1	2	3	4	0	0	15867	1.660404398	0.01697139	1.943614704	0.008731869	0.993033065	0.998252924
chr18:45391429-45423180	exonic	SMAD2	18	45391429	45423180	23	19	1	21	8	11	31751	13.06637205	0.017225085	0.986592719	0.017459165	0.98607031	0.998252924
chr1:113124613-113126748	exonic	ST7L	1	113124613	113126748	1	0	0	0	1	0	2135	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:15693958-15695998	exonic	FHAD1	1	15693958	15695998	1	0	0	0	1	0	2040	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:165648678-165652347	exonic	ALDH9A1	1	165648678	165652347	1	0	0	0	0	1	3669	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr1:170001026-170007572	exonic	KIFAP3	1	170001026	170007572	1	0	0	0	1	0	6546	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:21183895-21188825	exonic	EIF4G3	1	21183895	21188825	1	0	0	0	1	0	4930	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:21267983-21307720	exonic	EIF4G3	1	21267983	21307720	1	0	0	0	1	0	39737	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:225695652-225700718	exonic	ENAH	1	225695652	225700718	1	0	0	0	1	0	5066	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:243716030-243736350	exonic	AKT3	1	243716030	243736350	1	0	0	0	1	0	20320	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:33099245-33100393	exonic	ZBTB80S	1	33099245	33100393	1	0	0	0	1	0	1148	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:36411292-36439112	exonic	AGO3	1	36411292	36439112	1	0	0	0	0	1	27820	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr1:64474976-64516388	exonic	ROR1	1	64474976	64516388	1	0	0	0	0	1	41412	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr1:89206670-89206971	exonic	PKN2	1	89206670	89206971	1	0	0	0	1	0	301	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:9991948-9996685	exonic	LZIC	1	9991948	9996685	1	0	0	0	1	0	4737	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:103344358-103345913	exonic	POLL	10	103344358	103345913	1	0	0	0	1	0	1555	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:104851320-104855737	exonic	NT5C2	10	104851320	104855737	1	0	0	0	1	0	4417	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:14938844-14939516	exonic	SUV39H2	10	14938844	14939516	1	0	0	0	1	0	672	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:20432223-20453496	exonic	PLXDC2	10	20432223	20453496	1	0	0	0	1	0	21273	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:21970260-21971186	exonic	MLLT10	10	21970260	21971186	1	0	0	0	0	1	926	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr10:28408579-28420620	exonic	MPP7	10	28408579	28420620	1	0	0	0	1	0	12041	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:46158027-46159290	exonic	ZFAND4	10	46158027	46159290	1	0	0	0	1	0	1263	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:51606987-51620382	exonic	TIMM23	10	51606987	51620382	1	0	0	0	1	0	13395	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:54031109-54050050	exonic	PRKG1	10	54031109	54050050	1	0	0	0	1	0	18941	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:71968960-71978573	exonic	PPA1	10	71968960	71978573	1	0	0	0	1	0	9613	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:88213412-88220253	exonic	WAPL	10	88213412	88220253	1	0	0	0	1	0	6841	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:117206320-117214993	exonic	CEP164	11	117206320	117214993	1	0	0	0	1	0	8673	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:18362807-18363154	exonic	GTF2H1	11	18362807	18363154	1	0	0	0	0	1	347	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr11:46804823-46822854	exonic	CKAP5	11	46804823	46822854	1	0	0	0	0	1	18031	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr11:66254010-66255478	exonic	DPP3	11	66254010	66255478	1	0	0	0	1	0	1468	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:82917099-82938914	exonic	ANKRD42	11	82917099	82938914	1	0	0	0	1	0	21815	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:93521166-93523959	exonic	MED17	11	93521166	93523959	1	0	0	0	1	0	2793	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:112743867-112747473	exonic	HECTD4	12	112743867	112747473	1	0	0	0	1	0	3606	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr12:16747070-16753802	exonic	LMO3	12	16747070	16753802	1	0	0	0	1	0	6732	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:19436213-19440490	exonic	PLEKHA5	12	19436213	19440490	1	0	0	0	1	0	4277	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:31545200-31562318	exonic	DENND5B	12	31545200	31562318	1	0	0	0	1	0	17118	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:31576530-31586182	exonic	DENND5B	12	31576530	31586182	1	0	0	0	1	0	9652	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:65221614-65237265	exonic	TBC1D30	12	65221614	65237265	1	0	0	0	1	0	15651	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:97015367-97038186	exonic	CFAP54	12	97015367	97038186	1	0	0	0	1	0	22819	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:99042096-99043462	exonic	APAF1	12	99042096	99043462	1	0	0	0	1	0	1366	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:102029050-102031004	exonic	NALCN	13	102029050	102031004	1	0	0	0	1	0	1954	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:111274562-111279894	exonic	CARKD	13	111274562	111279894	1	0	0	0	1	0	5332	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:53007796-53016580	exonic	VPS36	13	53007796	53016580	1	0	0	0	1	0	8784	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:30093357-30105700	exonic	PRKD1	14	30093357	30105700	1	0	0	0	1	0	12343	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:31112521-31122794	exonic	SCFD1	14	31112521	31122794	1	0	0	0	0	1	10273	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr14:31582309-31602881	exonic	HECTD1	14	31582309	31602881	1	0	0	0	1	0	20572	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:35470141-35488280	exonic	SRP54	14	35470141	35488280	1	0	0	0	1	0	18139	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:52922041-52937398	exonic	TXNDC16	14	52922041	52937398	1	0	0	0	1	0	15357	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:73711351-73712883	exonic	PAPLN	14	73711351	73712883	1	0	0	0	0	1	1532	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr15:50330964-50339661	exonic	ATP8B4	15	50330964	50339661	1	0	0	0	1	0	8697	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:50731205-50741682	exonic	USP8	15	50731205	50741682	1	0	0	0	1	0	10477	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:56974451-56985413	exonic	ZNF280D	15	56974451	56985413	1	0	0	0	0	1	10962	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr15:62264823-62273677	exonic	VPS13C	15	62264823	62273677	1	0	0	0	1	0	8854	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:64448360-64448923	splicing	PPIB	15	64448360	64448923	1	0	0	0	1	0	563	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:72141185-72180457	exonic	MYO9A	15	72141185	72180457	1	0	0	0	0	1	39272	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr15:72300166-72320134	exonic	MYO9A	15	72300166	72320134	1	0	0	0	0	1	19968	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr16:71736500-71748704	exonic	PHLPP2	16	71736500	71748704	1	0	0	0	0	1	12204	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr16:89371613-89379997	exonic	ANKRD11	16	89371613	89379997	1	0	0	0	0	1	8384	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr17:11511445-11523098	exonic	DNAH9	17	11511445	11523098	1	0	0	0	1	0	11653	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:19185267-19187027	exonic	EPN2	17	19185267	19187027	1	0	0	0	1	0	1760	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:29123177-29124416	exonic	CRLF3	17	29123177	29124416	1	0	0	0	1	0	1239	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:36353600-36359042	ncRNA_exonic	LOC440434	17	36353600	36359042	1	0	0	0	1	0	5442	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:57128574-57134415	exonic	TRIM37	17	57128574	57134415	1	0	0	0	1	0	5841	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:60601596-60613698	exonic	TLK2	17	60601596	60613698	1	0	0	0	1	0	12102	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:61829299-61831878	exonic	CCDC47	17	61829299	61831878	1	0	0	0	0	1	2579	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr17:6493098-6503778	exonic	KIAA0753	17	6493098	6503778	1	0	0	0	1	0	10680	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:80141649-80146295	exonic	CCDC57	17	80141649	80146295	1	0	0	0	1	0	4646	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr18:12009881-12014372	exonic	IMPA2	18	12009881	12014372	1	0	0	0	1	0	4491	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr18:12358668-12360050	exonic	AFG3L2	18	12358668	12360050	1	0	0	0	1	0	1382	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr18:12698977-12701112	exonic	CEP76	18	12698977	12701112	1	0	0	0	1	0	2135	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr18:19140819-19148055	exonic	ESCO1	18	19140819	19148055	1	0	0	0	0	1	7236	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr18:20577582-20586395	exonic	RBBP8	18	20577582	20586395	1	0	0	0	1	0	8813	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr19:50285013-50285981	exonic	AP2A1	19	50285013	50285981	1	0	0	0	1	0	968	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr19:58436990-58441925	exonic	ZNF418	19	58436990	58441925	1	0	0	0	0	1	4935	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr2:114670748-114674585	exonic	ACTR3	2	114670748	114674585	1	0	0	0	1	0	3837	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:171902683-171906684	exonic	TLK1	2	171902683	171906684	1	0	0	0	1	0	4001	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:182786674-182793005	exonic	SSFA2	2	182786674	182793005	1	0	0	0	1	0	6331	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:203003154-203030079	exonic	KIAA2012	2	203003154	203030079	1	0	0	0	1	0	26925	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:242343242-242347030	exonic	FARP2	2	242343242	242347030	1	0	0	0	0	1	3788	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr2:58449076-58457009	exonic	FANCL	2	58449076	58457009	1	0	0	0	1	0	7933	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:85768951-85769496	exonic	MAT2A	2	85768951	85769496	1	0	0	0	1	0	545	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr21:40604102-40622815	exonic	BRWD1	21	40604102	40622815	1	0	0	0	1	0	18713	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr21:42861433-42866505	exonic	TMPRSS2	21	42861433	42866505	1	0	0	0	1	0	5072	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr22:18138427-18171908	exonic	BCL2L13	22	18138427	18171908	1	0	0	0	1	0	33481	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr22:51158611-51160865	exonic	SHANK3	22	51158611	51160865	1	0	0	0	0	1	2254	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr3:100037912-100039815	exonic	TBC1D23	3	100037912	100039815	1	0	0	0	0	1	1903	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr3:155611306-155643155	exonic	GMPS	3	155611306	155643155	1	0	0	0	0	1	31849	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr3:176782707-176816329	exonic	TBL1XR1	3	176782707	176816329	1	0	0	0	1	0	33622	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:182923663-182925611	exonic	MCF2L2	3	182923663	182925611	1	0	0	0	1	0	1948	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:184642649-184648356	exonic	VPS8	3	184642649	184648356	1	0	0	0	1	0	5707	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:185335267-185341870	exonic	SENP2	3	185335267	185341870	1	0	0	0	1	0	6603	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:3182193-3186394	exonic	TRNT1	3	3182193	3186394	1	0	0	0	0	1	4201	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr3:32576002-32587457	exonic	DYNC1LI1	3	32576002	32587457	1	0	0	0	1	0	11455	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:47147486-47158244	exonic	SETD2	3	47147486	47158244	1	0	0	0	1	0	10758	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:8977554-8990254	exonic	RAD18	3	8977554	8990254	1	0	0	0	0	1	12700	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr4:128851837-128859993	exonic	MFSB8	4	128851837	128859993	1	0	0	0	1	0	8156	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:154471224-154479520	exonic	KIAA0922	4	154471224	154479520	1	0	0	0	1	0	8296	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:154547298-154553990	exonic	KIAA0922	4	154547298	154553990	1	0	0	0	1	0	6692	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:15626874-15632414	exonic	FBXL5	4	15626874	15632414	1	0	0	0	1	0	5540	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:25260658-25270825	exonic	PI4K2B	4	25260658	25270825	1	0	0	0	1	0	10167	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:42545933-42558057	exonic	ATP8A1	4	42545933	42558057	1	0	0	0	1	0	12124	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:4650703-4651269	ncRNA_exonic	STX18-AS1	4	4650703	4651269	1	0	0	0	1	0	566	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:56762882-56766050	exonic	EXOC1	4	56762882	56766050	1	0	0	0	1	0	3168	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr4:83763292-83782861	exonic	SEC31A	4	83763292	83782861	1	0	0	0	1	0	19569	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:99962193-99966461	exonic	METAP1	4	99962193	99966461	1	0	0	0	1	0	4268	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:123979203-123980354	exonic	ZNF608	5	123979203	123980354	1	0	0	0	1	0	1151	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:137277632-137284873	exonic	FAM13B	5	137277632	137284873	1	0	0	0	1	0	7241	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:137726701-137735701	exonic	KDM3B	5	137726701	137735701	1	0	0	0	1	0	9000	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:142264862-142292858	exonic	ARHGAP26	5	142264862	142292858	1	0	0	0	1	0	27996	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:14290824-14304701	exonic	TRIO	5	14290824	14304701	1	0	0	0	0	1	13877	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr5:167915606-167929110	exonic	RARS	5	167915606	167929110	1	0	0	0	1	0	13504	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:177053436-177059739	ncRNA_exonic	LOC202181	5	177053436	177059739	1	0	0	0	1	0	6303	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:179007947-179021964	exonic	RUFY1	5	179007947	179021964	1	0	0	0	1	0	14017	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:40728446-40747121	exonic	TTC33	5	40728446	40747121	1	0	0	0	1	0	18675	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:70798618-70800431	exonic	BDP1	5	70798618	70800431	1	0	0	0	1	0	1813	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:76330242-76344097	exonic	AGGF1	5	76330242	76344097	1	0	0	0	1	0	13855	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:78324255-78329231	exonic	DMGDH	5	78324255	78329231	1	0	0	0	1	0	4976	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:79729927-79741224	exonic	ZFYVE16	5	79729927	79741224	1	0	0	0	1	0	11297	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:79960961-79974912	exonic	MSH3	5	79960961	79974912	1	0	0	0	1	0	13951	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:109175427-109197553	exonic	ARMC2	6	109175427	109197553	1	0	0	0	1	0	22126	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:109931567-109954526	exonic	AK9	6	109931567	109954526	1	0	0	0	0	1	22959	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr6:111708967-111714175	exonic	REV3L	6	111708967	111714175	1	0	0	0	1	0	5208	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:116263809-116264182	splicing	FRK	6	116263809	116264182	1	0	0	0	1	0	373	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:118801033-118845083	exonic	CEP85L	6	118801033	118845083	1	0	0	0	1	0	44050	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:138576572-138576906	exonic	ARFGEF3	6	138576572	138576906	1	0	0	0	1	0	334	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:18255961-18258636	exonic	DEK	6	18255961	18258636	1	0	0	0	1	0	2675	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:31860183-31860687	exonic	EHMT2	6	31860183	31860687	1	0	0	0	1	0	504	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:31901386-31905236	exonic	C2	6	31901386	31905236	1	0	0	0	1	0	3850	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:42902212-42903408	exonic	CNPY3	6	42902212	42903408	1	0	0	0	1	0	1196	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:44371545-44376369	exonic	CDC5L	6	44371545	44376369	1	0	0	0	1	0	4824	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:87925620-87943245	exonic	ZNF292	6	87925620	87943245	1	0	0	0	1	0	17625	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:133002037-133059756	exonic	EXOC4	7	133002037	133059756	1	0	0	0	1	0	57719	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:149981841-149992436	exonic	ACTR3C	7	149981841	149992436	1	0	0	0	1	0	10595	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:158542339-158590767	exonic	ESYT2	7	158542339	158590767	1	0	0	0	1	0	48428	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:23224688-23224917	exonic	NUPL2	7	23224688	23224917	1	0	0	0	1	0	229	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:33035774-33039872	exonic	FKBP9	7	33035774	33039872	1	0	0	0	1	0	4098	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:44838346-44839473	exonic	PPIA	7	44838346	44839473	1	0	0	0	1	0	1127	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:6840578-6862991	exonic	CCZ1B	7	6840578	6862991	1	0	0	0	1	0	22413	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr7:77755010-77756733	exonic	MAGI2	7	77755010	77756733	1	0	0	0	0	1	1723	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr7:91851215-91852292	exonic	KRIT1	7	91851215	91852292	1	0	0	0	1	0	1077	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:92881965-92888944	exonic	VPS50	7	92881965	92888944	1	0	0	0	1	0	6979	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:124346117-124351686	exonic	ATAD2	8	124346117	124351686	1	0	0	0	1	0	5569	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:19190465-19192368	exonic	SH2D4A	8	19190465	19192368	1	0	0	0	0	1	1903	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr8:30032600-30038146	exonic	DCTN6	8	30032600	30038146	1	0	0	0	1	0	5546	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:37732032-37735069	exonic	RAB11FIP1	8	37732032	37735069	1	0	0	0	1	0	3037	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:66525478-66539668	exonic	ARMC1	8	66525478	66539668	1	0	0	0	0	1	14190	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr8:68015271-68049838	exonic	CSPP1	8	68015271	68049838	1	0	0	0	1	0	34567	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:99718694-99761618	exonic	STK3	8	99718694	99761618	1	0	0	0	0	1	42924	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chr9:114187697-114195652	exonic	KIAA0368	9	114187697	114195652	1	0	0	0	1	0	7955	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:126345447-126641300	exonic	DENND1A	9	126345447	126641300	1	0	0	0	1	0	295853	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:130501960-130502648	exonic	SH2D3C	9	130501960	130502648	1	0	0	0	1	0	688	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:132984928-132988783	exonic	NCS1	9	132984928	132988783	1	0	0	0	1	0	3855	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:72338241-72356774	exonic	PTAR1	9	72338241	72356774	1	0	0	0	1	0	18533	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:72741074-72758735	exonic	MAMDC2	9	72741074	72758735	1	0	0	0	1	0	17661	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:74354978-74365301	exonic	TMEM2	9	74354978	74365301	1	0	0	0	1	0	10323	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:79852917-79867268	exonic	VPS13A	9	79852917	79867268	1	0	0	0	1	0	14351	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:98643150-98643575	exonic	ERCC6L2	9	98643150	98643575	1	0	0	0	1	0	425	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:99537069-99538527	exonic	ZNF510	9	99537069	99538527	1	0	0	0	1	0	1458	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:1401570-1409402	exonic	CSF2RA	X	1401570	1409402	1	0	0	0	0	1	7832	0.437205552	0.017514734	4.075556191	0.004297508	NA	NA
chrX:32536124-32717410	exonic	DMD	X	32536124	32717410	1	0	0	0	1	0	181286	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:53431943-53432323	exonic	SMC1A	X	53431943	53432323	1	0	0	0	1	0	380	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:53595651-53596787	exonic	HUWE1	X	53595651	53596787	1	0	0	0	1	0	1136	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:71681853-71708891	exonic	HDAC8	X	71681853	71708891	1	0	0	0	1	0	27038	0.250014365	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:152287099-152307915	exonic	FLG	1	152287099	152307915	0	1	0	0	1	0	20816	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:180031354-180034407	exonic	CEP350	1	180031354	180034407	0	1	0	0	1	0	3053	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:44750506-44785416	exonic	ERI3	1	44750506	44785416	0	1	0	0	1	0	34910	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:62907158-62907970	exonic	USP1	1	62907158	62907970	0	1	0	0	1	0	812	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:78177431-78201843	exonic	USP33	1	78177431	78201843	0	1	0	0	1	0	24412	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:120867459-120877179	exonic	FAM45A	10	120867459	120877179	0	1	0	0	1	0	9720	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:128859931-128908618	exonic	DOCK1	10	128859931	128908618	0	1	0	0	1	0	48687	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:27301810-27332496	exonic	ANKRD26	10	27301810	27332496	0	1	0	0	1	0	30686	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:31749965-31791437	exonic	ZEB1	10	31749965	31791437	0	1	0	0	1	0	41472	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:32141444-32150586	exonic	ARHGAP12	10	32141444	32150586	0	1	0	0	1	0	9142	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr10:61844359-61848116	exonic	ANK3	10	61844359	61848116	0	1	0	0	1	0	3757	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:99196947-99197507	exonic	EXOSC1	10	99196947	99197507	0	1	0	0	1	0	560	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:34978930-35013926	exonic	PDHX	11	34978930	35013926	0	1	0	0	1	0	34996	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:59540683-59564869	exonic	STX3	11	59540683	59564869	0	1	0	0	1	0	24186	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:77090285-77091039	exonic	PAK1	11	77090285	77091039	0	1	0	0	1	0	754	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:105504902-105516016	exonic	KIAA1033	12	105504902	105516016	0	1	0	0	1	0	11114	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:89860546-89885892	exonic	POC1B	12	89860546	89885892	0	1	0	0	1	0	25346	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:96381970-96384310	exonic	HAL	12	96381970	96384310	0	1	0	0	1	0	2340	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:103279361-103309557	exonic	TPP2	13	103279361	103309557	0	1	0	0	1	0	30196	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:21961646-21965993	exonic	ZDHHC20	13	21961646	21965993	0	1	0	0	1	0	4347	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:95822785-95839146	exonic	ABCC4	13	95822785	95839146	0	1	0	0	1	0	16361	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:54947675-54948126	splicing	GMFB	14	54947675	54948126	0	1	0	0	1	0	451	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:58740696-58740853	ncRNA_exonic	PSMA3-AS1	14	58740696	58740853	0	1	0	0	1	0	157	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:76088421-76091095	exonic	FLVCR2	14	76088421	76091095	0	1	0	0	1	0	2674	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:91339975-91372643	exonic	RPS6KA5	14	91339975	91372643	0	1	0	0	1	0	32668	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:92170895-92185822	exonic	CATSPERB	14	92170895	92185822	0	1	0	0	1	0	14927	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:49493358-49531564	exonic	GALK2	15	49493358	49531564	0	1	0	0	1	0	38206	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:75687020-75688837	exonic	SIN3A	15	75687020	75688837	0	1	0	0	1	0	1817	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:93552374-93563488	exonic	CHD2	15	93552374	93563488	0	1	0	0	1	0	11114	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:19639958-19693712	exonic	C16orf62	16	19639958	19693712	0	1	0	0	1	0	53754	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:3799627-3808973	exonic	CREBBP	16	3799627	3808973	0	1	0	0	1	0	9346	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:53269096-53281415	exonic	CHD9	16	53269096	53281415	0	1	0	0	1	0	12319	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:58749917-58753159	exonic	GOT2	16	58749917	58753159	0	1	0	0	1	0	3242	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:49109041-49133843	exonic	SPAG9	17	49109041	49133843	0	1	0	0	1	0	24802	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:55334458-55478832	exonic	MSI2	17	55334458	55478832	0	1	0	0	1	0	144374	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:80540616-80545148	exonic	FOXK2	17	80540616	80545148	0	1	0	0	1	0	4532	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr18:19345732-19371518	exonic	MIB1	18	19345732	19371518	0	1	0	0	1	0	25786	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr19:16962222-16965072	exonic	SIN3B	19	16962222	16965072	0	1	0	0	1	0	2850	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr19:32843734-32851524	exonic	ZNF507	19	32843734	32851524	0	1	0	0	1	0	7790	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:161025722-161052931	exonic	ITGB6	2	161025722	161052931	0	1	0	0	1	0	27209	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:173426947-173429801	exonic	PDK1	2	173426947	173429801	0	1	0	0	1	0	2854	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:219110142-219114644	exonic	ARPC2	2	219110142	219114644	0	1	0	0	1	0	4502	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:89076017-89092011	ncRNA_exonic	ANKRD36BP2	2	89076017	89092011	0	1	0	0	1	0	15994	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr21:27264033-27284274	exonic	APP	21	27264033	27284274	0	1	0	0	1	0	20241	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr22:24698162-24726399	exonic	SPECC1L	22	24698162	24726399	0	1	0	0	1	0	28237	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr22:29678378-29683123	exonic	EWSR1	22	29678378	29683123	0	1	0	0	1	0	4745	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr22:41513190-41513825	exonic	EP300	22	41513190	41513825	0	1	0	0	1	0	635	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:141231004-141248644	exonic	RASA2	3	141231004	141248644	0	1	0	0	1	0	17640	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:146234792-146251337	exonic	PLSCR1	3	146234792	146251337	0	1	0	0	1	0	16545	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:154002371-154029463	exonic	DHX36	3	154002371	154029463	0	1	0	0	1	0	27092	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:169846471-169867032	exonic	PHC3	3	169846471	169867032	0	1	0	0	1	0	20561	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:196089164-196089558	exonic	UBXN7	3	196089164	196089558	0	1	0	0	1	0	394	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:33633886-33686395	exonic	CLASP2	3	33633886	33686395	0	1	0	0	1	0	52509	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:153750776-153793716	exonic	ARFIP1	4	153750776	153793716	0	1	0	0	1	0	42940	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:79754735-79772210	exonic	BMP2K	4	79754735	79772210	0	1	0	0	1	0	17475	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:83978078-83989675	exonic	COPS4	4	83978078	83989675	0	1	0	0	1	0	11597	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:84384646-84388691	exonic	FAM175A	4	84384646	84388691	0	1	0	0	1	0	4045	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:89304372-89338731	exonic	HERC6	4	89304372	89338731	0	1	0	0	1	0	34359	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:127466758-127477673	exonic	SLC12A2	5	127466758	127477673	0	1	0	0	1	0	10915	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:142252964-142264964	exonic	ARHGAP26	5	142252964	142264964	0	1	0	0	1	0	12000	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:167920898-167929110	exonic	RARS	5	167920898	167929110	0	1	0	0	1	0	8212	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:64556426-64769779	exonic	ADAMTS6	5	64556426	64769779	0	1	0	0	1	0	213353	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:65000105-65004385	exonic	SGTB	5	65000105	65004385	0	1	0	0	1	0	4280	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:95087942-95099324	exonic	RHOBTB3	5	95087942	95099324	0	1	0	0	1	0	11382	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:117037381-117045538	exonic	KPNA5	6	117037381	117045538	0	1	0	0	1	0	8157	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:154743639-154763424	exonic	CNKSR3	6	154743639	154763424	0	1	0	0	1	0	19785	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:86227473-86246642	exonic	SNX14	6	86227473	86246642	0	1	0	0	1	0	19169	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:102398300-102401858	exonic	FAM185A	7	102398300	102401858	0	1	0	0	1	0	3558	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:133821775-133848292	exonic	LRGUK	7	133821775	133848292	0	1	0	0	1	0	26517	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:157151240-157160177	exonic	DNAJB6	7	157151240	157160177	0	1	0	0	1	0	8937	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:24854677-24874355	exonic	OSBPL3	7	24854677	24874355	0	1	0	0	1	0	19678	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:27898567-27931973	exonic	NUGGC	8	27898567	27931973	0	1	0	0	1	0	33406	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:95952556-95953057	splicing	TP53INP1	8	95952556	95953057	0	1	0	0	1	0	501	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:116046574-116050544	exonic	PRPF4	9	116046574	116050544	0	1	0	0	1	0	3970	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:140458885-140459606	exonic	DPH7	9	140458885	140459606	0	1	0	0	1	0	721	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:20694518-20740339	exonic	FOCAD	9	20694518	20740339	0	1	0	0	1	0	45821	0.295303221	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:168153139-168160738	exonic	TIPRL	1	168153139	168160738	0	0	1	0	1	0	7599	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:185183638-185191168	exonic	SWT1	1	185183638	185191168	0	0	1	0	1	0	7530	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:197586788-197627499	exonic	DENND1B	1	197586788	197627499	0	0	1	0	1	0	40711	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:224377278-224378021	exonic	DEGS1	1	224377278	224378021	0	0	1	0	1	0	743	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr1:246707822-246720023	exonic	TFB2M	1	246707822	246720023	0	0	1	0	1	0	12201	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:47148971-47157609	exonic	EFCAB14	1	47148971	47157609	0	0	1	0	1	0	8638	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:103558598-103560157	exonic	MGEA5	10	103558598	103560157	0	0	1	0	1	0	1559	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:27453992-27454468	exonic	MASTL	10	27453992	27454468	0	0	1	0	1	0	476	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr10:70945742-70947512	exonic	SUPV3L1	10	70945742	70947512	0	0	1	0	1	0	1770	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:102742323-102742682	exonic	MMP12	11	102742323	102742682	0	0	1	0	1	0	359	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr11:581961-605300	exonic	PHRF1	11	581961	605300	0	0	1	0	1	0	23339	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:110028575-110032986	exonic	MVK	12	110028575	110032986	0	0	1	0	1	0	4411	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:57132217-57137907	exonic	PRIM1	12	57132217	57137907	0	0	1	0	1	0	5690	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr12:94725475-94729440	exonic	CEP83	12	94725475	94729440	0	0	1	0	1	0	3965	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:114164552-114175048	exonic	TMC03	13	114164552	114175048	0	0	1	0	1	0	10496	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:48562675-48563116	exonic	SUCLA2	13	48562675	48563116	0	0	1	0	1	0	441	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr13:96412293-96413052	exonic	DNAJC3	13	96412293	96413052	0	0	1	0	1	0	759	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:54947676-54948126	splicing	GMFB	14	54947676	54948126	0	0	1	0	1	0	450	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:57710882-57714430	exonic	EXOC5	14	57710882	57714430	0	0	1	0	1	0	3548	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:75497245-75509180	exonic	MLH3	14	75497245	75509180	0	0	1	0	1	0	11935	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr14:75583897-75590926	exonic	NEK9	14	75583897	75590926	0	0	1	0	1	0	7029	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr15:68378643-68439038	exonic	PIAS1	15	68378643	68439038	0	0	1	0	1	0	60395	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:3841981-3843627	exonic	CREBBP	16	3841981	3843627	0	0	1	0	1	0	1646	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:71954641-71957283	exonic	IST1	16	71954641	71957283	0	0	1	0	1	0	2642	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr16:89961445-89970613	exonic	TCF25	16	89961445	89970613	0	0	1	0	1	0	9168	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:13977639-13980373	exonic	COX10	17	13977639	13980373	0	0	1	0	1	0	2734	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:15905228-15909882	exonic	TTC19	17	15905228	15909882	0	0	1	0	1	0	4654	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:18768781-18770647	exonic	PRPSAP2	17	18768781	18770647	0	0	1	0	1	0	1866	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr17:58012553-58013902	exonic	RPS6KB1	17	58012553	58013902	0	0	1	0	1	0	1349	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr19:40743875-40746017	exonic	AKT2	19	40743875	40746017	0	0	1	0	1	0	2142	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:114670748-114699936	exonic	ACTR3	2	114670748	114699936	0	0	1	0	1	0	29188	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:136418839-136433056	exonic	R3HDM1	2	136418839	136433056	0	0	1	0	1	0	14217	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:161157161-161174738	exonic	RBMS1	2	161157161	161174738	0	0	1	0	1	0	17577	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:183831943-183853914	exonic	NCKAP1	2	183831943	183853914	0	0	1	0	1	0	21971	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:190606067-190609514	exonic	ANKAR	2	190606067	190609514	0	0	1	0	1	0	3447	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:231222519-231223847	exonic	SP140L	2	231222519	231223847	0	0	1	0	1	0	1328	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:42909540-42924974	exonic	MTA3	2	42909540	42924974	0	0	1	0	1	0	15434	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr2:64160806-64171789	exonic	VPS54	2	64160806	64171789	0	0	1	0	1	0	10983	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr20:2944917-2955887	exonic	PTPRA	20	2944917	2955887	0	0	1	0	1	0	10970	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chr20:3321150-3340240	exonic	C2Oorf194	20	3321150	3340240	0	0	1	0	1	0	19090	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr20:47679738-47689234	exonic	CSE1L	20	47679738	47689234	0	0	1	0	1	0	9496	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr21:45513943-45518415	exonic	TRAPPC10	21	45513943	45518415	0	0	1	0	1	0	4472	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:113784083-113789685	exonic	QTRTD1	3	113784083	113789685	0	0	1	0	1	0	5602	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:125032151-125032500	exonic	ZNF148	3	125032151	125032500	0	0	1	0	1	0	349	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:128356641-128363826	exonic	RPN1	3	128356641	128363826	0	0	1	0	1	0	7185	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:47719687-47734790	exonic	SMARCC1	3	47719687	47734790	0	0	1	0	1	0	15103	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr3:66293626-66313803	exonic	SLC25A26	3	66293626	66313803	0	0	1	0	1	0	20177	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:110434902-110441640	exonic	SEC24B	4	110434902	110441640	0	0	1	0	1	0	6738	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:148778703-148887990	exonic	ARHGAP10	4	148778703	148887990	0	0	1	0	1	0	109287	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr4:48608454-48611084	exonic	FRYL	4	48608454	48611084	0	0	1	0	1	0	2630	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:112399680-112421007	exonic	MCC	5	112399680	112421007	0	0	1	0	1	0	21327	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:179980385-179998432	exonic	CNOT6	5	179980385	179998432	0	0	1	0	1	0	18047	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:68669656-68670538	exonic	RAD17	5	68669656	68670538	0	0	1	0	1	0	882	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:75893263-75907008	exonic	IQGAP2	5	75893263	75907008	0	0	1	0	1	0	13745	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr5:78585943-78608321	exonic	JMY	5	78585943	78608321	0	0	1	0	1	0	22378	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:107515025-107533486	exonic	PDSS2	6	107515025	107533486	0	0	1	0	1	0	18461	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:128134027-128135076	exonic	THEMIS	6	128134027	128135076	0	0	1	0	1	0	1049	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:45399599-45405788	exonic	RUNX2	6	45399599	45405788	0	0	1	0	1	0	6189	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr6:76368977-76376657	exonic	SENP6	6	76368977	76376657	0	0	1	0	1	0	7680	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:138921750-138951149	exonic	UBN2	7	138921750	138951149	0	0	1	0	1	0	29399	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr7:95813588-95838289	exonic	SLC25A13	7	95813588	95838289	0	0	1	0	1	0	24701	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:11666302-11667359	exonic	FDFT1	8	11666302	11667359	0	0	1	0	1	0	1057	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:131136258-131140336	exonic	ASAP1	8	131136258	131140336	0	0	1	0	1	0	4078	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:131172109-131181313	exonic	ASAP1	8	131172109	131181313	0	0	1	0	1	0	9204	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr8:68015271-68031056	exonic	CSPP1	8	68015271	68031056	0	0	1	0	1	0	15785	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:86523366-86530593	exonic	KIF27	9	86523366	86530593	0	0	1	0	1	0	7227	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:86590659-86591909	splicing	HNRNPK	9	86590659	86591909	0	0	1	0	1	0	1250	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:86590660-86591909	splicing	HNRNPK	9	86590660	86591909	0	0	1	0	1	0	1249	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:86590672-86591909	splicing	HNRNPK	9	86590672	86591909	0	0	1	0	1	0	1237	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr9:88430793-88445491	ncRNA_exonic	LOC389765	9	88430793	88445491	0	0	1	0	1	0	14698	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:110406142-110416309	exonic	PAK3	X	110406142	110416309	0	0	1	0	1	0	10167	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:117521302-117538407	exonic	WDR44	X	117521302	117538407	0	0	1	0	1	0	17105	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:117521302-117544922	exonic	WDR44	X	117521302	117544922	0	0	1	0	1	0	23620	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chrX:149807415-149818374	exonic	MTM1	X	149807415	149818374	0	0	1	0	1	0	10959	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924

chrX:16716358-16721064	exonic	CTPS2	X	16716358	16721064	0	0	1	0	1	0	4706	0.318296447	0.017514734	4.075556191	0.004297508	0.996571095	0.998252924
chr1:16464347-16464925	exonic	EPHA2		16464347	16464925	0	1	0	0	0	1	578	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr1:176050287-176105683	exonic	RFWD2		176050287	176105683	0	1	0	0	0	1	55396	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr1:235582787-235594119	exonic	TBCE		235582787	235594119	0	1	0	0	0	1	11332	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr1:28362054-28369161	exonic	EYA3		28362054	28369161	0	1	0	0	0	1	7107	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr1:99150440-99167459	exonic	SNX7		99150440	99167459	0	1	0	0	0	1	17019	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr10:105106994-105108756	exonic	PCGF6		105106994	105108756	0	1	0	0	0	1	1762	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr10:106019333-106022835	exonic	GSTO1		106019333	106022835	0	1	0	0	0	1	3502	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr12:118681219-118693460	exonic	TAOK3		118681219	118693460	0	1	0	0	0	1	12241	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr12:32861086-32871697	exonic	DNM1L		32861086	32871697	0	1	0	0	0	1	10611	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr13:21955572-21987911	exonic	ZDHC20		21955572	21987911	0	1	0	0	0	1	32339	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr15:44053621-44061844	exonic	PDIA3		44053621	44061844	0	1	0	0	0	1	8223	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr15:63821212-63829355	exonic	USP3		63821212	63829355	0	1	0	0	0	1	8143	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr16:69703879-69718873	exonic	NFAT5		69703879	69718873	0	1	0	0	0	1	14994	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr17:29123177-29131126	exonic	CRLF3		29123177	29131126	0	1	0	0	0	1	7949	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr17:706921-708487	exonic	NXN		706921	708487	0	1	0	0	0	1	1566	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr19:39408363-39409453	exonic	SARS2		39408363	39409453	0	1	0	0	0	1	1090	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr19:46116798-46117958	exonic	EML2		46116798	46117958	0	1	0	0	0	1	1160	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr2:174223439-174224219	exonic	CDCA7		174223439	174224219	0	1	0	0	0	1	780	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr2:24468997-24477300	exonic	ITSN2		24468997	24477300	0	1	0	0	0	1	8303	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr2:74392344-74399879	exonic	MOB1A		74392344	74399879	0	1	0	0	0	1	7535	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr20:35309218-35317187	exonic	NDRG3		35309218	35317187	0	1	0	0	0	1	7969	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr21:17135209-17163983	exonic	USP25		17135209	17163983	0	1	0	0	0	1	28774	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr22:45210551-45221473	exonic	ARHGAP8, PRR5-ARHGAP8		45210551	45221473	0	1	0	0	0	1	10922	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr3:24270428-24378862	exonic	THRB		24270428	24378862	0	1	0	0	0	1	108434	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr4:15713429-15720616	exonic	BST1		15713429	15720616	0	1	0	0	0	1	7187	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr5:50055476-50074484	exonic	PARP8		50055476	50074484	0	1	0	0	0	1	19008	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr5:64824278-64825026	exonic	CENPK		64824278	64825026	0	1	0	0	0	1	748	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr6:155108994-155116273	exonic	SCAF8		155108994	155116273	0	1	0	0	0	1	7279	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr6:86253322-86267778	exonic	SNX14		86253322	86267778	0	1	0	0	0	1	14456	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr8:141549418-141551457	exonic	AGO2		141549418	141551457	0	1	0	0	0	1	2039	0.482494408	0.017551665	4.067935354	0.004314637	NA	NA
chr1:113124613-113143470	exonic	ST7L		113124613	113143470	0	0	1	0	0	1	18857	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr1:179012849-179023773	exonic	FAM20B		179012849	179023773	0	0	1	0	0	1	10924	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr1:20063864-20073753	exonic	TMCO4		20063864	20073753	0	0	1	0	0	1	9889	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr10:115657868-115664795	exonic	NHLRC2		115657868	115664795	0	0	1	0	0	1	6927	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA

chr12:75706627-75720307	exonic	CAPS2	12	75706627	75720307	0	0	1	0	0	1	13680	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr13:114149816-114157903	exonic	TMC03	13	114149816	114157903	0	0	1	0	0	1	8087	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr14:89305795-89327676	exonic	TTC8	14	89305795	89327676	0	0	1	0	0	1	21881	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr16:19474601-19481147	exonic	TMC5	16	19474601	19481147	0	0	1	0	0	1	6546	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr16:22477013-22478609	ncRNA_exonic	SMG1P1	16	22477013	22478609	0	0	1	0	0	1	1596	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr16:90045217-90046744	ncRNA_exonic	AFG3L1P	16	90045217	90046744	0	0	1	0	0	1	1527	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr19:47653458-47658470	exonic	SAE1	19	47653458	47658470	0	0	1	0	0	1	5012	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr2:159477501-159477933	exonic	PKP4	2	159477501	159477933	0	0	1	0	0	1	432	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr2:172546656-172549404	exonic	DYNC1I2	2	172546656	172549404	0	0	1	0	0	1	2748	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr2:216283964-216299547	exonic	FN1	2	216283964	216299547	0	0	1	0	0	1	15583	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr2:48018065-48023202	exonic	MSH6	2	48018065	48023202	0	0	1	0	0	1	5137	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr2:61719169-61722748	exonic	XPO1	2	61719169	61722748	0	0	1	0	0	1	3579	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr2:9661331-9666373	exonic	ADAM17	2	9661331	9666373	0	0	1	0	0	1	5042	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr20:36361280-36365886	exonic	CTNBL1	20	36361280	36365886	0	0	1	0	0	1	4606	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr3:56597711-56605330	exonic	CCDC66	3	56597711	56605330	0	0	1	0	0	1	7619	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr3:81719988-81754764	exonic	GBE1	3	81719988	81754764	0	0	1	0	0	1	34776	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr4:13378168-13383218	exonic	RAB28	4	13378168	13383218	0	0	1	0	0	1	5050	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr4:177632652-177650900	exonic	VEGFC	4	177632652	177650900	0	0	1	0	0	1	18248	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr4:42003632-42041070	exonic	SLC30A9	4	42003632	42041070	0	0	1	0	0	1	37438	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr5:137284643-137290065	exonic	FAM13B	5	137284643	137290065	0	0	1	0	0	1	5422	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr5:14290824-14336836	exonic	TRIO	5	14290824	14336836	0	0	1	0	0	1	46012	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr5:38903983-38904605	exonic	OSMR	5	38903983	38904605	0	0	1	0	0	1	622	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr7:155556505-155559349	exonic	RBM33	7	155556505	155559349	0	0	1	0	0	1	2844	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr8:124089350-124109681	exonic	TBC1D31	8	124089350	124109681	0	0	1	0	0	1	20331	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr8:143425326-143427253	exonic	TSNARE1	8	143425326	143427253	0	0	1	0	0	1	1927	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr9:125617462-125622410	exonic	RC3H2	9	125617462	125622410	0	0	1	0	0	1	4948	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr9:77742484-77755848	exonic	OSTF1	9	77742484	77755848	0	0	1	0	0	1	13364	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chrX:84558411-84563222	exonic	POF1B	X	84558411	84563222	0	0	1	0	0	1	4811	0.505487634	0.017894172	3.999069959	0.004474584	NA	NA
chr18:44526020-44526886	UTR5	<small>KATNAL2(ENL_031303:c.-5255_-52459delins0)</small>	18	44526020	44526886	6	4	4	14	5	0	866	4.353597456	0.0185367	1.34209372	0.013811778	0.988980146	0.998252924
chr14:38256672-38266152	exonic	TTC6	14	38256672	38266152	3	0	0	0	3	0	9480	0.750043094	0.01921329	3.364522123	0.005710555	NA	NA
chr15:90451511-90454051	exonic	ARPIN, C15orf38-AP3S2	15	90451511	90454051	3	0	0	0	3	0	2540	0.750043094	0.01921329	3.364522123	0.005710555	NA	NA
chr17:1257504-1265302	exonic	YWHAE	17	1257504	1265302	3	0	0	0	3	0	7798	0.750043094	0.01921329	3.364522123	0.005710555	NA	NA
chr21:37734480-37744829	exonic	MORC3	21	37734480	37744829	3	0	0	0	3	0	10349	0.750043094	0.01921329	3.364522123	0.005710555	NA	NA
chr5:142779221-142780417	exonic	NR3C1	5	142779221	142780417	3	0	0	0	3	0	1196	0.750043094	0.01921329	3.364522123	0.005710555	NA	NA
chr5:72157634-72161556	exonic	TNPO1	5	72157634	72161556	3	0	0	0	3	0	3922	0.750043094	0.01921329	3.364522123	0.005710555	NA	NA

chr14:21971315-21972024	exonic	METTL3	14	21971315	21972024	24	16	15	52	19	2	709	17.28728505	0.019230594	0.849748006	0.022630937	0.981944666	0.998252924
chr21:38792601-38802702	exonic	DYRK1A	21	38792601	38802702	7	5	2	3	10	2	10101	4.314471237	0.019616648	1.275614939	0.015378189	0.987730464	0.998252924
chr8:120800577-120810086	exonic	TAF2	8	120800577	120810086	4	1	1	1	4	1	9509	1.786132277	0.020054908	1.840104273	0.010898789	0.991304197	0.998252924
chr9:115166274-115171301	exonic	HSDL2	9	115166274	115171301	3	1	1	1	1	2	5027	1.602281677	0.020089723	1.946315466	0.010321926	0.991764441	0.998252924
chr19:5047486-5082515	exonic	KDM4B	19	5047486	5082515	4	6	5	8	4	4	35029	5.115422897	0.020786471	1.169850442	0.017768486	0.985823546	0.998252924
chr4:129919028-129925031	exonic	SCLT1	4	129919028	129925031	2	0	3	5	2	0	6003	1.623392731	0.021401944	2.109305985	0.010146439	0.991904452	0.998252924
chr1:27056141-27059283	exonic	ARID1A	1	27056141	27059283	33	27	13	35	26	15	3142	23.0174036	0.02245812	0.694391078	0.032342178	0.974199174	0.998252924
chr18:76856475-76936907	exonic	ATP9B	18	76856475	76936907	3	0	4	9	1	0	80432	2.253866819	0.023914345	1.926016473	0.01241648	0.990093337	0.998252924
chr2:43939363-43973102	exonic	PLEKHH2	2	43939363	43973102	3	3	0	8	0	0	33739	1.760279307	0.024545096	2.248649603	0.010915483	NA	NA
chr5:167915606-167921655	exonic	RARS	5	167915606	167921655	53	40	29	37	73	21	6049	38.7692555	0.02471783	0.627700411	0.039378387	0.968588711	0.998252924
chr5:167915606-167922441	exonic	RARS	5	167915606	167922441	53	40	29	37	73	21	6835	38.7692555	0.02471783	0.627700411	0.039378387	0.968588711	0.998252924
chr8:106431371-106456609	exonic	ZFPM2	8	106431371	106456609	7	5	2	13	1	2	25238	4.288338292	0.024738268	1.337127643	0.018501052	0.985239138	0.998252924
chr11:118422500-118430579	exonic	IFT46	11	118422500	118430579	6	2	0	10	0	0	8079	2.185587106	0.025686622	2.107056105	0.012190763	0.990273419	0.998252924
chr15:34548429-34553221	exonic	SLC12A6	15	34548429	34553221	0	0	2	2	1	0	4792	0.728188243	0.026326997	3.139063604	0.008386895	0.993308304	0.998252924
chr17:10628327-10629581	exonic	TMEM220	17	10628327	10629581	0	0	2	2	1	0	1254	0.728188243	0.026326997	3.139063604	0.008386895	0.993308304	0.998252924
chr2:61335451-61345251	exonic	KIAA1841	2	61335451	61345251	0	0	2	2	1	0	9800	0.728188243	0.026326997	3.139063604	0.008386895	0.993308304	0.998252924
chr5:55264103-55265683	exonic	IL6ST	5	55264103	55265683	0	0	2	2	1	0	1580	0.728188243	0.026326997	3.139063604	0.008386895	0.993308304	0.998252924
chr5:95084036-95119667	exonic	RHOBTB3	5	95084036	95119667	0	0	2	2	1	0	35631	0.728188243	0.026326997	3.139063604	0.008386895	0.993308304	0.998252924
chr2:120885264-120932580	exonic	EPB41L5	2	120885264	120932580	13	5	4	21	3	2	47316	6.549343925	0.026970639	1.138414121	0.023691413	NA	NA
chr1:150790395-150799093	exonic	ARNT	1	150790395	150799093	0	0	2	0	1	1	8698	0.823784082	0.02766512	3.055135249	0.009055285	0.992775027	0.998252924
chr22:41531816-41536261	exonic	EP300	22	41531816	41536261	4	0	1	4	2	0	4445	1.380517181	0.028162352	2.246156153	0.012538021	0.989996369	0.998252924
chr17:47388673-47390207	exonic	ZNF652	17	47388673	47390207	3	0	5	5	6	0	1534	2.631027412	0.028561218	1.767782569	0.016156522	0.987109521	0.998252924
chr5:77396776-77461496	exonic	AP3B1	5	77396776	77461496	2	1	1	2	3	0	64720	1.205223746	0.028876437	2.205723424	0.013091595	0.989554717	0.998252924
chr10:112356155-112358048	exonic	SMC3	10	112356155	112358048	18	7	14	23	24	2	1893	12.26971912	0.029143813	0.896380093	0.032512784	0.974063121	0.998252924
chr3:47108559-47139571	exonic	SETD2	3	47108559	47139571	3	4	2	7	5	0	31012	2.827918881	0.029446685	1.560634955	0.0188684	0.984946088	0.998252924
chr3:31917924-31921322	exonic	OSBPL10	3	31917924	31921322	0	3	0	1	1	1	3398	1.058384813	0.029829007	2.577660785	0.011572123	NA	NA
chr7:72301271-72302378	ncRNA_exonic	SBDSP1	7	72301271	72302378	2	5	2	4	8	0	1107	2.917355847	0.030254932	1.57675367	0.019188116	0.984691038	0.998252924
chr13:37614541-37625720	exonic	SUPT20H	13	37614541	37625720	3	2	1	0	1	3	11179	1.9784647	0.030549146	1.932266752	0.015810005	NA	NA
chr2:110321942-110350696	exonic		2	110321942	110350696	6	5	3	10	4	2	28754	4.400768485	0.032376927	1.229696307	0.026329206	0.97899476	0.998252924
chr1:149931602-149936274	exonic	OTUD7B	1	149931602	149936274	0	0	3	5	0	0	4672	1.123364002	0.032650022	2.909488669	0.011221911	NA	NA
chr17:67124759-67130883	exonic	ABCA6	17	67124759	67130883	0	0	3	5	0	0	6124	1.123364002	0.032650022	2.909488669	0.011221911	NA	NA
chr5:142421380-142437312	exonic	ARHGAP26	5	142421380	142437312	0	0	3	5	0	0	15932	1.123364002	0.032650022	2.909488669	0.011221911	NA	NA
chr4:56277780-56290810	exonic	TMEM165	4	56277780	56290810	0	3	0	0	4	0	13030	1.006937084	0.034295406	3.027349658	0.011328525	NA	NA
chr8:30034641-30038146	exonic	DCTN6	8	30034641	30038146	0	3	0	0	4	0	3505	1.006937084	0.034295406	3.027349658	0.011328525	NA	NA
chrX:51070573-51099879	exonic	NUDT10	X	51070573	51099879	0	3	0	0	4	0	29306	1.006937084	0.034295406	3.027349658	0.011328525	NA	NA

chr20:47307484-47309328	exonic	PREX1	20	47307484	47309328	3	3	2	10	1	0	1844	2.48846755	0.034496767	1.710069586	0.020172727	NA	NA
chr3:51575514-51624575	exonic	RAD54L2	3	51575514	51624575	9	3	3	13	6	0	49061	4.383729497	0.034775767	1.347562611	0.02580642	0.979411741	0.998252924
chr19:1032390-1032695	exonic	CNN2	19	1032390	1032695	0	3	2	3	0	2	305	1.852736821	0.035388622	2.071533204	0.017083299	0.986370162	0.998252924
chr1:28802618-28807116	exonic	PHACTR4	1	28802618	28807116	5	0	1	4	3	0	4498	1.630531545	0.036439498	2.11012418	0.017268888	0.986222106	0.998252924
chrX:24091718-24093076	intronic	EIF2S3	X	24091718	24093076	8	0	7	6	0	6	1358	4.899958685	0.036791729	1.537850744	0.023924122	0.980913133	0.998252924
chr5:159520107-159521072	exonic	PWWP2A	5	159520107	159521072	3	2	0	3	3	0	965	1.417528847	0.038656333	2.191556736	0.017638755	0.985927039	0.998252924
chr4:87967317-87968746	exonic	AFF1	4	87967317	87968746	26	8	8	31	14	0	1429	17.40137437	0.038754035	0.869924023	0.044548758	0.964466987	0.998252924
chr2:128922303-128928858	exonic	UGGT1	2	128922303	128928858	3	1	1	2	4	0	6555	1.45523811	0.039081894	2.055588466	0.019012509	0.984831127	0.998252924
chr20:57574398-57574864	intronic	CTSZ	20	57574398	57574864	6	0	4	3	3	3	466	3.169670006	0.039165266	1.552150184	0.02523291	0.979869187	0.998252924
chr15:50862083-50868116	exonic	TRPM7	15	50862083	50868116	1	0	2	1	3	0	6033	0.992918644	0.03926371	2.583427747	0.0151983	0.987873978	0.998252924
chr1:115005725-115006178	exonic	TRIM33	1	115005725	115006178	2	0	0	2	0	0	453	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr1:118424444-118463047	exonic	GDAP2	1	118424444	118463047	2	0	0	2	0	0	38603	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr1:151261003-151261747	exonic	ZNF687	1	151261003	151261747	2	0	0	2	0	0	744	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr1:154223516-154224129	exonic	UBAP2L	1	154223516	154224129	2	0	0	2	0	0	613	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr1:1747194-1756938	exonic	GNB1	1	1747194	1756938	2	0	0	2	0	0	9744	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr10:11971863-11994248	exonic	UPF2	10	11971863	11994248	2	0	0	2	0	0	22385	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr10:12257738-12280484	exonic	CDC123	10	12257738	12280484	2	0	0	2	0	0	22746	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr10:124339093-124357528	exonic	DMBT1	10	124339093	124357528	2	0	0	2	0	0	18435	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr10:124348460-124352111	exonic	DMBT1	10	124348460	124352111	2	0	0	2	0	0	3651	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr10:124350181-124390797	exonic	DMBT1	10	124350181	124390797	2	0	0	2	0	0	40616	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr10:32847914-32873232	exonic	CCDC7	10	32847914	32873232	2	0	0	2	0	0	25318	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr11:106849345-106856857	exonic	GUCY1A2	11	106849345	106856857	2	0	0	2	0	0	7512	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr11:108005869-108019585	exonic	ACAT1	11	108005869	108019585	2	0	0	2	0	0	13716	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr11:92042770-92088570	exonic	FAT3	11	92042770	92088570	2	0	0	2	0	0	45800	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr12:124882664-124941708	exonic	NCOR2	12	124882664	124941708	2	0	0	2	0	0	59044	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr12:23998916-24048958	exonic	SOX5	12	23998916	24048958	2	0	0	2	0	0	50042	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr12:3018695-3031568	exonic	TULP3	12	3018695	3031568	2	0	0	2	0	0	12873	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr14:51710573-51716483	exonic	TMX1	14	51710573	51716483	2	0	0	2	0	0	5910	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr14:59730158-59758024	exonic	DAAM1	14	59730158	59758024	2	0	0	2	0	0	27866	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr15:44941063-44944464	exonic	SPG11	15	44941063	44944464	2	0	0	2	0	0	3401	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr15:65223019-65226434	exonic	ANKDD1A	15	65223019	65226434	2	0	0	2	0	0	3415	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr15:86205618-86253876	exonic	AKAP13	15	86205618	86253876	2	0	0	2	0	0	48258	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr15:91161114-91172764	exonic	CRTC3	15	91161114	91172764	2	0	0	2	0	0	11650	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr16:70247564-70256383	ncRNA_exonic	SMG1P7	16	70247564	70256383	2	0	0	2	0	0	8819	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr16:70566381-70578436	exonic	SF3B3	16	70566381	70578436	2	0	0	2	0	0	12055	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924

chr17:58756813-59161925	exonic	BCAS3	17	58756813	59161925	2	0	0	2	0	0	405112	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr17:8397050-8398559	exonic	MYH10	17	8397050	8398559	2	0	0	2	0	0	1509	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr18:29477748-29497630	exonic	TRAPPC8	18	29477748	29497630	2	0	0	2	0	0	19882	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr19:38834219-38835008	exonic	CATSPERG	19	38834219	38835008	2	0	0	2	0	0	789	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr19:50998560-50999865	intergenic	EMC10 (dist=11777), JOSD2 (dist=9389)	19	50998560	50999865	2	0	0	2	0	0	1305	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr19:58287911-58291514	exonic	ZNF586	19	58287911	58291514	2	0	0	2	0	0	3603	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr19:9923672-9926440	UTR5		19	9923672	9926440	2	0	0	2	0	0	2768	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr2:122154715-122168545	exonic	CLASP1	2	122154715	122168545	2	0	0	2	0	0	13830	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr2:30682417-30756180	exonic	LCLAT1	2	30682417	30756180	2	0	0	2	0	0	73763	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr20:17956108-17956861	exonic	MGME1	20	17956108	17956861	2	0	0	2	0	0	753	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr20:2928627-2955887	exonic	PTPRA	20	2928627	2955887	2	0	0	2	0	0	27260	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr20:45891031-45912392	exonic	ZMYND8	20	45891031	45912392	2	0	0	2	0	0	21361	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr20:45915972-45919018	exonic	ZMYND8	20	45915972	45919018	2	0	0	2	0	0	3046	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr22:46088875-46125470	exonic	ATXN10	22	46088875	46125470	2	0	0	0	0	0	36595	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr22:46096161-46125470	exonic	ATXN10	22	46096161	46125470	2	0	0	2	0	0	29309	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:123345664-123348473	exonic	MYLK	3	123345664	123348473	2	0	0	2	0	0	2809	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:129177441-129183624	exonic	IFT122	3	129177441	129183624	2	0	0	2	0	0	6183	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:129304794-129305562	exonic	PLXND1	3	129304794	129305562	2	0	0	2	0	0	768	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:197597031-197602646	exonic	LRCH3	3	197597031	197602646	2	0	0	2	0	0	5615	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:36931320-36949945	exonic	TRANK1	3	36931320	36949945	2	0	0	2	0	0	18625	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:49362134-49363278	exonic	USP4	3	49362134	49363278	2	0	0	2	0	0	1144	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr3:54905565-54933895	exonic	CACNA2D3	3	54905565	54933895	2	0	0	2	0	0	28330	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr4:83375874-83378191	exonic	ENOPH1	4	83375874	83378191	2	0	0	2	0	0	2317	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr5:159516513-159521072	exonic	PWWP2A	5	159516513	159521072	2	0	0	2	0	0	4559	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr5:56517203-56527148	exonic	GPBP1	5	56517203	56527148	2	0	0	2	0	0	9945	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:111632271-111652987	exonic	REV3L	6	111632271	111652987	2	0	0	2	0	0	20716	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:117840978-117866760	exonic	DCBLD1	6	117840978	117866760	2	0	0	2	0	0	25782	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:146956510-146978116	exonic	ADGB	6	146956510	146978116	2	0	0	2	0	0	21606	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:154520802-154535410	exonic	IPCEF1	6	154520802	154535410	2	0	0	2	0	0	14608	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:25466100-25488813	exonic	LRRC16A	6	25466100	25488813	2	0	0	2	0	0	22713	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:43523572-43535091	exonic	XPO5	6	43523572	43535091	2	0	0	2	0	0	11519	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr6:69640450-69666701	exonic	ADGRB3	6	69640450	69666701	2	0	0	2	0	0	26251	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr7:138768525-138774505	exonic	ZC3HAV1	7	138768525	138774505	2	0	0	2	0	0	5980	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr7:66236869-66240380	exonic	RABGEF1	7	66236869	66240380	2	0	0	2	0	0	3511	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr8:68930080-68956825	exonic	PREX2	8	68930080	68956825	2	0	0	2	0	0	26745	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924

chr8:95839490-95844402	exonic	INTS8	8	95839490	95844402	2	0	0	2	0	0	4912	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chrX:200833-209885	exonic	PLCXD1	X	200833	209885	2	0	0	2	0	0	9052	0.470596656	0.040266925	4.019122918	0.010018834	0.992006261	0.998252924
chr2:58425728-58459247	exonic	FANCL	2	58425728	58459247	15	8	12	16	10	9	33519	11.3814627	0.040354384	0.868830881	0.046446766	0.962954163	0.998252924
chr10:70719561-70720005	exonic	DDX21	10	70719561	70720005	8	0	4	3	5	3	444	3.669698735	0.040610359	1.471939997	0.027589684	0.97798941	0.998252924
chr17:44248220-44249598	exonic	KANSL1	17	44248220	44249598	28	12	7	48	13	0	1378	13.76013014	0.041464839	1.033783733	0.040109781	0.968005604	0.998252924
chr7:99621041-99621930	exonic	ZKSCAN1	7	99621041	99621930	34	16	15	34	15	15	889	20.18628178	0.041641851	0.74180097	0.05613615	0.955233346	0.998252924
chr4:52729602-52758017	exonic	DCUN1D4	4	52729602	52758017	7	4	0	6	4	2	28415	2.991796802	0.042312374	1.450744296	0.029165977	0.976732216	0.998252924
chr12:1480998-1553916	exonic	ERC1	12	1480998	1553916	4	1	1	2	3	1	72918	1.77141624	0.042719054	1.815620228	0.023528629	0.981228602	0.998252924
chr8:28013458-28019595	exonic	ELP3	8	28013458	28019595	9	2	1	8	4	1	6137	3.349522486	0.042899721	1.439447211	0.029802913	NA	NA
chr7:8257934-8275635	exonic	ICA1	7	8257934	8275635	2	2	2	5	3	0	17701	1.895702726	0.044310433	1.823995883	0.024293055	0.980618853	0.998252924
chr6:170626457-170639638	exonic	FAM120B	6	170626457	170639638	2	4	3	4	8	0	13181	2.940349073	0.045659937	1.560584475	0.029258228	0.976658642	0.998252924
chr3:107429298-107435696	exonic	BBX	3	107429298	107435696	3	2	5	3	4	3	6398	3.449557223	0.046479676	1.389927924	0.03344035	0.973323433	0.998252924
chr11:77409531-77413540	exonic	RSF1	11	77409531	77413540	10	2	3	10	4	2	4009	4.393888859	0.046689962	1.265023838	0.036908365	0.97055807	0.998252924
chr5:65349233-65350779	exonic	ERBB2IP	5	65349233	65350779	3	8	7	5	15	2	1546	6.12545587	0.047452067	1.148951837	0.04130031	NA	NA
chr5:170305100-170351554	exonic	RANBP17	5	170305100	170351554	2	2	1	0	2	2	46454	1.66228657	0.04765848	2.013043006	0.023674844	0.981111972	0.998252924
chr17:35800605-35804870	exonic	TADA2A	17	35800605	35804870	0	2	3	2	1	2	4265	1.890446084	0.049370043	1.930440258	0.025574499	0.979596726	0.998252924
chr6:5404774-5431405	exonic	FARS2	6	5404774	5431405	2	2	1	0	4	1	26631	1.596122805	0.051462265	2.034028527	0.02530066	0.979815147	0.998252924
chr1:38332131-38339760	exonic	INPP5B	1	38332131	38339760	4	3	0	9	0	0	7629	1.995577635	0.05189802	2.155684294	0.024074963	NA	NA
chr6:18236682-18258636	exonic	DEK	6	18236682	18258636	23	19	13	23	23	11	21954	17.46163445	0.052961357	0.734653454	0.072090258	0.942530079	0.998252924
chr11:68367808-68370960	exonic	PPP6R3	11	68367808	68370960	1	1	1	3	1	0	3152	0.940493345	0.053447847	2.464191975	0.021689806	0.982695395	0.998252924
chr20:32207322-32216241	exonic	CBFA2T2	20	32207322	32216241	1	1	1	3	1	0	8919	0.940493345	0.053447847	2.464191975	0.021689806	0.982695395	0.998252924
chr7:97820039-97823884	exonic	LMTK2	7	97820039	97823884	9	2	1	9	3	1	3845	3.334806449	0.054308844	1.453738439	0.037358057	NA	NA
chr10:27431315-27434519	exonic	YME1L1	10	27431315	27434519	2	0	5	0	5	2	3204	2.46589334	0.05510492	1.890219655	0.029152654	0.976742842	0.998252924
chr16:68155889-68157024	exonic	NFATC3	16	68155889	68157024	18	14	19	19	39	4	1135	16.48259785	0.055452436	0.815084543	0.068032741	NA	NA
chr1:145592633-145595220	exonic	POLR3C	1	145592633	145595220	5	2	3	10	3	0	2587	3.011489505	0.05569894	1.545761416	0.036033336	0.971255778	0.998252924
chr15:73064123-73067438	exonic	ADPGK	15	73064123	73067438	4	1	0	6	0	0	3315	1.328091881	0.056298431	2.502289012	0.022498772	NA	NA
chr20:45891031-45905539	exonic	ZMYND8	20	45891031	45905539	4	3	2	3	2	3	14508	2.918958045	0.056444444	1.479447941	0.038152366	0.969566199	0.998252924
chr3:136183722-136221621	exonic	STAG1	3	136183722	136221621	0	1	1	2	2	0	37899	1.43338326	0.058034267	2.240935948	0.025897334	0.979339226	0.998252924
chr18:45391429-45396935	exonic	SMAD2	18	45391429	45396935	1	2	3	2	2	2	5506	2.140460449	0.05807217	1.704498728	0.03406994	0.972821379	0.998252924
chr9:123924133-123928458	exonic	CNTRL	9	123924133	123928458	7	7	2	3	8	4	4325	5.037405209	0.058085858	1.210317402	0.047992252	0.961722418	0.998252924
chr12:122861935-122865105	exonic	CLIP1	12	122861935	122865105	3	0	1	5	0	0	3170	1.11578678	0.059874212	2.663544437	0.022479149	0.982065745	0.998252924
chr3:98568304-98600611	exonic	DCBLD2	3	98568304	98600611	0	3	0	1	3	0	32307	0.992221048	0.060064653	2.792838804	0.021506667	NA	NA
chr5:173371969-173380275	exonic	CPEB4	5	173371969	173380275	0	3	0	1	3	0	8306	0.992221048	0.060064653	2.792838804	0.021506667	NA	NA
chr2:208589523-208607066	exonic	CCNYL1	2	208589523	208607066	2	3	0	1	5	0	17543	1.492249777	0.060184412	2.204329657	0.027302818	0.978218209	0.998252924
chr15:72810407-72853890	exonic	ARH1	15	72810407	72853890	0	1	0	0	4	0	43483	1.934596565	0.06164806	2.033958473	0.0303094	0.9758203	0.998252924

chr12:19615443-19667718	exonic	AEBP2	12	19615443	19667718	0	3	0	2	0	1	52275	1.043668776	0.062210768	2.771203787	0.022449005	NA	NA
chr11:93480462-93493024	exonic	C11orf54	11	93480462	93493024	2	2	0	4	1	0	12562	1.152798446	0.062474701	2.409052237	0.025933311	NA	NA
chr15:62315609-62327251	exonic	VPS13C	15	62315609	62327251	3	0	0	1	2	0	11642	0.735327057	0.062940308	3.105873206	0.020264932	NA	NA
chr5:137342678-137354203	exonic	FAM13B	5	137342678	137354203	3	2	0	2	2	0	11525	0.735327057	0.062940308	3.105873206	0.020264932	NA	NA
chr8:143412261-143427253	exonic	TSNARE1	8	143412261	143427253	3	0	0	1	2	0	14992	0.735327057	0.062940308	3.105873206	0.020264932	NA	NA
chr11:68363564-68370960	exonic	PPP6R3	11	68363564	68370960	3	1	1	3	3	0	7396	1.440522074	0.063397178	2.052311285	0.030890625	0.975356767	0.998252924
chr13:25072253-25077915	exonic	PARP4	13	25072253	25077915	1	2	0	4	0	0	5662	0.902784082	0.067880094	2.889833438	0.023489276	NA	NA
chr7:66038371-66041919	ncRNA_exonic	GSI-124K5.11	7	66038371	66041919	2	0	0	9	0	2	3548	0.902784082	0.067880094	2.889833438	0.023489276	NA	NA
chr8:6582390-6605349	exonic	AGPAT5	8	6582390	6605349	1	2	0	4	0	0	22959	0.902784082	0.067880094	2.889833438	0.023489276	NA	NA
chr17:73238416-73239651	exonic	GGA3	17	73238416	73239651	4	6	0	11	2	0	1235	2.973082646	0.069344419	1.727395908	0.040143906	0.967978398	0.998252924
chr10:98602060-98602482	intronic	LCOR	10	98602060	98602482	0	0	3	0	0	2	422	1.208244294	0.070618256	2.891412666	0.024423444	NA	NA
chr7:105733394-105739728	exonic	SYPL1	7	105733394	105739728	0	0	3	0	0	2	6334	1.208244294	0.070618256	2.891412666	0.024423444	NA	NA
chr6:32024363-32035761	exonic	TNXB	6	32024363	32035761	4	0	0	0	4	0	11398	1.000057458	0.072265369	3.019385677	0.023933799	NA	NA
chr1:100905487-100933650	exonic	CDC14A	1	100905487	100933650	1	0	0	1	0	0	28163	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:10351139-10357304	exonic	KIF1B	1	10351139	10357304	1	0	0	1	0	0	6165	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:10355143-10357304	exonic	KIF1B	1	10355143	10357304	1	0	0	1	0	0	2161	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:117303023-117307228	exonic	CD2	1	117303023	117307228	1	0	0	1	0	0	4205	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:153640030-153641033	exonic	ILF2	1	153640030	153641033	1	0	0	1	0	0	1003	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:170927601-170941024	exonic	MROH9	1	170927601	170941024	1	0	0	1	0	0	13423	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:202920057-202923435	exonic	ADIPOR1	1	202920057	202923435	1	0	0	1	0	0	3378	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:204437997-204439014	exonic	PIK3C2B	1	204437997	204439014	1	0	0	1	0	0	1017	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:237837395-237843877	exonic	RYR2	1	237837395	237843877	1	0	0	1	0	0	6482	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:29386933-29424447	exonic	EPB41	1	29386933	29424447	1	0	0	1	0	0	37514	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:35870623-35881315	exonic	ZMYM4	1	35870623	35881315	1	0	0	1	0	0	10692	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:39815149-39854330	exonic	MACF1	1	39815149	39854330	1	0	0	1	0	0	39181	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:41608549-41618413	exonic	SCMH1	1	41608549	41618413	1	0	0	1	0	0	9864	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:48771458-48869554	exonic	SPATA6	1	48771458	48869554	1	0	0	1	0	0	98096	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:120801505-120803654	exonic	EIF3A	10	120801505	120803654	1	0	0	1	0	0	2149	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:127693452-127697119	exonic	FANK1	10	127693452	127697119	1	0	0	1	0	0	3667	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:15628582-15646354	exonic	ITGA8	10	15628582	15646354	1	0	0	1	0	0	17772	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:29788044-29801790	exonic	SVIL	10	29788044	29801790	1	0	0	1	0	0	13746	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:29843711-29844037	exonic	SVIL	10	29843711	29844037	1	0	0	1	0	0	326	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:30739186-30739448	exonic	MAP3K8	10	30739186	30739448	1	0	0	1	0	0	262	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:34759012-34985347	exonic	PARD3	10	34759012	34985347	1	0	0	1	0	0	226335	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:64948927-64957323	exonic	JMJD1C	10	64948927	64957323	1	0	0	1	0	0	8396	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr10:88230748-88277848	exonic	WAPL	10	88230748	88277848	1	0	0	1	0	0	47100	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:118245610-118247409	exonic	UBE4A	11	118245610	118247409	1	0	0	1	0	0	1799	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:11944270-11958057	exonic	USP47	11	11944270	11958057	1	0	0	1	0	0	13787	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:3789810-3794969	exonic	NUP98	11	3789810	3794969	1	0	0	1	0	0	5159	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:73789159-73789762	exonic	C2CD3	11	73789159	73789762	1	0	0	1	0	0	603	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:75167801-75173934	exonic	GDPD5	11	75167801	75173934	1	0	0	1	0	0	6133	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:77333544-77336863	exonic	CLNS1A	11	77333544	77336863	1	0	0	1	0	0	3319	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:100166699-100206089	exonic	ANKS1B	12	100166699	100206089	1	0	0	1	0	0	39390	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:104376576-104379506	exonic	TDG	12	104376576	104379506	1	0	0	1	0	0	2930	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:104712690-104721449	exonic	TXNRD1	12	104712690	104721449	1	0	0	1	0	0	8759	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:108136973-108140201	exonic	PRDM4	12	108136973	108140201	1	0	0	1	0	0	3228	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:120998528-121001746	exonic	RNF10	12	120998528	121001746	1	0	0	1	0	0	3218	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:121666335-121666902	exonic	P2RX4	12	121666335	121666902	1	0	0	1	0	0	567	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:122181534-122190129	exonic	TMEM120B	12	122181534	122190129	1	0	0	1	0	0	8595	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:122773035-122819252	exonic	CLIP1	12	122773035	122819252	1	0	0	1	0	0	46217	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:124911167-124934413	exonic	NCOR2	12	124911167	124934413	1	0	0	1	0	0	23246	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:20709593-20807139	exonic	PDE3A	12	20709593	20807139	1	0	0	1	0	0	97546	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:22059059-22070037	exonic	ABCC9	12	22059059	22070037	1	0	0	1	0	0	10978	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:51461455-51467865	exonic	CSRNP2	12	51461455	51467865	1	0	0	1	0	0	6410	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:6182784-6184717	exonic	VWF	12	6182784	6184717	1	0	0	1	0	0	1933	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:70974815-70984013	exonic	PTPRB	12	70974815	70984013	1	0	0	1	0	0	9198	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:101997616-102051516	exonic	NALCN	13	101997616	102051516	1	0	0	1	0	0	53900	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:23939304-23945304	exonic	SACS	13	23939304	23945304	1	0	0	1	0	0	6000	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:25881943-25887889	exonic	NUP58	13	25881943	25887889	1	0	0	1	0	0	5946	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:61041371-61060082	exonic	TDRD3	13	61041371	61060082	1	0	0	1	0	0	18711	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:77798585-77818086	exonic	MYCBP2	13	77798585	77818086	1	0	0	1	0	0	19501	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:102797958-102805560	exonic	ZNF839	14	102797958	102805560	1	0	0	1	0	0	7602	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:71540261-71543136	exonic	PCNX	14	71540261	71543136	1	0	0	1	0	0	2875	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:100692816-100695525	exonic	ADAMTS17	15	100692816	100695525	1	0	0	1	0	0	2709	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:28491026-28492043	exonic	HERC2	15	28491026	28492043	1	0	0	1	0	0	1017	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:41763369-41769713	exonic	RTF1	15	41763369	41769713	1	0	0	1	0	0	6344	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:62221699-62244179	exonic	VPS13C	15	62221699	62244179	1	0	0	1	0	0	22480	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:64019845-64041990	exonic	HERC1	15	64019845	64041990	1	0	0	1	0	0	22145	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:11791980-11815526	exonic	TXNDC11	16	11791980	11815526	1	0	0	1	0	0	23546	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:15865425-15880589	exonic	MYH11	16	15865425	15880589	1	0	0	1	0	0	15164	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr16:23999828-24046868	exonic	PRKCB	16	23999828	24046868	1	0	0	1	0	0	47040	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:29367107-29376380	ncRNA_exonic	SNX29P2	16	29367107	29376380	1	0	0	1	0	0	9273	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:68900981-68914533	exonic	TANGO6	16	68900981	68914533	1	0	0	1	0	0	13552	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:88008653-88052273	exonic	BANP	16	88008653	88052273	1	0	0	1	0	0	43620	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:33997875-34009843	exonic	AP2B1	17	33997875	34009843	1	0	0	1	0	0	11968	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:36969047-36971350	exonic	CWC25	17	36969047	36971350	1	0	0	1	0	0	2303	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:48216627-48218738	exonic	PPP1R9B	17	48216627	48218738	1	0	0	1	0	0	2111	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:60757814-60758138	exonic	MRC2	17	60757814	60758138	1	0	0	1	0	0	324	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:72691863-72694620	exonic	CD300LF	17	72691863	72694620	1	0	0	1	0	0	2757	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:73607739-73607946	exonic	MYO15B	17	73607739	73607946	1	0	0	1	0	0	207	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:78196453-78201759	exonic	SLC26A11	17	78196453	78201759	1	0	0	1	0	0	5306	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:18600111-18624147	exonic	ROCK1	18	18600111	18624147	1	0	0	1	0	0	24036	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:46783379-46812986	exonic	DYM	18	46783379	46812986	1	0	0	1	0	0	29607	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:14156965-14157430	exonic	IL27RA	19	14156965	14157430	1	0	0	1	0	0	465	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:325634-327989	exonic	MIER2	19	325634	327989	1	0	0	1	0	0	2355	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:41774127-41787180	exonic	HNRNPUL1	19	41774127	41787180	1	0	0	1	0	0	13053	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:48724986-48744320	exonic	CARD8	19	48724986	48744320	1	0	0	1	0	0	19334	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:101645952-101648847	exonic	TBC1D8	2	101645952	101648847	1	0	0	1	0	0	2895	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:109964129-109988137	exonic	SH3RF3	2	109964129	109988137	1	0	0	1	0	0	24008	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:113939922-113943832	exonic	PSD4	2	113939922	113943832	1	0	0	1	0	0	3910	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:122187648-122227536	exonic	CLASP1	2	122187648	122227536	1	0	0	1	0	0	39888	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:135694410-135705469	exonic	CCNT2	2	135694410	135705469	1	0	0	1	0	0	11059	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:144899448-144994906	exonic	GTDC1	2	144899448	144994906	1	0	0	1	0	0	95458	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:160104882-160136456	exonic	WDSUB1	2	160104882	160136456	1	0	0	1	0	0	31574	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:179455865-179465394	exonic	TTN	2	179455865	179465394	1	0	0	1	0	0	9529	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:20453582-20455931	exonic	PUM2	2	20453582	20455931	1	0	0	1	0	0	2349	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:214204886-214239843	exonic	SPAG16	2	214204886	214239843	1	0	0	1	0	0	34957	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:240055940-240085619	exonic	HDAC4	2	240055940	240085619	1	0	0	1	0	0	29679	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:36749234-36764689	exonic	CRIM1	2	36749234	36764689	1	0	0	1	0	0	15455	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:37215788-37229715	exonic	HEATR5B	2	37215788	37229715	1	0	0	1	0	0	13927	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:43939363-43953590	exonic	PLEKHH2	2	43939363	43953590	1	0	0	1	0	0	14227	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:47606091-47607108	exonic	EPCAM	2	47606091	47607108	1	0	0	1	0	0	1017	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:66691240-66775151	exonic	MEIS1	2	66691240	66775151	1	0	0	1	0	0	83911	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:70402804-70409129	exonic	C2orf42	2	70402804	70409129	1	0	0	1	0	0	6325	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:25612793-25615463	ncRNA_exonic	ZNF337-AS1	20	25612793	25615463	1	0	0	1	0	0	2670	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr20:33107224-33122599	exonic	DYNLRB1	20	33107224	33122599	1	0	0	1	0	0	15375	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:35288739-35299800	exonic	NDRG3	20	35288739	35299800	1	0	0	1	0	0	11061	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:43128898-43142681	exonic	SERINC3	20	43128898	43142681	1	0	0	1	0	0	13783	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:9317772-9319684	exonic	PLCB4	20	9317772	9319684	1	0	0	1	0	0	1912	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr21:40585406-40646398	exonic	BRWD1	21	40585406	40646398	1	0	0	1	0	0	60992	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr22:24720187-24765288	exonic	SPECC1L	22	24720187	24765288	1	0	0	1	0	0	45101	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr22:36712561-36714370	exonic	MYH9	22	36712561	36714370	1	0	0	1	0	0	1809	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:124536467-124567405	exonic	ITGB5	3	124536467	124567405	1	0	0	1	0	0	30938	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:12645634-12647798	exonic	RAF1	3	12645634	12647798	1	0	0	1	0	0	2164	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:169098974-169099312	exonic	MECOM	3	169098974	169099312	1	0	0	1	0	0	338	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:178921331-178942609	exonic	PIK3CA	3	178921331	178942609	1	0	0	1	0	0	21278	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:197483296-197497115	exonic	FYTTD1	3	197483296	197497115	1	0	0	1	0	0	13819	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:44434346-44442826	exonic	TCAIM	3	44434346	44442826	1	0	0	1	0	0	8480	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:50004902-50036946	exonic	RBM6	3	50004902	50036946	1	0	0	1	0	0	32044	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:53531178-53535747	exonic	CACNA1D	3	53531178	53535747	1	0	0	1	0	0	4569	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:77595488-77617585	exonic	ROBO2	3	77595488	77617585	1	0	0	1	0	0	22097	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:103970049-103979128	exonic	SLC9B2	4	103970049	103979128	1	0	0	1	0	0	9079	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:148453657-148461637	exonic	EDNRA	4	148453657	148461637	1	0	0	1	0	0	7980	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:185593326-185603490	exonic	PRIMPOL	4	185593326	185603490	1	0	0	1	0	0	10164	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:68527906-68547931	exonic	UBA6	4	68527906	68547931	1	0	0	1	0	0	20025	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:118264231-118280344	exonic	DTWD2	5	118264231	118280344	1	0	0	1	0	0	16113	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:125885620-125890085	exonic	ALDH7A1	5	125885620	125890085	1	0	0	1	0	0	4465	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:136969725-136975666	exonic	KLHL3	5	136969725	136975666	1	0	0	1	0	0	5941	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:73045661-73049027	exonic	ARHGEF28	5	73045661	73049027	1	0	0	1	0	0	3366	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:75884730-75886411	exonic	IQGAP2	5	75884730	75886411	1	0	0	1	0	0	1681	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:129932677-129950667	exonic	ARHGAP18	6	129932677	129950667	1	0	0	1	0	0	17990	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:15496362-15501640	exonic	JARID2	6	15496362	15501640	1	0	0	1	0	0	5278	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:157405795-157454341	exonic	ARID1B	6	157405795	157454341	1	0	0	1	0	0	48546	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:160103505-160106065	exonic	SOD2	6	160103505	160106065	1	0	0	1	0	0	2560	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:17837108-17837814	exonic	KIF13A	6	17837108	17837814	1	0	0	1	0	0	706	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:37336153-37339350	exonic	RNF8	6	37336153	37339350	1	0	0	1	0	0	3197	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:41533482-41545819	exonic	FOXP4	6	41533482	41545819	1	0	0	1	0	0	12337	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:43565432-43568828	exonic	POLH	6	43565432	43568828	1	0	0	1	0	0	3396	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:56357731-56368896	exonic	DST	6	56357731	56368896	1	0	0	1	0	0	11165	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:56498929-56501450	exonic	DST	6	56498929	56501450	1	0	0	1	0	0	2521	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr7:11053373-11091407	exonic	PHF14	7	11053373	11091407	1	0	0	1	0	0	38034	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:111624360-111644186	exonic	DOCK4	7	111624360	111644186	1	0	0	1	0	0	19826	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:140476711-140487384	exonic	BRAF	7	140476711	140487384	1	0	0	1	0	0	10673	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:155499553-155538296	exonic	RBM33	7	155499553	155538296	1	0	0	1	0	0	38743	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:156516805-156619438	exonic	LMBR1	7	156516805	156619438	1	0	0	1	0	0	102633	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:22999874-23023664	exonic	FAM126A	7	22999874	23023664	1	0	0	1	0	0	23790	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:30818047-30876380	exonic	FAM188B	7	30818047	30876380	1	0	0	1	0	0	58333	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:37262219-37382367	exonic	ELMO1	7	37262219	37382367	1	0	0	1	0	0	120148	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:6840578-6844686	exonic	CCZ1B	7	6840578	6844686	1	0	0	1	0	0	4108	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:86990705-86998800	exonic	CROT	7	86990705	86998800	1	0	0	1	0	0	8095	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:98985661-98987635	exonic	ARPC1B	7	98985661	98987635	1	0	0	1	0	0	1974	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:101281012-101300495	exonic	RNF19A	8	101281012	101300495	1	0	0	1	0	0	19483	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:69039612-69069671	exonic	PREX2	8	69039612	69069671	1	0	0	1	0	0	30059	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:69046293-69058587	exonic	PREX2	8	69046293	69058587	1	0	0	1	0	0	12294	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:90982591-90990551	exonic	NBN	8	90982591	90990551	1	0	0	1	0	0	7960	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:100756912-100767435	exonic	ANP32B	9	100756912	100767435	1	0	0	1	0	0	10523	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:126319848-126414402	exonic	DENND1A	9	126319848	126414402	1	0	0	1	0	0	94554	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:128230250-128268696	exonic	MAPKAP1	9	128230250	128268696	1	0	0	1	0	0	38446	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:134049441-134064518	exonic	NUP214	9	134049441	134064518	1	0	0	1	0	0	15077	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:140685299-140695436	exonic	EHMT1	9	140685299	140695436	1	0	0	1	0	0	10137	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:140685299-140712590	exonic	EHMT1	9	140685299	140712590	1	0	0	1	0	0	27291	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:2115821-2123937	exonic	SMARCA2	9	2115821	2123937	1	0	0	1	0	0	8116	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:33886878-33900269	exonic	UBE2R2	9	33886878	33900269	1	0	0	1	0	0	13391	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:33932559-33933626	exonic	UBAP2	9	33932559	33933626	1	0	0	1	0	0	1067	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:4833153-4849550	exonic	RCL1	9	4833153	4849550	1	0	0	1	0	0	16397	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:88270057-88287596	exonic	AGTPBP1	9	88270057	88287596	1	0	0	1	0	0	17539	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chrX:133607388-133632714	exonic	HPRT1	X	133607388	133632714	1	0	0	1	0	0	25326	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chrX:299338-308428	exonic	PPP2R3B	X	299338	308428	1	0	0	1	0	0	9090	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chrX:96167326-96220206	exonic	DIAPH2	X	96167326	96220206	1	0	0	1	0	0	52880	0.235298328	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:111690263-111690675	exonic	CEPT1	1	111690263	111690675	0	0	1	1	0	0	412	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:113196219-113209767	exonic	CAPZA1	1	113196219	113209767	0	0	1	1	0	0	13548	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:1192371-1203372	exonic	UBE2J2	1	1192371	1203372	0	1	0	1	0	0	11001	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:145769407-145803388	exonic	GPR89A	1	145769407	145803388	0	1	0	1	0	0	33981	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:153784497-153800824	exonic	GATAD2B	1	153784497	153800824	0	1	0	1	0	0	16327	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:19519926-19523759	exonic	UBR4	1	19519926	19523759	0	1	0	1	0	0	3833	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr1:197157421-197161029	exonic	ZBTB41	1	197157421	197161029	0	1	0	1	0	0	3608	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:198201682-198266370	exonic	NEK7	1	198201682	198266370	0	1	0	1	0	0	64688	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:200776503-200784772	exonic	CAMSAP2	1	200776503	200784772	0	0	1	1	0	0	8269	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:208315673-208391347	exonic	PLXNA2	1	208315673	208391347	0	1	0	1	0	0	75674	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:212502476-212506940	exonic	PPP2R5A	1	212502476	212506940	0	1	0	1	0	0	4464	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:215747128-215753342	exonic	KCTD3	1	215747128	215753342	0	0	1	1	0	0	6214	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:227213755-227223308	exonic	CDC42BPA	1	227213755	227223308	0	0	1	1	0	0	9553	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:233296028-233344435	exonic	PCNXL2	1	233296028	233344435	0	0	1	1	0	0	48407	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:237550580-237586548	exonic	RYR2	1	237550580	237586548	0	1	0	1	0	0	35968	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:237586391-237608822	exonic	RYR2	1	237586391	237608822	0	0	1	1	0	0	22431	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:243327585-243388623	exonic	CEP170	1	243327585	243388623	0	1	0	1	0	0	61038	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:243493841-243652442	exonic	SDCCAG8	1	243493841	243652442	0	1	0	1	0	0	158601	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:243675625-244006584	exonic	AKT3	1	243675625	244006584	0	1	0	1	0	0	330959	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:39904945-39905172	exonic	MACF1	1	39904945	39905172	0	0	1	1	0	0	227	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:46179917-46182689	exonic	IPP	1	46179917	46182689	0	1	0	1	0	0	2772	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:53443888-53446215	exonic	SCP2	1	53443888	53446215	0	0	1	1	0	0	2327	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:62321701-62350080	exonic	INADL	1	62321701	62350080	0	1	0	1	0	0	28379	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:67299267-67371058	exonic	WDR78	1	67299267	67371058	0	1	0	1	0	0	71791	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr1:93683294-93692006	exonic	CCDC18	1	93683294	93692006	0	0	1	1	0	0	8712	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:103649168-103717489	exonic	C10orf76	10	103649168	103717489	0	0	1	1	0	0	68321	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:104111012-104113411	exonic	GBF1	10	104111012	104113411	0	0	1	1	0	0	2399	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:11789347-11797607	exonic	ECHDC3	10	11789347	11797607	0	1	0	1	0	0	8260	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:121086027-121156284	exonic	GRK5	10	121086027	121156284	0	0	1	1	0	0	70257	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:133106473-133107562	exonic	TCERG1L	10	133106473	133107562	0	0	1	1	0	0	1089	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:34739244-34806087	exonic	PARD3	10	34739244	34806087	0	1	0	1	0	0	66843	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:35333493-35343467	exonic	CUL2	10	35333493	35343467	0	0	1	1	0	0	9974	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:69699344-69700862	exonic	HERC4	10	69699344	69700862	0	0	1	1	0	0	1518	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:73490225-73492132	exonic	CDH23	10	73490225	73492132	0	1	0	1	0	0	1907	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:74790028-74813348	exonic	P4HA1	10	74790028	74813348	0	0	1	1	0	0	23320	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:75830427-75849956	exonic	VCL	10	75830427	75849956	0	1	0	1	0	0	19529	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr10:89468952-89475600	exonic	PAPSS2	10	89468952	89475600	0	1	0	1	0	0	6648	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:103151076-103229087	exonic	DYNC2H1	11	103151076	103229087	0	0	1	1	0	0	78011	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:108200940-108206688	exonic	ATM	11	108200940	108206688	0	1	0	1	0	0	5748	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:125466953-125478184	exonic	STT3A	11	125466953	125478184	0	0	1	1	0	0	11231	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:129979323-129992408	exonic	APLP2	11	129979323	129992408	0	1	0	1	0	0	13085	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr11:14839728-14840755	exonic	PDE3B	11	14839728	14840755	0	0	1	1	0	0	1027	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:18010143-18029623	exonic	SERGEF	11	18010143	18029623	0	1	0	1	0	0	19480	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:18536224-18541150	exonic	TSG101	11	18536224	18541150	0	1	0	1	0	0	4926	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:19854029-19901673	exonic	NAV2	11	19854029	19901673	0	0	1	1	0	0	47644	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:22696395-22747979	exonic	GAS2	11	22696395	22747979	0	1	0	1	0	0	51584	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:47603639-47604020	exonic	NDUFS3	11	47603639	47604020	0	1	0	1	0	0	381	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr11:47647225-47648679	exonic	MTCH2	11	47647225	47648679	0	0	1	1	0	0	1454	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:105543392-105553926	exonic	KIAA1033	12	105543392	105553926	0	0	1	1	0	0	10534	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:109609609-109612035	exonic	ACACB	12	109609609	109612035	0	1	0	1	0	0	2426	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:113384547-113388780	exonic	OAS3	12	113384547	113388780	0	1	0	1	0	0	4233	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:120189854-120214646	exonic	CIT	12	120189854	120214646	0	1	0	1	0	0	24792	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:121970710-121987543	exonic	KDM2B	12	121970710	121987543	0	1	0	1	0	0	16833	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:122817533-122819252	exonic	CLIP1	12	122817533	122819252	0	0	1	1	0	0	1719	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:124968141-124979914	exonic	NCOR2	12	124968141	124979914	0	1	0	1	0	0	11773	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:1399017-1517413	exonic	ERC1	12	1399017	1517413	0	1	0	1	0	0	118396	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:19427449-19427917	exonic	PLEKHA5	12	19427449	19427917	0	1	0	1	0	0	468	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:27064110-27070666	exonic	ASUN	12	27064110	27070666	0	1	0	1	0	0	6556	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:42748962-42792796	exonic	PPHLN1	12	42748962	42792796	0	0	1	1	0	0	43834	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:48457492-48495299	exonic	SENP1	12	48457492	48495299	0	0	1	1	0	0	37807	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:50821544-50829407	exonic	LARP4	12	50821544	50829407	0	1	0	1	0	0	7863	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr12:69109406-69119576	exonic	NUP107	12	69109406	69119576	0	1	0	1	0	0	10170	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:20632714-20638685	exonic	ZMYM2	13	20632714	20638685	0	0	1	1	0	0	5971	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:28794367-28835595	exonic	PAN3	13	28794367	28835595	0	0	1	1	0	0	41228	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:42439871-42461497	exonic	VWA8	13	42439871	42461497	0	0	1	1	0	0	21626	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:53001123-53009017	exonic	VPS36	13	53001123	53009017	0	0	1	1	0	0	7894	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr13:96622365-96642327	exonic	UGGT2	13	96622365	96642327	0	0	1	1	0	0	19962	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:35579024-35579835	exonic	PPP2R3C	14	35579024	35579835	0	0	1	1	0	0	811	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:66188492-66191041	exonic	FUT8	14	66188492	66191041	0	1	0	1	0	0	2549	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:71413631-71445365	exonic	PCNX	14	71413631	71445365	0	0	1	1	0	0	31734	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:73406509-73407085	exonic	DCAF4	14	73406509	73407085	0	1	0	1	0	0	576	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:75245149-75249028	exonic	YLPM1	14	75245149	75249028	0	0	1	1	0	0	3879	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:81209418-81304622	exonic	CEP128	14	81209418	81304622	0	0	1	1	0	0	95204	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:81651874-81682858	exonic	GTF2A1	14	81651874	81682858	0	0	1	1	0	0	30984	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr14:92440970-92461859	exonic	TRIP11	14	92440970	92461859	0	1	0	1	0	0	20889	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:28510763-28525433	exonic	HERC2	15	28510763	28525433	0	0	1	1	0	0	14670	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr15:34444990-34455891	exonic	KATNBL1	15	34444990	34455891	0	1	0	1	0	0	10901	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:35224518-35231014	exonic	AQR	15	35224518	35231014	0	0	1	1	0	0	6496	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:38793343-38798121	exonic	RASGRP1	15	38793343	38798121	0	0	1	1	0	0	4778	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:50935536-50941082	exonic	TRPM7	15	50935536	50941082	0	0	1	1	0	0	5546	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:63951934-63981898	exonic	HERC1	15	63951934	63981898	0	1	0	1	0	0	29964	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:78452433-78454709	exonic	IDH3A	15	78452433	78454709	0	0	1	1	0	0	2276	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:78581960-78588067	exonic	WDR61	15	78581960	78588067	0	0	1	1	0	0	6107	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:78757592-78758831	exonic	IREB2	15	78757592	78758831	0	0	1	1	0	0	1239	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:90610341-90611827	exonic	ZNF710	15	90610341	90611827	0	0	1	1	0	0	1486	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:93521463-93522513	exonic	CHD2	15	93521463	93522513	0	1	0	1	0	0	1050	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr15:94899365-95001475	exonic	MCTP2	15	94899365	95001475	0	0	1	1	0	0	102110	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:20922504-20927036	exonic	LYRM1	16	20922504	20927036	0	1	0	1	0	0	4532	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:53476569-53481018	exonic	RBL2	16	53476569	53481018	0	0	1	1	0	0	4449	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:68308593-68321774	exonic	SLC7A6	16	68308593	68321774	0	1	0	1	0	0	13181	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:70765397-70778482	exonic	VAC14	16	70765397	70778482	0	1	0	1	0	0	13085	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr16:84135225-84135712	exonic	MBTPS1	16	84135225	84135712	0	0	1	1	0	0	487	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:27807385-27818883	exonic	TAOK1	17	27807385	27818883	0	1	0	1	0	0	11498	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:36517593-36533668	exonic	SOCS7	17	36517593	36533668	0	1	0	1	0	0	16075	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:37646809-37650947	exonic	CDK12	17	37646809	37650947	0	1	0	1	0	0	4138	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:53016284-53024673	exonic	TOM1L1	17	53016284	53024673	0	0	1	1	0	0	8389	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:59853761-59857762	exonic	BRIP1	17	59853761	59857762	0	1	0	1	0	0	4001	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr17:62574609-62582288	exonic	SMURF2	17	62574609	62582288	0	1	0	1	0	0	7679	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:18945987-18983955	exonic	GREB1L	18	18945987	18983955	0	1	0	1	0	0	37968	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:39573233-39600669	exonic	PIK3C3	18	39573233	39600669	0	0	1	1	0	0	27436	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:39575853-39609405	exonic	PIK3C3	18	39575853	39609405	0	0	1	1	0	0	33552	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:44579250-44589732	exonic	KATNAL2	18	44579250	44589732	0	1	0	1	0	0	10482	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:51797729-51813781	exonic	POLI	18	51797729	51813781	0	0	1	1	0	0	16052	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:66503985-66513658	exonic	CCDC102B	18	66503985	66513658	0	1	0	1	0	0	9673	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:67231722-67345089	exonic	DOK6	18	67231722	67345089	0	0	1	1	0	0	113367	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr18:9593765-9595100	exonic	PPP4R1	18	9593765	9595100	0	0	1	1	0	0	1335	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:14501735-14515374	exonic	ADGRE5	19	14501735	14515374	0	0	1	1	0	0	13639	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:34685382-34699956	exonic	LSM14A	19	34685382	34699956	0	0	1	1	0	0	14574	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:41239064-41243674	exonic	ITPKC	19	41239064	41243674	0	0	1	1	0	0	4610	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:42839186-42839537	exonic	MEGF8	19	42839186	42839537	0	1	0	1	0	0	351	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr19:7141687-7184648	exonic	INSR	19	7141687	7184648	0	0	1	1	0	0	42961	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr19:7163042-7174742	exonic	INSR	19	7163042	7174742	0	1	0	1	0	0	11700	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:109408130-109421464	exonic	CCDC138	2	109408130	109421464	0	1	0	1	0	0	13334	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:120567412-120643458	exonic	PTPN4	2	120567412	120643458	0	1	0	1	0	0	76046	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:180036846-180056593	exonic	SESTD1	2	180036846	180056593	0	1	0	1	0	0	19747	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:26477114-26486347	exonic	HADHB	2	26477114	26486347	0	1	0	1	0	0	9233	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:29006772-29011675	exonic	PPP1CB	2	29006772	29011675	0	1	0	1	0	0	4903	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:36623756-36749456	exonic	CRIM1	2	36623756	36749456	0	1	0	1	0	0	125700	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:37276795-37284623	exonic	HEATR5B	2	37276795	37284623	0	0	1	1	0	0	7828	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:46583289-46588229	exonic	EPAS1	2	46583289	46588229	0	0	1	1	0	0	4940	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:48573339-48573890	exonic	FOXN2	2	48573339	48573890	0	0	1	1	0	0	551	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr2:9419445-9437574	exonic	ASAP2	2	9419445	9437574	0	0	1	1	0	0	18129	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:19970649-19972943	exonic	RIN2	20	19970649	19972943	0	0	1	1	0	0	2294	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:25999467-26000560	ncRNA_exonic	LOC100134868	20	25999467	26000560	0	0	1	1	0	0	1093	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:30803071-30804524	exonic	POFUT1	20	30803071	30804524	0	1	0	1	0	0	1453	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:32354656-32358098	exonic	ZNF341	20	32354656	32358098	0	0	1	1	0	0	3442	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:34082350-34086545	exonic	CEP250	20	34082350	34086545	0	1	0	1	0	0	4195	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr20:45918930-45923523	exonic	ZMYND8	20	45918930	45923523	0	0	1	1	0	0	4593	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr22:30374430-30384551	exonic	MTMR3	22	30374430	30384551	0	1	0	1	0	0	10121	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr22:43555215-43557196	exonic	TSPO	22	43555215	43557196	0	0	1	1	0	0	1981	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr22:50810448-50845304	exonic	PPP6R2	22	50810448	50845304	0	1	0	1	0	0	34856	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:111632165-111664204	exonic	PHLDB2	3	111632165	111664204	0	1	0	1	0	0	32039	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:127429418-127500738	exonic	MGLL	3	127429418	127500738	0	1	0	1	0	0	71320	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:129017196-129020985	exonic	HMCEs	3	129017196	129020985	0	0	1	1	0	0	3789	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:132423041-132424658	exonic	NPHP3	3	132423041	132424658	0	1	0	1	0	0	1617	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:1337284-1394135	exonic	CNTN6	3	1337284	1394135	0	1	0	1	0	0	56851	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:138407716-138417937	exonic	PIK3CB	3	138407716	138417937	0	0	1	1	0	0	10221	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:158378662-158384175	exonic	GFMI	3	158378662	158384175	0	0	1	1	0	0	5513	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:179470072-179483636	exonic	USP13	3	179470072	179483636	0	1	0	1	0	0	13564	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:184603897-184618760	exonic	VPS8	3	184603897	184618760	0	1	0	1	0	0	14863	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:184642649-184689540	exonic	VPS8	3	184642649	184689540	0	1	0	1	0	0	46891	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:33442453-33467233	exonic	UBP1	3	33442453	33467233	0	0	1	1	0	0	24780	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:44399232-44409200	exonic	TCAIM	3	44399232	44409200	0	0	1	1	0	0	9968	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:47747898-47787483	exonic	SMARCC1	3	47747898	47787483	0	0	1	1	0	0	39585	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:47963254-48019423	exonic	MAP4	3	47963254	48019423	0	0	1	1	0	0	56169	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:50091767-50099541	exonic	RBM6	3	50091767	50099541	0	0	1	1	0	0	7774	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr3:57269593-57276170	exonic	APPL1	3	57269593	57276170	0	1	0	1	0	0	6577	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:57487047-57489931	exonic	DNAH12	3	57487047	57489931	0	0	1	1	0	0	2884	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:69087714-69092063	exonic	TMF1	3	69087714	69092063	0	1	0	1	0	0	4349	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:106345352-106359193	exonic	PPA2	4	106345352	106359193	0	0	1	1	0	0	13841	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:107016638-107133992	exonic	TBCK	4	107016638	107133992	0	0	1	1	0	0	117354	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:120460114-120488299	exonic	PDE5A	4	120460114	120488299	0	1	0	1	0	0	28185	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:129012155-129012667	exonic	LARP1B	4	129012155	129012667	0	0	1	1	0	0	512	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:129891532-129925031	exonic	SCLT1	4	129891532	129925031	0	0	1	1	0	0	33499	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:1902352-1952930	exonic	WHSC1	4	1902352	1952930	0	1	0	1	0	0	50578	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:2659529-2661781	exonic	FAM193A	4	2659529	2661781	0	1	0	1	0	0	2252	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:39226503-39230310	exonic	WDR19	4	39226503	39230310	0	1	0	1	0	0	3807	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:39874605-39878773	exonic	PDS5A	4	39874605	39878773	0	0	1	1	0	0	4168	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:83852095-83867627	exonic	LIN54	4	83852095	83867627	0	1	0	1	0	0	15532	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr4:89028335-89036210	exonic	ABCG2	4	89028335	89036210	0	1	0	1	0	0	7875	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:139818045-139825560	exonic	ANKHD1, ANKHD1-E1F4EBP3	5	139818045	139825560	0	1	0	1	0	0	7515	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:172507587-172518404	exonic	CREBRF	5	172507587	172518404	0	1	0	1	0	0	10817	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:179675972-179707608	exonic	MAPK9	5	179675972	179707608	0	1	0	1	0	0	31636	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:37179462-37181107	exonic	C5orf42	5	37179462	37181107	0	0	1	1	0	0	1645	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr5:72347175-72364606	exonic	FCH02	5	72347175	72364606	0	0	1	1	0	0	17431	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:131179270-131191266	exonic	EPB41L2	6	131179270	131191266	0	1	0	1	0	0	11996	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:24405395-24418806	exonic	MRS2	6	24405395	24418806	0	1	0	1	0	0	13411	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:30627248-30628019	exonic	DHX16	6	30627248	30628019	0	1	0	1	0	0	771	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:35248832-35255622	exonic	ZNF76	6	35248832	35255622	0	1	0	1	0	0	6790	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:36483114-36507984	exonic	STK38	6	36483114	36507984	0	0	1	1	0	0	24870	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:42796230-42797910	exonic	GLTSCR1L	6	42796230	42797910	0	1	0	1	0	0	1680	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:52132662-52134024	exonic	MCM3	6	52132662	52134024	0	1	0	1	0	0	1362	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:71442080-71483128	exonic	SMAP1	6	71442080	71483128	0	1	0	1	0	0	41048	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr6:84881324-84896341	exonic	CEP162	6	84881324	84896341	0	1	0	1	0	0	15017	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:102398300-102417795	exonic	FAM185A	7	102398300	102417795	0	0	1	1	0	0	19495	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:102412855-102427916	exonic	FAM185A	7	102412855	102427916	0	0	1	1	0	0	15061	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:106888840-106938791	exonic	COG5	7	106888840	106938791	0	0	1	1	0	0	49951	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:111535667-111541857	exonic	DOCK4	7	111535667	111541857	0	1	0	1	0	0	6190	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:127013395-127026209	exonic	ZNF800	7	127013395	127026209	0	0	1	1	0	0	12814	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:138921750-138969320	exonic	UBN2	7	138921750	138969320	0	0	1	1	0	0	47570	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:139734034-139757834	exonic	PARP12	7	139734034	139757834	0	1	0	1	0	0	23800	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924

chr7:155493466-155499762	exonic	RBM33	7	155493466	155499762	0	0	1	1	0	0	6296	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:26765046-26779583	exonic	SKAP2	7	26765046	26779583	0	0	1	1	0	0	14537	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:45077851-45104245	exonic	CCM2	7	45077851	45104245	0	1	0	1	0	0	26394	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:74150841-74157859	exonic	GTF2I	7	74150841	74157859	0	1	0	1	0	0	7018	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:74466817-74471723	exonic	WBSCR16	7	74466817	74471723	0	1	0	1	0	0	4906	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:7491949-7557468	exonic	COL28A1	7	7491949	7557468	0	1	0	1	0	0	65519	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:91842508-91864237	exonic	KRIT1	7	91842508	91864237	0	1	0	1	0	0	21729	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr7:97857325-97858478	exonic	TECPR1	7	97857325	97858478	0	1	0	1	0	0	1153	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:101059690-101078524	exonic	RGS22	8	101059690	101078524	0	0	1	1	0	0	18834	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:25156459-25159970	exonic	DOCK5	8	25156459	25159970	0	1	0	1	0	0	3511	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:68044185-68071372	exonic	CSPP1	8	68044185	68071372	0	1	0	1	0	0	27187	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr8:95538450-95550574	exonic	KIAA1429	8	95538450	95550574	0	0	1	1	0	0	12124	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:111835635-111870850	exonic	TMEM245	9	111835635	111870850	0	0	1	1	0	0	35215	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:114860749-114919893	exonic	SUSD1	9	114860749	114919893	0	1	0	1	0	0	59144	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:114904599-114919893	exonic	SUSD1	9	114904599	114919893	0	0	1	1	0	0	15294	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:123912447-123922580	exonic	CNTRL	9	123912447	123922580	0	0	1	1	0	0	10133	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:125616230-125618157	exonic	RC3H2	9	125616230	125618157	0	1	0	1	0	0	1927	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:128347833-128434922	exonic	MAPKAP1	9	128347833	128434922	0	1	0	1	0	0	87089	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:138741982-138754454	exonic	CAMSAP1	9	138741982	138754454	0	1	0	1	0	0	12472	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:14306987-14307519	exonic	NFIB	9	14306987	14307519	0	1	0	1	0	0	532	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:17366614-17416187	exonic	CNTLN	9	17366614	17416187	0	1	0	1	0	0	49573	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:20715320-20758190	exonic	FOCAD	9	20715320	20758190	0	0	1	1	0	0	42870	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:286460-289581	exonic	DOCK8	9	286460	289581	0	0	1	1	0	0	3121	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:406929-418207	exonic	DOCK8	9	406929	418207	0	0	1	1	0	0	11278	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:93607715-93627379	exonic	SYK	9	93607715	93627379	0	1	0	1	0	0	19664	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr9:96827015-96857736	exonic	PTPDC1	9	96827015	96857736	0	0	1	1	0	0	30721	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chrX:10491131-10535643	exonic	MID1	X	10491131	10535643	0	0	1	1	0	0	44512	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chrX:21534602-21550185	exonic	CNKSR2	X	21534602	21550185	0	0	1	1	0	0	15583	0.303580411	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chrX:56276663-56296754	exonic	KLF8	X	56276663	56296754	0	1	0	1	0	0	20091	0.280587184	0.07340775	4.077635733	0.018002528	0.985636837	0.998252924
chr3:50289531-50290616	exonic	GNAI2	3	50289531	50290616	4	0	3	7	2	0	1085	2.093989387	0.0746269	1.921355268	0.038840761	0.969017347	0.998252924
chr8:141840571-141874498	exonic	PTK2	8	141840571	141874498	0	8	2	2	5	3	33927	3.531160149	0.075520715	1.56000802	0.048410466	0.961389118	0.998252924
chr4:106345352-106377902	exonic	PPA2	4	106345352	106377902	6	9	6	13	6	4	32550	6.867104974	0.077008135	1.037434137	0.07422942	0.940827836	0.998252924
chr17:40762126-40811570	exonic	TUBG1, TUBG2	17	40762126	40811570	14	0	0	16	0	0	49444	3.506799361	0.077699326	3.778940687	0.020561139	NA	NA
chr15:41961025-41962156	exonic	MGA	15	41961025	41962156	30	20	18	47	27	6	1131	21.01965387	0.078424699	0.726056647	0.108014573	0.913984132	0.998252924
chr1:243480056-243542165	exonic	SDCCAG8	1	243480056	243542165	6	1	0	1	0	3	62109	1.979164667	0.078597769	2.091474021	0.037580084	NA	NA

chr4:36230203-36231267	exonic	ARAP2	4	36230203	36231267	13	3	11	18	10	3	1064	8.418151911	0.079158223	1.001251247	0.0790593	0.936985456	0.998252924
chr3:133876965-133914026	exonic	RYK	3	133876965	133914026	3	0	2	2	4	0	37061	1.478231337	0.079216001	2.175375617	0.036414861	0.970951565	0.998252924
chr13:33091993-33101669	exonic	N4BP2L2	13	33091993	33101669	68	51	56	99	70	26	9676	55.71667378	0.080942927	0.559665375	0.144627363	0.885005092	0.998252924
chr1:243468014-243493994	exonic	SDCCAG8	1	243468014	243493994	8	3	0	5	1	3	25980	3.131963113	0.081826798	1.598606472	0.05118633	0.959177045	0.998252924
chr13:26974589-26975761	exonic	CDK8	13	26974589	26975761	4	1	6	4	8	1	1172	3.575521247	0.08219515	1.408315203	0.058364172	0.953458553	0.998252924
chr2:227729319-227773594	exonic	RHBDD1	2	227729319	227773594	25	6	4	17	8	7	44275	9.99244765	0.082427503	0.96643215	0.085290523	NA	NA
chr2:227729319-227779067	exonic	RHBDD1	2	227729319	227779067	25	6	4	17	8	7	49748	9.99244765	0.082427503	0.96643215	0.085290523	NA	NA
chr5:36984777-36986403	exonic	NIPBL	5	36984777	36986403	0	4	0	0	3	1	1626	1.36840407	0.083036154	2.516785634	0.032992939	NA	NA
chr8:18622958-18662408	exonic	PSD3	8	18622958	18662408	12	8	0	4	10	4	39450	5.8104439	0.083274387	1.270639126	0.065537402	NA	NA
chr3:37291189-37315092	exonic	GOLGA4	3	37291189	37315092	3	3	0	2	5	0	23903	1.727548105	0.083581177	2.050125655	0.040768807	0.967480207	0.998252924
chrX:90669903-90673870	ncRNA_exonic	PABPC5-AS1	X	90669903	90673870	4	3	0	2	6	0	3967	1.977562469	0.083888599	1.955889846	0.042890247	0.965789023	0.998252924
chr13:95813442-95822882	exonic	ABCC4	13	95813442	95822882	1	3	0	2	3	0	9440	1.227519376	0.084194259	2.357350916	0.035715624	0.971509112	0.998252924
chr11:34097782-34098189	exonic	CAPRN1	11	34097782	34098189	1	1	0	0	2	0	407	0.545317585	0.084825399	3.508181261	0.024179309	0.980709582	0.998252924
chr13:100191699-100196249	exonic	TM9SF2	13	100191699	100196249	1	1	0	0	2	0	4550	0.545317585	0.084825399	3.508181261	0.024179309	0.980709582	0.998252924
chr14:39746137-39818181	exonic	CTAGE5	14	39746137	39818181	1	1	0	0	2	0	72044	0.545317585	0.084825399	3.508181261	0.024179309	0.980709582	0.998252924
chr2:197872529-197954756	exonic	ANKRD44	2	197872529	197954756	1	1	0	0	2	0	82227	0.545317585	0.084825399	3.508181261	0.024179309	0.980709582	0.998252924
chr20:33315062-33324562	exonic	NCOA6	20	33315062	33324562	1	1	0	0	2	0	9500	0.545317585	0.084825399	3.508181261	0.024179309	0.980709582	0.998252924
chr3:179408028-179426745	exonic	USP13	3	179408028	179426745	1	1	0	0	2	0	18717	0.545317585	0.084825399	3.508181261	0.024179309	0.980709582	0.998252924
chr1:232596632-232607274	exonic	SIPA1L2	1	232596632	232607274	5	1	0	7	0	0	10642	1.563390209	0.085009994	2.370017228	0.035868935	NA	NA
chr10:98303832-98325183	exonic	TM9SF3	10	98303832	98325183	3	2	4	1	2	4	21351	3.105829193	0.085969591	1.525469262	0.056356161	NA	NA
chr10:22193450-22209892	exonic	DNAJC1	10	22193450	22209892	0	0	2	3	0	0	16442	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr11:63426232-63426724	exonic	ATL3	11	63426232	63426724	0	0	2	3	0	0	492	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr14:50796551-50799150	exonic	CDKL1	14	50796551	50799150	0	0	2	3	0	0	2599	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr15:55724694-55759359	exonic	DYX1C1	15	55724694	55759359	0	0	2	3	0	0	34665	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr2:9552397-9558861	exonic	ITGB1BP1	2	9552397	9558861	0	0	2	3	0	0	6464	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr2:99919153-99921208	intergenic	LYGI (dist=1514), TXNDC9 (dist=14279)	2	99919153	99921208	0	0	2	3	0	0	2055	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr20:35421651-35423002	exonic	SOGA1	20	35421651	35423002	0	0	2	3	0	0	1351	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr4:139993019-139994721	exonic	ELF2	4	139993019	139994721	0	0	2	3	0	0	1702	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr5:172535626-172537714	exonic	CREBRF	5	172535626	172537714	0	0	2	3	0	0	2088	0.713472206	0.086328884	3.444515298	0.025062709	NA	NA
chr10:1102288-1118233	exonic	WDR37	10	1102288	1118233	2	0	3	7	0	0	15945	1.593960658	0.087439206	2.341170172	0.037348505	0.970207131	0.998252924
chr16:68155889-68160513	exonic	NFATC3	16	68155889	68160513	33	32	49	68	54	14	4624	37.57929242	0.088200685	0.644501762	0.13685096	0.891148602	0.998252924
chr16:57554979-57560039	exonic	CCDC102A	16	57554979	57560039	4	1	1	4	3	0	5060	1.675820402	0.088495033	1.941294534	0.045585578	0.963640565	0.998252924
chr11:68334481-68363686	exonic	PPP6R3	11	68334481	68363686	4	3	0	3	3	1	29205	2.029010198	0.088667917	1.802646087	0.049187646	0.960769757	0.998252924
chr18:54423813-54426184	exonic	WDR7	18	54423813	54426184	4	3	0	3	3	1	2371	2.029010198	0.088667917	1.802646087	0.049187646	0.960769757	0.998252924
chr18:46889530-46906128	exonic	DYM	18	46889530	46906128	4	0	4	6	0	2	16598	2.559329402	0.088794018	1.832856628	0.048445698	0.961361041	0.998252924

chr4:52729602-52744020	exonic	DCUN1D4	4	52729602	52744020	2	5	6	5	6	3	14418	4.495344317	0.089630055	1.252265151	0.071574343	0.942940659	0.998252924
chr1:243449573-243589860	exonic	SDCCAG8	1	243449573	243589860	2	2	1	0	1	2	140287	1.956405215	0.091463039	1.966615344	0.046507844	0.962905482	0.998252924
chr6:76343296-76388643	exonic	SENP6	6	76343296	76388643	3	8	8	4	6	7	45347	6.668259758	0.092487325	1.136393096	0.081386736	NA	NA
chr15:55516086-55527154	exonic	RAB27A	15	55516086	55527154	2	0	3	0	2	2	11068	1.708273023	0.093564829	2.138158199	0.043759544	0.965096075	0.998252924
chr1:155408117-155429689	exonic	ASH1L	1	155408117	155429689	17	10	14	17	17	8	21572	13.02781096	0.093760518	0.81094662	0.115618606	0.907954816	0.998252924
chr14:39648294-39648666	exonic	PNN	14	39648294	39648666	15	13	12	13	26	5	372	12.63747185	0.094086618	0.840877405	0.111891005	NA	NA
chr12:12397195-12397589	exonic	LRP6	12	12397195	12397589	24	5	0	30	4	0	394	7.640516864	0.095787508	2.122185962	0.045136246	NA	NA
chr4:3088665-3109150	exonic	HTT	4	3088665	3109150	23	12	10	46	5	3	20485	13.45081618	0.09612087	0.950631422	0.101112658	NA	NA
chr10:86198267-86237420	exonic	CCSER2	10	86198267	86237420	7	3	5	10	9	1	39153	8.519727516	0.096577309	0.996912696	0.096876396	0.922824554	0.998252924
chr16:47531309-47644831	exonic	PHKB	16	47531309	47644831	2	3	0	5	1	1	113522	1.528981469	0.097279286	2.046516533	0.047534083	0.962087567	0.998252924
chr3:172223764-172227111	exonic	TNFSF10	3	172223764	172227111	0	2	2	6	0	0	3347	1.38095796	0.097605991	2.470147413	0.039514237	NA	NA
chr1:176012321-176015460	exonic	RFWD2	1	176012321	176015460	0	3	0	2	2	0	3139	0.977505011	0.097838436	2.78685227	0.035107148	NA	NA
chr1:235993525-235996967	exonic	LYST	1	235993525	235996967	0	3	0	2	2	0	3442	0.977505011	0.097838436	2.78685227	0.035107148	NA	NA
chr7:156994414-157024021	exonic	UBE3C	7	156994414	157024021	0	3	0	2	2	0	29607	0.977505011	0.097838436	2.78685227	0.035107148	NA	NA
chr17:57430575-57430887	exonic	YPEL2	17	57430575	57430887	18	14	15	20	28	5	312	14.7767501	0.101011768	0.792483701	0.127462266	0.898574537	0.998252924
chr1:108690900-108703915	exonic	SLC25A24	1	108690900	108703915	6	5	9	15	5	3	13015	6.545185594	0.101544779	1.07908731	0.094102468	0.92502776	0.998252924
chr1:78177431-78180468	exonic	USP33	1	78177431	78180468	4	0	2	3	4	0	3037	1.713529665	0.101683241	2.049109503	0.049623137	0.960422709	0.998252924
chr1:154207066-154207767	exonic	UBAP2L	1	154207066	154207767	7	0	1	7	2	0	701	2.086412165	0.10174764	1.965317946	0.051771593	0.958710691	0.998252924
chr1:243708811-243859018	exonic	AKT3	1	243708811	243859018	0	0	2	1	0	1	150207	0.809068045	0.103841133	3.07193278	0.033803192	0.973034091	0.998252924
chr2:215617170-215661841	exonic	BARD1	2	215617170	215661841	0	0	2	1	0	1	44671	0.809068045	0.103841133	3.07193278	0.033803192	0.973034091	0.998252924
chr11:34991685-35006275	exonic	PDHX	11	34991685	35006275	3	0	2	3	3	0	14590	1.4635153	0.104132435	2.172505182	0.047931962	0.961770467	0.998252924
chr10:15875628-15885271	exonic	FAM188A	10	15875628	15885271	3	3	0	3	4	0	9643	1.712832068	0.104620218	2.040613601	0.051269	0.95911117	0.998252924
chr1:201966446-201969143	exonic	RNPEP	1	201966446	201969143	3	0	0	2	1	0	2697	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chr10:103557736-103570071	exonic	MGEA5	10	103557736	103570071	3	0	0	2	1	0	12335	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chr14:88883054-88899556	exonic	SPATA7	14	88883054	88899556	3	0	0	2	1	0	16502	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chr16:16101672-16110478	exonic	ABCC1	16	16101672	16110478	3	0	0	2	1	0	8806	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chr16:48292528-48311390	exonic	LONP2	16	48292528	48311390	3	0	4	2	1	0	18862	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chr21:46600244-46605006	exonic	ADARB1	21	46600244	46605006	3	0	0	2	1	0	4762	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chrX:23739997-23754133	exonic	ACOT9	X	23739997	23754133	3	0	0	2	1	0	14136	0.72061102	0.104767234	3.126644913	0.033507877	NA	NA
chr2:204073359-204074045	exonic	NBEAL1	2	204073359	204074045	2	2	0	5	0	0	686	1.138082409	0.106645594	2.62697797	0.040596303	NA	NA
chr2:64083439-64085070	exonic	UGP2	2	64083439	64085070	17	7	4	15	7	5	1631	8.184740497	0.107089037	0.989374743	0.108239106	0.913806025	0.998252924
chr3:32582528-32587457	exonic	DYNC1LI1	3	32582528	32587457	4	0	0	1	3	0	4929	0.985341422	0.108071168	2.783239162	0.038829278	NA	NA
chr12:94613791-94621011	exonic	PLXNC1	12	94613791	94621011	3	0	4	5	4	0	7220	2.191703543	0.10852813	1.87538093	0.057869912	0.953852249	0.998252924
chr10:96005702-96006378	exonic	PLCE1	10	96005702	96006378	1	1	1	4	0	0	676	0.925777308	0.108669324	2.670426684	0.040693618	NA	NA
chr6:166843940-166845978	exonic	RPS6KA2	6	166843940	166845978	1	2	1	2	3	0	2038	1.250512602	0.108971949	2.183940826	0.049896933	0.960204521	0.998252924

chr12:82763166-82828503	exonic	METTL25	12	82763166	82828503	3	0	3	8	0	0	65337	1.829258986	0.109777781	2.226550893	0.049303962	NA	NA
chr8:8849058-8851764	intergenic	MFHAS1 (dist=97927), ER11 (dist=8550)	8	8849058	8851764	3	0	3	8	0	0	2706	1.829258986	0.109777781	2.226550893	0.049303962	NA	NA
chr10:93754291-93768032	exonic	BTAF1	10	93754291	93768032	2	4	0	0	7	0	13741	1.802269034	0.110421118	2.250838232	0.049057776	NA	NA
chr1:8601272-8617582	exonic	RERE	1	8601272	8617582	3	14	4	5	11	5	16310	7.019849727	0.110622487	1.116743646	0.099058085	NA	NA
chr10:70547683-70548085	exonic	CCAR1	10	70547683	70548085	0	4	2	2	6	0	402	2.030428548	0.110840355	1.97236659	0.05619663	0.955185166	0.998252924
chr10:103427642-103436193	exonic	FBXW4	10	103427642	103436193	40	21	16	68	15	6	8551	22.86947107	0.111948905	0.787820677	0.142099476	NA	NA
chr15:31266516-31269158	exonic	MTMR10	15	31266516	31269158	0	4	2	4	0	2	2642	2.133324006	0.112102787	1.97277222	0.056825003	0.954684597	0.998252924
chrX:117788564-117788924	exonic	DOCK11	X	117788564	117788924	7	2	3	14	1	0	360	3.452654088	0.112407857	1.557186525	0.072186508	NA	NA
chr14:35476488-35483108	exonic	SRP54	14	35476488	35483108	3	0	0	0	1	1	6620	0.816206859	0.112777692	3.04042467	0.037092743	NA	NA
chr22:46829289-46835308	exonic	CELSR1	22	46829289	46835308	3	0	0	0	1	1	6019	0.816206859	0.112777692	3.04042467	0.037092743	NA	NA
chr18:54426095-54448887	exonic	WDR7	18	54426095	54448887	4	2	1	3	3	1	22792	2.052003424	0.113751275	1.689940975	0.067310797	0.946334281	0.998252924
chr9:5968018-5988545	exonic	KIAA2026	9	5968018	5988545	21	20	15	29	37	2	20527	17.33075916	0.113894603	0.825537014	0.137964259	0.890268664	0.998252924
chr10:4872867-4950612	exonic	AKRIE2	10	4872867	4950612	4	6	0	8	0	2	77745	3.028530864	0.11456756	1.738504031	0.065900083	0.947457375	0.998252924
chr11:74500670-74528759	exonic	RNF169	11	74500670	74528759	2	3	3	3	3	2	28089	2.671061998	0.115346512	1.516856371	0.076043134	0.939384781	0.998252924
chr15:59963381-59972507	exonic	BNIP2	15	59963381	59972507	3	0	2	4	0	1	9126	1.514963029	0.115657582	2.206279564	0.052421998	0.958192447	0.998252924
chr8:68200189-68214701	exonic	ARFGEF1	8	68200189	68214701	10	4	0	4	9	1	14512	3.80968357	0.1159181	1.471139328	0.07879478	0.937195856	0.998252924
chr10:97681772-97687089	exonic	C10orf131	10	97681772	97687089	1	0	2	3	1	0	5317	0.963486571	0.116237379	2.609282702	0.044547637	0.964467881	0.998252924
chr14:50175876-50206900	exonic	KLHDC1	14	50175876	50206900	6	8	0	5	5	3	31024	4.22947791	0.117775353	1.38715162	0.084904456	0.932337349	0.998252924
chr14:50175876-50210523	exonic	KLHDC1	14	50175876	50210523	6	8	0	5	5	3	34647	4.22947791	0.117775353	1.38715162	0.084904456	0.932337349	0.998252924
chr11:18312988-18314523	exonic	HPS5	11	18312988	18314523	13	12	14	20	10	9	1535	12.6403756	0.117907298	0.839413106	0.14046397	0.888293418	0.998252924
chr2:165548730-165561615	exonic	COBLL1	2	165548730	165561615	3	3	1	9	0	0	12885	2.063859717	0.118065124	1.981561946	0.059581849	NA	NA
chr11:57258696-57259335	exonic	SLC43A1	11	57258696	57259335	20	8	6	35	7	0	639	9.725649834	0.118780113	1.11392497	0.106632059	NA	NA
chr18:66564456-66564919	exonic	CCDC102B	18	66564456	66564919	5	4	19	27	13	0	463	9.533913277	0.11878875	1.158408147	0.102544816	0.918324243	0.998252924
chr19:24014399-24016323	intergenic	RPSAP58 (dist=3480), ZNF726 (dist=81361)	19	24014399	24016323	17	28	17	18	49	5	1924	19.81111548	0.120240504	0.806101384	0.149163004	NA	NA
chr15:49917309-49926991	exonic	DTWD1	15	49917309	49926991	0	1	2	0	4	0	9682	1.052923537	0.120459756	2.748274152	0.043831055	0.965039072	0.998252924
chr5:176636636-176639196	exonic	NSD1	5	176636636	176639196	4	6	0	6	6	0	2560	2.925635407	0.121013966	1.690420683	0.071588077	0.942929729	0.998252924
chr8:141874410-141900868	exonic	PTK2	8	141874410	141900868	19	16	12	20	20	8	26458	14.61891801	0.122484626	0.77261666	0.158532209	0.874037442	0.998252924
chr9:4860125-4860901	exonic	RCL1	9	4860125	4860901	6	0	0	2	4	0	776	1.470654114	0.12253794	2.385301306	0.051372101	NA	NA
chr18:12999419-13019205	exonic	CEP192	18	12999419	13019205	13	8	12	23	10	4	19786	10.32657547	0.124491819	0.900040585	0.138318005	0.889989096	0.998252924
chr9:6420911-6434173	exonic	UHRF2	9	6420911	6434173	2	1	4	4	5	0	13262	2.251708436	0.125003289	1.743310737	0.071704537	0.942837046	0.998252924
chr15:76580186-76585041	exonic	ETFA	15	76580186	76585041	5	0	1	0	2	2	4855	1.700695801	0.12663838	2.156053929	0.058736184	0.953162239	0.998252924
chr15:90982563-90986710	exonic	IQGAP1	15	90982563	90986710	10	2	1	5	9	0	4147	3.456493773	0.12689659	1.522880446	0.083326692	0.933591777	0.998252924
chr7:80418621-80440017	exonic	SEMA3C	7	80418621	80440017	11	7	0	4	5	5	21396	5.210262658	0.128674201	1.322134481	0.097323081	NA	NA
chr19:17212469-17213367	exonic	MYO9B	19	17212469	17213367	19	12	0	27	5	2	898	8.634043227	0.128795922	1.203081357	0.107055039	NA	NA
chr6:160467529-160469575	exonic	IGF2R	6	160467529	160469575	4	4	2	6	4	1	2046	3.037785625	0.12893059	1.42942881	0.090197279	0.928130446	0.998252924

chr14:106091233-106208132	ncRNA_exonic	ELK2AP, MIR8071-1, MIR8071-2	14	106091233	106208132	0	0	7	2	8	0	116899	2.561725323	0.128987256	2.039925921	0.063231343	NA	NA
chr1:180953812-180962561	exonic	STX6	1	180953812	180962561	8	6	8	20	4	2	8749	6.882477149	0.12902478	1.087259412	0.11866973	NA	NA
chr14:75513078-75516421	exonic	MLH3	14	75513078	75516421	6	9	6	16	11	0	3343	6.558301804	0.129138865	1.166975817	0.110661132	0.911885069	0.998252924
chr10:25226112-25231365	exonic	PRTFDC1	10	25226112	25231365	0	2	1	2	2	0	5253	1.000498238	0.13019054	2.558047659	0.050894493	0.959409593	0.998252924
chr5:132219031-132220811	exonic	AFF4	5	132219031	132220811	0	2	1	2	2	0	1780	1.000498238	0.13019054	2.558047659	0.050894493	0.959409593	0.998252924
chr3:37315026-37343823	exonic	GOLGA4	3	37315026	37343823	0	4	0	0	5	0	28797	1.302240305	0.130983148	2.76279339	0.047409679	NA	NA
chr7:102665509-102669865	exonic	FBXL13	7	102665509	102669865	6	2	4	13	0	1	4356	3.601815973	0.131496341	1.542347471	0.085257274	NA	NA
chr2:120677644-120692534	exonic	PTPN4	2	120677644	120692534	0	0	3	0	2	1	14890	1.142080529	0.1315843	2.695404758	0.048818011	NA	NA
chr3:27490141-27493989	exonic	SLC4A7	3	27490141	27493989	0	0	3	0	2	1	3848	1.142080529	0.1315843	2.695404758	0.048818011	NA	NA
chr7:139796354-139820329	exonic	KDM7A	7	139796354	139820329	5	0	0	2	3	0	23975	1.22063975	0.131869227	2.546964312	0.051775059	NA	NA
chr7:139797344-139819019	exonic	KDM7A	7	139797344	139819019	5	0	0	2	3	0	21675	1.22063975	0.131869227	2.546964312	0.051775059	NA	NA
chr5:122881110-122893258	exonic	CSNK1G3	5	122881110	122893258	42	29	49	46	93	6	12148	38.13281762	0.134123071	0.732563086	0.1830874	0.854729442	0.998252924
chr17:54921379-54923170	exonic	DGKE	17	54921379	54923170	5	0	4	7	4	0	1791	2.662300199	0.13469834	1.748576314	0.077033149	0.938597174	0.998252924
chr19:18648410-18649246	exonic	FKBP8	19	18648410	18649246	9	6	10	15	12	2	836	7.842664591	0.134982985	0.997190571	0.135363278	0.892324656	0.998252924
chr10:32740519-32762951	exonic	CCDC7	10	32740519	32762951	9	4	3	13	6	0	22432	4.558005296	0.136470114	1.321298691	0.103284832	0.917736913	0.998252924
chr1:46032240-46032692	exonic	AKR1A1	1	46032240	46032692	0	3	0	3	1	0	452	0.962788974	0.13915474	2.822047391	0.049309852	NA	NA
chr13:61013821-61068709	exonic	TDRD3	13	61013821	61068709	0	3	0	3	1	0	54888	0.962788974	0.13915474	2.822047391	0.049309852	NA	NA
chr3:132431969-132435753	exonic	NPHP3	3	132431969	132435753	0	3	0	3	1	0	3784	0.962788974	0.13915474	2.822047391	0.049309852	NA	NA
chr12:50821544-50835426	exonic	LARP4	12	50821544	50835426	2	4	8	6	6	3	13882	4.821917954	0.141167225	1.234383325	0.11436255	0.9089504	0.998252924
chr20:34446223-34457473	exonic	PHF20	20	34446223	34457473	9	0	5	14	3	0	11250	3.99866927	0.14260668	1.574938022	0.090547487	NA	NA
chr20:34446223-34459751	exonic	PHF20	20	34446223	34459751	9	0	5	14	3	0	13528	3.99866927	0.14260668	1.574938022	0.090547487	NA	NA
chr13:61013821-61041513	exonic	TDRD3	13	61013821	61041513	22	9	4	18	15	3	27692	9.848943121	0.142659356	0.945113023	0.150944229	0.880019711	0.998252924
chr13:61018816-61041513	exonic	TDRD3	13	61018816	61041513	22	9	4	18	15	3	22697	9.848943121	0.142659356	0.945113023	0.150944229	0.880019711	0.998252924
chrGL000218.1:90230-90629	intergenic	NONE (dist=NONE), NONE (dist=NONE)	GL000218.1	90230	90629	0	3	2	0	0	3	399	1.842021275	0.143227665	2.30058633	0.062257027	NA	NA
chr12:107393328-107393860	exonic	CRY1	12	107393328	107393860	1	1	0	1	1	0	532	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr14:50262508-50267414	exonic	NEMF	14	50262508	50267414	1	1	0	1	1	0	4906	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr14:56083234-56086030	exonic	KTNI	14	56083234	56086030	1	1	0	1	1	0	2796	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr15:64962544-64968455	exonic	ZNF609	15	64962544	64968455	1	1	0	1	1	0	5911	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr17:4186092-4192703	exonic	UBE2G1	17	4186092	4192703	1	1	0	1	1	0	6611	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr18:76856475-76974038	exonic	ATP9B	18	76856475	76974038	1	1	0	1	1	0	117563	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr2:201283972-201284219	exonic	SPATS2L	2	201283972	201284219	1	1	0	1	1	0	247	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr6:110036280-110064975	exonic	FIG4	6	110036280	110064975	1	1	0	1	1	0	28695	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr8:22332466-22355625	exonic	PPP3CC	8	22332466	22355625	1	1	0	1	1	0	23159	0.530601549	0.143319775	3.274371936	0.043770157	0.965087615	0.998252924
chr8:18656804-18662408	exonic	PSD3	8	18656804	18662408	22	13	7	0	22	11	5604	12.53718928	0.14367937	1.103212199	0.130237293	NA	NA
chr2:159992704-160007067	exonic	TANC1	2	159992704	160007067	7	4	0	6	2	2	14363	3.096372168	0.144129871	1.556408376	0.092604148	0.926218049	0.998252924

chr17:67270099-67280213	exonic	ABCA5	17	67270099	67280213	1	2	2	0	2	2	10114	1.730568653	0.144226242	1.994868697	0.072298614	0.942364268	0.998252924
chr6:76344422-76373234	exonic	SENP6	6	76344422	76373234	0	1	2	1	5	0	28812	2.091131038	0.144620448	1.998340227	0.072370283	0.942307234	0.998252924
chr12:57064058-57066849	exonic	PTGES3	12	57064058	57066849	2	4	3	3	2	3	2791	3.032528984	0.145353807	1.473672182	0.098633745	0.921429076	0.998252924
chr1:6021853-6046387	exonic	NPHP4	1	6021853	6046387	4	0	0	2	2	0	24534	0.970625385	0.146265287	2.777208396	0.052666299	NA	NA
chr11:119002244-119003929	exonic	HINFP	11	119002244	119003929	4	0	0	2	2	0	1685	0.970625385	0.146265287	2.777208396	0.052666299	NA	NA
chr10:123842161-123848106	exonic	TACC2	10	123842161	123848106	3	0	0	3	0	0	5945	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr10:17195506-17243807	exonic	TRDMT1	10	17195506	17243807	3	0	0	3	0	0	48301	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr10:72604229-72619256	exonic	SGPL1	10	72604229	72619256	3	0	0	3	0	0	15027	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr11:16117541-16208501	exonic	SOX6	11	16117541	16208501	3	0	0	3	0	0	90960	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr13:51501543-51535650	exonic	RNASEH2B	13	51501543	51535650	3	0	0	3	0	0	34107	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr14:73614502-73614802	exonic	PSEN1	14	73614502	73614802	3	0	0	3	0	0	300	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr14:75136351-75138186	exonic	AREL1	14	75136351	75138186	3	0	0	3	0	0	1835	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr15:24369722-24426402	ncRNA_exonic	PWRN2	15	24369722	24426402	3	0	0	3	0	0	56680	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr17:54978779-54981849	exonic	TRIM25	17	54978779	54981849	3	0	0	3	0	0	3070	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr19:15806746-15807880	exonic	CYP4F12	19	15806746	15807880	3	0	0	3	0	0	1134	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr19:47865732-47865950	exonic	DHX34	19	47865732	47865950	3	0	0	3	0	0	218	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr19:8389332-8389980	exonic	KANK3	19	8389332	8389980	3	0	0	3	0	0	648	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr3:141811903-141820683	exonic	TFDP2	3	141811903	141820683	3	0	0	3	0	0	8780	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr4:5664833-5667376	exonic	EVC2	4	5664833	5667376	3	0	0	3	0	0	2543	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr6:168271062-168299147	exonic	MLLT4	6	168271062	168299147	3	0	0	3	0	0	28085	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr7:152007050-152055760	exonic	KMT2C	7	152007050	152055760	3	0	0	3	0	0	48710	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr7:152012222-152055760	exonic	KMT2C	7	152012222	152055760	3	0	0	3	0	0	43538	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chrX:64295486-64333693	intergenic	ZC4H2 (dist=40862), ZC3H12B (dist=374922)	X	64295486	64333693	3	0	0	3	0	0	38207	0.705894984	0.146825919	3.435478541	0.042738127	NA	NA
chr3:56661064-56662642	exonic	FAM208A	3	56661064	56662642	6	0	9	3	11	2	1578	4.816015899	0.147584771	1.387440952	0.106371929	0.915287264	0.998252924
chr1:107866903-107867544	exonic	NTNG1	1	107866903	107867544	9	1	0	11	0	0	641	2.504583521	0.147713054	2.064737652	0.071540834	NA	NA
chr6:117010482-117026323	exonic	KPNA5	6	117010482	117026323	8	6	0	5	2	4	15841	4.084036541	0.147818507	1.438737248	0.102741836	0.918167869	0.998252924
chr10:15590453-15634303	exonic	ITGA8	10	15590453	15634303	4	2	0	7	0	0	43850	1.608679065	0.148324343	2.318329675	0.063978969	NA	NA
chr1:93029198-93170301	exonic	EVI5	1	93029198	93170301	6	0	0	3	3	0	141103	1.455938078	0.148535086	2.383805181	0.062310078	NA	NA
chr6:16326624-16328701	exonic	ATXN1	6	16326624	16328701	21	33	19	39	44	4	2077	22.91216367	0.14916904	0.763067353	0.195486073	0.845012439	0.998252924
chr4:128995614-128999117	exonic	LARP1B	4	128995614	128999117	10	6	5	2	22	0	3503	6.1970954	0.14920939	1.296491583	0.115087049	NA	NA
chr15:63824845-63855207	exonic	USP3	15	63824845	63855207	3	4	3	2	3	2	30362	1.862691549	0.149662872	1.882984342	0.07948174	0.936649455	0.998252924
chr14:61262934-61285565	exonic	MNAT1	14	61262934	61285565	0	8	2	7	2	2	22631	3.391416201	0.150339092	1.572723912	0.095591534	0.923844989	0.998252924
chr5:65284462-65290692	exonic	ERBB2IP	5	65284462	65290692	8	3	15	15	14	2	6230	8.419250222	0.150934061	1.04037113	0.145077133	NA	NA
chr6:52935854-52941341	exonic	FBXO9	6	52935854	52941341	13	9	0	14	11	0	5487	6.06497348	0.153067088	1.367868628	0.111901893	NA	NA
chr19:1271327-1272050	exonic	CIRBP	19	1271327	1272050	2	5	1	7	3	0	723	2.433883868	0.153172653	1.702643917	0.089961648	0.928317692	0.998252924

chr8:90734242-90737869	ncRNA_exonic	LOC101929709	8	90734242	90737869	8	0	2	7	4	0	3627	2.654722977	0.15376144	1.769446178	0.08689806	0.930752542	0.998252924
chr4:79747190-79772210	exonic	BMP2K	4	79747190	79772210	6	4	3	6	5	2	25020	3.922274567	0.154240031	1.271506492	0.121304949	0.9034495	0.998252924
chr4:107092251-107133992	exonic	TBCK	4	107092251	107133992	2	3	2	8	1	0	41741	2.146857837	0.155305399	1.798567882	0.086349478	NA	NA
chr4:25351113-25366127	exonic	ZCCHC4	4	25351113	25366127	2	0	4	7	1	0	15014	1.912257105	0.157527005	2.037783351	0.077303117	0.938382411	0.998252924
chr15:90414706-90432372	exonic	AP3S2, C15orf38-AP3S2	15	90414706	90432372	2	3	1	2	5	0	17666	1.795830188	0.157628779	1.895568532	0.083156466	0.933727128	0.998252924
chr22:37328806-37330036	exonic	CSF2RB	22	37328806	37330036	2	1	2	3	3	0	1230	1.508804157	0.158472601	2.008168123	0.078914011	0.937101019	0.998252924
chr5:56542126-56545403	exonic	GPBP1	5	56542126	56545403	7	3	4	7	1	4	3277	4.312893652	0.159206849	1.311614353	0.121382362	0.903388186	0.998252924
chr1:26772806-26774151	exonic	DHDDS	1	26772806	26774151	5	0	2	6	2	0	1345	1.919395919	0.159799858	1.98278032	0.080593829	0.935764974	0.998252924
chr17:19861326-19861884	exonic	AKAP10	17	19861326	19861884	4	2	8	10	8	0	558	4.473984799	0.161426174	1.362010559	0.118520501	NA	NA
chr1:35824525-35827390	exonic	ZMYM4	1	35824525	35827390	10	14	9	5	18	6	2865	14.32303933	0.162374541	0.879762219	0.184566395	NA	NA
chr1:52237741-52238395	exonic	OSBPL9	1	52237741	52238395	5	0	0	3	2	0	654	1.205923713	0.163240468	2.556490419	0.063853346	NA	NA
chr14:105692405-105693097	exonic	BRF1	14	105692405	105693097	2	3	0	5	1	0	692	1.43338563	0.163516059	2.228185704	0.073385292	0.941499521	0.998252924
chr17:80842020-80861354	exonic	TBCD	17	80842020	80861354	7	0	4	2	8	1	19334	3.181045455	0.164774533	1.583479992	0.104058487	NA	NA
chr12:46319924-46322642	exonic	SCAF11	12	46319924	46322642	12	6	5	11	9	3	2718	6.763171095	0.165092665	1.026975811	0.160756137	0.872285473	0.998252924
chr7:97820925-97823884	exonic	LMTK2	7	97820925	97823884	3	3	1	3	5	0	2959	2.031128516	0.166047308	1.790174134	0.092754836	0.926098332	0.998252924
chr14:51208299-51211083	exonic	NIN	14	51208299	51211083	1	0	1	0	2	0	2784	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr17:5250084-5253924	exonic	RABEP1	17	5250084	5253924	1	0	1	0	2	0	3840	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr2:68740211-68772444	exonic	APLF	2	68740211	68772444	1	0	1	0	2	0	32233	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr4:56319220-56322467	exonic	CLOCK	4	56319220	56322467	1	0	1	0	2	0	3247	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr4:88359428-88375607	exonic	NUDT9	4	88359428	88375607	1	0	1	0	2	0	16179	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr6:18236682-18237747	exonic	DEK	6	18236682	18237747	1	0	1	0	2	0	1065	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr8:25101189-25136181	exonic	DOCK5	8	25101189	25136181	1	0	1	0	2	0	34992	0.568310812	0.167077157	3.455627308	0.048349299	0.961437866	0.998252924
chr14:35062250-35078948	exonic	SNX6	14	35062250	35078948	0	1	2	2	0	1	16698	1.089655229	0.16777456	2.53666638	0.066139781	0.947266539	0.998252924
chr10:122640337-122649521	exonic	WDR11	10	122640337	122649521	3	1	0	0	4	0	9184	1.045346315	0.168502525	2.731102188	0.061697627	0.95080363	0.998252924
chr8:52773404-52773806	exonic	PCMTD1	8	52773404	52773806	44	28	74	41	94	21	402	47.36099097	0.171090511	0.684490991	0.249952904	NA	NA
chr6:13632601-13644961	exonic	RANBP9	6	13632601	13644961	16	17	15	25	14	9	12360	15.11165106	0.171442568	0.779188381	0.22002711	0.825850041	0.998252924
chr5:72374006-72378652	exonic	FCHO2	5	72374006	72378652	3	0	3	3	2	1	4646	1.847975513	0.171713755	1.886097022	0.091041846	0.92745934	0.998252924
chr17:62515438-62522318	exonic	CEP95	17	62515438	62522318	6	2	0	9	0	0	6880	2.079275721	0.171984661	2.137176613	0.080472835	0.935861201	0.998252924
chr20:47886478-47888287	exonic	ZNF1	20	47886478	47888287	1	0	2	4	0	0	1809	0.948770534	0.172412849	2.843567175	0.060632592	NA	NA
chrX:134679347-134690225	exonic	DDX26B	X	134679347	134690225	5	5	5	9	5	2	10878	4.68103563	0.172432226	1.19146431	0.144722947	0.884929621	0.998252924
chrX:44383248-44386611	exonic	FUNDC1	X	44383248	44386611	4	3	4	4	9	0	3363	3.342343607	0.17273086	1.475319488	0.117080308	0.906796414	0.998252924
chr5:70805291-70806978	exonic	BDP1	5	70805291	70806978	0	3	1	1	4	0	1687	1.310517495	0.173701683	2.342947416	0.074138106	0.940900495	0.998252924
chr6:117010482-117013555	exonic	KPNA5	6	117010482	117013555	15	21	28	30	31	9	3073	20.83328775	0.174165954	0.738494206	0.235839296	0.813557374	0.998252924
chr9:128677964-128697886	exonic	PBX3	9	128677964	128697886	1	1	2	3	2	0	19922	1.258789792	0.174801453	2.180299491	0.080173138	0.936099554	0.998252924
chr6:167435896-167447459	exonic	FGFR10P	6	167435896	167447459	6	0	0	4	2	0	11563	1.441222041	0.175257676	2.399075775	0.073052164	NA	NA

chr14:71880665-71996087	ncRNA_exonic	LOC145474	14	71880665	71996087	0	7	3	5	8	0	115422	3.31151397	0.176820227	1.665253414	0.106182174	0.915437814	0.998252924
chr13:51501542-51523641	exonic	RNASEH2B	13	51501542	51523641	13	9	13	16	11	7	22099	10.99962384	0.178784606	0.865608197	0.206542183	0.836367418	0.998252924
chr7:151478237-151483627	exonic	PRKAG2	7	151478237	151483627	0	4	0	2	3	0	5390	1.272808232	0.179149797	2.527392706	0.070883245	NA	NA
chr13:61013821-61034674	exonic	TDRD3	13	61013821	61034674	0	3	6	0	3	4	20853	3.302398251	0.180110928	1.753337332	0.10272463	0.918181525	0.998252924
chr16:14028048-14029600	exonic	ERCC4	16	14028048	14029600	6	0	1	3	0	2	1552	1.906562055	0.180356192	2.062995131	0.087424439	0.930334144	0.998252924
chr4:128995614-129003460	exonic	LARP1B	4	128995614	129003460	0	0	5	0	7	0	7846	1.83353708	0.180411152	3.828073904	0.04712844	NA	NA
chr6:32088547-32089125	exonic	ATF6B	6	32088547	32089125	2	2	2	2	5	0	578	1.818823414	0.181130608	1.869643617	0.096879751	0.922821889	0.998252924
chr6:87925620-87928449	exonic	ZNF292	6	87925620	87928449	27	16	10	22	25	6	2829	15.45759817	0.182370363	0.778026116	0.234401339	0.814673419	0.998252924
chr1:12638745-12639440	exonic	DHRS3	1	12638745	12639440	4	4	0	6	1	1	695	2.280165309	0.182375053	1.773833153	0.102814097	0.918110517	0.998252924
chr12:28378728-28412375	exonic	CCDC91	12	28378728	28412375	9	9	19	18	22	3	33647	11.9783402	0.184049025	0.903702599	0.203661055	0.838618378	0.998252924
chr9:128419929-128434922	exonic	MAPKAP1	9	128419929	128434922	2	1	2	4	2	0	14993	1.49408812	0.184402273	2.021820239	0.091206067	0.927328854	0.998252924
chr16:68155889-68191971	exonic	NFATC3	16	68155889	68191971	0	0	3	0	4	0	36082	1.075916764	0.184447408	2.962220929	0.062266594	NA	NA
chr17:7849045-7849304	exonic	CNTROB	17	7849045	7849304	0	0	3	0	4	0	259	1.075916764	0.184447408	2.962220929	0.062266594	NA	NA
chr6:108243000-108250718	exonic	SEC63	6	108243000	108250718	0	0	3	0	4	0	7718	1.075916764	0.184447408	2.962220929	0.062266594	NA	NA
chr11:120347369-120348235	exonic	ARHGEF12	11	120347369	120348235	7	1	3	5	5	1	866	3.113904119	0.184950824	1.452790874	0.127307259	0.898697216	0.998252924
chr3:15452752-15457449	exonic	METTL6	3	15452752	15457449	2	4	0	4	3	0	4697	1.743404888	0.185191855	2.04080366	0.090744572	0.927695553	0.998252924
chr2:202010100-202014558	exonic	CFLAR	2	202010100	202014558	4	3	2	2	4	2	4458	2.746482894	0.185446795	1.499346085	0.123685116	0.901564597	0.998252924
chr15:43086841-43132631	exonic	TTBK2	15	43086841	43132631	4	0	0	3	1	0	45790	0.955909348	0.186049549	2.812836147	0.066143045	NA	NA
chr17:18768781-18781183	exonic	PRPSAP2	17	18768781	18781183	3	0	0	1	0	1	12402	0.801490822	0.187938345	3.057567214	0.061466628	NA	NA
chr17:16004563-16005071	exonic	NCOR1	17	16004563	16005071	5	0	7	10	5	0	508	3.694068853	0.18833504	1.588385423	0.118570114	0.905615944	0.998252924
chr3:169854206-169896726	exonic	PHC3	3	169854206	169896726	0	4	2	1	2	3	42520	3.137822733	0.188861114	1.605388288	0.117642016	0.906351312	0.998252924
chr18:29691716-29704808	exonic	RNF138	18	29691716	29704808	2	0	2	5	0	0	13092	1.184068862	0.189456096	2.595259325	0.073000834	NA	NA
chr1:224592131-224612356	exonic	WDR26	1	224592131	224612356	2	1	0	1	2	0	20225	0.780615913	0.189633328	2.807145299	0.067553799	0.946140835	0.998252924
chr1:29313942-29323831	exonic	EPB41	1	29313942	29323831	2	1	0	1	2	0	9889	0.780615913	0.189633328	2.807145299	0.067553799	0.946140835	0.998252924
chr1:100889777-100908552	exonic	CDC14A	1	100889777	100908552	0	0	4	6	0	0	18775	1.426944413	0.190719185	2.678742313	0.071197287	NA	NA
chr5:78915434-78919312	exonic	PAPD4	5	78915434	78919312	0	0	4	6	0	0	3878	1.426944413	0.190719185	2.678742313	0.071197287	NA	NA
chr12:80317747-80318318	intronic	PPP1R12A	12	80317747	80318318	0	3	0	4	0	0	571	0.948072938	0.191659351	3.091438932	0.06199681	NA	NA
chr12:82780581-82796909	exonic	METTL25	12	82780581	82796909	0	3	0	4	0	0	16328	0.948072938	0.191659351	3.091438932	0.06199681	NA	NA
chr14:39746137-39796226	exonic	CTAGE5	14	39746137	39796226	0	3	0	4	0	0	50089	0.948072938	0.191659351	3.091438932	0.06199681	NA	NA
chr15:86118361-86129054	exonic	AKAP13	15	86118361	86129054	0	3	0	4	0	0	10693	0.948072938	0.191659351	3.091438932	0.06199681	NA	NA
chr16:53289511-53302038	exonic	CHD9	16	53289511	53302038	0	3	0	4	0	0	12527	0.948072938	0.191659351	3.091438932	0.06199681	NA	NA
chr6:144086397-144098520	exonic	PHACTR2	6	144086397	144098520	0	3	0	4	0	0	12123	0.948072938	0.191659351	3.091438932	0.06199681	NA	NA
chr2:173435453-173460751	exonic	PDK1	2	173435453	173460751	0	7	0	0	8	0	25298	1.597543526	0.193325534	2.581654615	0.074884353	NA	NA
chr16:31102096-31102663	exonic	VKORC1	16	31102096	31102663	12	13	5	23	4	4	567	8.96191981	0.193730493	1.002505098	0.193246392	0.846766008	0.998252924
chr7:139741443-139757834	exonic	PARP12	7	139741443	139757834	1	3	0	5	0	0	16391	1.183371266	0.195139081	2.616332634	0.074584966	NA	NA

chr14:99924615-99932150	exonic	SETD3	14	99924615	99932150	39	34	20	55	27	5	7535	33.84438264	0.195675944	0.707963145	0.27639284	0.782246356	0.998252924
chr4:78694234-78697546	exonic	CNOT6L	4	78694234	78697546	17	2	4	10	10	2	3312	6.220231015	0.196052485	1.14124934	0.1717876	NA	NA
chr11:120916382-120930794	exonic	TBCEL	11	120916382	120930794	23	14	18	52	14	1	14412	16.48819787	0.196263373	0.910737351	0.215499422	NA	NA
chr20:47569241-47580435	exonic	ARFGEF2	20	47569241	47580435	5	0	6	5	8	0	11194	3.328325167	0.199122971	1.635607237	0.121742535	0.903102926	0.998252924
chr7:40027197-40041630	exonic	CDK13	7	40027197	40041630	9	8	5	3	11	5	14433	6.732762845	0.200694976	1.083118416	0.185293661	NA	NA
chr7:16298014-16317851	exonic	ISPD	7	16298014	16317851	7	7	2	10	2	3	19837	4.747201766	0.202772959	1.246260368	0.162705133	0.870750605	0.998252924
chr12:51449617-51450285	exonic	LETMD1	12	51449617	51450285	5	2	0	1	6	0	668	1.825962228	0.203085957	2.055409472	0.098805596	0.921292626	0.998252924
chr12:42604157-42604482	exonic	YAF2	12	42604157	42604482	12	5	0	5	6	3	325	4.601599592	0.203563688	1.352940409	0.150460202	0.880401547	0.998252924
chr1:151395872-151403317	exonic	POGZ	1	151395872	151403317	1	1	0	2	0	0	7445	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr11:47504246-47510576	exonic	CELF1	11	47504246	47510576	1	1	0	2	0	0	6330	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr19:9767222-9770143	exonic	ZNF562	19	9767222	9770143	1	1	0	2	0	0	2921	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr20:47682728-47689234	exonic	CSE1L	20	47682728	47689234	1	1	0	2	0	0	6506	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr22:38895404-38897285	exonic	DDX17	22	38895404	38897285	1	1	0	2	0	0	1881	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr4:56877577-56878151	exonic	CEP135	4	56877577	56878151	1	1	0	2	0	0	574	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr4:89396991-89400658	exonic	HERC5	4	89396991	89400658	1	1	0	2	0	0	3667	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr6:76412360-76419346	exonic	SENPA6	6	76412360	76419346	1	1	0	2	0	0	6986	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr7:86990705-87006766	exonic	CROT	7	86990705	87006766	1	1	0	2	0	0	16061	0.515885512	0.203966043	3.576248469	0.057033521	0.954518492	0.998252924
chr10:15858833-15885271	exonic	FAM188A	10	15858833	15885271	0	1	0	1	3	1	26438	1.096794043	0.205791528	2.356533312	0.087328079	0.930410735	0.998252924
chr9:37126309-37127260	exonic	ZCCHC7	9	37126309	37127260	7	3	5	15	3	0	951	4.369834167	0.206246293	1.373638985	0.150145923	NA	NA
chr1:172520651-172526934	exonic	SUCO	1	172520651	172526934	9	9	8	13	7	5	6283	8.077849884	0.207658001	0.96519321	0.215146562	0.829653053	0.998252924
chr2:227771508-227779067	exonic	RHBDD1	2	227771508	227779067	9	8	5	8	17	0	7559	6.449391257	0.208243484	1.180225533	0.176443805	0.859945293	0.998252924
chr4:129913321-129925031	exonic	SCLT1	4	129913321	129925031	44	26	32	68	38	7	11710	30.50495156	0.209127882	0.686058908	0.304824964	0.760499467	0.998252924
chr1:225140371-225161855	exonic	DNAH14	1	225140371	225161855	27	12	6	2	9	16	21484	12.9909385	0.209530953	1.03890077	0.201685242	NA	NA
chr1:247320302-247323115	exonic	ZNF124	1	247320302	247323115	3	2	4	8	3	0	2813	2.738161875	0.209547517	1.5978977	0.131139507	0.895664949	0.998252924
chr1:35879572-35881315	exonic	ZMYM4	1	35879572	35881315	3	2	3	1	8	0	1743	2.401850263	0.209781318	1.73406279	0.120976771	NA	NA
chr3:47651555-47719801	exonic	SMARCC1	3	47651555	47719801	0	0	6	3	3	1	68246	2.173849183	0.210344871	1.980240349	0.106221889	NA	NA
chr22:24698162-24743144	exonic	SPECC1L	22	24698162	24743144	0	2	0	3	2	0	44982	1.258092195	0.21077058	2.536286823	0.083102029	NA	NA
chr9:91009042-91010687	intronic	SPIN1	9	91009042	91010687	0	4	0	3	2	0	1645	1.258092195	0.21077058	2.536286823	0.083102029	NA	NA
chr5:95099211-95124562	exonic	RHOBTB3	5	95099211	95124562	3	0	1	0	4	0	25351	1.068339541	0.213215889	2.712503304	0.07860484	0.937346937	0.998252924
chr18:51804072-51813781	exonic	POLI	18	51804072	51813781	6	9	3	13	6	1	9709	5.350642071	0.215583123	1.183728616	0.182122085	0.855486917	0.998252924
chr12:26208168-26220646	exonic	RASSF8	12	26208168	26220646	0	1	2	2	1	0	12478	1.008775427	0.217395447	2.573261173	0.084482465	0.932672844	0.998252924
chr2:70387756-70409129	exonic	C2orf42	2	70387756	70409129	0	1	2	3	1	0	21373	1.008775427	0.217395447	2.573261173	0.084482465	0.932672844	0.998252924
chr3:110830876-110866331	exonic	PVRL3	3	110830876	110866331	0	1	2	3	1	0	35455	1.008775427	0.217395447	2.573261173	0.084482465	0.932672844	0.998252924
chr5:123979203-124036962	exonic	ZNF608	5	123979203	124036962	3	0	3	5	0	1	57759	1.818543439	0.217637789	2.07015799	0.105131005	0.916271857	0.998252924
chr7:11021998-11030474	exonic	PHF14	7	11021998	11030474	0	3	1	3	0	1	8476	1.347249187	0.219700193	2.340574849	0.093865912	0.925215673	0.998252924

chr17:60106901-60140662	exonic	MED13	17	60106901	60140662	1	0	1	1	1	0	33761	0.553594775	0.222133756	3.226204879	0.06885296	0.945106662	0.998252924
chr4:83799882-83802075	exonic	SEC31A	4	83799882	83802075	1	0	1	1	1	0	2193	0.553594775	0.222133756	3.226204879	0.06885296	0.945106662	0.998252924
chr10:102683731-102685776	exonic	SLF2	10	102683731	102685776	5	6	3	7	9	0	2045	4.115823077	0.222143059	1.355678889	0.163861119	0.869840476	0.998252924
chr9:129102786-129157976	exonic	MVB12B	9	129102786	129157976	0	5	2	6	3	0	55190	2.266867623	0.223881168	1.885134361	0.118761385	0.905464402	0.998252924
chr17:58012553-58018304	exonic	RPS6KB1	17	58012553	58018304	6	2	0	3	5	0	5751	2.046544519	0.224531257	1.92642823	0.116553139	0.907214174	0.998252924
chr4:85818063-85853516	UTR5	WDFY3(NM_014991:c.-71579..-71772delins0)	4	85818063	85853516	3	2	0	0	5	0	35453	1.340649536	0.226659781	2.476880461	0.091510182	NA	NA
chr18:34646852-34647508	exonic	KIAA1328	18	34646852	34647508	1	0	3	3	2	0	656	1.281783018	0.227463756	2.32887168	0.097671228	0.922193363	0.998252924
chr1:9328189-9331114	UTR3	WDFY3(NM_014991:c.-71579..-71772delins0)	1	9328189	9331114	4	0	0	4	0	0	2925	0.941193312	0.227661861	3.084342426	0.073812122	NA	NA
chr12:5908673-5941769	exonic	ANO2	12	5908673	5941769	4	0	0	4	0	0	33096	0.941193312	0.227661861	3.084342426	0.073812122	NA	NA
chr15:57119722-57142384	intergenic	ZNF280D(dist=93438), LOC145783(dist=35984)	15	57119722	57142384	4	0	0	4	0	0	22662	0.941193312	0.227661861	3.084342426	0.073812122	NA	NA
chr17:44552566-44564506	intergenic	NSFP1(dist=52103), ARL17A(dist=21541)	17	44552566	44564506	4	0	0	4	0	0	11940	0.941193312	0.227661861	3.084342426	0.073812122	NA	NA
chr19:17263453-17265225	exonic	MYO9B	19	17263453	17265225	4	0	0	4	0	0	1772	0.941193312	0.227661861	3.084342426	0.073812122	NA	NA
chr7:72617462-72618644	ncRNA_exonic	GTF2IP1,GTF2IP4	7	72617462	72618644	4	0	0	4	0	0	1182	0.941193312	0.227661861	3.084342426	0.073812122	NA	NA
chr6:82920530-82922510	exonic	IBTK	6	82920530	82922510	9	3	6	10	6	2	1980	5.273039635	0.228942384	1.150553232	0.198984608	0.842274785	0.998252924
chr1:155823066-155823597	exonic	GON4L	1	155823066	155823597	36	22	15	52	16	7	531	21.05879394	0.229475361	0.755943252	0.303561624	NA	NA
chr1:27269150-27269556	exonic	NUDC	1	27269150	27269556	44	20	8	54	19	3	406	19.70408531	0.230357522	0.852089796	0.270344186	0.786895475	0.998252924
chr22:30366964-30375041	exonic	MTMR3	22	30366964	30375041	2	1	0	2	1	0	8077	0.765899877	0.230850642	2.823645705	0.081756235	0.934840559	0.998252924
chr18:42281140-42339068	exonic	SETBP1	18	42281140	42339068	0	5	0	2	4	0	57928	1.568111453	0.231708921	2.353729425	0.098443313	NA	NA
chr8:64098705-64100303	exonic	YTHDF3	8	64098705	64100303	0	5	0	2	4	0	1598	1.568111453	0.231708921	2.353729425	0.098443313	NA	NA
chr17:1746096-1756483	exonic	RPA1	17	1746096	1756483	0	1	3	0	5	0	10387	1.371219985	0.232072034	2.505234654	0.092634849	NA	NA
chr2:43969879-43973102	exonic	PLEKHH2	2	43969879	43973102	7	6	0	9	3	1	3223	3.576666734	0.232745708	1.495069963	0.155675462	NA	NA
chr1:205585606-205593019	exonic	ELK4	1	205585606	205593019	52	39	23	64	23	19	7413	33.48497769	0.232815313	0.660796068	0.352325511	NA	NA
chr13:50025688-50026045	exonic	SETDB2	13	50025688	50026045	4	4	1	6	4	0	357	2.532297991	0.233807927	1.645335031	0.142103537	0.886998225	0.998252924
chr19:8520288-8528570	exonic	HNRNPM	19	8520288	8528570	21	17	14	27	26	3	8282	15.37495693	0.234579856	0.803787328	0.291843188	0.770406522	0.998252924
chr17:74003141-74006624	exonic	EVPL	17	74003141	74006624	5	0	0	5	0	0	3483	1.17649164	0.234662406	2.840865003	0.082602449	NA	NA
chr4:169923221-169928907	exonic	CBR4	4	169923221	169928907	0	2	2	2	3	0	5686	1.318794685	0.235374738	2.289808304	0.102792333	0.91812779	0.998252924
chr6:36492117-36507981	exonic	STK38	6	36492117	36507981	0	2	2	2	3	0	15864	1.318794685	0.235374738	2.289808304	0.102792333	0.91812779	0.998252924
chr14:104128452-104129264	exonic	KLC1	14	104128452	104129264	6	1	0	5	2	0	812	1.721809225	0.236206073	2.084671217	0.113306152	0.90978784	0.998252924
chr10:32197099-32199491	exonic	ARHGAP12	10	32197099	32199491	83	31	29	85	44	13	2392	40.19778397	0.237363696	0.65187092	0.364126836	NA	NA
chr11:46098304-46113774	exonic	PHF21A	11	46098304	46113774	21	4	8	29	8	0	15470	9.035230743	0.238675787	1.133631541	0.210540884	0.833245546	0.998252924
chr18:56585502-56587865	exonic	ZNF532	18	56585502	56587865	7	8	4	8	5	4	2363	5.77469372	0.238927044	1.104811392	0.216260482	0.828784711	0.998252924
chr10:15875628-15889942	exonic	FAM188A	10	15875628	15889942	8	6	4	9	11	0	14314	5.154730545	0.239732697	1.247082332	0.19223486	0.847558241	0.998252924
chr2:48722817-48738607	exonic	PPP1R21	2	48722817	48738607	4	0	1	2	3	0	15790	1.288921832	0.240256669	2.307917243	0.104101076	0.917089137	0.998252924
chr7:122255234-122269382	exonic	CADPS2	7	122255234	122269382	4	0	1	2	3	0	14148	1.288921832	0.240256669	2.307917243	0.104101076	0.917089137	0.998252924
chr2:30748452-30756180	exonic	LCLAT1	2	30748452	30756180	8	9	3	16	7	0	7728	5.740358925	0.240607057	1.234118893	0.194962623	0.845422209	0.998252924

chr2:190656515-190682906	exonic	PMS1	2	190656515	190682906	10	10	9	12	19	1	26391	8.691524893	0.240661382	0.99996335	0.240670202	0.809810735	0.998252924
chr5:132227855-132228810	exonic	AFF4	5	132227855	132228810	9	2	13	6	13	4	955	7.518030644	0.24082369	1.082813707	0.222405469	0.823998255	0.998252924
chr17:54926056-54933986	exonic	DGKE	17	54926056	54933986	7	3	8	11	10	0	7930	5.383587656	0.241395385	1.252067189	0.192797469	0.847117586	0.998252924
chr7:35707043-35712888	exonic	HERPUD2	7	35707043	35712888	6	6	4	9	7	1	5845	4.720865581	0.241774291	1.202738016	0.201019912	0.840683004	0.998252924
chr11:66407170-66407594	exonic	RBM4	11	66407170	66407594	3	0	1	1	3	0	424	1.053623504	0.242584119	2.513281335	0.096520877	0.923106894	0.998252924
chr9:111819470-111826847	exonic	TMEM245	9	111819470	111826847	3	0	1	1	3	0	7377	1.053623504	0.242584119	2.513281335	0.096520877	0.923106894	0.998252924
chr10:34558584-34573173	exonic	PARD3	10	34558584	34573173	10	4	6	9	13	0	14589	5.700745727	0.24466948	1.218157598	0.200852074	0.840814243	0.998252924
chr1:29068914-29070498	exonic	YTHDF2	1	29068914	29070498	2	0	1	1	2	0	1584	0.80360914	0.244811435	2.780905212	0.088033002	0.929850446	0.998252924
chr14:103803013-103806140	exonic	EIF5	14	103803013	103806140	2	0	1	1	2	0	3127	0.80360914	0.244811435	2.780905212	0.088033002	0.929850446	0.998252924
chr9:33311103-33319125	exonic	NFX1	9	33311103	33319125	2	2	0	0	2	1	8022	1.156798936	0.245405581	2.448761311	0.100216211	0.920172676	0.998252924
chr2:89082250-89092011	ncRNA_exonic	ANKRD36BP2	2	89082250	89092011	3	25	20	11	44	2	9761	15.80030533	0.24577022	1.017978045	0.241429784	NA	NA
chr12:104514178-104517201	exonic	NFYB	12	104514178	104517201	3	0	4	3	5	0	3023	2.100108195	0.245893496	1.912876255	0.128546473	0.897716523	0.998252924
chr6:144858717-144860579	exonic	UTRN	6	144858717	144860579	4	8	6	9	10	1	1862	5.56906361	0.24757041	1.157680456	0.213850384	0.830663733	0.998252924
chr1:8716031-8716500	exonic	RERE	1	8716031	8716500	15	24	5	15	10	11	469	13.29911814	0.247714442	0.894306504	0.276990541	0.781787369	0.998252924
chr1:243468014-243542165	exonic	SDCCAG8	1	243468014	243542165	6	1	0	0	0	3	74151	1.872853282	0.248141687	2.297084954	0.108024602	NA	NA
chr18:2890558-2892484	exonic	EMILIN2	18	2890558	2892484	9	8	3	5	8	4	1926	5.87954669	0.251987061	1.110777076	0.226856555	0.820535285	0.998252924
chr10:50708583-50714058	exonic	ERCC6	10	50708583	50714058	1	2	5	6	4	0	5475	2.585861667	0.252438969	1.675153605	0.150696013	0.880215519	0.998252924
chr3:182788786-182789145	exonic	MCCC1	3	182788786	182789145	1	1	3	3	3	0	359	1.577086239	0.252998755	2.007477665	0.126028179	0.899709618	0.998252924
chr5:153377362-153414527	exonic	FAM114A2	5	153377362	153414527	3	1	1	0	5	0	37165	1.363642762	0.254883496	2.305216247	0.11056815	NA	NA
chr6:76344422-76388643	exonic	SENP6	6	76344422	76388643	3	8	8	4	6	7	44221	4.711049895	0.255061622	1.29448383	0.197037318	NA	NA
chr3:4452548-4461830	exonic	SUMF1	3	4452548	4461830	3	0	3	6	1	0	9282	1.737663638	0.257537305	2.084784687	0.123531848	0.901685956	0.998252924
chr1:243468014-243480195	exonic	SDCCAG8	1	243468014	243480195	2	4	2	3	2	2	12181	2.52704135	0.25772861	1.566513941	0.164523662	0.869318921	0.998252924
chr1:155640110-155644887	exonic	YY1AP1	1	155640110	155644887	0	2	0	0	2	0	4777	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr1:227227831-227257554	exonic	CDC42BPA	1	227227831	227257554	0	2	0	0	2	0	29723	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr1:93089732-93170301	exonic	EVI5	1	93089732	93170301	0	2	0	0	2	0	80569	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr10:126384727-126395456	exonic	FAM53B	10	126384727	126395456	0	2	0	0	2	0	10729	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr15:90760670-90763123	exonic	SEMA4B	15	90760670	90763123	0	2	0	0	2	0	2453	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr17:6563244-6564732	ncRNA_exonic	ALOX15P1	17	6563244	6564732	0	2	0	0	2	0	1488	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr19:40747844-40748594	exonic	AKT2	19	40747844	40748594	0	2	0	0	2	0	750	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr2:61706510-61706810	intronic	XPO1	2	61706510	61706810	0	2	0	0	2	0	300	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr20:37612341-37623523	exonic	DHX35	20	37612341	37623523	0	2	0	0	2	0	11182	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr3:14986181-14986410	ncRNA_exonic	FGD5-AS1	3	14986181	14986410	0	2	0	0	2	0	229	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr5:108373122-108382899	exonic	FER	5	108373122	108382899	0	2	0	0	2	0	9777	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr5:132400671-132406188	exonic	HSPA4	5	132400671	132406188	0	2	0	0	2	0	5517	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr6:109740389-109757402	exonic	PPIL6	6	109740389	109757402	0	2	0	0	2	0	17013	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924

chr6:155095123-155182132	exonic	SCAF8	6	155095123	155182132	0	2	0	0	2	0	87009	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr7:92921014-92940584	exonic	VPS50	7	92921014	92940584	0	2	0	0	2	0	19570	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr8:101232506-101243516	exonic	SPAG1	8	101232506	101243516	0	2	0	0	2	0	11010	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr8:131092147-131104389	exonic	ASAP1	8	131092147	131104389	0	2	0	0	2	0	12242	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr8:74585341-74621397	exonic	STAU2	8	74585341	74621397	0	2	0	0	2	0	36056	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr9:102677459-102691125	exonic	STX17	9	102677459	102691125	0	2	0	0	2	0	13666	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr9:115166274-115216442	exonic	HSDL2	9	115166274	115216442	0	2	0	0	2	0	50168	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr9:123751323-123753558	exonic	C5	9	123751323	123753558	0	2	0	0	2	0	2235	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr9:88190229-88248289	exonic	AGTPBP1	9	88190229	88248289	0	2	0	0	2	0	58060	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chrX:53641494-53641706	exonic	HUWE1	X	53641494	53641706	0	2	0	0	2	0	212	0.590606442	0.258193774	3.703223597	0.069721357	0.944415443	0.998252924
chr5:137288316-137290065	exonic	FAM13B	5	137288316	137290065	2	0	3	5	1	0	1749	1.50236531	0.258582958	2.200652041	0.117502882	0.90646156	0.998252924
chr3:11399891-11421526	exonic	ATG7	3	11399891	11421526	4	0	1	3	0	1	21635	1.340369561	0.258773505	2.327003737	0.111204594	0.911454109	0.998252924
chr18:74561481-74593468	exonic	ZNF236	18	74561481	74593468	5	5	2	6	5	1	31987	3.462075789	0.259278501	1.361233386	0.190473216	0.84893833	0.998252924
chr22:38890025-38897285	exonic	DDX17	22	38890025	38897285	0	0	1	4	0	0	7260	4.255245592	0.259980926	1.354796022	0.191896729	0.847823099	0.998252924
chr22:38890634-38897285	exonic	DDX17	22	38890634	38897285	4	4	3	7	3	0	6651	4.255245592	0.259980926	1.354796022	0.191896729	0.847823099	0.998252924
chr22:50810448-50832564	exonic	PPP6R2	22	50810448	50832564	17	13	14	14	9	12	22116	13.49635927	0.263883223	0.847267969	0.311451905	NA	NA
chr4:144336629-144361535	exonic	GAB1	4	144336629	144361535	2	8	0	4	3	2	24906	3.056945302	0.264118082	1.600785208	0.16499283	NA	NA
chr3:160131260-160132305	exonic	SMC4	3	160131260	160132305	2	3	0	0	1	2	1045	1.518265922	0.265059929	2.249338946	0.117839034	0.9061952	0.998252924
chr10:52193235-52350007	UTR5	<small>SOM51 (NM_147156:c.-245682_-246133delins0)</small>	10	52193235	52350007	5	0	1	4	2	0	156772	1.509504124	0.26563416	2.180242847	0.12183696	0.903028142	0.998252924
chr10:52220432-52350007	UTR5	<small>SOM51 (NM_147156:c.-245763_-246133delins0)</small>	10	52220432	52350007	5	0	1	4	2	0	129575	1.509504124	0.26563416	2.180242847	0.12183696	0.903028142	0.998252924
chr16:8952206-8953192	exonic	CARHSP1	16	8952206	8953192	4	1	1	2	0	2	986	1.716552584	0.26665051	2.000319808	0.133303939	0.893953012	0.998252924
chr17:60111147-60112969	exonic	MED13	17	60111147	60112969	7	7	4	10	10	0	1822	5.185303365	0.266724937	1.244082697	0.214394861	0.830239149	0.998252924
chr18:42529845-42533305	exonic	SETBP1	18	42529845	42533305	9	5	3	8	10	0	3460	4.684833856	0.268200596	1.296575408	0.206853064	0.836124613	0.998252924
chr11:9735012-9761894	exonic	SWAP70	11	9735012	9761894	2	1	0	0	1	1	26882	0.861495715	0.270639684	2.764797141	0.097887718	0.922021453	0.998252924
chr12:77239488-77243250	exonic	ZDHHC17	12	77239488	77243250	2	1	0	0	1	1	3762	0.861495715	0.270639684	2.764797141	0.097887718	0.922021453	0.998252924
chr4:154191486-154197282	exonic	TRIM2	4	154191486	154197282	2	1	0	0	1	1	5796	0.861495715	0.270639684	2.764797141	0.097887718	0.922021453	0.998252924
chr9:33944362-33956144	exonic	UBAP2	9	33944362	33956144	2	3	1	1	2	3	11782	3.381400621	0.272508641	1.47703632	0.184496913	0.853623649	0.998252924
chr3:171830241-171851336	exonic	FNDC3B	3	171830241	171851336	0	5	3	0	3	3	21095	2.750924164	0.272767562	1.83271992	0.148832104	0.881686117	0.998252924
chr4:186168447-186188309	exonic	SNX25	4	186168447	186188309	3	12	3	5	9	3	19862	5.615537042	0.272984792	1.185644915	0.230241608	NA	NA
chr12:28408514-28460682	exonic	CCDC91	12	28408514	28460682	8	4	4	8	5	2	52168	4.590140248	0.273732833	1.19834112	0.228426471	0.819314712	0.998252924
chr19:17387303-17387718	exonic	BABAM1	19	17387303	17387718	14	10	4	23	8	0	415	7.751032525	0.274070388	1.138924972	0.240639545	0.809834498	0.998252924
chr5:95099211-95119667	exonic	RHOBTB3	5	95099211	95119667	3	1	1	1	4	0	20456	1.348926725	0.275150733	2.14365651	0.128355794	NA	NA
chr15:80412669-80415142	exonic	ZFAND6	15	80412669	80415142	26	12	23	19	22	12	2473	18.36330059	0.275447613	0.753726192	0.365447846	0.714777131	0.998252924
chr15:93521463-93528903	exonic	CHD2	15	93521463	93528903	3	1	0	3	1	0	7440	1.001198205	0.275459013	2.55462625	0.10782752	0.914132512	0.998252924
chr7:73100965-73101425	exonic	WBSR22	7	73100965	73101425	3	4	7	12	5	0	460	4.345820934	0.276273782	1.365554539	0.202316183	0.839669549	0.998252924

chr2:109388156-109389502	exonic	RANBP2	2	109388156	109389502	9	5	3	9	9	0	1346	4.67011782	0.276580908	1.29515593	0.213550277	0.830897778	0.998252924
chr14:97026986-97031551	exonic	PAPOLA	14	97026986	97031551	6	0	4	8	3	0	4565	2.776571105	0.27668786	1.735742071	0.159406092	0.87334894	0.998252924
chr1:243456392-243542165	exonic	SDCCAG8	1	243456392	243542165	6	0	1	0	0	3	85773	1.895846509	0.276966499	2.290258791	0.120932403	NA	NA
chr1:151498117-151499583	exonic	CGN	1	151498117	151499583	2	1	0	3	0	0	1466	0.75118384	0.27707628	3.080863018	0.089934631	NA	NA
chr14:31535331-31542179	exonic	AP4S1	14	31535331	31542179	2	1	0	3	0	0	6848	0.75118384	0.27707628	3.080863018	0.089934631	NA	NA
chr6:108202352-108204350	exonic	SEC63	6	108202352	108204350	2	1	0	3	0	0	1998	0.75118384	0.27707628	3.080863018	0.089934631	NA	NA
chr7:5680784-5692141	exonic	RNF216	7	5680784	5692141	2	1	0	3	0	0	11357	0.75118384	0.27707628	3.080863018	0.089934631	NA	NA
chr9:80409378-80430686	exonic	GNAQ	9	80409378	80430686	2	1	0	3	0	0	21308	0.75118384	0.27707628	3.080863018	0.089934631	NA	NA
chr18:60206913-60243885	exonic	ZCCHC2	18	60206913	60243885	3	0	0	0	3	1	36972	1.452102157	0.27828024	2.249597775	0.12370222	0.901551053	0.998252924
chr17:62515438-62529309	exonic	CEP95	17	62515438	62529309	3	0	1	2	2	0	13871	1.038907468	0.27895501	2.504251368	0.111392576	0.911305047	0.998252924
chr6:163876310-163956157	exonic	QKI	6	163876310	163956157	1	1	3	4	2	0	79847	1.562370203	0.279139561	2.020627675	0.138144976	0.890125841	0.998252924
chr6:47251673-47254331	exonic	TNFRSF21	6	47251673	47254331	6	24	8	18	11	7	2658	11.93712987	0.280368092	0.921455243	0.304266642	0.760924757	0.998252924
chr1:8555122-8674745	exonic	RERE	1	8555122	8674745	6	4	0	5	1	2	119623	2.740046418	0.280699455	1.65578549	0.169526462	0.86538256	0.998252924
chr12:28458581-28544344	exonic	CCDC91	12	28458581	28544344	1	4	2	3	5	0	85763	2.144699455	0.282712096	1.780223079	0.158807118	0.873820841	0.998252924
chr7:8043537-8110761	exonic	GLCCI1	7	8043537	8110761	1	4	2	3	5	0	67224	2.144699455	0.282712096	1.780223079	0.158807118	0.873820841	0.998252924
chr14:50292584-50298079	exonic	NEMF	14	50292584	50298079	5	2	1	3	3	1	5495	2.180990367	0.283283666	1.656839463	0.170978343	0.864240795	0.998252924
chr2:201994451-201997857	exonic	CFLAR	2	201994451	201997857	0	0	3	3	1	0	3406	1.031768654	0.284071845	2.760845603	0.102893057	NA	NA
chr4:151656409-151738409	exonic	LRBA	4	151656409	151738409	0	0	0	0	2	0	82000	1.031768654	0.284071845	2.760845603	0.102893057	NA	NA
chr2:113157208-113157771	exonic	RGPD5, RGPD8	2	113157208	113157771	1	2	11	4	11	1	563	4.712263611	0.285792287	1.378915696	0.207258709	NA	NA
chr1:53699213-53701307	exonic	MAGOH	1	53699213	53701307	2	0	1	2	1	0	2094	0.788893103	0.286108601	2.796664312	0.102303519	0.918515762	0.998252924
chr12:109689850-109692139	exonic	ACACB	12	109689850	109692139	2	0	1	2	1	0	2289	0.788893103	0.286108601	2.796664312	0.102303519	0.918515762	0.998252924
chr1:52305897-52306186	exonic	NRDC	1	52305897	52306186	1	0	1	2	0	0	289	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr11:9834078-9851043	exonic	SBF2	11	9834078	9851043	1	0	1	2	0	0	16965	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr17:47793526-47795076	exonic	FAM117A	17	47793526	47795076	1	0	1	2	0	0	1550	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr2:105912812-105915162	exonic	TGFBRAP1	2	105912812	105915162	1	0	1	2	0	0	2350	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr5:100222046-100231489	exonic	ST8SIA4	5	100222046	100231489	1	0	1	2	0	0	9443	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr6:42235891-42237586	exonic	TRERF1	6	42235891	42237586	1	0	1	2	0	0	1695	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr9:19286766-19300329	exonic	DENND4C	9	19286766	19300329	5	0	1	4	0	0	13563	0.538878739	0.286520843	3.51937272	0.081412475	0.935113929	0.998252924
chr10:112723882-112745523	exonic	SHOC2	10	112723882	112745523	5	10	14	21	12	1	21641	9.14254582	0.287784581	1.030629587	0.279231825	0.780066921	0.998252924
chr17:45695715-45696530	exonic	NPEPPS	17	45695715	45696530	3	5	1	7	3	0	815	2.562870811	0.288880505	1.658351369	0.174197405	0.861710325	0.998252924
chr7:155471301-155473602	exonic	RBM33	7	155471301	155473602	1	3	0	0	0	2	2301	1.268251558	0.289752749	2.615351569	0.110789216	0.911783497	0.998252924
chr2:231307651-231314970	exonic	SP100	2	231307651	231314970	32	15	7	37	13	5	7319	12.00002688	0.290968646	0.898814834	0.323724793	0.746146399	0.998252924
chrX:13684436-13698717	downstream	TCEANC (dist=909)	X	13684436	13698717	4	0	3	8	0	0	14281	1.958245929	0.291051477	2.171861277	0.13401016	NA	NA
chr22:40948109-40990739	UTR5	-----	22	40948109	40990739	3	0	4	6	0	1	42630	2.12212385	0.292395236	1.971400836	0.148318511	0.882091408	0.998252924
chr4:151656409-151729550	exonic	LRBA	4	151656409	151729550	0	1	3	3	0	1	73141	1.39323564	0.292995946	2.319806362	0.126301898	0.899492954	0.998252924

chr4:39328182-39329376	exonic	RFC1	4	39328182	39329376	4	2	7	8	7	0	1194	3.943065582	0.293011183	1.407999618	0.20810459	0.835147303	0.998252924
chr17:16004563-16005119	exonic	NCOR1	17	16004563	16005119	5	1	7	10	5	0	556	3.868344652	0.293559635	1.453848815	0.201918956	0.839980083	0.998252924
chr16:24979671-24981901	exonic	ARHGAP17	16	24979671	24981901	1	5	0	6	1	0	2230	1.759261671	0.293737529	2.120894719	0.138496987	NA	NA
chr6:130475969-130505768	exonic	SAMD3	6	130475969	130505768	0	4	0	5	0	0	29799	1.228660122	0.293766389	2.813582831	0.104410073	NA	NA
chr11:85733409-85742653	exonic	PICALM	11	85733409	85742653	8	10	12	8	17	4	9244	9.282713526	0.294079724	0.948726571	0.309973108	0.756581406	0.998252924
chr1:94341823-94343418	exonic	DNTTIP2	1	94341823	94343418	2	1	1	0	4	0	1595	1.113628397	0.294273508	2.480200795	0.118649066	NA	NA
chr11:68286968-68305359	exonic	PPP6R3	11	68286968	68305359	2	1	1	0	4	0	18391	1.113628397	0.294273508	2.480200795	0.118649066	NA	NA
chr1:233353644-233363117	exonic	PCNXL2	1	233353644	233363117	1	2	4	1	7	0	9473	2.220117981	0.29439589	1.823364011	0.161457552	NA	NA
chr17:53108528-53124515	exonic	STXBP4	17	53108528	53124515	1	5	2	3	2	2	15987	2.572330206	0.295670492	1.594778228	0.185399128	0.852915992	0.998252924
chr6:35280078-35280549	exonic	DEF6	6	35280078	35280549	5	3	2	10	1	0	471	2.981739763	0.296122294	1.610286935	0.183894518	NA	NA
chr12:27149674-27152609	exonic	TM7SF3	12	27149674	27152609	4	3	0	3	4	0	2935	1.841819011	0.296212569	1.986023312	0.149148586	0.881436388	0.998252924
chr16:53878066-53922863	exonic	FTO	16	53878066	53922863	4	3	0	3	4	0	44797	1.841819011	0.296212569	1.986023312	0.149148586	0.881436388	0.998252924
chr7:7273934-7283381	exonic	C1GALT1	7	7273934	7283381	3	0	2	0	5	0	9447	1.386635988	0.296343642	2.452864206	0.120815348	NA	NA
chr1:204082042-204086835	exonic	SOX13	1	204082042	204086835	4	2	0	4	2	0	4793	1.531799753	0.296645582	2.137472303	0.138783357	0.889621346	0.998252924
chr17:33805093-33807214	exonic	SLFN12L	17	33805093	33807214	5	2	3	9	2	0	2121	2.784150699	0.296857538	1.600764043	0.185447405	NA	NA
chr20:34302106-34313077	exonic	RBM39	20	34302106	34313077	10	8	9	19	11	0	10971	11.61651646	0.298411465	1.000455555	0.298275584	NA	NA
chr9:138754312-138774924	exonic	CAMSAP1	9	138754312	138774924	1	0	4	3	3	0	20612	1.600079466	0.29902313	2.15250727	0.138918523	NA	NA
chr3:50102463-50103935	exonic	RBM6	3	50102463	50103935	8	3	7	13	7	0	1472	5.164846078	0.301432257	1.267671135	0.237784271	0.812048418	0.998252924
chr21:38792600-38845182	exonic	DYRK1A	21	38792600	38845182	8	0	5	3	6	2	52582	3.679776574	0.301969834	1.472183911	0.205116923	NA	NA
chr6:137015277-137019820	exonic	MAP3K5	6	137015277	137019820	8	1	5	11	2	1	4543	3.912215158	0.302298108	1.392405231	0.217104979	NA	NA
chr12:5841685-6031970	exonic	ANO2	12	5841685	6031970	4	0	1	4	1	0	190285	1.259489759	0.303137326	2.352515421	0.12885668	0.897471056	0.998252924
chr14:21698477-21702388	exonic	HNRNPC	14	21698477	21702388	0	13	12	22	11	0	3911	8.302965807	0.303395127	1.990223238	0.152442762	0.878837732	0.998252924
chr13:76134888-76143643	exonic	UCHL3	13	76134888	76143643	8	2	3	5	6	1	8755	3.538194282	0.304355265	1.36397737	0.22313806	0.823428057	0.998252924
chr1:51868106-51874004	exonic	EPS15	1	51868106	51874004	10	9	3	9	14	0	5898	6.101345068	0.304987924	1.206173854	0.252855691	0.80037973	0.998252924
chr1:51869090-51874004	exonic	EPS15	1	51869090	51874004	10	9	3	9	14	0	4914	6.101345068	0.304987924	1.206173854	0.252855691	0.80037973	0.998252924
chr4:148778703-148803083	exonic	ARHGAP10	4	148778703	148803083	10	2	4	14	3	2	24380	7.737155497	0.305567632	1.055343816	0.289543206	0.772165721	0.998252924
chr11:117023156-117034608	exonic	PAFAH1B2	11	117023156	117034608	6	0	3	4	1	2	11452	2.528438913	0.305596754	1.712202217	0.178481695	0.858344696	0.998252924
chr1:39833819-39838268	exonic	MACF1	1	39833819	39838268	4	1	0	5	0	0	4449	1.221780496	0.308504779	2.57557155	0.119781094	NA	NA
chrX:117676687-117680079	exonic	DOCK11	X	117676687	117680079	4	1	0	5	0	0	3392	1.221780496	0.308504779	2.57557155	0.119781094	NA	NA
chr11:85707868-85714494	exonic	PICALM	11	85707868	85714494	11	8	8	6	16	3	6626	7.890177853	0.310861901	0.999107758	0.311139513	NA	NA
chr15:63824845-63852169	exonic	USP3	15	63824845	63852169	2	4	1	1	1	2	27324	1.438083717	0.312711254	2.105007325	0.148555898	0.881904075	0.998252924
chr11:89155069-89185063	exonic	NOX4	11	89155069	89185063	0	2	0	1	1	0	29994	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr14:69583082-69589077	exonic	DCAF5	14	69583082	69589077	0	2	0	1	1	0	5995	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr15:42851536-42856055	exonic	HAUS2	15	42851536	42856055	0	2	0	1	1	0	4519	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr16:11979037-11991892	exonic	GSPT1	16	11979037	11991892	0	2	0	1	1	0	12855	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924

chr22:18368643-18389652	exonic	MICAL3	22	18368643	18389652	0	2	0	1	1	0	21009	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr3:50000008-50012825	exonic	RBM6	3	50000008	50012825	0	2	0	1	1	0	12817	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr3:57643406-57658165	exonic	DENND6A	3	57643406	57658165	0	2	0	1	1	0	14759	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr4:149356255-149358014	exonic	NR3C2	4	149356255	149358014	0	2	0	1	1	0	1759	0.575890405	0.313102901	3.437015986	0.091097307	0.927415272	0.998252924
chr22:47022648-47033857	exonic	GRAMD4	22	47022648	47033857	0	12	0	10	0	2	11209	3.770860658	0.314627005	3.076110391	0.102280791	NA	NA
chr4:144464661-144465125	exonic	SMARCA5	4	144464661	144465125	69	46	62	83	102	6	464	52.16541904	0.31468005	0.694269708	0.45325332	0.650366342	0.998252924
chr7:17908029-17915413	exonic	SNX13	7	17908029	17915413	3	2	6	4	0	4	7384	3.577246555	0.315111638	1.541310387	0.204443985	0.838006561	0.998252924
chr20:47570092-47580435	exonic	ARFGEF2	20	47570092	47580435	5	1	6	5	8	0	10343	3.502600966	0.317020296	1.493993667	0.212196546	0.831953701	0.998252924
chr5:109049220-109065214	exonic	MAN2A1	5	109049220	109065214	9	8	8	9	18	0	15994	7.268537141	0.317075156	1.133771259	0.279664133	0.779735198	0.998252924
chr20:40141484-40162209	exonic	CHD6	20	40141484	40162209	4	1	1	4	2	0	20725	1.55479298	0.31712015	2.004744325	0.158184835	0.874311153	0.998252924
chr11:33307958-33309057	exonic	HIPK3	11	33307958	33309057	119	150	85	95	185	46	1099	104.9263938	0.31790561	0.566093146	0.561578271	0.574403388	0.998252924
chr1:117944807-118009049	exonic	MAN1A2	1	117944807	118009049	2	4	2	0	0	4	64242	2.582489568	0.31797132	1.902000455	0.16717731	NA	NA
chr3:138400808-138403645	exonic	PIK3CB	3	138400808	138403645	2	2	1	0	3	1	2837	1.475095383	0.318774674	2.091986882	0.152378907	0.878888093	0.998252924
chr17:26449628-26499644	exonic	NLK	17	26449628	26499644	6	3	2	5	0	3	50016	3.147499857	0.31936562	1.566643462	0.203853415	0.83846805	0.998252924
chr3:169866873-169896726	exonic	PHC3	3	169866873	169896726	2	5	0	0	5	1	29853	2.042708599	0.319706142	2.012480214	0.158861757	0.873777792	0.998252924
chr13:20638590-20657916	exonic	ZMYM2	13	20638590	20657916	2	3	0	1	4	0	19326	1.371222355	0.31977719	2.268954676	0.140935909	0.887920574	0.998252924
chr19:11623870-11625036	exonic	ECSIT	19	11623870	11625036	2	3	0	1	4	0	1166	1.371222355	0.31977719	2.268954676	0.140935909	0.887920574	0.998252924
chr8:144770831-144772293	exonic	ZNF707	8	144770831	144772293	3	2	4	6	4	0	1462	2.646566527	0.320715227	1.603914183	0.199957847	0.841513548	0.998252924
chr12:53421565-53421972	exonic	EIF4B	12	53421565	53421972	5	2	1	5	3	0	407	2.085394529	0.321917136	1.774719715	0.18139041	0.856061146	0.998252924
chr10:31661947-31750166	exonic	ZEB1	10	31661947	31750166	13	6	0	14	5	0	88219	4.815981552	0.322302164	1.472352327	0.218902879	0.826725703	0.998252924
chr2:188361607-188368497	exonic	TFPI	2	188361607	188368497	3	1	0	4	0	0	6890	0.986482168	0.322521561	2.785451076	0.115787911	0.907820632	0.998252924
chr2:32703702-32730272	exonic	BIRC6	2	32703702	32730272	3	1	0	0	0	0	26570	0.986482168	0.322521561	2.785451076	0.115787911	0.907820632	0.998252924
chr5:159437506-159463810	exonic	TTC1	5	159437506	159463810	3	1	0	4	0	0	26304	0.986482168	0.322521561	2.785451076	0.115787911	0.907820632	0.998252924
chr1:154142875-154148724	exonic	TPM3	1	154142875	154148724	2	2	0	2	0	1	5849	1.127366863	0.323773278	2.46778445	0.131199983	0.895617109	0.998252924
chr6:4891946-4892613	exonic	CDYL	6	4891946	4892613	62	80	23	98	73	5	667	47.27105255	0.324192162	0.742481109	0.436633549	0.662377128	0.998252924
chr2:15534350-15567918	exonic	NBAS	2	15534350	15567918	4	2	0	5	1	0	33568	1.517083717	0.324596559	2.177703553	0.149054521	NA	NA
chr3:53908237-53910107	exonic	ACTR8	3	53908237	53910107	2	2	0	2	2	0	1870	1.061203098	0.324722366	2.467688812	0.131589674	0.895308853	0.998252924
chr2:26486247-26500028	exonic	HADHB	2	26486247	26500028	6	2	2	5	5	0	13781	2.653705341	0.326154765	1.601210673	0.2036926	0.838593726	0.998252924
chr9:35546426-35548532	exonic	RUSC2	9	35546426	35548532	12	5	0	14	3	0	2106	4.270663966	0.327272851	1.545419014	0.211769655	0.832286744	0.998252924
chr8:122640953-122641580	exonic	HAS2	8	122640953	122641580	4	0	2	3	3	0	627	1.592502243	0.32746504	2.107013526	0.155416677	0.876492838	0.998252924
chr1:52981562-52992045	exonic	ZCCHC11	1	52981562	52992045	7	7	1	6	3	3	10483	4.245714621	0.328204147	1.302603986	0.251960036	0.801071954	0.998252924
chr5:49698119-49707217	exonic	EMB	5	49698119	49707217	5	0	6	6	6	0	9098	3.192581709	0.328805846	1.651441425	0.199102337	0.842182694	0.998252924
chr1:35846859-35847359	exonic	ZMYM4	1	35846859	35847359	0	1	1	0	2	0	500	0.613599668	0.329429023	3.361645839	0.09799635	0.921935191	0.998252924
chr12:19511161-19514640	exonic	PLEKHA5	12	19511161	19514640	0	1	1	0	2	0	3479	0.613599668	0.329429023	3.361645839	0.09799635	0.921935191	0.998252924
chr13:43537390-43544806	exonic	EPSTI1	13	43537390	43544806	0	1	1	0	2	0	7416	0.613599668	0.329429023	3.361645839	0.09799635	0.921935191	0.998252924

chr4:84367987-84370114	exonic	HELQ	4	84367987	84370114	0	1	1	0	2	0	2127	0.613599668	0.329429023	3.361645839	0.09799635	0.921935191	0.998252924
chr6:149663820-149700654	exonic	TAB2	6	149663820	149700654	0	1	1	0	2	0	36834	0.613599668	0.329429023	3.361645839	0.09799635	0.921935191	0.998252924
chr9:33971648-34017187	exonic	UBAP2	9	33971648	34017187	0	1	1	0	2	0	45539	0.613599668	0.329429023	3.361645839	0.09799635	0.921935191	0.998252924
chr16:47531309-47630442	exonic	PHKB	16	47531309	47630442	1	3	0	5	2	1	99133	1.202087792	0.331674921	2.442331459	0.135802583	0.891977349	0.998252924
chr14:31585441-31590711	exonic	HECTD1	14	31585441	31590711	3	1	1	3	2	0	5270	1.319494652	0.331760499	2.127701009	0.155924398	0.876092614	0.998252924
chr17:57808781-57816308	exonic	VMP1	17	57808781	57816308	17	17	13	30	15	3	7527	13.64937265	0.331818833	0.836385377	0.396729596	0.691566873	0.998252924
chr15:49528047-49531564	exonic	GALK2	15	49528047	49531564	6	1	2	6	3	0	3517	2.343686083	0.332826084	1.711586919	0.194454678	0.84581988	0.998252924
chr16:19627435-19659204	exonic	C16orf62	16	19627435	19659204	5	4	1	5	4	0	31769	2.38069775	0.334792375	1.680832024	0.19918253	0.842119965	0.998252924
chr8:61496766-61504528	exonic	RAB2A	8	61496766	61504528	0	2	4	1	6	0	7762	1.970103616	0.334804512	2.033574965	0.164638392	0.869228611	0.998252924
chr10:79613111-79614128	exonic	DLG5	10	79613111	79614128	2	0	1	3	0	0	1017	0.774177067	0.335068038	3.049317153	0.109882974	NA	NA
chr2:110332157-110350696	exonic		2	110332157	110350696	2	0	1	3	0	0	18539	0.774177067	0.335068038	3.049317153	0.109882974	NA	NA
chrX:76812921-76920267	exonic	ATRX	X	76812921	76920267	2	0	1	3	0	0	107346	0.774177067	0.335068038	3.049317153	0.109882974	NA	NA
chr20:21346058-21349228	exonic	XRN2	20	21346058	21349228	6	4	8	5	6	4	3170	5.539772949	0.336006241	1.139868418	0.294776341	0.768164741	0.998252924
chr20:2944917-2945848	exonic	PTPRA	20	2944917	2945848	33	7	19	27	23	5	931	16.41974233	0.336288855	0.814344541	0.41295648	NA	NA
chr20:18278628-18287037	exonic	ZNF133	20	18278628	18287037	9	2	0	6	0	2	8409	2.763739612	0.336922212	1.805346725	0.186624656	0.851954934	0.998252924
chr21:47768925-47769734	exonic	PCNT	21	47768925	47769734	17	9	9	21	16	0	809	9.705659286	0.337077654	1.033153787	0.326260871	NA	NA
chr5:64747301-64769779	exonic	ADAMTS6	5	64747301	64769779	3	4	1	1	3	2	22478	2.367163918	0.337343654	1.648505733	0.204636021	0.83785651	0.998252924
chr3:136191254-136221621	exonic	STAG1	3	136191254	136221621	0	1	3	4	1	0	30367	1.312355838	0.337874927	2.342873571	0.144213897	0.885331568	0.998252924
chr6:52657654-52696768	exonic	GSTA1, GSTA5	6	52657654	52696768	7	0	0	2	4	0	39114	1.599641057	0.337912138	2.322908863	0.145469391	NA	NA
chr6:31239376-31324219	exonic	HLA-B, HLA-C	6	31239376	31324219	0	0	1415	2077	0	0	84843	499.9444181	0.338033508	3.725350764	0.090738706	NA	NA
chr3:171965322-172028671	exonic	FNDC3B	3	171965322	172028671	2	1	1	2	2	0	63349	2.418611647	0.338504293	1.771292745	0.191105786	0.848442714	0.998252924
chr7:111575594-111585853	exonic	DOCK4	7	111575594	111585853	7	7	6	15	7	0	10259	5.748316076	0.339375584	1.209375856	0.280620439	0.779001538	0.998252924
chr11:73418464-73429763	exonic	RAB6A	11	73418464	73429763	6	3	6	6	14	0	11299	6.186874386	0.339604338	1.411770562	0.240552075	0.809902298	0.998252924
chr2:120885264-120932576	exonic	EPB41L5	2	120885264	120932576	5	8	3	16	2	0	47312	4.573985189	0.34049633	1.389078039	0.245123975	NA	NA
chr22:42605656-42611347	exonic	TCF20	22	42605656	42611347	7	4	0	1	5	2	5691	2.927897508	0.340860632	1.630563385	0.209044699	0.834413345	0.998252924
chr12:69983264-69987393	exonic	CCT2	12	69983264	69987393	4	3	2	2	7	0	4129	2.493127942	0.341736491	1.661557366	0.2056724	NA	NA
chr16:3794894-3820987	exonic	CREBBP	16	3794894	3820987	2	4	0	1	5	0	26093	1.666525576	0.341817123	2.126177436	0.160766038	0.872277675	0.998252924
chr15:72810407-72848248	exonic	ARIH1	15	72810407	72848248	2	4	1	0	3	2	37841	2.13186559	0.341955913	1.840478631	0.185797274	0.852603742	0.998252924
chr1:42946132-42964587	intergenic	PPCS (dist=7083), CCDC30 (dist=35973)	1	42946132	42964587	0	0	3	4	0	0	18455	1.017052617	0.342120738	3.020200124	0.113277506	NA	NA
chr1:47296770-47312016	ncRNA_exonic	CYP4Z2P	1	47296770	47312016	0	0	3	4	0	0	15246	1.017052617	0.342120738	3.020200124	0.113277506	NA	NA
chr14:73627797-73629248	intronic	PSEN1	14	73627797	73629248	0	0	3	4	0	0	1451	1.017052617	0.342120738	3.020200124	0.113277506	NA	NA
chr17:35913216-35914161	exonic	SYNRG	17	35913216	35914161	0	0	3	4	0	0	945	1.017052617	0.342120738	3.020200124	0.113277506	NA	NA
chr22:31654276-31656063	exonic	LIMK2	22	31654276	31656063	0	0	3	4	0	0	1787	1.017052617	0.342120738	3.020200124	0.113277506	NA	NA
chr6:29643162-29643836	exonic	ZFP57	6	29643162	29643836	0	0	3	4	0	0	674	1.017052617	0.342120738	3.020200124	0.113277506	NA	NA
chr11:77336007-77336863	exonic	CLNS1A	11	77336007	77336863	7	4	2	7	2	2	856	3.597221604	0.342472592	1.35807226	0.25217553	0.800905391	0.998252924

chr5:50073902-50093067	exonic	PARP8	5	50073902	50093067	0	2	6	7	3	0	19165	2.639427713	0.343854337	1.810394263	0.1899334	0.84936132	0.998252924
chrMT:14004-14149	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	14004	14149	0	4	0	0	0	2	145	1.313540414	0.345500473	2.805182307	0.123165069	NA	NA
chr1:41536266-41541123	exonic	SCMH1	1	41536266	41541123	38	32	23	51	40	4	4857	26.51136893	0.345602436	0.723777547	0.477498145	NA	NA
chr2:48555699-48573890	exonic	FOXN2	2	48555699	48573890	4	2	2	3	5	0	18191	2.183108685	0.345839196	1.7239853	0.200604492	0.841007845	0.998252924
chr3:47702783-47719801	exonic	SMARCC1	3	47702783	47719801	1	2	0	2	1	0	17018	0.811188733	0.346858694	2.771805201	0.125138193	0.900414147	0.998252924
chr9:125832628-125839041	exonic	RABGAP1	9	125832628	125839041	1	2	0	2	1	0	6413	0.811188733	0.346858694	2.771805201	0.125138193	0.900414147	0.998252924
chr2:173433468-173460751	exonic	PDK1	2	173433468	173460751	0	3	3	3	4	0	27283	1.917678316	0.347572234	1.986840073	0.174937197	NA	NA
chr12:459786-465703	exonic	KDM5A	12	459786	465703	2	2	4	6	3	0	5917	2.396552162	0.347626644	1.682796052	0.206576812	0.836340371	0.998252924
chr16:31733946-31734674	exonic	ZNF720	16	31733946	31734674	14	7	13	18	14	2	728	9.81467118	0.34816911	0.933415272	0.373005585	0.709144287	0.998252924
chr1:47834140-47840965	exonic	CMPK1	1	47834140	47840965	1	1	1	1	2	0	6825	0.848897996	0.349466443	2.559111411	0.136557729	0.891380391	0.998252924
chr10:5741488-5756170	UTR5	FAM208B (NM_017782:c.-7820_-7725delins0)	10	5741488	5756170	7	10	5	6	17	0	14682	6.327346199	0.349745889	1.20791425	0.289545296	0.772164122	0.998252924
chr20:39721111-39729993	exonic	TOP1	20	39721111	39729993	9	4	9	10	9	2	8882	6.402204776	0.35112841	1.071846145	0.327592175	0.74322004	0.998252924
chr12:102433645-102439897	exonic	CCDC53	12	102433645	102439897	0	2	4	2	5	0	6252	1.95538758	0.352582477	2.000347094	0.176260649	0.860089176	0.998252924
chr8:131164981-131193126	exonic	ASAP1	8	131164981	131193126	32	17	12	48	12	2	28145	16.62921183	0.353988753	0.877867981	0.403236889	NA	NA
chr8:131164981-131199531	exonic	ASAP1	8	131164981	131199531	32	17	12	48	12	2	34550	16.62921183	0.353988753	0.877867981	0.403236889	NA	NA
chr3:188326948-188327632	exonic	LPP	3	188326948	188327632	2	1	1	2	2	0	684	1.084196324	0.354249471	2.300589962	0.153982012	0.877623919	0.998252924
chr1:172522399-172546959	exonic	SUCO	1	172522399	172546959	3	3	0	4	2	0	24560	1.57708861	0.3563237	2.112683168	0.168659317	0.86606462	0.998252924
chr13:73409380-73505405	exonic	PIBF1	13	73409380	73505405	3	2	1	3	1	1	96025	1.680961638	0.356824974	1.85529204	0.192328198	0.847485132	0.998252924
chr11:61133516-61135470	exonic	TMEM138	11	61133516	61135470	10	11	3	15	10	0	1954	6.603655289	0.357316995	1.179360688	0.302975162	0.76190879	0.998252924
chr1:179955303-179975702	exonic	CEP350	1	179955303	179975702	3	2	2	2	5	0	20399	1.947810357	0.360757933	1.814388349	0.198831707	0.842394392	0.998252924
chr17:58711213-58725443	exonic	PPM1D	17	58711213	58725443	4	2	0	6	0	0	14230	1.50236768	0.361787363	2.371517009	0.152555247	NA	NA
chr4:151023629-151023964	exonic	DCLK2	4	151023629	151023964	0	4	3	3	5	0	335	2.212981537	0.362942853	1.892411707	0.191788527	0.847907859	0.998252924
chr14:21825355-21829372	exonic	SUPT16H	14	21825355	21829372	2	2	0	3	1	0	4017	1.046487061	0.363900348	2.500494529	0.145531352	0.884291364	0.998252924
chr22:26057542-26074882	exonic	ADRBK2	22	26057542	26074882	2	2	0	3	1	0	17340	1.046487061	0.363900348	2.500494529	0.145531352	0.884291364	0.998252924
chr3:171830241-171944737	exonic	FNDC3B	3	171830241	171944737	4	5	3	3	4	3	114496	1.651809539	0.364499112	2.096643968	0.173848835	0.861984264	0.998252924
chr1:146724277-146731572	exonic	CHD1L	1	146724277	146731572	8	1	2	2	4	2	7295	2.913879067	0.364997473	1.518365045	0.240388485	NA	NA
chr11:85720259-85721479	intronic	PICALM	11	85720259	85721479	3	0	4	8	0	0	1220	2.026528012	0.365596271	2.154089231	0.169721972	0.865228794	0.998252924
chr10:43650344-43654379	exonic	CSGALNACT2	10	43650344	43654379	5	4	5	2	2	5	4035	4.324153696	0.367249734	1.328406411	0.276458869	NA	NA
chr1:94964157-94965170	exonic	ABCD3	1	94964157	94965170	3	0	1	4	0	0	1013	1.009475394	0.367394144	2.76515862	0.132865486	0.894299763	0.998252924
chr14:62187099-62188541	exonic	HIF1A	14	62187099	62188541	3	0	1	4	0	0	1442	1.009475394	0.367394144	2.76515862	0.132865486	0.894299763	0.998252924
chr11:73418464-73429935	exonic	RAB6A	11	73418464	73429935	7	3	4	7	7	1	11471	6.677328314	0.367676645	1.201042357	0.306131289	0.759504685	0.998252924
chr2:206023445-206058044	exonic	PARD3B	2	206023445	206058044	4	0	3	3	4	0	34599	1.91079869	0.368455605	1.968768625	0.187150283	0.851542805	0.998252924
chr4:170428865-170459062	exonic	NEK1	4	170428865	170459062	2	0	2	1	3	0	30197	1.121905587	0.36884369	2.447086009	0.150727718	0.880190507	0.998252924
chr4:37633006-37640126	exonic	RELL1	4	37633006	37640126	36	20	16	48	18	4	7120	19.79966484	0.369758057	0.780431014	0.473786985	NA	NA
chr15:30053341-30065560	exonic	TJP1	15	30053341	30065560	14	10	0	18	6	0	12219	6.188344653	0.369963034	1.383856281	0.267342093	0.78920578	0.998252924

chr1:8674619-8716500	exonic	RERE	1	8674619	8716500	5	3	1	7	2	0	41881	2.351265676	0.371117734	1.713012038	0.216646308	0.828483994	0.998252924
chr3:196118683-196129890	exonic	UBXN7	3	196118683	196129890	39	39	17	52	16	14	11207	26.96051167	0.371521721	0.71332723	0.520829298	0.602485691	0.998252924
chr5:38523520-38530768	exonic	LIFR	5	38523520	38530768	39	11	22	51	25	0	7248	19.73500931	0.372110211	0.945759978	0.393451002	0.693986406	0.998252924
chr6:89793472-89794362	exonic	PNRC1	6	89793472	89794362	4	10	5	4	16	0	890	5.606735179	0.37363315	1.290845871	0.289448305	NA	NA
chr1:14042035-14075982	exonic	PRDM2	1	14042035	14075982	3	0	2	3	2	0	33947	1.342487878	0.373908749	2.252795727	0.165975434	0.868176283	0.998252924
chr22:45574118-45574781	exonic	NUP50	22	45574118	45574781	7	3	3	8	5	0	663	3.473171263	0.374286574	1.438420318	0.260206679	0.794704353	0.998252924
chr12:50824277-50848200	exonic	LARP4	12	50824277	50848200	1	3	0	1	3	0	23923	1.121207991	0.375145649	2.468097922	0.151997879	0.879188609	0.998252924
chr1:33478807-33480195	exonic	AK2	1	33478807	33480195	2	1	1	2	0	1	1388	1.150360089	0.376792979	2.307435503	0.163295129	0.870286069	0.998252924
chr8:74585341-74652103	exonic	STAU2	8	74585341	74652103	1	0	2	0	3	0	66762	0.886607259	0.37727753	2.91703937	0.129335769	0.89709197	0.998252924
chr5:176370335-176385155	exonic	UIMC1	5	176370335	176385155	21	12	14	33	10	3	14820	13.2050075	0.377495826	0.868382413	0.434711506	NA	NA
chr1:214564330-214571344	exonic	PTPN14	1	214564330	214571344	0	2	0	2	0	0	7014	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr1:221005870-221006534	ncRNA_exonic	HLX-AS1	1	221005870	221006534	0	2	0	2	0	0	664	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr1:243456392-243493994	exonic	SDCCAG8	1	243456392	243493994	0	2	0	2	0	0	37602	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr1:24495906-24507344	exonic	IFNLR1	1	24495906	24507344	0	2	0	2	0	0	11438	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr1:51064615-51064866	intronic	FAF1	1	51064615	51064866	0	2	0	2	0	0	251	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr1:62910408-62913182	exonic	USP1	1	62910408	62913182	0	2	0	2	0	0	2774	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr10:11291115-11330515	exonic	CELF2	10	11291115	11330515	0	2	0	2	0	0	39400	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr11:43469551-43472815	exonic	TTC17	11	43469551	43472815	0	2	0	2	0	0	3264	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr11:5719544-5727846	exonic	TRIM22	11	5719544	5727846	0	2	0	2	0	0	8302	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr13:100959445-101101559	exonic	PCCA	13	100959445	101101559	0	2	0	2	0	0	142114	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr14:31784975-31817113	exonic	HEATR5A	14	31784975	31817113	0	2	0	2	0	0	32138	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr14:71511849-71543136	exonic	PCNX	14	71511849	71543136	0	2	0	2	0	0	31287	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr16:21073802-21098381	exonic	DNAH3	16	21073802	21098381	0	2	0	2	0	0	24579	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr17:2218850-2224910	exonic	SRR	17	2218850	2224910	0	2	0	2	0	0	6060	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr17:65209661-65211574	intronic	HELZ	17	65209661	65211574	0	2	0	2	0	0	1913	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr17:986759-1003975	exonic	ABR	17	986759	1003975	0	2	0	2	0	0	17216	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr19:23557440-23559132	exonic	ZNF91	19	23557440	23559132	0	2	0	2	0	0	1692	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr19:50837564-50862037	exonic	NAPSA	19	50837564	50862037	0	2	0	2	0	0	24473	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr2:38542425-38546161	exonic	ATL2	2	38542425	38546161	0	2	0	2	0	0	3736	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr2:54884986-54886403	exonic	SPTBN1	2	54884986	54886403	0	2	0	2	0	0	1417	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr22:24761444-24765288	exonic	SPECC1L	22	24761444	24765288	0	2	0	2	0	0	3844	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr3:136162128-136196254	exonic	STAG1	3	136162128	136196254	0	2	0	2	0	0	34126	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr3:152163070-152165562	exonic	MBNL1	3	152163070	152165562	0	2	0	2	0	0	2492	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr3:47103652-47139571	exonic	SETD2	3	47103652	47139571	3	4	2	7	5	0	35919	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr4:170501992-170520348	exonic	NEK1	4	170501992	170520348	0	1	0	2	0	0	18356	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924

chr4:77659913-77663079	exonic	SHROOM3	4	77659913	77663079	0	2	0	2	0	0	3166	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr5:74981031-74998635	exonic	POC5	5	74981031	74998635	0	2	0	2	0	0	17604	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr6:128385902-128411137	exonic	PTPRK	6	128385902	128411137	0	2	0	2	0	0	25235	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr6:168271062-168307969	exonic	MLLT4	6	168271062	168307969	0	2	0	2	0	0	36907	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr6:2397455-2399271	ncRNA_exonic	GMDS-AS1	6	2397455	2399271	0	2	0	2	0	0	1816	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr6:77981057-77983024	intergenic	IMP1 (dist=1198662), HTR1B (dist=187541)	6	77981057	77983024	0	2	0	2	0	0	1967	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr7:158662545-158698782	exonic	WDR60	7	158662545	158698782	0	2	0	2	0	0	36237	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr7:66038371-66041916	ncRNA_exonic	GS1-124K5.11	7	66038371	66041916	2	1	0	9	0	2	3545	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chrX:17047648-17121902	exonic	REPS2	X	17047648	17121902	0	2	0	2	0	0	74254	0.561174368	0.379864908	3.771654405	0.100715725	0.919776128	0.998252924
chr1:64117339-64120137	exonic	PGM1	1	64117339	64120137	0	1	1	1	1	0	2798	0.598883632	0.380076501	3.140177893	0.121036614	0.903662034	0.998252924
chr16:16146580-16150152	exonic	ABCC1	16	16146580	16150152	0	1	1	1	1	0	3572	0.598883632	0.380076501	3.140177893	0.121036614	0.903662034	0.998252924
chr5:96314841-96322374	exonic	LNPEP	5	96314841	96322374	0	1	1	1	1	0	7533	0.598883632	0.380076501	3.140177893	0.121036614	0.903662034	0.998252924
chr21:46548316-46554747	UTR5	-----	21	46548316	46554747	30	9	1	35	4	0	6431	9.840367668	0.380349441	1.25556992	0.302929717	0.761943424	0.998252924
chr12:56563312-56563992	exonic	SMARCC2	12	56563312	56563992	3	4	0	5	0	1	680	1.923839559	0.381169753	2.025735767	0.188163609	0.850748399	0.998252924
chr22:45970390-45972988	exonic	FBLN1	22	45970390	45972988	5	0	3	6	0	1	2598	2.18282871	0.38237826	1.945744196	0.196520314	0.844202935	0.998252924
chr10:4872867-4915499	exonic	AKRIE2	10	4872867	4915499	5	3	0	8	0	0	42632	2.018253192	0.383123951	2.142843708	0.178792298	NA	NA
chr15:62325639-62336454	exonic	VPS13C	15	62325639	62336454	5	2	4	5	0	3	10815	3.238775166	0.383164673	1.552906706	0.246740304	0.805109212	0.998252924
chr9:33941646-33953472	exonic	UBAP2	9	33941646	33953472	2	0	0	2	2	0	11826	1.267069352	0.383341608	2.519352068	0.152158808	NA	NA
chr9:33941646-33956144	exonic	UBAP2	9	33941646	33956144	3	7	0	5	0	0	14498	1.267069352	0.383341608	2.519352068	0.152158808	NA	NA
chr22:42204878-42206295	exonic	CCDC134	22	42204878	42206295	6	10	2	14	5	0	1417	5.0047142	0.38416589	1.320554732	0.290912509	0.771118234	0.998252924
chr12:2224389-2229596	exonic	CACNA1C	12	2224389	2229596	0	2	3	5	1	0	5207	1.592943022	0.385043677	2.168452891	0.177566079	0.859063766	0.998252924
chr19:5653125-5654467	exonic	SAFB	19	5653125	5654467	9	5	1	6	4	2	1342	3.967945722	0.386732824	1.321798569	0.292580756	0.769842625	0.998252924
chr3:196214269-196215554	exonic	RNF168	3	196214269	196215554	11	5	5	14	5	1	1285	5.678295603	0.387633764	1.150681489	0.336873207	NA	NA
chr18:6263945-6312055	exonic	L3MBTL4	18	6263945	6312055	5	2	2	7	2	0	48110	2.374258903	0.387720959	1.689546515	0.229482264	0.818494104	0.998252924
chr1:169446392-169446995	exonic	SLC19A2	1	169446392	169446995	3	0	3	2	4	0	603	1.675500362	0.387739359	2.080185364	0.186396542	0.852133804	0.998252924
chr4:123848788-123900541	exonic	SPATA5	4	123848788	123900541	1	2	0	0	1	1	51753	0.906784572	0.39035931	2.72137437	0.143441973	0.885941136	0.998252924
chr15:75703832-75705386	exonic	SIN3A	15	75703832	75705386	4	0	5	0	9	0	1554	2.591539695	0.39060251	2.00356718	0.194953538	0.845429321	0.998252924
chr8:141840570-141900868	exonic	PTK2	8	141840570	141900868	0	2	1	3	2	0	60298	3.192327262	0.390603722	1.548942257	0.252174489	0.800906196	0.998252924
chr3:3178943-3182332	exonic	TRNT1	3	3178943	3182332	0	3	0	0	3	0	3389	0.885909663	0.390814116	3.173544944	0.123147497	NA	NA
chr3:33109722-33110462	exonic	GLB1	3	33109722	33110462	0	3	0	0	3	0	740	0.885909663	0.390814116	3.173544944	0.123147497	NA	NA
chr5:127292496-127302620	intergenic	CTXN3 (dist=298174), LINC01184 (dist=54624)	5	127292496	127302620	0	3	0	0	3	0	10124	0.885909663	0.390814116	3.173544944	0.123147497	NA	NA
chr6:3076997-3078169	exonic	RIPK1	6	3076997	3078169	17	13	12	31	9	2	1172	11.82692867	0.391815306	0.911950152	0.42964553	NA	NA
chr3:133894452-133914026	exonic	RYK	3	133894452	133914026	3	4	0	5	2	0	19574	1.857675794	0.392335925	1.996161486	0.196545183	0.844183471	0.998252924
chr12:83250788-83251359	exonic	TMTC2	12	83250788	83251359	0	4	4	3	6	0	571	2.531277985	0.393865653	1.812063838	0.217357493	0.827929755	0.998252924
chr22:46189425-46202902	exonic	ATXN10	22	46189425	46202902	9	14	0	11	12	0	13477	6.22249797	0.39671074	1.373541074	0.288823354	0.772716559	0.998252924

chr12:120612964-120614020	exonic	GCN1	12	120612964	120614020	1	2	0	3	0	0	1056	0.796472696	0.397128152	3.020274866	0.131487421	0.895389737	0.998252924
chr12:12332743-12356334	exonic	LRP6	12	12332743	12356334	1	2	0	3	0	0	23591	0.796472696	0.397128152	3.020274866	0.131487421	0.895389737	0.998252924
chr15:68434283-68457142	exonic	PIAS1	15	68434283	68457142	1	2	0	3	0	0	22859	0.796472696	0.397128152	3.020274866	0.131487421	0.895389737	0.998252924
chr2:238657006-238668848	exonic	LRRFIP1	2	238657006	238668848	1	2	0	3	0	0	11842	0.796472696	0.397128152	3.020274866	0.131487421	0.895389737	0.998252924
chr9:14146687-14307519	exonic	NFIB	9	14146687	14307519	1	2	0	3	0	0	160832	0.796472696	0.397128152	3.020274866	0.131487421	0.895389737	0.998252924
chr9:33953282-33973235	exonic	UBAP2	9	33953282	33973235	1	2	0	3	0	0	19953	0.796472696	0.397128152	3.020274866	0.131487421	0.895389737	0.998252924
chr5:167915606-167924353	exonic	RARS	5	167915606	167924353	6	4	5	6	5	2	8747	4.316812618	0.397291942	1.225632885	0.324152483	0.745822595	0.998252924
chr21:45149733-45150101	intronic	PDXK	21	45149733	45150101	6	4	0	10	0	0	368	2.534138704	0.397741996	1.995457939	0.199323668	NA	NA
chr1:155408117-155408859	exonic	ASH1L	1	155408117	155408859	10	12	7	11	10	4	742	8.374636085	0.398456134	0.94857235	0.420058769	0.674442522	0.998252924
chr11:95825055-95826681	exonic	MAML2	11	95825055	95826681	13	14	7	16	12	3	1626	9.575541672	0.399107499	0.91505237	0.436158096	0.662722029	0.998252924
chr9:96233422-96261168	exonic	FAM120A	9	96233422	96261168	15	11	11	9	13	2	27746	4.945128323	0.400059038	1.170846426	0.341683613	0.732589005	0.998252924
chr5:36982267-36986403	exonic	NIPBL	5	36982267	36986403	9	36	9	13	17	12	4136	16.34836996	0.400689455	0.883464926	0.453543138	NA	NA
chr5:179134132-179137066	exonic	CANX	5	179134132	179137066	1	2	1	1	3	0	2934	1.144201217	0.40085506	2.285931394	0.175357432	0.860798786	0.998252924
chr2:136432901-136437894	exonic	R3HDM1	2	136432901	136437894	3	2	5	0	8	1	4993	2.998295537	0.400926586	1.638817567	0.244643818	0.806732233	0.998252924
chr13:50025688-50042096	exonic	SETDB2	13	50025688	50042096	3	2	2	4	3	0	16408	1.918378284	0.401254169	1.806082892	0.222168191	0.824182955	0.998252924
chr18:56552994-56553303	intronic	ZNF532	18	56552994	56553303	9	0	0	0	0	3	309	2.085538311	0.401323065	3.818887343	0.105089003	NA	NA
chr22:46780439-46785396	exonic	CELSR1	22	46780439	46785396	9	6	0	8	4	1	4957	3.849356657	0.40160256	1.452306046	0.2765275	NA	NA
chr12:116668338-116675510	exonic	MED13L	12	116668338	116675510	35	29	34	24	61	7	7172	28.36736427	0.402146135	0.723260938	0.556018048	NA	NA
chr20:34304661-34312644	exonic	RBM39	20	34304661	34312644	4	11	6	2	9	5	7983	6.459558325	0.402345053	1.154746517	0.348427163	0.727519406	0.998252924
chr20:34304661-34313077	exonic	RBM39	20	34304661	34313077	4	11	6	2	9	5	8416	6.459558325	0.402345053	1.154746517	0.348427163	0.727519406	0.998252924
chr5:135483520-135489852	exonic	SMAD5	5	135483520	135489852	4	4	5	11	3	0	6332	3.731903597	0.404239292	1.428537267	0.282974271	0.77719656	0.998252924
chr1:224605961-224612356	exonic	WDR26	1	224605961	224612356	0	4	0	0	2	1	6395	1.247376649	0.405486761	2.611179771	0.155288719	NA	NA
chr3:178921331-178922376	exonic	PIK3CA	3	178921331	178922376	5	8	0	8	5	0	1045	3.494769297	0.405765594	1.604368519	0.252912962	0.800335473	0.998252924
chr15:64066892-64067848	exonic	HERC1	15	64066892	64067848	3	1	1	5	0	0	956	1.290062579	0.407612547	2.341753536	0.174062958	NA	NA
chr16:354303-364683	exonic	AXIN1	16	354303	364683	3	1	1	5	0	0	10380	1.290062579	0.407612547	2.341753536	0.174062958	NA	NA
chr3:171830241-171969331	exonic	FNDC3B	3	171830241	171969331	4	5	3	3	1	3	139090	1.95538995	0.408414854	1.828901296	0.223311589	0.823293009	0.998252924
chr10:32832228-32873232	exonic	CCDC7	10	32832228	32873232	16	12	10	23	16	0	41004	10.50939154	0.408696233	1.008924514	0.405081081	NA	NA
chr1:198190129-198233365	exonic	NEK7	1	198190129	198233365	0	0	2	0	2	0	43236	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr11:101832471-101834611	exonic	CEP126	11	101832471	101834611	0	0	2	0	2	0	2140	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr12:102179789-102190540	exonic	GNPTAB	12	102179789	102190540	0	0	2	0	2	0	10751	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr13:33054727-33101669	exonic	N4BP2L2	13	33054727	33101669	0	0	2	0	2	0	46942	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr13:79932408-79946065	exonic	RBM26	13	79932408	79946065	0	0	2	0	2	0	13657	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr15:56981238-56985413	exonic	ZNF280D	15	56981238	56985413	0	0	2	0	2	0	4175	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr16:2303305-2304064	exonic	RNPS1	16	2303305	2304064	0	0	2	0	2	0	759	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr18:60948120-60948447	intronic	BCL2	18	60948120	60948447	0	0	2	0	2	0	327	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924

chr20:42331129-42331543	exonic	MYBL2	20	42331129	42331543	0	0	2	0	2	0	414	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr20:47691321-47706283	exonic	CSE1L	20	47691321	47706283	0	0	2	0	2	0	14962	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr22:32874967-32883815	exonic	FBX07	22	32874967	32883815	0	0	2	0	2	0	8848	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr3:122418236-122420482	exonic	PARP14	3	122418236	122420482	0	0	2	0	2	0	2246	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr6:101246588-101296583	exonic	ASCC3	6	101246588	101296583	0	0	2	0	2	0	49995	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr6:109461624-109471442	exonic	CEP57L1	6	109461624	109471442	0	0	2	0	2	0	9818	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr6:14131751-14136140	exonic	CD83	6	14131751	14136140	0	0	2	0	2	0	4389	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr6:86328535-86333830	exonic	SYNCRIP	6	86328535	86333830	0	0	2	0	2	0	5295	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr7:6854394-6859572	exonic	CCZ1B	7	6854394	6859572	0	0	2	0	2	0	5178	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr9:127070843-127072971	intronic	NEK6	9	127070843	127072971	0	0	2	0	2	0	2128	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr9:97717459-97730083	exonic	C9orf3	9	97717459	97730083	0	0	2	0	2	0	12624	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chrX:14861782-14877456	exonic	FANCB	X	14861782	14877456	0	0	2	0	2	0	15674	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chrX:24828015-24861794	exonic	POLA1	X	24828015	24861794	0	0	2	0	2	0	33779	0.636592895	0.40958212	3.601283096	0.113732275	0.909450027	0.998252924
chr20:62407030-62422143	exonic	ZBTB46	20	62407030	62422143	18	6	2	13	11	0	15113	6.475307462	0.409795759	1.220966785	0.335632192	0.737148245	0.998252924
chr15:94899365-94928754	exonic	MCTP2	15	94899365	94928754	9	4	0	8	4	0	29389	3.19258645	0.410406815	1.64937203	0.248826103	0.803495299	0.998252924
chr12:120592773-120593523	exonic	GCN1	12	120592773	120593523	11	10	6	21	7	0	750	7.424959555	0.410667948	1.134164768	0.362088437	0.717285944	0.998252924
chr4:62812631-62910267	exonic	ADGRL3	4	62812631	62910267	2	3	0	4	1	0	97636	1.327074245	0.410804938	2.290222488	0.179373375	0.857644536	0.998252924
chr11:33307958-33350179	exonic	HIPK3	11	33307958	33350179	4	1	0	0	0	2	42221	1.306660788	0.410852841	2.577714124	0.159386504	0.873364372	0.998252924
chr9:4823547-4833228	exonic	RCL1	9	4823547	4833228	4	1	0	0	0	2	9681	1.306660788	0.410852841	2.577714124	0.159386504	0.873364372	0.998252924
chr1:59805629-59844509	exonic	FGGY	1	59805629	59844509	23	14	6	34	7	1	38880	11.36017268	0.411956269	1.000807899	0.411623718	NA	NA
chr9:5944870-5988545	exonic	KIAA2026	9	5944870	5988545	8	0	4	3	6	1	43675	3.174288939	0.412044684	1.563179964	0.263593887	0.792092869	0.998252924
chr14:102659799-102661457	exonic	WDR20	14	102659799	102661457	4	0	3	5	2	0	1658	1.881366617	0.413546587	1.989937188	0.207818915	0.835370363	0.998252924
chr13:113170753-113181798	exonic	TUBGCP3	13	113170753	113181798	2	2	6	7	4	0	11045	3.01842902	0.413994302	1.565415225	0.264462933	0.791423224	0.998252924
chr18:19345732-19359646	exonic	MIB1	18	19345732	19359646	30	4	13	20	16	4	13914	12.4267497	0.414240052	0.905445856	0.457498424	0.647312835	0.998252924
chr12:5936934-6031970	exonic	ANO2	12	5936934	6031970	2	2	0	4	0	0	95036	1.031771024	0.414631939	2.726120562	0.152095966	NA	NA
chr7:32872619-32874531	ncRNA_exonic	DPY19L1P2	7	32872619	32874531	2	2	0	4	0	0	1912	1.031771024	0.414631939	2.726120562	0.152095966	NA	NA
chr8:86193459-86193868	exonic	CA13	8	86193459	86193868	2	2	0	4	0	0	409	1.031771024	0.414631939	2.726120562	0.152095966	NA	NA
chr5:171482591-171484477	exonic	STK10	5	171482591	171484477	6	0	1	2	4	0	1886	1.66792314	0.417398719	2.115226751	0.197330484	0.843568925	0.998252924
chr19:12637734-12639510	exonic	ZNF564	19	12637734	12639510	7	2	0	5	3	0	1776	2.146099389	0.417697702	1.897048275	0.220182959	0.825728668	0.998252924
chr1:52959282-52975384	exonic	ZCCHC11	1	52959282	52975384	4	7	4	3	12	0	16102	4.296217684	0.418438992	1.384734324	0.302179981	NA	NA
chr20:10536878-10541468	exonic	SLX4IP	20	10536878	10541468	3	2	3	3	1	2	4590	2.383718298	0.418503566	1.619096525	0.258479689	0.796036722	0.998252924
chr6:13639794-13644961	exonic	RANBP9	6	13639794	13644961	9	0	6	4	6	2	5167	4.112343927	0.419119267	1.415014464	0.296194334	NA	NA
chr14:62188226-62188541	exonic	HIF1A	14	62188226	62188541	5	9	2	9	3	2	315	4.544276906	0.419728382	1.261501266	0.332721332	NA	NA
chr10:49609654-49618211	exonic	MAPK8	10	49609654	49618211	5	3	7	12	4	0	8557	4.308491599	0.421337265	1.364981689	0.30867613	0.757567903	0.998252924
chr2:242282406-242287606	exonic		2-Sep	2	242282406	242287606	0	1	0	4	0	5200	1.948948733	0.422910003	2.022645751	0.209087529	NA	NA

chr21:38792600-38853128	exonic	DYRK1A	21	38792600	38853128	8	1	5	3	6	2	60528	3.854052373	0.422978619	1.355180691	0.31211972	0.75494954	0.998252924
chr3:101389973-101391057	exonic	ZBTB11	3	101389973	101391057	5	3	8	11	6	0	1084	4.641504083	0.423411505	1.323243905	0.319979939	0.748983538	0.998252924
chr10:93185037-93221941	exonic	HECTD2	10	93185037	93221941	3	3	0	6	0	0	36904	1.547656536	0.423699293	2.343981971	0.180760474	NA	NA
chr4:103610730-103635718	exonic	MANBA	4	103610730	103635718	0	3	0	1	2	0	24988	0.871193626	0.423733068	2.933209064	0.144460575	NA	NA
chr6:149899957-149901859	exonic	GINM1	6	149899957	149901859	0	3	0	1	2	0	1902	0.871193626	0.423733068	2.933209064	0.144460575	NA	NA
chr6:629834-637861	exonic	EXOC2	6	629834	637861	0	3	0	1	2	0	8027	0.871193626	0.423733068	2.933209064	0.144460575	NA	NA
chr7:157174939-157178305	exonic	DNAJB6	7	157174939	157178305	3	2	2	5	2	0	3366	1.903662247	0.424022798	1.823366429	0.232549416	0.816111311	0.998252924
chr2:197777606-197787849	exonic	PGAP1	2	197777606	197787849	4	0	0	0	3	0	10243	0.879030037	0.424358977	3.167607217	0.133968307	NA	NA
chr3:195685883-195686957	ncRNA_exonic	SDHAP1	3	195685883	195686957	4	0	0	0	3	0	1074	0.879030037	0.424358977	3.167607217	0.133968307	NA	NA
chr6:149997395-150001593	exonic	LATS1	6	149997395	150001593	4	0	0	0	3	0	4198	0.879030037	0.424358977	3.167607217	0.133968307	NA	NA
chr8:22332466-22333137	exonic	PPP3CC	8	22332466	22333137	6	2	4	9	3	0	671	3.231434089	0.426468019	1.503315026	0.283685064	0.776651742	0.998252924
chrX:10031484-10035530	exonic	WWC3	X	10031484	10035530	2	3	2	3	4	0	4046	1.978383176	0.427324299	1.794679308	0.238106216	0.811798714	0.998252924
chr10:95436409-95447206	exonic	FRA10AC1	10	95436409	95447206	3	4	3	4	6	0	10797	2.827281173	0.427556834	1.557175885	0.274571959	0.783645112	0.998252924
chr12:57861115-57862007	exonic	GLI1	12	57861115	57862007	7	1	1	5	1	1	892	2.23525638	0.429888818	1.716268139	0.25047882	NA	NA
chr3:138289159-138290198	exonic	CEP70	3	138289159	138290198	12	8	5	13	7	2	1039	6.774072011	0.431449009	1.042267183	0.413952407	0.678908962	0.998252924
chr2:153431649-153437563	exonic	FMNL2	2	153431649	153437563	5	2	2	0	4	2	5914	2.488571268	0.43271338	1.709352184	0.253144661	NA	NA
chr1:16891301-16893846	exonic	NBPF1	1	16891301	16893846	36	35	13	32	19	14	2545	23.3242261	0.433250381	0.716713767	0.604495688	0.545514135	0.998252924
chr3:197541778-197547301	exonic	LRCH3	3	197541778	197547301	6	3	2	2	8	0	5523	2.87212925	0.434429404	1.588422918	0.273497316	NA	NA
chr12:46633461-46637097	exonic	SLC38A1	12	46633461	46637097	3	0	11	2	13	0	3636	4.342899363	0.434565333	1.620748475	0.268126326	NA	NA
chr19:41129508-41129987	exonic	LTBP4	19	41129508	41129987	0	0	5	4	2	0	479	1.653645512	0.434732636	2.320476829	0.187346252	NA	NA
chr8:100286425-100287482	exonic	VPS13B	8	100286425	100287482	1	3	1	2	3	0	1057	1.424788401	0.437454619	2.086660851	0.20834944	0.834956131	0.998252924
chr10:99925835-99926517	intronic	R3HCC1L	10	99925835	99926517	0	3	3	0	0	3	682	2.0392903	0.435346365	2.222235701	0.195904676	NA	NA
chr19:33604672-33605325	exonic	GPATCH1	19	33604672	33605325	2	0	4	0	6	0	653	1.773214518	0.437005035	2.268757907	0.192618628	0.847257655	0.998252924
chr18:9195548-9221997	exonic	ANKRD12	18	9195548	9221997	11	8	12	7	11	6	26449	9.105084058	0.438273357	0.94463151	0.463962246	0.642674795	0.998252924
chr14:50615003-50616948	exonic	SOS2	14	50615003	50616948	3	0	3	4	2	0	1945	1.646068289	0.438357998	2.08970217	0.209770562	0.83384675	0.998252924
chr17:43552465-43553092	exonic	PLEKHM1	17	43552465	43553092	13	16	11	33	7	1	627	11.29888859	0.439880685	0.983124464	0.447431328	NA	NA
chr2:36623756-36669878	exonic	CRIM1	2	36623756	36669878	13	4	4	15	5	0	46122	5.362817441	0.441627951	1.270138951	0.347700502	0.72806512	0.998252924
chr21:46275124-46281186	exonic	PTTG1IP	21	46275124	46281186	11	14	9	20	4	5	6062	9.785569221	0.442011235	0.955795887	0.462453586	0.64375608	0.998252924
chr6:159001971-159010814	exonic	TMEM181	6	159001971	159010814	7	13	3	6	10	3	8843	6.533099419	0.442019252	1.094544976	0.403838363	NA	NA
chr8:1824736-1857636	exonic	ARHGEF10	8	1824736	1857636	1	1	1	3	0	0	32900	0.819465923	0.442103433	2.781935184	0.158919387	NA	NA
chr17:28011580-28030080	exonic	SSH2	17	28011580	28030080	4	2	3	7	0	1	18500	2.508704751	0.443210449	1.705923179	0.259806804	0.795012802	0.998252924
chr7:94248069-94259153	exonic	SGCE	7	94248069	94259153	2	0	2	3	1	0	11084	1.092473514	0.443965891	2.468889422	0.17982413	0.85729064	0.998252924
chr9:4823547-4827033	exonic	RCL1	9	4823547	4827033	2	0	2	3	1	0	3486	1.092473514	0.443965891	2.468889422	0.17982413	0.85729064	0.998252924
chr2:64800079-64812679	exonic	AFTPH	2	64800079	64812679	2	1	1	4	0	0	12600	1.054764251	0.445354287	2.524785055	0.176392951	NA	NA
chr11:120343758-120348235	exonic	ARHGEF12	11	120343758	120348235	10	4	4	10	7	0	4477	4.68635453	0.448799519	1.291951081	0.347381201	0.728304954	0.998252924

chr16:10524467-10525312	exonic	ATF7IP2	16	10524467	10525312	0	1	1	2	0	0	845	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr16:53301205-53302038	exonic	CHD9	16	53301205	53302038	0	1	1	2	0	0	833	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr19:34699833-34706566	exonic	LSM14A	19	34699833	34706566	0	1	1	2	0	0	6733	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr2:101910475-101911643	exonic	RNF149	2	101910475	101911643	0	1	1	2	0	0	1168	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr2:216238044-216245803	exonic	FN1	2	216238044	216245803	0	1	1	2	0	0	7759	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr3:105389076-105412432	exonic	CBLB	3	105389076	105412432	0	1	1	2	0	0	23356	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr3:30686238-30715738	exonic	TGFBR2	3	30686238	30715738	0	1	1	2	0	0	29500	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr6:76331247-76333676	exonic	SENP6	6	76331247	76333676	0	1	1	2	0	0	2429	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr7:104730455-104731761	exonic	KMT2E	7	104730455	104731761	0	1	1	2	0	0	1306	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr9:116091160-116094330	exonic	WDR31	9	116091160	116094330	0	1	1	2	0	0	3170	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chrX:80047352-80049271	exonic	BRWD3	X	80047352	80049271	0	1	1	2	0	0	1919	0.584167595	0.44882672	3.418122164	0.131307981	0.895531679	0.998252924
chr19:34818325-34821252	exonic	KIAA0355	19	34818325	34821252	8	0	0	7	0	0	2927	1.776075238	0.449401887	3.832258104	0.117268168	NA	NA
chr1:89236034-89237562	exonic	PKN2	1	89236034	89237562	1	0	3	0	2	1	1528	1.271067472	0.449680295	2.405241292	0.186958496	0.851693174	0.998252924
chr3:169863210-169890500	exonic	PHC3	3	169863210	169890500	0	5	0	0	5	0	27290	1.476516104	0.450223783	2.65071887	0.169849692	NA	NA
chr3:169863210-169896726	exonic	PHC3	3	169863210	169896726	0	5	0	0	5	0	33516	1.476516104	0.450223783	2.65071887	0.169849692	NA	NA
chr11:47380394-47397280	exonic	SPI1	11	47380394	47397280	4	4	2	7	6	0	16886	3.90503865	0.450261728	1.370703002	0.328489634	0.742541481	0.998252924
chr11:47380394-47397283	exonic	SPI1	11	47380394	47397283	5	4	5	8	6	0	16889	3.90503865	0.450261728	1.370703002	0.328489634	0.742541481	0.998252924
chr8:27151596-27151827	exonic	TRIM35	8	27151596	27151827	6	2	1	4	2	1	231	2.295261273	0.452969788	1.639294871	0.276319896	0.782302376	0.998252924
chr12:9227156-9305939	exonic	A2M, PZP	12	9227156	9305939	0	8	3	0	7	2	78783	3.449642639	0.453734188	1.717530627	0.264178222	0.791642591	0.998252924
chr10:103432671-103436193	exonic	FBXW4	10	103432671	103436193	8	5	4	15	2	0	3522	4.529076261	0.454513628	1.369126458	0.331973445	NA	NA
chr8:68163533-68172161	exonic	ARFGEF1	8	68163533	68172161	0	2	7	3	7	0	8628	2.895560885	0.455520966	1.772371952	0.25701206	0.797169463	0.998252924
chr10:12139682-12162266	exonic	DHTKD1	10	12139682	12162266	2	3	0	5	0	0	22584	1.312358209	0.456098068	2.493615242	0.182906352	0.854871498	0.998252924
chr10:7409610-7423911	exonic	SFMBT2	10	7409610	7423911	0	3	7	3	8	0	14301	3.190864106	0.456634402	1.709768025	0.267073892	0.789412269	0.998252924
chr17:49041872-49042233	UTR3		17	49041872	49042233	5	0	0	2	2	0	361	1.099612328	0.456778021	2.657989949	0.171850921	NA	NA
chr11:118451960-118455359	exonic	ARCNI	11	118451960	118455359	2	3	1	5	1	0	3399	1.630654656	0.456909106	1.987534826	0.229887346	NA	NA
chr7:8043537-8099878	exonic	GLCCI1	7	8043537	8099878	1	1	1	3	5	0	56341	2.038388069	0.457354108	1.827228292	0.25029938	0.802355836	0.998252924
chr1:203786053-203787817	exonic	ZC3H11A	1	203786053	203787817	0	0	2	1	1	0	1764	0.621876858	0.459652519	3.344513003	0.137434813	0.890687115	0.998252924
chr10:120832401-120833449	exonic	EIF3A	10	120832401	120833449	0	0	2	1	1	0	1048	0.621876858	0.459652519	3.344513003	0.137434813	0.890687115	0.998252924
chr10:32317355-32326535	exonic	KIF5B	10	32317355	32326535	0	0	2	1	1	0	9180	0.621876858	0.459652519	3.344513003	0.137434813	0.890687115	0.998252924
chr11:581491-582081	exonic	PHRF1	11	581491	582081	0	0	2	1	1	0	590	0.621876858	0.459652519	3.344513003	0.137434813	0.890687115	0.998252924
chr12:104719114-104721449	exonic	TXNRD1	12	104719114	104721449	0	0	2	1	1	0	2335	0.621876858	0.459652519	3.344513003	0.137434813	0.890687115	0.998252924
chr22:43222945-43231499	exonic	ARFGAP3	22	43222945	43231499	0	0	2	1	1	0	8554	0.621876858	0.459652519	3.344513003	0.137434813	0.890687115	0.998252924
chr2:191765289-191789319	exonic	GLS	2	191765289	191789319	7	9	8	10	14	0	24030	6.807040752	0.460975015	1.147005109	0.401894474	0.68776169	0.998252924
chr13:78293666-78320990	exonic	SLAIN1	13	78293666	78320990	6	0	3	2	6	0	27324	2.304516034	0.46230028	1.866845058	0.247637198	NA	NA
chr13:78293666-78327493	exonic	SLAIN1	13	78293666	78327493	6	0	3	2	6	0	33827	2.304516034	0.46230028	1.866845058	0.247637198	NA	NA

chr10:69748419-69773943	exonic	HERC4	10	69748419	69773943	2	2	2	4	0	1	25524	1.734527684	0.462365121	1.949942068	0.237117363	0.812565743	0.998252924
chr3:179131199-179144030	exonic	GNB4	3	179131199	179144030	1	2	0	1	0	1	12831	0.892068535	0.463016675	2.734184769	0.169343594	0.865526388	0.998252924
chr16:15973660-15978062	exonic	FOPNL	16	15973660	15978062	0	2	1	1	2	0	4402	0.894186852	0.46315375	2.689337889	0.172218505	0.863265751	0.998252924
chr11:118650340-118657227	exonic	DDX6	11	118650340	118657227	3	0	0	0	2	0	6887	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr13:46077378-46085989	exonic	COG3	13	46077378	46085989	3	0	0	0	2	0	8611	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr13:99157169-99171727	exonic	STK24	13	99157169	99171727	3	0	0	0	2	0	14558	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr14:39627488-39628754	exonic	TRAPPC6B	14	39627488	39628754	3	0	0	0	2	0	1266	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr15:41988272-42005694	exonic	MGA	15	41988272	42005694	3	0	0	0	2	0	17422	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr15:52186011-52194233	exonic	TMOD3	15	52186011	52194233	3	0	0	0	2	0	8222	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr15:72338064-72338975	exonic	MYO9A	15	72338064	72338975	3	0	0	0	2	0	911	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr15:81271272-81274523	exonic	MESDC2	15	81271272	81274523	3	0	0	0	2	0	3251	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr19:36636707-36637214	exonic	CAPNS1	19	36636707	36637214	3	0	0	0	2	0	507	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr2:10784445-10808849	exonic	NOL10	2	10784445	10808849	3	0	0	0	2	0	24404	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr20:15913920-15967803	exonic	MACROD2	20	15913920	15967803	3	0	0	0	2	0	53883	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr20:58755108-58755971	ncRNA_exonic	MIR646HG	20	58755108	58755971	3	0	0	0	2	0	863	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr7:90355880-90492584	exonic	CDK14	7	90355880	90492584	3	0	0	0	2	0	136704	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr8:125502674-125503133	intronic	TATDN1	8	125502674	125503133	3	0	0	0	2	0	459	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr8:142161717-142166069	exonic	DENND3	8	142161717	142166069	3	0	0	0	2	0	4352	0.629015672	0.463256615	3.596403227	0.128811089	NA	NA
chr13:100953713-101020828	exonic	PCCA	13	100953713	101020828	3	1	1	1	6	0	67115	1.713211996	0.463327131	1.946067093	0.238083842	0.811816066	0.998252924
chr7:23224688-23226765	exonic	NUPL2	7	23224688	23226765	2	7	3	5	5	1	2077	3.514624199	0.463389604	1.388636553	0.333701143	0.738605087	0.998252924
chr7:33397466-33427756	exonic	BBS9	7	33397466	33427756	3	3	6	4	4	2	30290	3.619194824	0.463446612	1.349373095	0.343453278	0.731257484	0.998252924
chr12:116674626-116675510	exonic	MED13L	12	116674626	116675510	13	2	0	0	12	0	884	3.477710916	0.46437692	2.938358832	0.158039554	NA	NA
chr2:173423435-173431661	exonic	PDK1	2	173423435	173431661	2	0	5	0	7	0	8226	2.091510966	0.465141233	2.158417192	0.215501079	NA	NA
chr2:9028147-9098771	exonic	MBOAT2	2	9028147	9098771	2	3	3	4	4	0	70624	2.281963587	0.465372768	1.695714063	0.274440509	0.783746054	0.998252924
chr13:20625572-20641530	exonic	ZMYM2	13	20625572	20641530	4	0	0	1	2	0	15958	0.864314	0.466447315	2.92560845	0.159436002	NA	NA
chr5:64084777-64100213	exonic	CWC27	5	64084777	64100213	4	0	0	1	2	0	15436	0.864314	0.466447315	2.92560845	0.159436002	NA	NA
chr8:107691437-107705105	exonic	OXR1	8	107691437	107705105	4	0	0	1	2	0	13668	0.864314	0.466447315	2.92560845	0.159436002	NA	NA
chr6:144772505-144780490	exonic	UTRN	6	144772505	144780490	0	5	0	1	4	0	7985	1.461800068	0.468839858	2.445881007	0.191685473	NA	NA
chr15:89656955-89659752	exonic	ABHD2	15	89656955	89659752	42	12	15	45	16	2	2797	17.80468487	0.469907577	0.86423509	0.543726565	0.586629649	0.998252924
chr17:35936438-35946657	exonic	SYNRG	17	35936438	35946657	0	0	4	1	0	0	10219	1.743782445	0.470222594	2.068871912	0.227284537	0.820202496	0.998252924
chr15:89656955-89698765	exonic	ABHD2	15	89656955	89698765	1	1	2	2	2	0	41810	1.152478407	0.471453282	2.26269708	0.208358992	0.834948673	0.998252924
chr2:113057426-113089859	exonic	ZC3H6	2	113057426	113089859	5	13	7	17	9	0	32433	7.187943624	0.47222378	1.159670332	0.407205192	0.683857288	0.998252924
chr8:141799572-141874498	exonic	PTK2	8	141799572	141874498	1	5	0	4	2	0	74926	1.667666322	0.474634858	2.126405242	0.223209973	NA	NA
chr13:43491676-43544806	exonic	EPSTI1	13	43491676	43544806	3	2	1	1	0	0	53130	1.335351435	0.475609685	2.299464882	0.206834942	NA	NA
chr20:36685933-36694658	exonic	RPRD1B	20	36685933	36694658	7	5	3	8	4	1	8725	4.008914049	0.477358083	1.286297869	0.371110063	0.710555556	0.998252924

chr3:141231004-141259451	exonic	RASA2	3	141231004	141259451	7	5	7	0	5	6	28447	5.609619535	0.477653348	1.323463805	0.360911531	0.718165583	0.998252924
chr16:19627435-19663412	exonic	C16orf62	16	19627435	19663412	7	4	2	8	4	0	35977	3.329150615	0.48156353	1.471748089	0.327205134	0.743512738	0.998252924
chr14:31602443-31602881	exonic	HECTD1	14	31602443	31602881	5	2	3	2	5	1	438	2.711271877	0.48184564	1.519428067	0.317123035	0.751150247	0.998252924
chr1:14095613-14109326	exonic	PRDM2	1	14095613	14109326	8	3	0	10	0	0	13713	2.617836791	0.482444379	1.983769115	0.243195831	0.807853696	0.998252924
chr12:50824277-50835426	exonic	LARP4	12	50824277	50835426	0	1	2	0	3	0	11149	0.931896116	0.482725873	2.870799178	0.168150345	0.866465003	0.998252924
chr2:170394522-170401345	exonic	FASTKD1	2	170394522	170401345	0	1	2	0	3	0	6823	0.931896116	0.482725873	2.870799178	0.168150345	0.866465003	0.998252924
chr6:7176887-7189555	exonic	RREB1	6	7176887	7189555	25	14	9	17	12	7	12668	12.85710886	0.483960651	0.823977725	0.587346765	0.556970839	0.998252924
chr7:98563318-98569568	exonic	TRRAP	7	98563318	98569568	2	4	0	6	0	0	6250	1.592945393	0.484397785	2.333984235	0.207541156	0.835587255	0.998252924
chr7:43679047-43680248	exonic	COA1	7	43679047	43680248	0	4	10	11	5	0	1201	4.444355797	0.484438098	1.546758256	0.313195741	0.754131954	0.998252924
chr5:179665331-179668155	exonic	MAPK9	5	179665331	179668155	6	0	2	4	3	0	2824	1.956787514	0.484798063	1.960705186	0.247256999	0.804709342	0.998252924
chr1:243456392-243589860	exonic	SDCCAG8	1	243456392	243589860	2	2	1	4	2	2	133468	2.304956814	0.485469854	1.701851344	0.285259847	0.775445073	0.998252924
chr7:35050079-35058208	exonic	DPY19L1	7	35050079	35058208	2	11	0	4	0	4	8129	3.833127651	0.488620502	1.692311791	0.288729598	NA	NA
chr9:86293355-86297981	exonic	UBQLN1	9	86293355	86297981	1	0	3	1	3	0	4626	1.19018767	0.48942753	2.426609317	0.201691936	0.840157567	0.998252924
chr1:28800065-28802803	exonic	PHACTR4	1	28800065	28802803	0	0	7	9	0	0	2738	2.337685645	0.490374881	3.808333895	0.128763626	NA	NA
chr1:58971731-59000003	exonic	OMA1	1	58971731	59000003	11	14	6	8	8	2	28272	2.406713895	0.490680042	1.738325885	0.282271607	NA	NA
chr16:83940591-83945972	exonic	MLYCD	16	83940591	83945972	9	6	8	12	6	2	5381	6.403027854	0.490919995	1.063832917	0.461463438	0.644466147	0.998252924
chr11:32948702-32956981	exonic	QSER1	11	32948702	32956981	8	17	14	3	22	6	8279	11.58719957	0.491108927	0.979307557	0.501485896	0.616029202	0.998252924
chr15:49528047-49584734	exonic	GALK2	15	49528047	49584734	4	4	6	9	4	0	56687	3.088593275	0.491186047	1.47185619	0.333718777	0.738591779	0.998252924
chr1:92798947-92846430	exonic	RPAP2	1	92798947	92846430	3	3	11	2	13	1	47483	5.173945369	0.49154883	1.312107647	0.374625383	NA	NA
chr10:103552595-103570071	exonic	MGEA5	10	103552595	103570071	4	0	9	5	6	1	17476	3.857309066	0.492736773	1.48745952	0.331260627	0.740447629	0.998252924
chr9:33986757-34017187	exonic	UBAP2	9	33986757	34017187	6	4	3	6	6	0	30430	3.426864771	0.493199479	1.435441801	0.343587235	0.731156726	0.998252924
chr10:24669798-24673352	exonic	KIAA1217	10	24669798	24673352	2	4	5	12	0	0	3554	3.217158831	0.494417397	1.714016877	0.288455384	NA	NA
chr20:7976672-7990962	exonic	TMX4	20	7976672	7990962	5	0	0	3	1	0	14290	1.084896291	0.49619221	2.691314603	0.18436797	NA	NA
chr7:6854394-6861995	exonic	CCZ1B	7	6854394	6861995	1	4	9	1	7	3	7601	4.479670533	0.497453656	1.392224964	0.357308387	0.720860952	0.998252924
chr11:3756420-3774638	exonic	NUP98	11	3756420	3774638	0	1	3	0	0	2	18218	1.382520093	0.497828797	2.553270804	0.194976888	0.845411041	0.998252924
chr1:203676136-203677232	exonic	ATP2B4	1	203676136	203677232	2	0	2	4	0	0	1096	1.077757477	0.498417969	2.689324726	0.185332015	NA	NA
chr12:26208211-26220646	exonic	RASSF8	12	26208211	26220646	1	0	2	4	0	0	12435	1.077757477	0.498417969	2.689324726	0.185332015	NA	NA
chr1:59811918-59844509	exonic	FGGY	1	59811918	59844509	23	14	6	34	7	0	32591	11.05195407	0.499199471	1.074982316	0.46437924	NA	NA
chr7:155465560-155473602	exonic	RBM33	7	155465560	155473602	39	77	53	84	50	17	8042	49.12622944	0.500292909	0.631442567	0.792301526	0.428184882	0.998252924
chr18:74561481-74563895	exonic	ZNF236	18	74561481	74563895	5	6	4	5	7	1	2414	4.166633098	0.500377425	1.265853758	0.395288493	0.692629991	0.998252924
chr6:170159933-170168267	exonic	ERMARD	6	170159933	170168267	4	2	1	1	3	1	8334	1.839380654	0.500458294	1.803018538	0.277566915	0.781344832	0.998252924
chr16:53288349-53302038	exonic	CHD9	16	53288349	53302038	1	3	0	4	0	0	13689	1.077059881	0.503675175	2.710296123	0.185837692	NA	NA
chr2:48869540-48898819	exonic	GTF2A1L, STON1-GTF2A1L	2	48869540	48898819	1	3	0	4	0	0	29279	1.077059881	0.503675175	2.710296123	0.185837692	NA	NA
chr16:68224670-68225678	exonic	NFATC3	16	68224670	68225678	1	0	2	3	0	0	1008	0.842459149	0.503765988	2.96450074	0.169932826	0.865062965	0.998252924
chr9:4117767-4118881	exonic	GLIS3	9	4117767	4118881	0	5	0	3	0	1	1114	1.49853176	0.504037503	2.44387879	0.206244886	NA	NA

chr11:34978930-35006275	exonic	PDHX	11	34978930	35006275	5	1	2	3	0	2	27345	2.149119937	0.504322997	1.823015894	0.276642128	0.782054913	0.998252924
chr12:9247568-9260240	exonic	A2M	12	9247568	9260240	5	1	0	4	0	0	12672	1.586065767	0.504360316	2.360137664	0.213699533	NA	NA
chr7:134632258-134635265	exonic	CALD1	7	134632258	134635265	8	0	2	9	0	0	3007	2.38323606	0.504693041	2.056105741	0.245460645	0.806099777	0.998252924
chr11:65266744-65266983	ncRNA_exonic	MALAT1	11	65266744	65266983	0	2	4	0	2	2	239	1.996119761	0.506015664	2.047016107	0.247196718	0.804755985	0.998252924
chr16:88061088-88071617	exonic	BANP	16	88061088	88071617	16	14	10	17	10	5	10529	11.03500334	0.50605848	0.858040764	0.589783727	0.555335654	0.998252924
chr9:325670-340321	exonic	DOCK8	9	325670	340321	2	0	3	4	1	0	14651	1.396053925	0.506380276	2.258990259	0.224162222	0.822631078	0.998252924
chr3:65856527-65856874	intronic	MAGI1	3	65856527	65856874	0	0	4	0	0	2	347	1.40551332	0.507358758	2.750450709	0.184463861	NA	NA
chr13:77779390-77786295	exonic	MYCBP2	13	77779390	77786295	0	4	0	2	2	0	6905	1.15178081	0.507610514	2.632468101	0.192826843	NA	NA
chr2:86992149-86993147	exonic	RMND5A	2	86992149	86993147	4	0	0	2	1	0	998	0.849597963	0.507947655	2.941689671	0.172672073	NA	NA
chr7:72883846-72884813	exonic	BAZ1B	7	72883846	72884813	0	2	2	0	4	0	967	1.227199336	0.507990353	2.581525479	0.196779136	NA	NA
chr8:17532694-17613470	exonic	MTUS1	8	17532694	17613470	0	2	2	0	4	0	80776	1.227199336	0.507990353	2.581525479	0.196779136	NA	NA
chr16:53472927-53481018	exonic	RBL2	16	53472927	53481018	4	2	0	2	3	0	8091	1.440204405	0.508904872	2.192666083	0.232094105	0.816464923	0.998252924
chr5:139819703-139828890	exonic	ANKHD1, ANKHD1-EIF4EBP3	5	139819703	139828890	6	3	3	7	2	1	9187	3.183009279	0.509272259	1.424482568	0.357513858	0.720707153	0.998252924
chr1:151288048-151288985	exonic	PI4KB	1	151288048	151288985	5	4	0	6	0	1	937	2.28812483	0.510409119	1.908166414	0.267486691	0.78909446	0.998252924
chr9:33294417-33295425	exonic	NFX1	9	33294417	33295425	0	1	2	1	2	0	1008	0.917180079	0.51072316	2.66864386	0.191379287	0.848228447	0.998252924
chr4:40596275-40598817	intronic	RBM47	4	40596275	40598817	6	4	4	7	6	0	2542	3.730445182	0.512203888	1.388534448	0.368880937	0.712216473	0.998252924
chr2:122363276-122363756	exonic	CLASP1	2	122363276	122363756	2	3	4	6	3	0	480	2.570827961	0.514356533	1.633124564	0.31495242	0.75279778	0.998252924
chr10:70246900-70266475	exonic	SLC25A16	10	70246900	70266475	7	4	0	10	0	0	19575	2.663125647	0.517997316	1.965726395	0.263514453	NA	NA
chr7:99090663-99092254	exonic	ZNF394	7	99090663	99092254	30	10	10	25	20	0	1591	12.66338959	0.51876146	0.989169009	0.524441683	NA	NA
chr1:100489471-100493590	UTR3	-----	1	100489471	100493590	0	3	0	3	0	0	4119	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr1:36469941-36492899	exonic	AGO3	1	36469941	36492899	0	3	0	3	0	0	22958	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr11:9225206-9229179	exonic	DENND5A	11	9225206	9229179	0	3	0	3	0	0	3973	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr12:11187381-11199787	exonic	PRH1, PRH1-TAS2R14	12	11187381	11199787	0	3	0	3	0	0	12406	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr12:112884079-112893867	exonic	PTPN11	12	112884079	112893867	0	3	0	3	0	0	9788	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr14:91444649-91467503	exonic	RPS6KA5	14	91444649	91467503	0	3	0	3	0	0	22854	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr15:59960302-59970286	exonic	BNIP2	15	59960302	59970286	0	3	0	3	0	0	9984	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr15:93543404-93544193	exonic	CHD2	15	93543404	93544193	0	3	0	3	0	0	789	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr3:130871231-130889731	exonic	NEK11	3	130871231	130889731	0	3	0	3	0	0	18500	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr4:42618049-42629126	exonic	ATP8A1	4	42618049	42629126	0	3	0	3	0	0	11077	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr6:64404470-64410356	exonic	PHF3	6	64404470	64410356	0	3	0	3	0	0	5886	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr7:155465561-155477746	exonic	RBM33	7	155465561	155477746	0	3	0	3	0	0	12185	0.841761553	0.519198227	3.227923206	0.160845904	NA	NA
chr7:151917607-151935911	exonic	KMT2C	7	151917607	151935911	8	6	0	13	0	0	18304	3.459598344	0.520240274	1.827980575	0.28459836	NA	NA
chr22:41521867-41537226	exonic	EP300	22	41521867	41537226	4	3	1	3	4	0	15359	2.039088037	0.520544449	1.784293954	0.291736958	0.770487749	0.998252924
chr14:55168779-55169298	exonic	SAMD4A	14	55168779	55169298	5	4	0	6	2	0	519	2.221961065	0.520730817	1.87278345	0.278051804	0.780972592	0.998252924
chrX:37245851-37285253	exonic	PRRG1	X	37245851	37285253	2	0	4	4	2	0	39402	1.714350372	0.520794632	2.077742918	0.250654028	0.802081606	0.998252924

chr2:85782606-85783383	exonic	GGCX	2	85782606	85783383	3	3	0	0	5	0	777	1.514925335	0.521022715	2.368499756	0.219980058	NA	NA
chr11:68334481-68367962	exonic	PPP6R3	11	68334481	68367962	4	3	0	3	3	0	33481	1.720791589	0.521196357	2.039320985	0.255573478	0.7982802	0.998252924
chr1:16902762-16914292	exonic	NBPF1	1	16902762	16914292	0	6	2	4	0	2	11530	2.481875604	0.522407528	1.890476332	0.276336455	0.782289659	0.998252924
chr3:183368083-183369064	exonic	KLHL24	3	183368083	183369064	6	3	1	8	1	0	981	2.465536582	0.522494521	1.727584541	0.30244223	NA	NA
chr6:30618770-30619243	exonic	C6orf136	6	30618770	30619243	19	9	6	15	13	1	473	8.679094127	0.523060111	0.997310997	0.524470413	0.599951393	0.998252924
chr12:56956200-56965639	exonic	RBMS2	12	56956200	56965639	7	3	3	10	2	0	9439	3.322711768	0.523604621	1.502452122	0.348500038	NA	NA
chr10:43650344-43671480	exonic	CSGALNACT2	10	43650344	43671480	8	4	2	4	2	3	21136	3.715493	0.524131192	1.355414548	0.386694383	0.698982475	0.998252924
chr10:43654162-43671480	exonic	CSGALNACT2	10	43654162	43671480	8	4	2	4	2	3	17318	3.715493	0.524131192	1.355414548	0.386694383	0.698982475	0.998252924
chr11:73418464-73431944	exonic	RAB6A	11	73418464	73431944	6	2	14	9	13	0	13480	6.414398562	0.524516609	1.257532272	0.417099919	0.676605324	0.998252924
chr5:109117096-109125228	exonic	MAN2A1	5	109117096	109125228	1	0	3	2	2	0	8132	1.175471633	0.524622363	2.415975911	0.217147183	0.828093644	0.998252924
chr14:35261980-35264971	exonic	BAZ1A	14	35261980	35264971	3	1	0	0	3	0	2991	0.924318893	0.526280727	2.855569205	0.184299763	0.8537783	0.998252924
chr15:50878588-50884823	exonic	TRPM7	15	50878588	50884823	3	1	0	0	3	0	6235	0.924318893	0.526280727	2.855569205	0.184299763	0.8537783	0.998252924
chr2:58425713-58459247	exonic	FANCL	2	58425713	58459247	15	8	12	16	10	9	33534	0.924318893	0.526280727	2.855569205	0.184299763	0.8537783	0.998252924
chr5:95072592-95119667	exonic	RHOBTB3	5	95072592	95119667	0	4	2	2	4	0	47075	1.788373705	0.526295007	2.0568789	0.255870682	0.798050694	0.998252924
chr10:79761954-79767624	exonic	POLR3A	10	79761954	79767624	3	0	0	1	1	0	5670	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr17:64092368-64128881	exonic	CEP112	17	64092368	64128881	3	0	0	1	1	0	36513	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr3:169693395-169706147	exonic	SEC62	3	169693395	169706147	3	0	0	1	1	0	12752	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr4:106613132-106614643	exonic	INTS12	4	106613132	106614643	3	0	0	1	1	0	1511	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr4:38091552-38126752	exonic	TBC1D1	4	38091552	38126752	3	0	0	1	1	0	35200	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr6:169972514-170052104	exonic	WDR27	6	169972514	170052104	3	0	0	1	1	0	79590	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr9:84225134-84235472	exonic	TLE1	9	84225134	84235472	3	0	0	1	1	0	10338	0.614299635	0.526741363	3.336677402	0.157864036	NA	NA
chr14:61278704-61346553	exonic	MNAT1	14	61278704	61346553	1	0	0	0	2	0	67849	1.357647065	0.527924164	2.498069765	0.211332834	NA	NA
chr3:169840378-169847340	exonic	PHC3	3	169840378	169847340	8	7	9	12	11	0	6962	6.634285627	0.528021492	1.146704833	0.460468533	0.645179953	0.998252924
chr17:28111326-28112627	intronic	SSH2	17	28111326	28112627	0	5	0	3	2	0	1301	1.432367994	0.528763736	2.43173307	0.217443166	NA	NA
chr3:121563299-121591635	exonic	EAF2	3	121563299	121591635	0	2	3	0	5	0	28336	1.545495784	0.528968325	2.380062088	0.222249801	0.824119428	0.998252924
chr21:17150222-17214859	exonic	USP25	21	17150222	17214859	4	1	0	2	2	0	64637	1.144901184	0.529342162	2.417482524	0.218964215	0.826677924	0.998252924
chr15:77471131-77474382	exonic	PEAK1	15	77471131	77474382	5	2	2	5	1	1	3251	2.348827319	0.52968267	1.629856045	0.324987395	0.745190612	0.998252924
chr2:9666239-9676957	exonic	ADAM17	2	9666239	9676957	4	0	0	0	1	1	10718	0.945193802	0.529783594	2.883678262	0.183717997	NA	NA
chr6:146209155-146216113	exonic	SHPRH	6	146209155	146216113	11	3	4	11	5	0	6958	4.505322216	0.530763063	1.331688103	0.398564094	0.690214422	0.998252924
chr1:155737215-155747611	exonic	GON4L	1	155737215	155747611	0	0	2	2	0	0	10396	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr1:243449573-243507633	exonic	SDCCAG8	1	243449573	243507633	0	0	2	2	0	0	58060	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr1:39775241-39815299	exonic	MACF1	1	39775241	39815299	0	0	2	2	0	0	40058	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr10:13534610-13538888	exonic	BEND7	10	13534610	13538888	0	0	2	2	0	0	4278	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr12:10539501-10546466	exonic	KLRC4-KLRK1, KLRK1	12	10539501	10546466	0	0	2	2	0	0	6965	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr12:29904598-29921008	exonic	TMTC1	12	29904598	29921008	0	0	2	2	0	0	16410	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924

chr12:49890615-49893988	exonic	SPATS2	12	49890615	49893988	0	0	2	2	0	0	3373	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr14:74557934-74567941	exonic	LIN52	14	74557934	74567941	0	0	2	2	0	0	10007	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr15:65962116-65962526	exonic	DENND4A	15	65962116	65962526	0	0	2	2	0	0	410	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr16:28499911-28500707	exonic	CLN3	16	28499911	28500707	0	0	2	2	0	0	796	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr17:4077203-4083172	exonic	ANKFY1	17	4077203	4083172	0	0	2	2	0	0	5969	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr17:49067810-49071296	exonic	SPAG9	17	49067810	49071296	0	0	2	2	0	0	3486	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr17:975853-1003975	exonic	ABR	17	975853	1003975	0	0	2	2	0	0	28122	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr2:136379063-136437894	exonic	R3HDM1	2	136379063	136437894	0	0	2	2	0	0	58831	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr2:231222519-231236366	exonic	SP140L	2	231222519	231236366	0	0	2	2	0	0	13847	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr3:155547476-155560408	exonic	SLC33A1	3	155547476	155560408	0	0	2	2	0	0	12932	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr3:30664690-30691952	exonic	TGFBR2	3	30664690	30691952	0	0	2	2	0	0	27262	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr4:106317405-106359193	exonic	PPA2	4	106317405	106359193	0	0	2	2	0	0	41788	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr4:170428187-170429482	exonic	NEK1	4	170428187	170429482	0	0	2	2	0	0	1295	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr4:38045982-38104778	exonic	TBC1D1	4	38045982	38104778	0	0	2	2	0	0	58796	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr4:42487512-42526864	exonic	ATP8A1	4	42487512	42526864	0	0	2	2	0	0	39352	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr8:52770020-52773806	exonic	PCMTD1	8	52770020	52773806	0	0	2	2	0	0	3786	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr8:74600888-74652103	exonic	STAU2	8	74600888	74652103	0	0	2	2	0	0	51215	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr9:114840817-114842445	exonic	SUSD1	9	114840817	114842445	0	0	2	2	0	0	1628	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr9:91652907-91661909	exonic	SHC3	9	91652907	91661909	0	0	2	2	0	0	9002	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chrX:102071920-102094900	ncRNA_exonic	LINC00630	X	102071920	102094900	0	0	2	2	0	0	22980	0.607160821	0.5313261	3.662376251	0.145076875	0.884650177	0.998252924
chr17:29483000-29497015	exonic	NF1	17	29483000	29497015	0	1	6	0	3	2	14015	2.337409435	0.532406109	1.977093162	0.269287315	NA	NA
chr1:155619605-155736500	exonic	DAP3, GON4L, YY1AP1	1	155619605	155736500	6	3	0	8	0	0	116895	2.147240135	0.532644828	2.100842235	0.253538709	NA	NA
chr18:60206913-60217693	exonic	ZCCHC2	18	60206913	60217693	13	2	2	7	7	0	10780	4.011291554	0.533670328	1.425820521	0.374289976	NA	NA
chr3:71037144-71102924	exonic	FOXP1	3	71037144	71102924	5	3	0	6	1	0	65780	1.926657844	0.533739715	2.003168465	0.266447742	NA	NA
chr19:37690302-37698156	exonic	ZNF585B	19	37690302	37698156	3	3	3	9	0	0	7854	2.458397768	0.534644188	1.836764305	0.291079365	NA	NA
chr14:76633005-76662315	exonic	GPATCH2L	14	76633005	76662315	6	3	3	0	2	4	29310	3.363485409	0.535400004	1.570795898	0.340846322	NA	NA
chrX:53672262-53681075	exonic	HUWE1	X	53672262	53681075	3	2	0	0	4	0	8813	1.219622114	0.538502508	2.562152503	0.210175822	NA	NA
chr1:95609446-95616975	exonic	TMEM56, TMEM56-RWDD3	1	95609446	95616975	0	9	0	5	4	0	7529	2.584148805	0.538592081	2.004721728	0.268661767	NA	NA
chr1:201970503-201972589	exonic	RNPEP	1	201970503	201972589	4	2	0	3	2	0	2086	1.425488368	0.538743078	2.199051943	0.244988792	0.80646511	0.998252924
chr2:32602655-32641231	exonic	BIRC6	2	32602655	32641231	4	2	0	3	2	0	38576	1.425488368	0.538743078	2.199051943	0.244988792	0.80646511	0.998252924
chr1:21295966-21307720	exonic	EIF4G3	1	21295966	21307720	4	2	2	3	4	0	11754	2.062081263	0.538984795	1.759285251	0.306365778	0.759326161	0.998252924
chr19:41758255-41762516	exonic	AXL	19	41758255	41762516	5	0	2	4	0	1	4261	1.772936914	0.539044456	2.092042985	0.25766414	0.796666124	0.998252924
chr1:28800065-28800663	exonic	PHACTR4	1	28800065	28800663	5	0	0	4	0	0	598	1.070180255	0.539684905	2.945240479	0.183239674	NA	NA
chr10:77795765-77818541	exonic	C10orf11	10	77795765	77818541	5	0	0	4	0	0	22776	1.070180255	0.539684905	2.945240479	0.183239674	NA	NA
chr14:105634473-105634691	splicing	JAG2	14	105634473	105634691	5	0	0	4	0	0	218	1.070180255	0.539684905	2.945240479	0.183239674	NA	NA

chr19:18453669-18454225	exonic	PGPEP1	19	18453669	18454225	5	0	0	4	0	0	556	1.070180255	0.539684905	2.945240479	0.183239674	NA	NA
chr9:19288593-19300329	exonic	DENND4C	9	19288593	19300329	5	0	0	4	0	0	11736	1.070180255	0.539684905	2.945240479	0.183239674	NA	NA
chr9:19290701-19300329	exonic	DENND4C	9	19290701	19300329	5	0	0	4	0	0	9628	1.070180255	0.539684905	2.945240479	0.183239674	NA	NA
chr7:148716083-148718239	exonic	PDIA4	7	148716083	148718239	6	10	4	4	12	1	2156	5.491548961	0.539996999	1.191874986	0.453065125	NA	NA
chr11:57466031-57467869	exonic	ZDHHC5	11	57466031	57467869	0	0	3	0	3	0	1838	0.954889342	0.543389631	3.094617391	0.175591862	NA	NA
chr15:69502654-69553668	exonic	GLCE	15	69502654	69553668	0	0	3	0	3	0	51014	0.954889342	0.543389631	3.094617391	0.175591862	NA	NA
chr19:58372744-58373938	UTR3	<small>20738708...5228...-41226...45336...1046...18...91224887...-41221...45336...114491</small>	19	58372744	58373938	0	0	3	0	3	0	1194	0.954889342	0.543389631	3.094617391	0.175591862	NA	NA
chr2:171884848-171906684	exonic	TLK1	2	171884848	171906684	0	0	3	0	3	0	21836	0.954889342	0.543389631	3.094617391	0.175591862	NA	NA
chr20:45918930-45927691	exonic	ZMYND8	20	45918930	45927691	0	0	3	0	3	0	8761	0.954889342	0.543389631	3.094617391	0.175591862	NA	NA
chr5:108103793-108134090	exonic	FER	5	108103793	108134090	0	0	3	0	3	0	30297	0.954889342	0.543389631	3.094617391	0.175591862	NA	NA
chr8:62531536-62566219	exonic	ASPH	8	62531536	62566219	16	42	8	13	13	5	34683	3.44390376	0.544290851	1.37574001	0.395634965	0.692374339	0.998252924
chr17:27248705-27254081	exonic	PHF12	17	27248705	27254081	1	3	1	5	0	0	5376	1.380640291	0.544365582	2.299607187	0.236721117	NA	NA
chr17:77073511-77073946	exonic	ENGASE	17	77073511	77073946	16	7	3	11	9	1	435	6.442419396	0.545839128	1.112488365	0.490647045	0.623676107	0.998252924
chr6:16586010-16753578	UTR5	<small>4753108...39832...-42480...-42537...1144...18...20122844...-42480...-42537...1144...</small>	6	16586010	16753578	1	4	2	6	1	0	167568	1.979523923	0.54711475	1.875194199	0.291764315	0.770466831	0.998252924
chr2:61505299-61508377	exonic	USP34	2	61505299	61508377	3	4	0	2	2	1	3078	1.846960247	0.547724772	1.896494869	0.288808992	0.77272755	0.998252924
chr10:103552595-103573363	exonic	MGEA5	10	103552595	103573363	7	2	10	10	6	1	20768	5.321647444	0.5478014	1.212842311	0.451667455	0.651508567	0.998252924
chr1:114483003-114484081	exonic	HIPK1	1	114483003	114484081	0	4	0	3	1	0	1078	1.137064774	0.548205569	2.664764869	0.205723805	NA	NA
chr1:179972308-179975702	exonic	CEP350	1	179972308	179975702	3	2	2	0	6	0	3394	1.856215008	0.548669207	2.032524271	0.269944726	NA	NA
chr17:40879652-40882936	exonic	EZH1	17	40879652	40882936	12	0	4	12	2	0	3284	3.854710881	0.548765832	1.616718051	0.339431994	0.73428432	0.998252924
chr2:231222519-231226412	exonic	SP140L	2	231222519	231226412	0	3	3	2	4	0	3893	1.811366931	0.550120942	2.042015557	0.269400955	0.787621151	0.998252924
chr1:243800912-244006584	exonic	AKT3	1	243800912	244006584	4	0	0	3	0	0	205672	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr11:119144577-119145663	exonic	CBL	11	119144577	119145663	4	0	0	3	0	0	1086	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr11:77823695-77832220	exonic	ALG8	11	77823695	77832220	4	0	0	3	0	0	8525	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr13:42385360-42407667	exonic	VWA8	13	42385360	42407667	4	0	0	3	0	0	22307	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr4:129913321-129964622	exonic	SCLT1	4	129913321	129964622	4	0	0	3	0	0	51301	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr5:94204037-94248681	exonic	MCTP1	5	94204037	94248681	3	0	0	2	0	0	44644	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr5:94204037-94259726	exonic	MCTP1	5	94204037	94259726	4	0	0	3	0	0	55689	0.834881927	0.551142419	3.222836378	0.171011604	NA	NA
chr10:69726439-69785433	exonic	HERC4	10	69726439	69785433	0	1	2	2	1	0	58994	0.902464042	0.552020412	2.681432811	0.205867702	0.836894255	0.998252924
chr10:7285519-7327916	exonic	SFMBT2	10	7285519	7327916	8	3	2	6	5	0	42397	3.19226641	0.556189384	1.495286366	0.371961784	0.709921303	0.998252924
chr10:7290509-7327916	exonic	SFMBT2	10	7290509	7327916	8	3	2	6	5	0	37407	3.19226641	0.556189384	1.495286366	0.371961784	0.709921303	0.998252924
chr6:32487147-32548633	exonic	HLA-DRB1,HLA-DRB5	6	32487147	32548633	2887	192	242	2358	464	5	61486	761.9654244	0.556329101	1.673223358	0.332489442	NA	NA
chr12:109046047-109048186	exonic	CORO1C	12	109046047	109048186	50	26	30	57	32	4	2139	28.06408957	0.557807208	0.72465195	0.76975879	0.441442989	0.998252924
chr1:247318868-247323115	exonic	ZNF124	1	247318868	247323115	72	51	30	84	41	7	4247	40.14300731	0.558015333	0.677714274	0.823378456	0.41029281	0.998252924
chr17:75172280-75172763	intronic	SEC14L1	17	75172280	75172763	3	4	6	11	2	0	483	3.679158258	0.55870682	1.470780383	0.379871003	NA	NA
chr12:32729199-32764217	exonic	FGD4	12	32729199	32764217	0	4	0	1	0	1	35018	0.937357391	0.559390481	2.905619327	0.192520223	NA	NA

chr22:36737414-36745300	exonic	MYH9	22	36737414	36745300	0	3	0	1	0	1	7886	0.937357391	0.559390481	2.905619327	0.192520223	NA	NA
chr15:42040834-42042813	exonic	MGA	15	42040834	42042813	5	2	0	6	0	0	1979	1.631354623	0.559475629	2.306546779	0.242559845	0.808346391	0.998252924
chr10:64936056-64953232	exonic	JMJD1C	10	64936056	64953232	0	2	1	3	0	0	17176	0.864754779	0.559808879	2.939374605	0.190451696	0.848955191	0.998252924
chr14:50262508-50298079	exonic	NEMF	14	50262508	50298079	2	4	0	0	1	2	35571	1.692541721	0.560452407	2.174013415	0.257796204	0.796564194	0.998252924
chr4:57344544-57349436	exonic	SRP72	4	57344544	57349436	0	1	4	0	5	0	4892	1.56848901	0.560995497	2.399584286	0.233788619	NA	NA
chr2:176835491-176860374	exonic	KIAA1715	2	176835491	176860374	0	3	6	1	8	0	24883	2.78097231	0.561807475	1.833968998	0.306334227	0.759350182	0.998252924
chr11:17153462-17167489	exonic	PIK3C2A	11	17153462	17167489	0	2	2	2	2	0	14027	1.197767263	0.563226215	2.382817645	0.236369836	0.813145701	0.998252924
chr22:26059596-26070495	exonic	ADRBK2	22	26059596	26070495	4	0	1	2	2	0	10899	1.167894411	0.564826088	2.403661473	0.234985706	0.814219828	0.998252924
chr2:197004343-197010779	exonic	STK17B	2	197004343	197010779	0	1	3	1	3	0	6436	1.235476526	0.566003004	2.401847521	0.235653179	0.813701804	0.998252924
chr1:223991875-223994649	exonic	TP53BP2	1	223991875	223994649	4	0	2	2	3	0	2774	1.486190858	0.566376721	2.174391685	0.260475941	0.794496671	0.998252924
chr16:3799627-3820987	exonic	CREBBP	16	3799627	3820987	2	4	0	0	3	1	21360	1.626377956	0.566782904	2.169194356	0.261287285	0.793870971	0.998252924
chr18:46858233-46906128	exonic	DYM	18	46858233	46906128	7	3	2	4	4	1	47895	3.037847884	0.566914749	1.439207971	0.393907455	0.693649366	0.998252924
chr3:56694758-56707753	exonic	FAM208A	3	56694758	56707753	12	4	6	10	3	3	12995	5.779412606	0.567526427	1.132026581	0.501336662	0.616134207	0.998252924
chr3:56696412-56707753	exonic	FAM208A	3	56696412	56707753	12	4	6	10	3	3	11341	5.779412606	0.567526427	1.132026581	0.501336662	0.616134207	0.998252924
chr7:30590252-30601744	ncRNA_exonic	LOC401320	7	30590252	30601744	5	9	5	12	6	0	11492	5.201663186	0.567947315	1.259926043	0.450778296	0.652149346	0.998252924
chr1:150997086-150998149	exonic	PRUNE	1	150997086	150998149	6	7	4	4	11	0	1063	4.539475533	0.568427605	1.328185304	0.427973118	0.668670692	0.998252924
chr7:24663284-24708279	exonic	MPP6	7	24663284	24708279	19	13	8	6	4	9	44995	14.79911646	0.56844393	0.914678566	0.621468515	NA	NA
chr6:13228047-13230425	exonic	PHACTR1	6	13228047	13230425	0	3	1	3	1	0	2378	1.160058	0.568871062	2.44735058	0.232443634	0.816193462	0.998252924
chr6:111708967-111793343	exonic	REV3L	6	111708967	111793343	1	0	2	1	0	1	84376	0.938054988	0.568969603	2.693086313	0.211270467	0.832676227	0.998252924
chr7:33185853-33217203	exonic	BBS9	7	33185853	33217203	7	7	6	8	4	3	31350	5.565709941	0.569297721	1.118014838	0.509204083	0.610609181	0.998252924
chr14:23375403-23380612	exonic	RBM23	14	23375403	23380612	19	17	10	29	9	2	5209	12.17484494	0.569549299	0.903089826	0.630667385	NA	NA
chr9:130947825-130950213	exonic	CIZ1	9	130947825	130950213	4	0	1	2	0	1	2388	1.234058176	0.569712212	2.409703314	0.236424214	0.813103509	0.998252924
chr15:76584771-76588078	exonic	ETFA	15	76584771	76588078	4	0	3	2	4	0	3307	1.804487305	0.569744902	2.024600233	0.281411062	0.778395135	0.998252924
chr18:19144163-19148055	exonic	ESCO1	18	19144163	19148055	4	0	3	2	4	0	3892	1.804487305	0.569744902	2.024600233	0.281411062	0.778395135	0.998252924
chr2:72692288-72707879	exonic	EXOC6B	2	72692288	72707879	0	3	6	3	4	1	15591	2.817704002	0.570264797	1.657276187	0.344097623	0.73077287	0.998252924
chr1:179870436-179877808	exonic	TOR1AIP1	1	179870436	179877808	0	0	3	1	2	0	7372	0.940173305	0.571645919	2.862342281	0.199712635	NA	NA
chr15:34542498-34543258	exonic	SLC12A6	15	34542498	34543258	0	0	3	1	2	0	760	0.940173305	0.571645919	2.862342281	0.199712635	NA	NA
chr5:133534776-133541822	exonic	PPP2CA	5	133534776	133541822	0	0	3	1	2	0	7046	0.940173305	0.571645919	2.862342281	0.199712635	NA	NA
chr4:83745707-83748785	exonic	SEC31A	4	83745707	83748785	3	0	1	0	3	0	3078	0.947312119	0.57204088	2.833138891	0.201910638	0.839986586	0.998252924
chr4:2701406-2702271	exonic	FAM193A	4	2701406	2702271	3	4	0	3	3	0	865	1.766080445	0.572548156	2.026561961	0.28252191	0.777543349	0.998252924
chr4:1902352-1906105	exonic	WHSC1	4	1902352	1906105	1	2	2	5	0	0	3753	1.403633518	0.573171947	2.269191619	0.252588606	NA	NA
chr6:158733083-158735300	exonic	TULP4	6	158733083	158735300	40	43	13	53	28	3	2217	25.16576145	0.573521298	0.789141633	0.726765988	0.467369322	0.998252924
chr1:219366424-219414650	exonic	LYPLAL1	1	219366424	219414650	8	9	0	11	4	0	48226	4.253912658	0.575028976	1.522046134	0.377799965	0.7055792	0.998252924
chrX:1404670-1409402	exonic	CSF2RA	X	1404670	1409402	14	1	2	4	5	2	4732	4.021450916	0.575223037	1.375630698	0.418152225	NA	NA
chr4:38091552-38104778	exonic	TBC1D1	4	38091552	38104778	11	4	5	16	0	1	13226	5.111505466	0.576391216	1.3831324	0.41672888	NA	NA

chr8:141810557-141900868	exonic	PTK2	8	141810557	141900868	5	4	2	9	4	3	90311	11.63882831	0.576626965	0.888635058	0.648890633	0.51640907	0.998252924
chr4:140037803-140060651	exonic	ELF2	4	140037803	140060651	2	7	0	4	0	2	22848	2.519587237	0.578013374	1.875867071	0.308131308	NA	NA
chr1:24993305-24996806	exonic	SRRM1	1	24993305	24996806	2	6	1	2	2	2	3501	2.572012537	0.57867802	1.611256205	0.359147117	NA	NA
chr15:93543741-93552553	exonic	CHD2	15	93543741	93552553	7	5	2	7	3	1	8812	3.584306216	0.579513535	1.359139591	0.426382646	0.669829044	0.998252924
chrX:10031484-10066619	exonic	WWC3	X	10031484	10066619	9	17	10	7	2	11	35135	10.47290056	0.580793246	1.046599529	0.554933602	NA	NA
chr15:80390757-80415142	exonic	ZFAND6	15	80390757	80415142	3	2	2	2	4	0	24385	1.826782935	0.581741429	1.855367081	0.313545193	0.753866491	0.998252924
chr15:80390920-80412666	UTR5		15	80390920	80412666	3	2	2	2	4	0	21746	1.826782935	0.581741429	1.855367081	0.313545193	0.753866491	0.998252924
chr2:30775358-30791042	exonic	LCLAT1	2	30775358	30791042	2	4	0	0	5	0	15684	1.560214191	0.581959183	2.358147333	0.246786609	0.805073375	0.998252924
chr1:147120047-147131890	exonic	ACP6	1	147120047	147131890	3	0	0	2	0	0	11843	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr1:202126866-202127429	exonic	PTPN7	1	202126866	202127429	3	0	0	2	0	0	563	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr1:36432555-36439112	exonic	AGO3	1	36432555	36439112	3	0	0	2	0	0	6557	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr1:36872981-36878958	intergenic	LSM10 (dist=9421), OSCP1 (dist=4549)	1	36872981	36878958	3	0	0	2	0	0	5977	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr1:48821389-48869554	exonic	SPATA6	1	48821389	48869554	2	0	0	1	0	0	48165	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr1:48825257-48869554	exonic	SPATA6	1	48825257	48869554	0	0	0	3	0	0	44297	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr10:32832228-32912745	exonic	CCDC7	10	32832228	32912745	3	0	0	2	0	0	80517	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr10:33542955-33559784	exonic	NRP1	10	33542955	33559784	3	0	0	2	0	0	16829	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr11:19371725-19372574	exonic	NAV2	11	19371725	19372574	3	0	0	2	0	0	849	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr12:123488940-123490095	exonic	PITPNM2	12	123488940	123490095	3	0	0	2	0	0	1155	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr13:24823614-24826000	exonic	SPATA13	13	24823614	24826000	3	0	0	2	0	0	2386	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr13:45985496-45986073	exonic	SLC25A30	13	45985496	45986073	3	0	0	2	0	0	577	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr13:79915257-79918929	exonic	RBM26	13	79915257	79918929	3	0	0	2	0	0	3672	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr14:78036727-78043258	exonic	SPTLC2	14	78036727	78043258	3	0	0	2	0	0	6531	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr15:35152242-35159810	exonic	AQR	15	35152242	35159810	3	0	0	2	0	0	7568	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr15:85185426-85186954	exonic	WDR73	15	85185426	85186954	3	0	0	2	0	0	1528	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr16:67070541-67116211	exonic	CBFB	16	67070541	67116211	3	0	0	2	0	0	45670	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr17:64125863-64179425	exonic	CEP112	17	64125863	64179425	3	0	0	2	0	0	53562	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr17:65941524-65962772	exonic	BPTF	17	65941524	65962772	3	0	0	2	0	0	21248	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr19:14153264-14153601	exonic	IL27RA	19	14153264	14153601	3	0	0	2	0	0	337	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr19:39943996-39944161	exonic	SUPT5H	19	39943996	39944161	3	0	0	2	0	0	165	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr19:49407603-49409142	exonic	NUCB1	19	49407603	49409142	3	0	0	2	0	0	1539	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr2:202010101-202019130	exonic	CFLAR	2	202010101	202019130	3	0	0	2	0	0	9029	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr2:202163961-202228896	exonic	ALS2CR12	2	202163961	202228896	3	0	0	2	0	0	64935	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr22:23641970-23645238	intronic	BCR	22	23641970	23645238	3	0	0	2	0	0	3268	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr3:108324181-108335504	exonic	DZIP3	3	108324181	108335504	3	0	0	2	0	0	11323	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr3:125216184-125223588	exonic	SNX4	3	125216184	125223588	3	0	0	2	0	0	7404	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA

chr3:171944660-171965566	exonic	FNDC3B	3	171944660	171965566	3	0	0	2	0	0	20906	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr5:37121718-37162668	exonic	C5orf42	5	37121718	37162668	3	0	0	0	0	0	40950	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr5:94224583-94259726	exonic	MCTP1	5	94224583	94259726	3	0	0	2	0	0	35143	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr6:110538904-110541072	exonic	CDC40	6	110538904	110541072	3	0	0	2	0	0	2168	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr6:136472297-136476896	exonic	PDE7B	6	136472297	136476896	3	0	0	2	0	0	4599	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr6:149953894-149959696	exonic	KATNA1	6	149953894	149959696	3	0	0	2	0	0	5802	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr7:77282988-77285143	intergenic	PTPN12 (dist=13600), APTX (dist=28025)	7	77282988	77285143	3	0	0	2	0	0	2155	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr8:8743322-8744572	intronic	MFHAS1	8	8743322	8744572	3	0	0	2	0	0	1250	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr9:123215733-123220900	exonic	CDK5RAP2	9	123215733	123220900	3	0	0	2	0	0	5167	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr9:138741982-138758382	exonic	CAMSAP1	9	138741982	138758382	3	0	0	2	0	0	16400	0.599583599	0.582555714	3.658748911	0.159222654	NA	NA
chr16:19627435-19628130	exonic	C16orf62	16	19627435	19628130	0	7	0	6	1	0	695	1.978826326	0.583421159	2.222880141	0.262461816	NA	NA
chr1:115267841-115280693	exonic	CSDE1	1	115267841	115280693	3	3	1	3	3	0	12852	1.789073672	0.584133725	1.876050049	0.311363615	0.755524211	0.998252924
chr11:309013-314356	exonic	IFITM1, IFITM2	11	309013	314356	147	83	96	203	109	0	5343	87.13699852	0.585691354	1.5184818	0.385708511	0.699712559	0.998252924
chr15:63845913-63855207	exonic	USP3	15	63845913	63855207	6	2	2	1	5	1	9294	2.536678409	0.586378367	1.598899246	0.366738785	0.713813873	0.998252924
chr17:78022381-78024082	exonic	CCDC40	17	78022381	78024082	3	10	0	13	0	0	1701	3.511766826	0.58865394	2.881190366	0.204309284	NA	NA
chr12:32751430-32754357	exonic	FGD4	12	32751430	32754357	0	2	5	3	2	1	2927	2.204104334	0.588738434	1.815896441	0.324213661	0.74577628	0.998252924
chrX:149962163-149984551	exonic	CD99L2	X	149962163	149984551	6	2	3	10	0	0	22388	2.777394183	0.588937645	1.772008812	0.332355935	NA	NA
chr11:3416943-3418636	ncRNA_intronic	TSSC2	11	3416943	3418636	2	3	4	9	0	0	1693	2.526679851	0.591119323	1.836178178	0.321929173	NA	NA
chr8:133634856-133673873	exonic	LRRC6	8	133634856	133673873	9	14	3	11	12	0	39017	6.814305047	0.592488182	1.179206974	0.502446301	0.615353617	0.998252924
chr1:52293467-52299842	exonic	NRDC	1	52293467	52299842	4	0	4	3	4	0	6375	2.108067716	0.594084901	1.906554542	0.311601314	0.755343535	0.998252924
chr18:76856475-76886375	exonic	ATP9B	18	76856475	76886375	4	0	4	3	4	0	29900	2.108067716	0.594084901	1.906554542	0.311601314	0.755343535	0.998252924
chr7:27668989-27672064	exonic	HIBADH	7	27668989	27672064	2	2	3	0	0	3	3075	2.122988387	0.595298651	2.013146753	0.295705541	NA	NA
chr9:140646782-140652463	exonic	EHMT1	9	140646782	140652463	3	4	4	5	5	0	5681	3.009834161	0.595516535	1.517564816	0.392415881	0.694750954	0.998252924
chr17:16042321-16047010	exonic	NCOR1	17	16042321	16047010	4	0	2	3	2	0	4689	1.471474821	0.596163656	2.180461747	0.273411655	0.784536794	0.998252924
chr3:16327849-16345099	exonic	OXNAD1	3	16327849	16345099	4	0	2	3	2	0	17250	1.471474821	0.596163656	2.180461747	0.273411655	0.784536794	0.998252924
chr3:197592294-197602646	exonic	LRCH3	3	197592294	197602646	13	4	9	8	4	5	10352	7.025048495	0.597014135	1.062889861	0.561689557	0.574327551	0.998252924
chr1:114377531-114397671	exonic	PTPN22	1	114377531	114397671	4	3	7	7	6	0	20140	3.890002574	0.597287577	1.396654732	0.427655858	0.668901692	0.998252924
chr6:71136141-71162274	exonic	FAM135A	6	71136141	71162274	0	0	4	0	4	0	26133	1.273185789	0.599086613	2.795787176	0.214281909	NA	NA
chr18:12999419-13042333	exonic	CEP192	18	12999419	13042333	0	2	3	3	2	0	42914	1.501347674	0.599111769	2.187326443	0.273901397	0.784160398	0.998252924
chr18:12999419-13049890	exonic	CEP192	18	12999419	13049890	0	2	3	3	2	0	50471	1.501347674	0.599111769	2.187326443	0.273901397	0.784160398	0.998252924
chr11:85714408-85742653	exonic	PICALM	11	85714408	85742653	14	8	4	5	6	5	28245	6.787914194	0.599442651	1.067551791	0.561511541	0.574448865	0.998252924
chr12:46622935-46637097	exonic	SLC38A1	12	46622935	46637097	13	14	10	8	20	2	14162	9.976858433	0.599965986	0.945905907	0.634276603	NA	NA
chr12:32760871-32764217	exonic	FGD4	12	32760871	32764217	4	4	3	8	2	0	3346	2.897403969	0.600169916	1.562758242	0.384045273	NA	NA
chr12:32760890-32764217	exonic	FGD4	12	32760890	32764217	4	4	3	8	2	0	3327	2.897403969	0.600169916	1.562758242	0.384045273	NA	NA
chr10:74468041-74475660	intronic	MCU	10	74468041	74475660	4	2	3	6	2	0	7619	2.3362296	0.600746107	1.690351615	0.355397127	0.722292101	0.998252924

chr12:51324272-51325277	UTR3	METTL7A(NM_014033:c.*339_*1344delins0)	12	51324272	51325277	13	0	5	10	5	0	1005	4.331426344	0.600770212	1.518372471	0.395667219	0.692350542	0.998252924
chr7:22347957-22357656	exonic	RAPGEF5	7	22347957	22357656	6	57	4	6	16	17	9699	19.31074172	0.60083884	1.048916324	0.572818658	NA	NA
chr3:196533449-196539722	exonic	PAK2	3	196533449	196539722	3	6	2	7	3	0	6273	2.934415635	0.601422318	1.56139937	0.385181607	0.70010287	0.998252924
chr8:132952745-132958880	exonic	EFR3A	8	132952745	132958880	0	4	0	4	0	0	6135	1.122348737	0.60146811	2.911671888	0.20657139	NA	NA
chr10:128768965-128824688	exonic	DOCK1	10	128768965	128824688	2	1	0	0	2	0	55723	0.674304528	0.602802661	3.211704671	0.187689318	0.851120204	0.998252924
chr16:50820765-50827575	exonic	CYLD	16	50820765	50827575	2	1	0	0	2	0	6810	0.674304528	0.602802661	3.211704671	0.187689318	0.851120204	0.998252924
chr2:97808376-97877478	exonic	ANKRD36	2	97808376	97877478	2	1	0	0	2	0	69102	0.674304528	0.602802661	3.211704671	0.187689318	0.851120204	0.998252924
chr3:169846471-169896726	exonic	PHC3	3	169846471	169896726	2	1	0	0	2	0	50255	0.674304528	0.602802661	3.211704671	0.187689318	0.851120204	0.998252924
chr8:17868745-17869336	exonic	PCM1	8	17868745	17869336	14	10	2	4	17	0	591	6.425824952	0.602909433	1.261890007	0.477782873	NA	NA
chr1:44386075-44386600	exonic	ST3GAL3	1	44386075	44386600	0	4	3	5	2	0	525	2.062522042	0.603024725	1.949880403	0.309262416	0.757121918	0.998252924
chr17:79660683-79661883	exonic	HGS	17	79660683	79661883	0	2	2	3	1	0	1200	1.183051226	0.603068181	2.413591927	0.249863357	0.802693021	0.998252924
chr5:54948356-54960691	exonic	SLC38A9	5	54948356	54960691	0	1	2	0	1	1	12335	0.998059881	0.603240754	2.644991454	0.228069075	0.819592541	0.998252924
chr11:120346048-120348235	exonic	ARHGEF12	11	120346048	120348235	4	0	1	3	1	0	2187	1.153178374	0.603404495	2.434848681	0.247820121	0.804273586	0.998252924
chr15:66727364-66729230	exonic	MAP2K1	15	66727364	66729230	4	0	0	1	0	1	1866	0.930477765	0.604178725	2.897291556	0.208532249	NA	NA
chr1:29481207-29481422	exonic	SRSF4	1	29481207	29481422	3	2	2	3	3	0	215	1.812066898	0.6047232	1.8497747	0.326917219	0.743730497	0.998252924
chr1:155891165-155891709	exonic	KIAA0907	1	155891165	155891709	3	0	1	1	2	0	544	0.932596083	0.608523894	2.631520488	0.231244217	0.817125081	0.998252924
chr5:78914470-78915906	exonic	PAPD4	5	78914470	78915906	3	0	2	0	4	0	1436	1.265608567	0.608701603	2.534213715	0.240193477	NA	NA
chr2:215609790-215661841	exonic	BARD1	2	215609790	215661841	0	1	2	3	0	0	52051	0.887748006	0.609072612	2.914534585	0.208977658	0.83446568	0.998252924
chr5:137278563-137278905	exonic	FAM13B	5	137278563	137278905	0	1	2	3	0	0	342	0.887748006	0.609072612	2.914534585	0.208977658	0.83446568	0.998252924
chr6:82933784-82941559	exonic	IBTK	6	82933784	82941559	0	1	2	3	0	0	7775	0.887748006	0.609072612	2.914534585	0.208977658	0.83446568	0.998252924
chr9:125616230-125621381	exonic	RC3H2	9	125616230	125621381	0	1	2	3	0	0	5151	0.887748006	0.609072612	2.914534585	0.208977658	0.83446568	0.998252924
chr17:1540002-1540356	exonic	SCARF1	17	1540002	1540356	5	12	9	13	5	3	354	7.423506475	0.609451387	1.044102165	0.583708575	NA	NA
chr3:171851260-171944737	exonic	FNDC3B	3	171851260	171944737	2	4	1	2	4	0	93477	1.849078565	0.609877584	1.880308095	0.324349815	0.745673209	0.998252924
chr2:208841374-208842310	exonic	PLEKHM3	2	208841374	208842310	12	15	6	18	5	3	936	8.788992321	0.610081682	0.985268218	0.619203655	NA	NA
chrX:76907603-76920267	exonic	ATRX	X	76907603	76920267	0	5	0	5	0	0	12664	1.402935921	0.610895463	2.69197488	0.226932081	NA	NA
chr3:188933080-188956698	exonic	TPRG1	3	188933080	188956698	3	2	0	2	0	1	23618	1.256353806	0.612347235	2.36992068	0.258383009	0.796111329	0.998252924
chr5:113740134-113740553	exonic	KCNN2	5	113740134	113740553	3	2	0	2	0	1	419	1.256353806	0.612347235	2.36992068	0.258383009	0.796111329	0.998252924
chr6:76412360-76421132	exonic	SENP6	6	76412360	76421132	6	3	5	5	5	1	8772	3.728006825	0.612470965	1.320484263	0.463822994	0.642774567	0.998252924
chr6:34574331-34574681	exonic	C6orf106	6	34574331	34574681	0	0	3	2	1	0	350	0.925457269	0.613730007	2.876341788	0.213371724	NA	NA
chr10:111883774-111890244	exonic	ADD3	10	111883774	111890244	3	4	3	6	3	0	6470	2.676821677	0.614180896	1.591503381	0.385912404	0.699561544	0.998252924
chr9:134034769-134039531	exonic	NUP214	9	134034769	134039531	1	5	0	0	1	2	4762	1.737830578	0.614729156	2.19237281	0.280394444	NA	NA
chr5:87516380-87541609	exonic	TMEM161B	5	87516380	87541609	7	3	0	6	2	0	25229	2.305659151	0.614868545	1.856797395	0.331144662	0.740535218	0.998252924
chr17:45992677-45994496	exonic	SP2	17	45992677	45994496	4	4	0	7	0	0	1819	1.957230663	0.61487918	2.161896502	0.284416566	NA	NA
chr8:133734285-133769540	exonic	TMEM71	8	133734285	133769540	4	1	0	4	0	0	35255	1.115469111	0.615488	2.665997376	0.230865944	0.817418949	0.998252924
chr19:5604593-5604947	exonic	SAFB2	19	5604593	5604947	22	17	8	26	15	0	354	11.95806087	0.617129439	0.992144998	0.622015371	0.533931761	0.998252924

chr16:88664585-88675459	exonic	ZC3H18	16	88664585	88675459	1	0	3	4	0	0	10874	1.14603956	0.622284821	2.659955742	0.233945554	NA	NA
chr11:8435041-8486369	exonic	STK33	11	8435041	8486369	6	5	2	7	4	0	51328	3.268128086	0.62374925	1.477650331	0.422122363	0.672935706	0.998252924
chr11:8435041-8496363	exonic	STK33	11	8435041	8496363	6	5	2	7	4	0	61322	3.268128086	0.62374925	1.477650331	0.422122363	0.672935706	0.998252924
chr9:86292641-86293514	exonic	UBQLN1	9	86292641	86293514	14	9	3	16	6	0	873	6.39325316	0.623795573	1.202250184	0.518856708	0.603860669	0.998252924
chr8:62546241-62566219	exonic	ASPH	8	62546241	62566219	3	7	0	0	4	2	19978	2.707438327	0.62555485	1.824726553	0.342821147	0.731733016	0.998252924
chr1:51171457-51210447	exonic	FAF1	1	51171457	51210447	0	2	1	1	0	1	38990	0.960350618	0.626102188	2.67447377	0.234102946	0.814905059	0.998252924
chr6:79752559-79770535	exonic	PHIP	6	79752559	79770535	2	5	2	4	0	2	17976	2.56557369	0.627922594	1.700453808	0.369267658	NA	NA
chr11:85722072-85742653	exonic	PICALM	11	85722072	85742653	9	1	7	6	6	1	20581	6.074393417	0.628383781	1.1376901	0.552332996	0.580720228	0.998252924
chr10:126631026-126631876	exonic	ZRANB1	10	126631026	126631876	10	2	4	7	6	0	850	3.897841355	0.629439752	1.401318955	0.449176649	0.653304231	0.998252924
chr19:19750893-19751380	exonic	GMIP	19	19750893	19751380	6	7	2	10	1	1	487	3.880750183	0.630452476	1.39342525	0.452448006	0.65094627	0.998252924
chr4:1219147-1235307	exonic	CTBP1	4	1219147	1235307	24	5	4	23	4	0	16160	7.68541327	0.632856191	1.214711446	0.520993025	NA	NA
chr15:57523349-57526305	exonic	TCF12	15	57523349	57526305	0	2	3	4	1	0	2956	1.486631637	0.632980241	2.222602784	0.284792337	0.775803243	0.998252924
chr1:9327090-9328096	UTR3		1	9327090	9328096	11	4	5	4	4	4	1006	5.244534358	0.634439379	1.174993055	0.539951599	0.589230412	0.998252924
chr3:195415404-195416309	ncRNA_exonic	LINC00969, SDHAP2	3	195415404	195416309	16	8	24	30	15	0	905	13.19720697	0.636057972	1.010573487	0.629402988	0.529085263	0.998252924
chr7:618892-647089	exonic	PRKAR1B	7	618892	647089	0	7	0	0	4	1	28197	2.01225889	0.637199551	2.234852631	0.28511927	NA	NA
chr1:66378927-66384518	exonic	PDE4B	1	66378927	66384518	5	4	1	3	5	0	5591	2.4633782	0.637709892	1.670777186	0.381684582	0.702695338	0.998252924
chr15:44620882-44630515	exonic	CASC4	15	44620882	44630515	2	2	2	2	4	0	9633	3.047545795	0.639719664	1.512118762	0.423061786	0.672250183	0.998252924
chr8:92998351-93088365	exonic	RUNX1T1	8	92998351	93088365	3	2	0	3	1	0	90014	1.175474004	0.640496672	2.392967173	0.287657943	0.788962625	0.998252924
chr7:140402665-140404763	exonic	NDUFB2	7	140402665	140404763	0	1	3	3	1	0	2098	1.206044453	0.640862028	2.420996112	0.264710061	0.791232826	0.998252924
chr1:24840803-24841057	exonic	RCAN3	1	24840803	24841057	18	5	2	9	4	3	254	5.953249996	0.641202774	1.161431476	0.552079729	0.58089373	0.998252924
chr6:157357969-157431695	exonic	ARID1B	6	157357969	157431695	2	7	0	6	2	0	73726	2.357827634	0.642424955	1.877742749	0.342126181	NA	NA
chr3:18419661-18462483	exonic	SATB1	3	18419661	18462483	5	6	3	7	5	0	42822	3.63171339	0.6438121	1.411354736	0.456166039	0.648270584	0.998252924
chr3:18427890-18462483	exonic	SATB1	3	18427890	18462483	5	6	3	7	5	0	34593	3.63171339	0.6438121	1.411354736	0.456166039	0.648270584	0.998252924
chr3:47762155-47787483	exonic	SMARCC1	3	47762155	47787483	5	1	3	0	1	3	25328	2.456700838	0.644422457	1.799304719	0.358150818	NA	NA
chr10:128768965-128798571	exonic	DOCK1	10	128768965	128798571	26	6	3	14	13	0	29606	8.052838259	0.644491719	1.158111926	0.5565021	NA	NA
chr4:91229394-91234198	exonic	CCSER1	4	91229394	91234198	5	2	2	1	6	0	4804	2.220500279	0.644756127	1.77066419	0.364132358	NA	NA
chr2:85595808-85598685	exonic	ELMOD3	2	85595808	85598685	2	6	0	5	2	0	2877	2.077240449	0.644843045	1.94915634	0.330831874	0.740771483	0.998252924
chr12:94562928-94580249	exonic	PLXNC1	12	94562928	94580249	4	11	18	13	16	1	17321	9.610529385	0.64498463	1.043047573	0.618365496	0.536334437	0.998252924
chr4:88116475-88116842	exonic	KLHL8	4	88116475	88116842	18	13	16	16	18	3	367	12.54778635	0.645039954	0.839910681	0.767986369	0.442495283	0.998252924
chr22:46085591-46136418	exonic	ATXN10	22	46085591	46136418	2	5	0	4	0	1	50827	1.86281703	0.645603868	2.068503443	0.312111575	0.75495573	0.998252924
chr9:98740342-98766983	exonic	ERCC6L2	9	98740342	98766983	3	5	11	3	10	2	26641	5.573944696	0.646147805	1.212378984	0.532958599	0.594062239	0.998252924
chr20:34317233-34320057	exonic	RBM39	20	34317233	34320057	7	10	10	10	14	0	2824	7.375854602	0.646532858	1.123708183	0.575356545	0.565050187	0.998252924
chr1:11150610-11151654	exonic	EXOSC10	1	11150610	11151654	2	0	0	0	1	0	1044	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr1:176524542-176526377	exonic	PAPPA2	1	176524542	176526377	2	0	0	0	1	0	1835	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr1:51005263-51061888	exonic	FAF1	1	51005263	51061888	2	0	0	0	1	0	56625	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924

chr1:70736538-70766591	exonic	ANKRD13C	1	70736538	70766591	2	0	0	0	1	0	30053	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr10:104122231-104125356	exonic	GBF1	10	104122231	104125356	2	0	0	0	1	0	3125	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr10:35302626-35317815	exonic	CUL2	10	35302626	35317815	0	0	0	0	3	3	15189	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr11:108129712-108138069	exonic	ATM	11	108129712	108138069	2	0	0	0	1	0	8357	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr11:120291461-120348235	exonic	ARHGEF12	11	120291461	120348235	2	0	0	0	1	0	56774	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr11:33127112-33127610	exonic	CSTF3	11	33127112	33127610	2	0	0	0	1	0	498	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr11:46817143-46831424	exonic	CKAP5	11	46817143	46831424	2	0	0	0	1	0	14281	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr12:133438052-133447369	exonic	CHFR	12	133438052	133447369	2	0	0	0	1	0	9317	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr12:69044179-69048032	exonic	RAP1B	12	69044179	69048032	2	0	0	0	1	0	3853	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr12:69260675-69279669	exonic	CPM	12	69260675	69279669	2	0	0	0	1	0	18994	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr12:93192667-93202932	exonic	EEA1	12	93192667	93202932	2	0	0	0	1	0	10265	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr14:36064839-36133973	exonic	RALGAPA1	14	36064839	36133973	2	0	0	0	1	0	69134	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr14:60582436-60592541	exonic	PCNXL4	14	60582436	60592541	2	0	0	0	1	0	10105	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr15:44615162-44673174	exonic	CASC4	15	44615162	44673174	2	0	0	0	1	0	58012	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr15:65218264-65223783	exonic	ANKDD1A	15	65218264	65223783	2	0	0	0	1	0	5519	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr15:65261591-65275931	exonic	SPG21	15	65261591	65275931	2	0	0	0	1	0	14340	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr15:77577299-77578846	UTR5	<small>PEAK1 (NM_024776:c.-104376_-104578delins0)</small>	15	77577299	77578846	2	0	0	0	1	0	1547	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr16:2312278-2314332	exonic	RNPS1	16	2312278	2314332	2	0	0	0	1	0	2054	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr16:78458766-78466649	exonic	WFOX	16	78458766	78466649	2	0	0	0	1	0	7883	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr17:44143902-44145033	exonic	KANSL1	17	44143902	44145033	2	0	0	0	1	0	1131	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr17:62515438-62519013	exonic	CEP95	17	62515438	62519013	2	0	0	0	1	0	3575	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr18:48444479-48458730	exonic	ME2	18	48444479	48458730	2	0	0	0	1	0	14251	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr2:17860125-17927218	exonic	SMC6	2	17860125	17927218	2	0	0	0	1	0	67093	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr2:201194153-201284219	exonic	SPATS2L	2	201194153	201284219	2	0	0	0	1	0	90066	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr2:204354306-204356042	exonic	RAPH1	2	204354306	204356042	2	0	0	0	1	0	1736	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr2:24080284-24111269	exonic	ATAD2B	2	24080284	24111269	2	0	0	0	1	0	30985	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr2:43798845-43802166	exonic	THADA	2	43798845	43802166	2	0	0	0	1	0	3321	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr20:3944521-3955047	exonic	RNF24	20	3944521	3955047	2	0	0	0	1	0	10526	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr21:37713696-37717329	exonic	MORC3	21	37713696	37717329	2	0	0	0	1	0	3633	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr22:31491288-31493324	exonic	SMTN	22	31491288	31493324	2	0	0	0	1	0	2036	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr3:113114596-113135474	exonic	CFAP44	3	113114596	113135474	2	0	0	0	1	0	20878	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr3:155615715-155624052	exonic	GMPS	3	155615715	155624052	2	0	0	0	1	0	8337	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr3:195395389-195404719	ncRNA_exonic	SDHAP2	3	195395389	195404719	2	0	0	0	1	0	9330	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr3:196842797-196846401	exonic	DLG1	3	196842797	196846401	2	0	0	0	1	0	3604	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr4:121698342-121742500	exonic	PRDM5	4	121698342	121742500	2	0	0	0	1	0	44158	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924

chr6:32088547-32094029	exonic	ATF6B	6	32088547	32094029	2	0	0	0	1	0	5482	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr6:43501643-43519190	exonic	XPO5	6	43501643	43519190	2	0	0	0	1	0	17547	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr7:40037092-40102699	exonic	CDK13	7	40037092	40102699	2	0	0	0	1	0	65607	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr7:66482839-66483130	exonic	TYW1	7	66482839	66483130	2	0	0	0	1	0	291	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr7:6776706-6785819	ncRNA_exonic	PMS2CL	7	6776706	6785819	2	0	0	0	1	0	9113	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr8:101936182-101937267	exonic	YWHAZ	8	101936182	101937267	2	0	0	0	1	0	1085	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr8:16001066-16021760	exonic	MSR1	8	16001066	16021760	2	0	0	0	1	0	20694	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr8:59513843-59515945	exonic	NSMAF	8	59513843	59515945	2	0	0	0	1	0	2102	0.379001307	0.646803485	4.05604246	0.159466645	0.873301235	0.998252924
chr2:24357988-24369956	exonic	FAM228B	2	24357988	24369956	13	15	24	19	13	7	11968	14.77622692	0.649176422	0.815725244	0.795827305	0.426132419	0.998252924
chr2:85595808-85596953	exonic	ELMOD3	2	85595808	85596953	0	6	2	8	0	0	1145	2.290683927	0.649301922	2.097094681	0.309619746	0.756850139	0.998252924
chr8:141810557-141889736	exonic	PTK2	8	141810557	141889736	2	5	0	4	2	0	79179	1.796653265	0.649502464	2.041153556	0.318203627	0.750330482	0.998252924
chr16:11114049-11220003	exonic	CLEC16A	16	11114049	11220003	13	13	6	16	7	2	105954	8.29064113	0.650376528	0.987644869	0.658512537	0.510208844	0.998252924
chr2:29344240-29404563	exonic	CLIP4	2	29344240	29404563	0	4	2	6	0	0	60323	1.729509558	0.650877718	2.284400898	0.284922272	0.775703349	0.998252924
chr14:73614502-73614814	exonic	PSEN1	14	73614502	73614814	0	1	0	2	0	0	312	0.880170783	0.650878034	2.90005597	0.22443637	0.822417774	0.998252924
chr16:81929411-81942196	exonic	PLCG2	16	81929411	81942196	3	1	0	3	0	0	12785	0.880170783	0.650878034	2.90005597	0.22443637	0.822417774	0.998252924
chr2:242283166-242287606	exonic		2	242283166	242287606	3	1	5	4	3	0	4440	0.880170783	0.650878034	2.90005597	0.22443637	0.822417774	0.998252924
chr21:45472160-45483666	exonic	TRAPPC10	21	45472160	45483666	3	1	0	3	0	0	11506	0.880170783	0.650878034	2.90005597	0.22443637	0.822417774	0.998252924
chr6:168271062-168303066	exonic	MLLT4	6	168271062	168303066	3	1	0	3	0	0	32004	0.880170783	0.650878034	2.90005597	0.22443637	0.822417774	0.998252924
chr6:47541799-47549801	exonic	CD2AP	6	47541799	47549801	0	8	2	10	0	0	8002	2.851858295	0.650892544	1.977952508	0.329073899	NA	NA
chr14:58785259-58796887	exonic	ARID4A	14	58785259	58796887	2	6	5	8	4	0	11628	3.624574576	0.650893513	1.453755484	0.447732456	0.654346295	0.998252924
chr1:74701785-74737392	exonic	FPGT-TNNI3K, TNNI3K	1	74701785	74737392	2	0	0	0	0	1	35607	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr10:12154898-12162266	exonic	DHTKD1	10	12154898	12162266	2	0	0	0	0	1	7368	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr11:76670022-76709865	exonic	ACER3	11	76670022	76709865	2	0	0	0	0	1	39843	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr12:110456149-110468563	exonic	ANKRD13A	12	110456149	110468563	2	0	0	0	0	1	12414	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr12:116675272-116675510	exonic	MED13L	12	116675272	116675510	2	0	0	0	0	1	238	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr13:33010497-33095586	exonic	N4BP2L2	13	33010497	33095586	2	0	0	0	0	1	85089	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr14:52977957-53011089	exonic	TXNDC16	14	52977957	53011089	2	0	0	0	0	1	33132	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr17:36933939-36943173	exonic	PIP4K2B	17	36933939	36943173	2	0	0	0	0	1	9234	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr17:3725246-3729509	exonic	NCBP3	17	3725246	3729509	2	0	0	0	0	1	4263	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr17:63739185-63746842	exonic	CEP112	17	63739185	63746842	2	0	0	0	0	1	7657	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr19:15378226-15383944	exonic	BRD4	19	15378226	15383944	2	0	0	0	0	1	5718	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr2:240048151-240078469	exonic	HDAC4	2	240048151	240078469	2	0	0	0	0	1	30318	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr2:24080284-24092631	exonic	ATAD2B	2	24080284	24092631	2	0	0	0	0	1	12347	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr20:13509079-13550233	exonic	TASP1	20	13509079	13550233	2	0	0	0	0	1	41154	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr20:33001547-33037285	exonic	ITCH	20	33001547	33037285	2	0	0	0	0	1	35738	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA

chr4:13578461-13589395	exonic	BOD1L1	4	13578461	13589395	2	0	0	0	0	1	10934	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr6:118801033-118805021	exonic	CEP85L	6	118801033	118805021	2	0	0	0	0	1	3988	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr6:135621637-135716034	exonic	AHI1	6	135621637	135716034	2	0	0	0	0	1	94397	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr7:102398300-102427916	exonic	FAM185A	7	102398300	102427916	2	0	0	0	0	1	29616	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr8:27987018-28019595	exonic	ELP3	8	27987018	28019595	2	0	0	0	0	1	32577	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr9:114676884-114688776	exonic	UGCG	9	114676884	114688776	2	0	0	0	0	1	11892	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr9:74331432-74340625	exonic	TMEM2	9	74331432	74340625	2	0	0	0	0	1	9193	0.566192494	0.652107934	3.827275414	0.170384376	NA	NA
chr2:48065997-48066908	exonic	FBXO11	2	48065997	48066908	4	0	1	4	0	0	911	1.138462337	0.652768858	2.649550033	0.246369704	0.805396056	0.998252924
chr17:53478829-53481229	exonic	MMD	17	53478829	53481229	1	0	4	5	0	0	2400	1.449619971	0.65441429	2.452284916	0.266858996	NA	NA
chr2:40655612-40657444	exonic	SLC8A1	2	40655612	40657444	48	28	49	67	32	6	1832	33.58232983	0.654845791	0.702650348	0.931965368	0.351354423	0.998252924
chr2:24357988-24362320	exonic	FAM228B	2	24357988	24362320	2	2	1	0	2	1	4332	1.354067962	0.654929188	2.168146589	0.302068685	0.762599704	0.998252924
chr19:3425103-3435205	exonic	NFIC	19	3425103	3435205	2	2	0	1	2	0	10102	0.954891712	0.655778351	2.592764703	0.252926288	0.800325175	0.998252924
chr2:210962809-211019335	exonic	KANSL1L	2	210962809	211019335	1	3	0	1	3	0	56526	0.954891712	0.655778351	2.592764703	0.252926288	0.800325175	0.998252924
chr1:155740858-155743001	exonic	GON4L	1	155740858	155743001	0	0	4	2	2	0	2143	1.243753716	0.656083564	2.573293345	0.254958715	NA	NA
chr12:26703179-26755639	exonic	ITPR2	12	26703179	26755639	0	0	4	2	2	0	52460	1.243753716	0.656083564	2.573293345	0.254958715	NA	NA
chr2:42946127-42950175	exonic	MTA3	2	42946127	42950175	0	0	4	2	2	0	4048	1.243753716	0.656083564	2.573293345	0.254958715	NA	NA
chr22:21288066-21288532	exonic	CRKL	22	21288066	21288532	10	10	13	21	9	0	466	8.918910635	0.657301701	1.071562882	0.613404693	0.539608784	0.998252924
chr8:18725183-18730243	exonic	PSD3	8	18725183	18730243	2	4	0	3	2	0	5060	1.516066081	0.65787938	2.163968185	0.304015273	0.761116255	0.998252924
chr19:17273159-17273932	exonic	MYO9B	19	17273159	17273932	2	4	1	4	2	0	773	1.819646492	0.65828675	1.887330972	0.348792427	0.727245149	0.998252924
chr9:20923658-20933102	exonic	FOCAD	9	20923658	20933102	2	1	1	3	1	0	9444	1.27318816	0.658828294	2.17813244	0.302473937	0.762290799	0.998252924
chr7:72301271-72304508	ncRNA_exonic	SBDSP1	7	72301271	72304508	9	0	0	0	6	0	3237	1.887047016	0.660302063	3.829321274	0.172433185	NA	NA
chr4:123848788-123859404	exonic	SPATA5	4	123848788	123859404	2	1	0	1	1	0	10616	0.659588492	0.661259096	2.998644895	0.220519308	0.825466737	0.998252924
chr5:6622128-6625782	exonic	NSUN2	5	6622128	6625782	2	1	0	1	1	0	3654	0.659588492	0.661259096	2.998644895	0.220519308	0.825466737	0.998252924
chr6:89554075-89614674	exonic	RNGTT	6	89554075	89614674	2	1	0	1	1	0	60599	0.659588492	0.661259096	2.998644895	0.220519308	0.825466737	0.998252924
chr1:21548239-21554534	exonic	ECE1	1	21548239	21554534	0	2	2	4	0	0	6295	1.16833519	0.66187157	2.624741803	0.252166354	NA	NA
chr3:9495422-9506356	exonic	SETD5	3	9495422	9506356	0	2	2	4	0	0	10934	1.16833519	0.66187157	2.624741803	0.252166354	NA	NA
chr4:36212011-36231267	exonic	ARAP2	4	36212011	36231267	0	2	2	4	0	0	19256	1.16833519	0.66187157	2.624741803	0.252166354	NA	NA
chrX:62875373-62898452	exonic	ARHGEF9	X	62875373	62898452	2	0	1	0	2	0	23079	0.697297755	0.662527953	3.174728002	0.2086881	0.834691731	0.998252924
chr11:130130750-130131824	exonic	ZBTB44	11	130130750	130131824	23	9	25	33	18	0	1074	15.15367682	0.66710044	0.973527091	0.685240756	0.493192009	0.998252924
chr12:28458581-28460682	exonic	CCDC91	12	28458581	28460682	11	8	3	3	10	2	2101	5.550515431	0.667226607	1.169578111	0.570484862	0.568348886	0.998252924
chr4:75937634-75938360	exonic	PARM1	4	75937634	75938360	2	1	2	0	4	0	726	1.310897423	0.667529834	2.326059393	0.286978843	NA	NA
chr17:62515438-62530855	exonic	CEP95	17	62515438	62530855	3	0	2	2	2	0	15417	1.236176493	0.669027114	2.336399457	0.286349627	0.774610351	0.998252924
chr1:113196219-113202401	exonic	CAPZA1	1	113196219	113202401	5	3	5	6	3	1	6182	3.463276424	0.669498913	1.367492023	0.489581586	0.62443001	0.998252924
chr16:30495147-30495584	exonic	ITGAL	16	30495147	30495584	21	19	24	30	22	2	437	17.22280465	0.671457911	0.813657245	0.825234354	0.409238553	0.998252924
chr10:15614209-15639298	exonic	ITGA8	10	15614209	15639298	0	0	0	6	0	0	25089	0.910741232	0.671779617	3.142642962	0.213762628	NA	NA

chr10:31644076-31676195	intronic	ZEB1	10	31644076	31676195	0	0	3	3	0	0	32119	0.910741232	0.671779617	3.142642962	0.213762628	NA	NA
chr10:31661947-31676727	intronic	ZEB1	10	31661947	31676727	0	0	3	3	0	0	14780	0.910741232	0.671779617	3.142642962	0.213762628	NA	NA
chr16:396147-397106	exonic	AXIN1	16	396147	397106	0	0	3	3	0	0	959	0.910741232	0.671779617	3.142642962	0.213762628	NA	NA
chr3:67800277-67801084	ncRNA_intronic	SUCLG2-AS1	3	67800277	67801084	0	0	3	3	0	0	807	0.910741232	0.671779617	3.142642962	0.213762628	NA	NA
chr17:11998891-12016677	exonic	MAP2K4	17	11998891	12016677	1	5	2	3	2	1	17786	2.264111597	0.672460571	1.67563836	0.401316052	0.688187447	0.998252924
chr1:28362054-28374937	exonic	EYA3	1	28362054	28374937	2	3	0	2	2	0	12883	1.235478897	0.672853228	2.337002298	0.287912951	0.773413373	0.998252924
chr4:9642695-9643055	intergenic	<small>MIR54812(dist=84758), DRD5(dist=140203)</small>	4	9642695	9643055	4	0	2	5	0	0	360	1.442042748	0.673479425	2.410893904	0.279348429	NA	NA
chr6:136709530-136710655	exonic	MAP7	6	136709530	136710655	4	4	3	3	6	0	1125	2.84995673	0.673993515	1.55451211	0.43357238	0.664598995	0.998252924
chr7:7826419-7841374	exonic	UMAD1	7	7826419	7841374	4	4	3	3	6	0	14955	2.84995673	0.673993515	1.55451211	0.43357238	0.664598995	0.998252924
chr4:1902352-1936989	exonic	WHSC1	4	1902352	1936989	0	7	1	2	3	1	34637	2.301123264	0.674103161	1.827982434	0.368768949	NA	NA
chr1:21599191-21616649	exonic	ECE1	1	21599191	21616649	3	3	0	5	0	0	17458	1.441345151	0.675462669	2.403149126	0.281073972	NA	NA
chr4:146767107-146770713	exonic	ZNF827	4	146767107	146770713	2	9	2	3	4	2	3606	3.640475189	0.676023553	1.402892212	0.48187847	NA	NA
chr15:76146726-76175765	exonic	UBE2Q2	15	76146726	76175765	6	1	2	4	3	1	29039	2.463098226	0.680431742	1.722275537	0.395077168	0.692785938	0.998252924
chr7:44714009-44714867	exonic	OGDH	7	44714009	44714867	2	2	4	4	3	0	858	2.183929392	0.681875633	1.740198925	0.391837751	0.6951781	0.998252924
chr9:131071113-131071550	UTR3	<small>TRUB2(NM_015679:c. #433_#279del:ins0)</small>	9	131071113	131071550	0	5	0	0	0	2	437	1.487816213	0.68188573	2.695882891	0.252935961	NA	NA
chr3:149563797-149589941	exonic	RNF13	3	149563797	149589941	0	5	6	1	9	0	26144	3.25055133	0.682197388	1.748777689	0.390099549	NA	NA
chr18:76886266-76936907	exonic	ATP9B	18	76886266	76936907	3	0	2	2	0	1	50641	1.302340258	0.68234102	2.346869746	0.29074516	0.77124623	0.998252924
chr21:40578033-40601362	exonic	BRWD1	21	40578033	40601362	1	6	3	6	1	1	23329	2.833563155	0.68431627	1.581073135	0.432817594	0.665147291	0.998252924
chr2:96517441-96525822	exonic	ANKRD36C	2	96517441	96525822	1	6	7	2	0	5	8381	4.30924073	0.684955444	1.538023281	0.445347903	NA	NA
chr10:13169745-13178897	exonic	OPTN	10	13169745	13178897	5	5	5	10	3	0	9152	3.928854954	0.688426281	1.39098668	0.494919391	0.620657022	0.998252924
chr22:41277773-41278181	exonic	XPNPEP3	22	41277773	41278181	3	2	1	5	0	0	408	1.464338378	0.691149388	2.218747863	0.311504249	NA	NA
chr13:28830428-28855516	exonic	PAN3	13	28830428	28855516	3	2	0	4	0	0	25088	1.160757967	0.691156874	2.605899223	0.265227783	NA	NA
chr16:4029117-4033441	exonic	ADCY9	16	4029117	4033441	3	2	0	4	0	0	4324	1.160757967	0.691156874	2.605899223	0.265227783	NA	NA
chr3:13170805-13171025	intergenic	<small>IQSEC1(dist=56188), NUP210(dist=186705)</small>	3	13170805	13171025	3	2	0	4	0	0	220	1.160757967	0.691156874	2.605899223	0.265227783	NA	NA
chr18:76886266-76967012	exonic	ATP9B	18	76886266	76967012	5	5	1	1	0	2	80746	0.977884939	0.691182365	2.414050226	0.286316481	0.774635736	0.998252924
chr6:117019866-117026323	exonic	KPNA5	6	117019866	117026323	13	11	5	7	16	0	6457	7.260827618	0.691710855	1.141650526	0.605886687	0.54459	0.998252924
chr12:121853961-121855714	exonic	RNF34	12	121853961	121855714	6	2	1	6	1	0	1753	2.078638013	0.693358603	1.831129753	0.378650722	NA	NA
chr6:74175931-74176329	exonic	MTO1	6	74175931	74176329	2	2	2	3	2	0	398	1.562052534	0.694295065	1.974113166	0.351699729	0.725063464	0.998252924
chr17:74308950-74309972	exonic	PRPSAP1	17	74308950	74309972	0	5	4	2	2	2	1022	2.731569929	0.695520337	1.684523914	0.412888372	NA	NA
chr11:85718584-85742653	exonic	PICALM	11	85718584	85742653	14	8	4	5	6	5	24069	6.248669216	0.695755351	1.105711587	0.629237641	0.529193489	0.998252924
chr12:6619445-6619698	ncRNA_exonic	SCARNA10	12	6619445	6619698	6	4	7	4	10	0	253	4.48742779	0.696079166	1.334093082	0.521762069	0.601836003	0.998252924
chr1:59137541-59150923	exonic	MYSM1	1	59137541	59150923	2	2	0	2	1	0	13382	0.940175676	0.696330992	2.604801088	0.267325976	0.789218189	0.998252924
chr15:96826060-96834012	ncRNA_exonic	NR2F2-AS1	15	96826060	96834012	2	2	0	2	1	0	7952	0.940175676	0.696330992	2.604801088	0.267325976	0.789218189	0.998252924
chr16:5077135-5078186	exonic	NAGPA	16	5077135	5078186	3	0	1	3	0	0	1051	0.903164009	0.696697696	2.875865806	0.242256678	0.80858128	0.998252924
chr17:46189392-46190763	exonic	SNX11	17	46189392	46190763	0	0	6	4	2	0	1371	1.850914537	0.697198381	2.245277504	0.310517689	NA	NA

chr14:32559707-32586493	exonic	ARHGAP5	14	32559707	32586493	10	31	8	13	22	3	26786	13.23987852	0.697374674	0.918462305	0.759285025	NA	NA
chr1:225268080-225284941	exonic	DNAH14	1	225268080	225284941	3	5	0	0	2	2	16861	2.116831885	0.69850888	1.98206806	0.352414175	0.724527673	0.998252924
chr1:23356961-23370979	exonic	KDM1A	1	23356961	23370979	1	3	3	2	4	0	14018	1.940353874	0.699093994	1.852752346	0.377327275	0.705930405	0.998252924
chr2:110919179-110920712	exonic	NPHP1	2	110919179	110920712	9	1	3	7	1	1	1533	3.100391087	0.699338588	1.526838427	0.458030513	0.64693052	0.998252924
chr9:99083279-99086451	exonic	SLC35D2	9	99083279	99086451	3	2	2	6	0	0	3172	1.767918788	0.699345184	2.057067039	0.339971994	NA	NA
chr17:60106901-60112969	exonic	MED13	17	60106901	60112969	5	2	1	3	3	0	6068	1.872771758	0.701245078	1.851817718	0.378679322	0.70492601	0.998252924
chr1:118420630-118463047	exonic	GDAP2	1	118420630	118463047	2	0	0	2	0	0	42417	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr1:236175220-236212289	exonic	NID1	1	236175220	236212289	2	0	0	1	0	0	37069	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr1:47745912-47748131	exonic	STIL	1	47745912	47748131	2	0	0	1	0	0	2219	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr10:103783233-103799882	exonic	C10orf76	10	103783233	103799882	2	0	0	1	0	0	16649	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr10:15151700-15172311	exonic	NMT2	10	15151700	15172311	2	0	0	1	0	0	20611	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr10:71244896-71258152	exonic	TSPAN15	10	71244896	71258152	2	0	0	1	0	0	13256	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr11:113933932-114057760	exonic	ZBTB16	11	113933932	114057760	2	0	0	1	0	0	123828	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr11:123988203-123989796	exonic	VWA5A	11	123988203	123989796	2	0	0	1	0	0	1593	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr11:244040-250865	exonic	PSMD13	11	244040	250865	2	0	0	1	0	0	6825	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr11:47493742-47510576	exonic	CELF1	11	47493742	47510576	2	0	0	1	0	0	16834	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr11:74982768-74983938	exonic	ARRB1	11	74982768	74983938	2	0	0	1	0	0	1170	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr12:110456943-110468563	exonic	ANKRD13A	12	110456943	110468563	2	0	0	1	0	0	11620	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr12:110820647-110834257	exonic	ANAPC7	12	110820647	110834257	2	0	0	1	0	0	13610	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr12:19626181-19646920	exonic	AEBP2	12	19626181	19646920	2	0	0	1	0	0	20739	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr12:56651168-56651611	splicing	ANKRD52	12	56651168	56651611	2	0	0	1	0	0	443	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr12:70149163-70150443	exonic	RAB3IP	12	70149163	70150443	2	0	0	1	0	0	1280	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr12:94972169-94976314	exonic	TMCC3	12	94972169	94976314	2	0	0	1	0	0	4145	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr13:42385360-42465723	exonic	VWA8	13	42385360	42465723	2	0	0	1	0	0	80363	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr13:50054354-50059859	exonic	SETDB2	13	50054354	50059859	2	0	0	1	0	0	5505	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr14:36064839-36125121	exonic	RALGAPA1	14	36064839	36125121	2	0	0	1	0	0	60282	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr14:76248829-76249873	exonic	TTLL5	14	76248829	76249873	2	0	0	1	0	0	1044	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr14:88945263-88946696	exonic	PTPN21	14	88945263	88946696	2	0	0	1	0	0	1433	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr15:44859621-44861703	exonic	SPG11	15	44859621	44861703	2	0	0	1	0	0	2082	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr15:51017417-51018574	exonic	SPPL2A	15	51017417	51018574	2	0	0	1	0	0	1157	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr15:93480747-93499879	exonic	CHD2	15	93480747	93499879	2	0	0	1	0	0	19132	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr15:93543741-93547981	exonic	CHD2	15	93543741	93547981	2	0	0	1	0	0	4240	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr15:94983404-95013671	exonic	MCTP2	15	94983404	95013671	2	0	0	1	0	0	30267	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr16:1364020-1370518	exonic	UBE2I	16	1364020	1370518	2	0	0	1	0	0	6498	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr16:14680174-14721193	exonic	PARN	16	14680174	14721193	2	0	0	1	0	0	41019	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924

chr16:66839679-66839929	exonic	NAE1	16	66839679	66839929	2	0	0	1	0	0	250	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr16:69170598-69177292	exonic	UTP4	16	69170598	69177292	2	0	0	1	0	0	6694	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr17:35640167-35646430	exonic	ACACA	17	35640167	35646430	2	0	0	1	0	0	6263	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr17:4086692-4088341	exonic	ANKFY1	17	4086692	4088341	2	0	0	1	0	0	1649	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr17:45479497-45507327	exonic	EFCAB13	17	45479497	45507327	2	0	0	1	0	0	27830	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr17:62515438-62525545	exonic	CEP95	17	62515438	62525545	2	0	0	1	0	0	10107	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr19:19308915-19310043	exonic	RFXANK	19	19308915	19310043	2	0	0	1	0	0	1128	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr2:170401230-170413807	exonic	FASTKD1	2	170401230	170413807	2	0	0	1	0	0	12577	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr2:191523883-191535185	exonic	NAB1	2	191523883	191535185	32	6	17	24	34	15	11302	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr2:33482350-33526711	exonic	LTBP1	2	33482350	33526711	2	0	0	1	0	0	44361	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr2:33482509-33534623	exonic	LTBP1	2	33482509	33534623	2	0	0	1	0	0	52114	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr2:55808702-55816092	exonic	PPP4R3B	2	55808702	55816092	2	0	0	1	0	0	7390	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr2:70033516-70039841	exonic	ANXA4	2	70033516	70039841	2	0	0	1	0	0	6325	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr20:18414295-18429713	exonic	DZANK1	20	18414295	18429713	2	0	0	1	0	0	15418	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr20:2473344-2474690	exonic	ZNF343	20	2473344	2474690	2	0	0	1	0	0	1346	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr20:50090516-50140649	exonic	NFATC2	20	50090516	50140649	2	0	0	1	0	0	50133	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr21:33829904-33840156	exonic	EVA1C	21	33829904	33840156	2	0	0	1	0	0	10252	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr21:47817178-47822397	exonic	PCNT	21	47817178	47822397	2	0	0	1	0	0	5219	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr22:41979962-41980607	exonic	PMM1	22	41979962	41980607	2	0	0	1	0	0	645	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr3:115738361-115805403	exonic	LSAMP	3	115738361	115805403	2	0	0	1	0	0	67042	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr3:127429418-127441409	exonic	MGLL	3	127429418	127441409	2	0	0	1	0	0	11991	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr3:15271948-15275480	exonic	CAPN7	3	15271948	15275480	2	0	0	1	0	0	3532	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr3:47079155-47088111	exonic	SETD2	3	47079155	47088111	2	0	0	1	0	0	8956	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr4:169812072-169819865	exonic	PALLD	4	169812072	169819865	2	0	0	1	0	0	7793	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr4:4239553-4248070	exonic	TMEM128	4	4239553	4248070	2	0	0	1	0	0	8517	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr5:108203467-108219219	exonic	FER	5	108203467	108219219	2	0	0	1	0	0	15752	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr5:137717204-137761271	exonic	KDM3B	5	137717204	137761271	2	0	0	1	0	0	44067	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr5:36211945-36227667	exonic	NADK2	5	36211945	36227667	2	0	0	1	0	0	15722	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr5:77385216-77437143	exonic	AP3B1	5	77385216	77437143	2	0	0	1	0	0	51927	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr5:96063192-96066564	exonic	CAST	5	96063192	96066564	2	0	0	1	0	0	3372	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr6:12120122-12136125	exonic	HIVEP1	6	12120122	12136125	2	0	0	1	0	0	16003	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr6:144086397-144086935	exonic	PHACTR2	6	144086397	144086935	2	0	0	1	0	0	538	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr6:34985249-35054826	exonic	ANKS1A	6	34985249	35054826	2	0	0	1	0	0	69577	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr6:86275049-86284096	exonic	SNX14	6	86275049	86284096	2	0	0	1	0	0	9047	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr6:86281854-86284096	exonic	SNX14	6	86281854	86284096	2	0	0	1	0	0	2242	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924

chr7:100457506-100460449	exonic	SLC12A9	7	100457506	100460449	2	0	0	1	0	0	2943	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr7:6456257-6456552	exonic	DAGLB	7	6456257	6456552	2	0	0	1	0	0	295	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr8:618597-642612	exonic	ERICH1	8	618597	642612	2	0	0	1	0	0	24015	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr8:68005777-68007967	exonic	CSPP1	8	68005777	68007967	2	0	0	1	0	0	2190	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr9:114190321-114204704	exonic	KIAA0368	9	114190321	114204704	2	0	0	1	0	0	14383	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr9:125746763-125777915	exonic	RABGAP1	9	125746763	125777915	2	0	0	1	0	0	31152	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chrX:128691301-128692978	exonic	OCR1	X	128691301	128692978	2	0	0	1	0	0	1677	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chrX:20206614-20222221	exonic	RPS6KA3	X	20206614	20222221	2	0	0	1	0	0	15607	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chrX:32563275-32591963	exonic	DMD	X	32563275	32591963	2	0	0	1	0	0	28688	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chrX:53622146-53634660	exonic	HUWE1	X	53622146	53634660	2	0	0	1	0	0	12514	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chrX:62875373-62926329	exonic	ARHGEF9	X	62875373	62926329	2	0	0	1	0	0	50956	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chrX:76937011-76944420	exonic	ATRX	X	76937011	76944420	2	0	0	1	0	0	7409	0.364285271	0.70268845	4.058132305	0.173155629	0.8625291	0.998252924
chr1:155640110-155649303	exonic	YYIAP1	1	155640110	155649303	14	9	0	14	4	0	9193	5.34676847	0.704844923	1.441602985	0.48893137	0.624890286	0.998252924
chr1:155640110-155650247	exonic	YYIAP1	1	155640110	155650247	14	9	0	14	4	0	10137	5.34676847	0.704844923	1.441602985	0.48893137	0.624890286	0.998252924
chr3:119222378-119236162	exonic	TIMMDC1	3	119222378	119236162	7	2	3	2	7	0	13784	2.903081997	0.704959697	1.582994714	0.445332945	NA	NA
chr3:196210640-196215554	exonic	RNF168	3	196210640	196215554	2	0	2	0	3	0	4914	1.015594202	0.705730418	2.751757335	0.256465354	NA	NA
chr6:29989444-30003760	ncRNA_exonic	ZNRD1-AS1	6	29989444	30003760	2	0	2	0	3	0	14316	1.015594202	0.705730418	2.751757335	0.256465354	NA	NA
chr18:55833019-55919286	exonic	NEDD4L	18	55833019	55919286	22	7	0	6	6	4	86267	6.654550612	0.706159815	1.245694385	0.566880467	0.570795396	0.998252924
chr13:24796956-24798720	exonic	SPATA13	13	24796956	24798720	6	2	4	9	1	0	1764	2.989379245	0.708141819	1.599617367	0.442694505	NA	NA
chr2:112702536-112705144	exonic	MERTK	2	112702536	112705144	1	3	0	0	3	0	2608	1.014896605	0.710205472	2.772652631	0.256146574	NA	NA
chr9:128099296-128099870	exonic	GAPVD1	9	128099296	128099870	18	14	10	24	11	0	574	10.6170913	0.710983132	1.01081781	0.703374164	0.481822603	0.998252924
chr9:37126309-37147442	exonic	ZCCHC7	9	37126309	37147442	6	6	3	6	6	0	21133	3.775416369	0.711236896	1.388549794	0.512215622	0.608500111	0.998252924
chr14:102661274-102676199	exonic	WDR20	14	102661274	102676199	3	6	1	3	3	1	14925	2.620119678	0.711285441	1.569485479	0.453196574	0.6504072	0.998252924
chr3:121433707-121449820	exonic	GOLGB1	3	121433707	121449820	0	0	3	1	0	1	16113	1.006337071	0.712699554	2.842623741	0.25071892	NA	NA
chr6:35586872-35610620	exonic	FKBP5	6	35586872	35610620	3	1	1	4	0	0	23748	1.183751194	0.714671829	2.418976216	0.295443925	NA	NA
chr7:47384352-47385954	exonic	TNS3	7	47384352	47385954	3	1	1	4	0	0	1602	1.183751194	0.714671829	2.418976216	0.295443925	NA	NA
chr15:93467550-93472321	exonic	CHD2	15	93467550	93472321	8	7	6	8	3	3	4771	5.573669462	0.714785446	1.128973303	0.633128741	0.526649575	0.998252924
chr1:93128976-93170301	exonic	EVI5	1	93128976	93170301	3	2	3	4	1	0	41325	3.411571878	0.716380085	1.651118217	0.433875707	0.664378701	0.998252924
chr8:54891584-54923052	exonic	TCEA1	8	54891584	54923052	0	5	2	1	1	2	31468	2.109693071	0.71699192	1.904529258	0.376466739	0.706569938	0.998252924
chr1:118430319-118461358	exonic	GDAP2	1	118430319	118461358	2	1	0	2	0	0	31039	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr1:210003452-210004388	exonic	DIEXF	1	210003452	210004388	2	1	0	2	0	0	936	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr1:235316020-235318427	exonic	RBM34	1	235316020	235318427	2	1	0	2	0	0	2407	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr10:103432671-103433430	exonic	FBXW4	10	103432671	103433430	2	1	0	2	0	0	759	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr11:118427620-118430579	exonic	IFT46	11	118427620	118430579	2	1	0	2	0	0	2959	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr14:23416379-23417222	exonic	HAUS4	14	23416379	23417222	2	1	0	2	0	0	843	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924

chr15:91162972-91172764	exonic	CRTC3	15	91162972	91172764	2	1	0	2	0	0	9792	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr16:53907697-53968021	exonic	FTO	16	53907697	53968021	2	1	0	2	0	0	60324	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr17:12608444-12626325	exonic	MYOCD	17	12608444	12626325	2	1	0	2	0	0	17881	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr2:120684173-120725548	exonic	PTPN4	2	120684173	120725548	2	1	0	2	0	0	41375	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr20:3888572-3893281	exonic	PANK2	20	3888572	3893281	2	1	0	2	0	0	4709	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr22:20078957-20082318	exonic	DGCR8	22	20078957	20082318	2	1	0	2	0	0	3361	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr7:74216325-74221352	exonic	GTF2IRD2	7	74216325	74221352	2	1	0	2	0	0	5027	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr8:42294506-42330172	exonic	SLC20A2	8	42294506	42330172	2	1	0	2	0	0	35666	0.644872455	0.719293453	3.260706597	0.22059435	0.825408301	0.998252924
chr7:90355880-90419967	exonic	CDK14	7	90355880	90419967	7	2	3	2	3	2	64087	3.035409528	0.720449335	1.462272327	0.492691629	0.622230493	0.998252924
chr9:125042721-125054119	exonic	MRRF	9	125042721	125054119	4	4	1	3	0	2	11398	2.345691366	0.721082028	1.761541604	0.409347146	0.682284921	0.998252924
chr2:15629017-15679480	exonic	NBAS	2	15629017	15679480	2	1	2	2	2	0	50463	1.28146535	0.722982721	2.15549441	0.335413869	0.737312907	0.998252924
chr4:1902352-1941505	exonic	WHSC1	4	1902352	1941505	0	11	2	3	4	2	39153	3.731052901	0.723306641	1.545473808	0.468016111	NA	NA
chr4:77055327-77065626	exonic	NUP54	4	77055327	77065626	13	24	9	14	11	6	10299	12.30384335	0.724657526	0.864030264	0.838694611	NA	NA
chr1:93070863-93170301	exonic	EVI5	1	93070863	93170301	1	2	0	0	2	0	99438	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr10:128768965-128810638	exonic	DOCK1	10	128768965	128810638	1	2	0	0	2	0	41673	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr10:5810175-5842668	exonic	GDI2	10	5810175	5842668	1	2	0	0	2	0	32493	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr11:78180292-78204241	exonic	NARS2	11	78180292	78204241	1	4	2	3	2	0	23949	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr13:20635192-20641530	exonic	ZMYM2	13	20635192	20641530	1	2	0	0	2	0	6338	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr19:34706028-34706566	exonic	LSM14A	19	34706028	34706566	1	2	0	0	2	0	538	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr4:39874605-39891984	exonic	PDS5A	4	39874605	39891984	1	2	0	0	2	0	17379	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr5:126140467-126147590	exonic	LMNB1	5	126140467	126147590	1	2	0	0	2	0	7123	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr8:26439484-26441499	exonic	DPYSL2	8	26439484	26441499	1	2	0	0	2	0	2015	0.719593385	0.725682878	3.140827002	0.231048344	0.817277245	0.998252924
chr5:54570441-54577343	exonic	DHX29	5	54570441	54577343	2	2	2	4	1	0	6902	1.547336497	0.726574023	2.008618475	0.361728239	NA	NA
chr6:25515902-25520565	exonic	LRRC16A	6	25515902	25520565	2	2	2	4	1	0	4663	1.547336497	0.726574023	2.008618475	0.361728239	NA	NA
chr5:78936673-78964851	exonic	PAPD4	5	78936673	78964851	5	0	2	1	4	0	28178	1.629893837	0.730522278	2.139803908	0.341397068	0.732804682	0.998252924
chr5:78940945-78964851	exonic	PAPD4	5	78940945	78964851	5	0	2	1	4	0	23906	1.629893837	0.730522278	2.139803908	0.341397068	0.732804682	0.998252924
chr15:65266939-65275931	exonic	SPG21	15	65266939	65275931	10	10	3	9	9	0	8992	5.670483758	0.730578404	1.222789346	0.597468736	0.550194474	0.998252924
chr15:99250790-99251336	exonic	IGF1R	15	99250790	99251336	2	2	1	2	0	1	546	1.324635888	0.732176683	2.181837795	0.335577963	0.737189144	0.998252924
chr6:159004985-159010814	exonic	TMEM181	6	159004985	159010814	3	4	9	8	6	0	5829	4.436140866	0.733704154	1.356499922	0.540880351	0.588590055	0.998252924
chr7:104707173-104731761	exonic	KMT2E	7	104707173	104731761	0	5	0	0	2	1	24588	1.421652448	0.733745966	2.506418825	0.29274675	NA	NA
chr11:76174864-76183884	exonic	EMSY	11	76174864	76183884	3	3	4	2	6	0	9020	2.637651629	0.734676569	1.626134259	0.451793304	NA	NA
chr18:12999419-13030607	exonic	CEP192	18	12999419	13030607	11	15	13	14	14	2	31188	10.3966712	0.736543341	0.911527594	0.808031865	0.419072239	0.998252924
chr2:191520702-191537878	exonic	NAB1	2	191520702	191537878	1	5	1	5	1	0	17176	1.850219311	0.737670556	1.947688129	0.378741619	NA	NA
chr16:30744600-30745329	exonic	SRCAP	16	30744600	30745329	2	0	2	1	2	0	729	1.000878165	0.737855923	2.556544806	0.288614509	0.772876392	0.998252924
chr18:20570899-20581692	exonic	RBBP8	18	20570899	20581692	5	0	0	0	3	0	10793	1.008016979	0.73898311	3.015040809	0.245098875	NA	NA

chr18:9588086-9595151	exonic	PPP4R1	18	9588086	9595151	0	0	0	0	3	0	7065	1.008016979	0.73898311	3.015040809	0.245098875	NA	NA
chr5:13911494-13931353	exonic	DNAH5	5	13911494	13931353	4	5	6	0	12	0	19859	4.023269981	0.739306804	1.587826519	0.465609307	NA	NA
chr16:3786036-3795355	exonic	CREBBP	16	3786036	3795355	1	4	0	2	2	0	9319	1.280767753	0.743190908	2.343089047	0.317184236	NA	NA
chr9:138741982-138774924	exonic	CAMSAP1	9	138741982	138774924	4	3	0	1	2	1	32942	1.695360006	0.744169065	1.982917287	0.375290018	0.707444789	0.998252924
chr8:142264087-142264728	exonic	SLC45A4	8	142264087	142264728	36	12	27	23	19	8	641	19.27153496	0.744177813	0.74824274	0.99456737	NA	NA
chr17:44143902-44172067	exonic	KANSL1	17	44143902	44172067	2	2	0	3	0	0	28165	0.925459639	0.744797305	2.833394559	0.262863957	NA	NA
chr1:45553552-45553909	exonic	ZSWIM5	1	45553552	45553909	1	3	2	3	2	0	357	1.60734139	0.750219664	1.981890339	0.378537424	0.705031398	0.998252924
chr18:76886266-76974038	exonic	ATP9B	18	76886266	76974038	5	5	1	0	1	2	87772	2.405696259	0.751076845	1.658388153	0.452895689	0.650623855	0.998252924
chr1:230798886-230810870	exonic	COG2	1	230798886	230810870	5	0	3	3	3	0	11984	1.918758211	0.754282153	1.972733147	0.38235387	0.702198902	0.998252924
chr2:183993014-183995273	exonic	NUP35	2	183993014	183995273	2	1	3	4	1	0	2259	1.570329274	0.754443177	2.022052492	0.373107612	NA	NA
chr13:24164288-24200931	exonic	TNFRSF19	13	24164288	24200931	9	2	0	8	0	0	36643	2.359925164	0.754659668	2.059999138	0.366339798	0.714111536	0.998252924
chr1:29088812-29090062	intronic	YTHDF2	1	29088812	29090062	0	0	4	4	0	0	1250	1.214321643	0.754973256	2.841060398	0.265736433	NA	NA
chr2:32117060-32145979	exonic	MEMO1	2	32117060	32145979	2	0	3	1	1	1	28919	1.385338378	0.755503657	2.176513356	0.347116481	0.728503812	0.998252924
chr1:149239868-149255307	intergenic	<small>NRP25P (dist=130143), LOC388692 (dist=31823)</small>	1	149239868	149255307	25	7	0	17	6	0	15439	6.978062241	0.756034838	1.370439577	0.551673237	0.581172249	0.998252924
chr9:127064214-127089724	exonic	NEK6	9	127064214	127089724	2	2	0	0	1	1	25510	1.035771514	0.758649225	2.574244685	0.294707504	0.76821733	0.998252924
chr1:87181406-87185318	exonic	SH3GLB1	1	87181406	87185318	4	3	0	2	3	0	3912	1.614480204	0.759544686	2.102155052	0.361317156	0.71786237	0.998252924
chr1:118454615-118461358	exonic	GDAP2	1	118454615	118461358	0	4	5	4	4	0	6743	2.592803552	0.76010134	1.795218459	0.423403256	0.67200107	0.998252924
chr1:67356836-67371058	exonic	WDR78	1	67356836	67371058	20	24	23	15	26	6	14222	17.89024102	0.760368263	0.763006005	0.99654296	0.318986405	0.998252924
chr1:67358911-67371058	exonic	WDR78	1	67358911	67371058	20	24	23	15	26	6	12147	17.89024102	0.760368263	0.763006005	0.99654296	0.318986405	0.998252924
chr5:123974825-124036962	exonic	ZNF608	5	123974825	124036962	3	0	3	5	0	0	62137	1.510324831	0.761455856	2.372031527	0.321014222	NA	NA
chr2:160980301-160983112	exonic	ITGB6	2	160980301	160983112	4	10	1	8	0	2	2811	3.922903086	0.761807534	1.521696362	0.50063045	NA	NA
chr12:96717725-96728643	exonic	CDK17	12	96717725	96728643	6	9	4	7	8	0	10918	4.843879021	0.762111126	1.279317692	0.595716866	0.551364389	0.998252924
chr6:86267693-86282092	exonic	SNX14	6	86267693	86282092	0	4	2	1	4	0	14399	1.682062232	0.764109642	2.137087738	0.357547156	0.720682231	0.998252924
chr1:36826822-36828257	exonic	STK40	1	36826822	36828257	2	3	0	4	0	0	1435	1.206046823	0.764353894	2.576356931	0.296680124	0.766710733	0.998252924
chr22:24025911-24037704	exonic	RGL4	22	24025911	24037704	2	3	0	4	0	0	11793	1.206046823	0.764353894	2.576356931	0.296680124	0.766710733	0.998252924
chr22:32874967-32881196	exonic	FBX07	22	32874967	32881196	2	3	0	4	0	0	6229	1.206046823	0.764353894	2.576356931	0.296680124	0.766710733	0.998252924
chr4:62800557-62910267	exonic	ADGRL3	4	62800557	62910267	2	3	0	4	0	0	109710	1.206046823	0.764353894	2.576356931	0.296680124	0.766710733	0.998252924
chr2:114697535-114699936	exonic	ACTR3	2	114697535	114699936	2	0	3	2	2	0	2401	1.304458576	0.768676442	2.30220451	0.333887124	0.738464737	0.998252924
chr6:7181356-7189555	exonic	RREB1	6	7181356	7189555	5	1	3	6	1	0	8199	2.169913322	0.769927074	1.799090039	0.427953608	NA	NA
chr15:50875285-50884823	exonic	TRPM7	15	50875285	50884823	5	4	2	1	5	1	9538	2.756243064	0.771959476	1.543080783	0.50027159	0.616883856	0.998252924
chr2:113057425-113057606	exonic	ZC3H6	2	113057425	113057606	13	3	7	6	11	0	181	5.549710783	0.772690113	1.249746372	0.618277541	0.536392404	0.998252924
chr15:43120125-43132631	exonic	TTBK2	15	43120125	43132631	5	7	3	9	3	0	12506	4.383717937	0.77338506	1.347581794	0.573905839	NA	NA
chr2:209209834-209212747	exonic	PIKFYVE	2	209209834	209212747	6	3	4	6	4	0	2913	3.207803154	0.773624995	1.476062757	0.524113891	0.600199328	0.998252924
chr16:30740286-30745329	exonic	SRCAP	16	30740286	30745329	2	0	2	2	1	0	5043	0.986162129	0.778389999	2.567713666	0.303145171	0.761779231	0.998252924
chr6:105280916-105297121	exonic	HACE1	6	105280916	105297121	2	0	2	2	1	0	16205	0.986162129	0.778389999	2.567713666	0.303145171	0.761779231	0.998252924

chr14:92473983-92477416	exonic	TRIP11	14	92473983	92477416	1	1	1	0	2	0	3433	0.742586611	0.778594314	2.886349067	0.269750573	0.787352151	0.998252924
chr6:17661883-17676001	exonic	NUP153	6	17661883	17676001	1	1	1	0	2	0	14118	0.742586611	0.778594314	2.886349067	0.269750573	0.787352151	0.998252924
chr2:11905658-11907984	exonic	LPIN1	2	11905658	11907984	2	0	1	2	0	0	2326	0.667865681	0.779007788	3.221203885	0.241837467	0.808906106	0.998252924
chr20:32216155-32217720	exonic	CBFA2T2	20	32216155	32217720	2	0	1	2	0	0	1565	0.667865681	0.779007788	3.221203885	0.241837467	0.808906106	0.998252924
chr20:45891031-45916028	exonic	ZMYND8	20	45891031	45916028	0	0	2	0	0	0	24997	0.667865681	0.779007788	3.221203885	0.241837467	0.808906106	0.998252924
chr4:2951660-2952972	exonic	NOPI4	4	2951660	2952972	2	0	1	2	0	0	1312	0.667865681	0.779007788	3.221203885	0.241837467	0.808906106	0.998252924
chr1:84376847-84412965	exonic	TTLL7	1	84376847	84412965	2	1	1	3	0	0	36118	0.948452866	0.780259406	2.618025895	0.298033494	NA	NA
chr3:71050122-71102924	exonic	FOXP1	3	71050122	71102924	5	3	0	6	0	0	52802	1.805630422	0.780286879	2.22017067	0.351453557	NA	NA
chr8:131104218-131193126	exonic	ASAP1	8	131104218	131193126	1	2	0	1	1	0	88908	0.704877348	0.780648055	2.934520307	0.266022373	0.790221979	0.998252924
chr11:118352429-118353210	exonic	KMT2A	11	118352429	118353210	5	0	3	4	0	1	781	1.97020594	0.780987595	2.015455294	0.387499339	0.698386574	0.998252924
chr2:24181170-24199945	exonic	UBXN2A	2	24181170	24199945	5	4	2	2	6	0	18775	2.675363262	0.78234138	1.614945667	0.484438205	NA	NA
chr1:21083658-21107033	exonic	HP1BP3	1	21083658	21107033	1	3	0	2	1	0	23375	0.985464532	0.78388027	2.588590025	0.302821328	0.762026029	0.998252924
chr6:125366356-125379252	exonic	RNF217	6	125366356	125379252	1	3	0	2	1	0	12896	0.985464532	0.78388027	2.588590025	0.302821328	0.762026029	0.998252924
chr13:42385360-42393522	exonic	VWA8	13	42385360	42393522	4	0	6	4	4	0	8162	2.608917152	0.786465863	1.780061196	0.441819565	0.65861978	0.998252924
chr15:57730182-57754090	exonic	CGNL1	15	57730182	57754090	1	2	2	2	2	0	23908	1.326754206	0.787013808	2.136852035	0.368305243	0.712645644	0.998252924
chr1:172525008-172526934	exonic	SUCO	1	172525008	172526934	2	3	5	2	4	1	1926	2.772097477	0.787343971	1.53100069	0.514267548	0.607064947	0.998252924
chr12:124904502-124915333	exonic	NCOR2	12	124904502	124915333	8	8	5	8	0	4	10831	5.495812579	0.788042351	1.289140445	0.611292861	NA	NA
chr12:82763166-82796909	exonic	METTL25	12	82763166	82796909	9	7	3	6	8	0	33743	4.57870784	0.788288135	1.304508951	0.604279591	0.545657773	0.998252924
chr19:24014399-24015914	intergenic	RPSAP58 (dist=3480), ZNF726 (dist=81770)	19	24014399	24015914	22	11	4	5	21	0	1515	8.616955417	0.788640692	1.151036458	0.685157004	0.493244852	0.998252924
chr21:42609439-42629253	exonic	BACE2	21	42609439	42629253	4	3	0	3	2	0	19814	1.599764167	0.788895483	2.107443199	0.374337721	0.708153072	0.998252924
chr12:1136913-1137738	exonic	ERC1	12	1136913	1137738	2	7	3	8	2	0	825	3.16225748	0.789846089	1.556804208	0.507350947	0.611908598	0.998252924
chr9:33960823-33973235	exonic	UBAP2	9	33960823	33973235	27	6	2	12	12	0	12412	7.650905984	0.789951758	1.199293463	0.65868095	0.510100668	0.998252924
chr15:85657103-85664245	exonic	PDE8A	15	85657103	85664245	13	13	0	4	6	4	7142	6.326700151	0.79191657	1.262500879	0.627260212	0.53048868	0.998252924
chr6:13632601-13659064	exonic	RANBP9	6	13632601	13659064	7	4	3	2	0	4	26463	3.637316078	0.793703682	1.525014822	0.520456372	NA	NA
chr12:23908571-24048958	exonic	SOX5	12	23908571	24048958	6	0	0	4	0	0	140387	1.199167197	0.794590777	2.83222515	0.280553535	NA	NA
chr3:140978964-141006295	exonic	PXYLP1	3	140978964	141006295	6	0	0	4	0	0	27331	1.199167197	0.794590777	2.83222515	0.280553535	NA	NA
chr3:140981084-141006295	exonic	PXYLP1	3	140981084	141006295	6	0	0	4	0	0	25211	1.199167197	0.794590777	2.83222515	0.280553535	NA	NA
chr5:112227300-112228735	exonic	SRP19	5	112227300	112228735	6	0	0	4	0	0	1435	1.199167197	0.794590777	2.83222515	0.280553535	NA	NA
chr5:109049220-109051965	exonic	MAN2A1	5	109049220	109051965	9	6	8	11	7	0	2745	5.801306673	0.796542046	1.192238539	0.668106272	0.504065758	0.998252924
chr17:28776570-28778864	exonic	CPD	17	28776570	28778864	4	3	0	3	0	1	2294	1.665927933	0.79692695	2.131309026	0.373914313	0.708468068	0.998252924
chr18:44407921-44426804	exonic	PIAS2	18	44407921	44426804	0	5	1	3	2	0	18883	1.62963702	0.798224989	2.159057828	0.36970987	0.711598677	0.998252924
chr3:143704385-143708679	exonic	C3orf58	3	143704385	143708679	7	4	4	12	0	0	4294	3.66482452	0.800602746	1.607403538	0.498072032	NA	NA
chr1:57252847-57258476	exonic	Clorf168	1	57252847	57258476	4	5	0	7	0	0	5629	2.131506463	0.801209771	2.10440962	0.380729	0.703404348	0.998252924
chr7:155457868-155473602	exonic	RBM33	7	155457868	155473602	7	18	2	10	11	0	15734	6.828826525	0.801998507	1.228585535	0.652781987	NA	NA
chr15:43086841-43109295	exonic	TTBK2	15	43086841	43109295	0	4	0	0	3	0	22454	1.060185462	0.803270577	2.97691449	0.269833272	NA	NA

chr14:35261980-35331528	exonic	BAZ1A	14	35261980	35331528	6	5	0	6	2	0	69548	2.525223807	0.806309114	1.79769133	0.448524783	0.653774504	0.998252924
chr1:741179-745550	intergenic	LOC100288069 (dist=27111), FAM87B (dist=7201)	1	741179	745550	3	13	7	11	8	0	4371	6.171074006	0.807254618	1.231526806	0.655490903	0.512151741	0.998252924
chr6:157357969-157406039	exonic	ARID1B	6	157357969	157406039	9	2	5	9	3	0	48070	3.815663943	0.807362075	1.42876167	0.565078202	0.572020574	0.998252924
chr14:61262934-61346553	exonic	MNAT1	14	61262934	61346553	1	2	1	5	0	0	83619	1.55491609	0.807866242	2.21406763	0.364878756	NA	NA
chr7:156619298-156629579	exonic	LMBR1	7	156619298	156629579	4	7	6	2	7	2	10281	4.595744458	0.808393622	1.258016205	0.642593966	0.5204876	0.998252924
chr19:34921480-34929671	exonic	UBA2	19	34921480	34929671	3	5	3	6	3	0	8191	2.023354364	0.808401926	1.831354562	0.441422946	0.658906833	0.998252924
chr9:33953282-33963789	exonic	UBAP2	9	33953282	33963789	18	16	8	13	14	2	10507	10.38119909	0.808601634	0.907978712	0.890551312	0.373169929	0.998252924
chr11:18312988-18313566	exonic	HPS5	11	18312988	18313566	10	5	10	8	5	3	578	6.514222695	0.809465589	1.064663392	0.760301889	0.447074153	0.998252924
chr1:231930987-231954263	exonic	DISC1	1	231930987	231954263	9	5	10	4	4	5	23276	6.455400007	0.811761234	1.111000881	0.730657597	0.464988322	0.998252924
chr6:84894904-84913814	exonic	CEP162	6	84894904	84913814	0	5	3	6	1	0	18910	2.222081805	0.811974206	1.942336399	0.418039947	0.675917911	0.998252924
chr3:149613259-149639014	exonic	RNF13	3	149613259	149639014	2	2	5	1	6	0	25755	2.425346527	0.812047287	1.742877674	0.465923282	NA	NA
chr2:20467058-20468141	intronic	PUM2	2	20467058	20468141	0	2	9	0	3	3	1083	3.41171092	0.812220981	1.764701145	0.460259791	NA	NA
chr6:135360710-135363264	exonic	HBS1L	6	135360710	135363264	3	1	5	3	4	0	2554	2.350625598	0.812806395	1.721604381	0.472121473	0.636840087	0.998252924
chr10:12159671-12162266	exonic	DHTKD1	10	12159671	12162266	1	1	0	0	1	0	2595	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr14:45481177-45523752	exonic	FAM179B	14	45481177	45523752	1	1	0	0	1	0	42575	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr15:63349183-63354844	exonic	TPM1	15	63349183	63354844	1	1	0	0	1	0	5661	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr17:29061914-29093606	ncRNA_exonic	SUZ12P1	17	29061914	29093606	1	1	0	0	1	0	31692	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr17:994904-1003975	exonic	ABR	17	994904	1003975	1	1	0	0	1	0	9071	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr2:198388347-198405161	exonic	HSPE1-MOB4, MOB4	2	198388347	198405161	1	1	0	0	1	0	16814	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr2:61528085-61528589	exonic	USP34	2	61528085	61528589	1	1	0	0	1	0	504	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr2:61721028-61722748	exonic	XPO1	2	61721028	61722748	1	1	0	0	1	0	1720	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr22:40708508-40717233	exonic	TNRC6B	22	40708508	40717233	1	1	0	0	1	0	8725	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr6:90432673-90433338	exonic	MDN1	6	90432673	90433338	1	1	0	0	1	0	665	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr7:106921744-106938791	exonic	COG5	7	106921744	106938791	1	1	0	0	1	0	17047	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr7:64526630-64527428	ncRNA_exonic	CCT6P3	7	64526630	64527428	1	1	0	0	1	0	798	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr7:77256021-77256992	exonic	PTPN12	7	77256021	77256992	1	1	0	0	1	0	971	0.424290164	0.814124233	3.864657601	0.210658826	0.833153506	0.998252924
chr7:27668989-27689252	exonic	HIBADH	7	27668989	27689252	4	15	2	13	4	0	20263	5.390780502	0.814934396	1.342557442	0.607001511	NA	NA
chr2:206036934-206058044	exonic	PARD3B	2	206036934	206058044	3	4	3	7	1	0	21110	2.541078219	0.815127676	1.676258733	0.486277959	NA	NA
chr11:78176921-78204241	exonic	NARS2	11	78176921	78204241	0	4	1	0	2	0	27320	1.652630246	0.819904038	2.117870455	0.387136067	0.698655478	0.998252924
chr3:171851260-171969331	exonic	FNDC3B	3	171851260	171969331	4	5	3	3	0	3	118071	3.222723825	0.820615537	1.559066396	0.526350603	0.59864463	0.998252924
chr12:123879593-123880979	exonic	KMT5A	12	123879593	123880979	1	1	0	0	0	1	1386	0.611481351	0.820841752	3.437224262	0.238809484	NA	NA
chr20:5545662-5550885	exonic	GPCPD1	20	5545662	5550885	1	1	0	0	0	1	5223	0.611481351	0.820841752	3.437224262	0.238809484	NA	NA
chr3:58062772-58067503	exonic	FLNB	3	58062772	58067503	1	1	0	0	0	1	4731	0.611481351	0.820841752	3.437224262	0.238809484	NA	NA
chr8:17092224-17094882	exonic	CNOT7	8	17092224	17094882	1	1	0	0	0	1	2658	0.611481351	0.820841752	3.437224262	0.238809484	NA	NA
chr17:76075475-76089844	exonic	TNRC6C	17	76075475	76089844	4	3	0	4	1	0	14369	1.585048131	0.820913067	2.143068356	0.383055008	NA	NA

chr18:6237962-6312055	exonic	L3MBTL4	18	6237962	6312055	4	3	0	4	1	0	74093	1.585048131	0.820913067	2.143068356	0.383055008	NA	NA
chr15:44884528-44889141	exonic	SPG11	15	44884528	44889141	5	0	0	2	1	0	4613	0.978584906	0.820951184	2.800132406	0.293182988	NA	NA
chr14:31371741-31380368	exonic	STRN3	14	31371741	31380368	4	1	0	0	3	0	8627	1.053305836	0.821837794	2.725795337	0.301503852	0.763030313	0.998252924
chr4:83793096-83796975	exonic	SEC31A	4	83793096	83796975	6	9	1	8	4	0	3879	3.874273642	0.822039828	1.450365506	0.566781149	0.57086288	0.998252924
chr5:78734832-78752841	exonic	HOMER1	5	78734832	78752841	6	5	4	4	5	1	18009	3.772978013	0.822955228	1.311952095	0.627275364	0.530478749	0.998252924
chrX:107083899-107097934	exonic	MID2	X	107083899	107097934	10	3	3	4	7	0	14035	3.676941395	0.823568599	1.429219969	0.57623642	0.564455391	0.998252924
chr1:82302569-82372915	exonic	ADGRL2	1	82302569	82372915	1	1	5	5	1	0	70346	1.942192217	0.824427779	1.927994017	0.427609096	NA	NA
chr14:81362061-81372425	exonic	CEP128	14	81362061	81372425	2	0	6	0	0	3	10364	2.366243865	0.825178803	2.136482458	0.386232426	NA	NA
chr1:243708811-243736350	exonic	AKT3	1	243708811	243736350	11	5	5	7	6	1	27539	5.055143329	0.828491356	1.176660315	0.704104103	0.481367945	0.998252924
chr12:47606380-47610472	ncRNA_exonic	PCED1B-AS1	12	47606380	47610472	2	0	2	3	0	0	4092	0.971446092	0.830071212	2.789860312	0.29753146	0.766060793	0.998252924
chr15:102248995-102255166	exonic	TARSL2	15	102248995	102255166	2	0	2	3	0	0	6171	0.971446092	0.830071212	2.789860312	0.29753146	0.766060793	0.998252924
chr3:167272438-167345080	exonic	WDR49	3	167272438	167345080	2	0	2	3	0	0	72642	0.971446092	0.830071212	2.789860312	0.29753146	0.766060793	0.998252924
chr3:47676679-47719801	exonic	SMARCC1	3	47676679	47719801	1	1	1	1	1	0	43122	0.727870574	0.830073691	2.715305229	0.305701798	0.759831704	0.998252924
chrX:38132638-38136025	exonic	RPGR	X	38132638	38136025	1	1	1	1	1	0	3387	0.727870574	0.830073691	2.715305229	0.305701798	0.759831704	0.998252924
chr12:50829270-50834332	exonic	LARP4	12	50829270	50834332	4	0	2	0	4	0	5062	1.394595509	0.830330729	2.448410651	0.3391305	NA	NA
chr12:50829270-50835426	exonic	LARP4	12	50829270	50835426	4	0	2	0	4	0	6156	1.394595509	0.830330729	2.448410651	0.3391305	NA	NA
chr11:76224429-76239510	exonic	EMSY	11	76224429	76239510	2	4	1	0	5	0	15081	1.757483216	0.830689239	2.101157299	0.39534843	NA	NA
chr1:179089324-179091002	exonic	ABL2	1	179089324	179091002	1	0	3	0	3	0	1678	1.083876285	0.830712621	2.717470997	0.30569328	NA	NA
chr14:66028054-66028484	exonic	FUT8	14	66028054	66028484	8	9	6	6	7	2	430	5.885489368	0.831612215	1.094269903	0.759969925	0.447272563	0.998252924
chr1:161816238-161833102	exonic	ATF6	1	161816238	161833102	4	2	0	2	2	0	16864	1.319176983	0.832523217	2.277939631	0.365472028	0.714759083	0.998252924
chr9:14146687-14179779	exonic	NFIB	9	14146687	14179779	10	10	3	11	6	0	33092	5.520024263	0.832866085	1.238456123	0.672503506	0.501263209	0.998252924
chr9:14150143-14179779	exonic	NFIB	9	14150143	14179779	10	10	3	11	6	0	29636	5.520024263	0.832866085	1.238456123	0.672503506	0.501263209	0.998252924
chr1:48860938-48865316	exonic	SPATA6	1	48860938	48865316	1	0	2	0	2	0	4378	0.765579837	0.83504441	3.076105538	0.271461561	0.78603606	0.998252924
chr10:121338237-121347760	exonic	TIAL1	10	121338237	121347760	1	0	2	0	2	0	9523	0.765579837	0.83504441	3.076105538	0.271461561	0.78603606	0.998252924
chr14:20863608-20864889	exonic	TEP1	14	20863608	20864889	1	0	2	0	2	0	1281	0.765579837	0.83504441	3.076105538	0.271461561	0.78603606	0.998252924
chr5:135489280-135489852	exonic	SMAD5	5	135489280	135489852	1	0	2	0	2	0	572	0.765579837	0.83504441	3.076105538	0.271461561	0.78603606	0.998252924
chr13:77655561-77661768	exonic	MYCBP2	13	77655561	77661768	0	4	0	1	2	0	6207	1.045469425	0.835683541	2.754917007	0.303342547	NA	NA
chr5:151169883-151170623	exonic	G3BP1	5	151169883	151170623	12	5	1	5	5	1	740	4.061403978	0.83716055	1.343233808	0.623242614	0.533125102	0.998252924
chr17:953289-1003975	exonic	ABR	17	953289	1003975	3	0	6	3	2	1	50686	2.439782589	0.841685919	1.743784851	0.482677619	0.629324657	0.998252924
chr11:17981016-18029623	exonic	SERGEF	11	17981016	18029623	1	2	0	2	0	0	48607	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr13:99549741-99556960	exonic	DOCK9	13	99549741	99556960	1	2	0	2	0	0	7219	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr15:43427709-43452992	exonic	TMEM62	15	43427709	43452992	1	2	0	2	0	0	25283	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr16:89164998-89169167	exonic	ACSF3	16	89164998	89169167	1	2	0	2	0	0	4169	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr19:311844-313643	exonic	MIER2	19	311844	313643	1	2	0	2	0	0	1799	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr2:9458652-9475308	exonic	ASAP2	2	9458652	9475308	1	2	0	2	0	0	16656	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924

chr6:42604748-42610219	exonic	UBR2	6	42604748	42610219	1	2	0	2	0	0	5471	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr7:158662545-158684024	exonic	WDR60	7	158662545	158684024	1	2	0	2	0	0	21479	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr9:125639749-125645658	exonic	RC3H2	9	125639749	125645658	1	2	0	2	0	0	5909	0.690161311	0.841969707	3.185058507	0.26434984	0.791510359	0.998252924
chr13:28830428-28835595	exonic	PAN3	13	28830428	28835595	2	1	9	6	4	0	5167	3.329648912	0.842413813	1.577796558	0.533917893	NA	NA
chr1:113119607-113159517	exonic	ST7L	1	113119607	113159517	0	3	0	0	2	0	39910	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr1:180044156-180068120	exonic	CEP350	1	180044156	180068120	0	3	0	0	2	0	23964	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr1:97235258-97250810	exonic	PTBP2	1	97235258	97250810	0	3	0	0	2	0	15552	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr10:93748910-93768032	exonic	BTAF1	10	93748910	93768032	0	3	0	0	2	0	19122	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr11:74521228-74528759	exonic	RNF169	11	74521228	74528759	0	3	0	0	2	0	7531	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr2:210993754-211019335	exonic	KANSL1L	2	210993754	211019335	0	2	0	7	2	0	25581	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr2:96555547-96583790	exonic	ANKRD36C	2	96555547	96583790	0	3	0	0	2	0	28243	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr20:33057853-33069011	exonic	ITCH	20	33057853	33069011	0	3	0	0	2	0	11158	0.764882241	0.843429356	3.352202097	0.251604567	NA	NA
chr15:93489050-93510743	exonic	CHD2	15	93489050	93510743	6	0	5	4	4	0	21693	2.669622012	0.846171317	1.756253593	0.481804747	0.629944657	0.998252924
chr15:93492181-93510743	exonic	CHD2	15	93492181	93510743	6	0	5	4	4	0	18562	2.669622012	0.846171317	1.756253593	0.481804747	0.629944657	0.998252924
chr11:77386080-77404656	exonic	RSF1	11	77386080	77404656	4	1	1	3	3	0	18576	2.001758701	0.849051213	1.814574235	0.467906574	0.639851402	0.998252924
chr20:32684462-32686439	exonic	EIF2S2	20	32684462	32686439	1	0	5	3	0	1	1977	1.742484835	0.850336607	2.167138124	0.392377767	NA	NA
chr14:103907901-103908429	intronic	MARK3	14	103907901	103908429	0	5	3	0	0	3	528	2.387841898	0.851313288	2.117799423	0.40198013	NA	NA
chr20:33954359-33971936	exonic	UQCC1	20	33954359	33971936	2	4	3	5	2	0	17577	2.320495928	0.853399395	1.705586248	0.500355462	0.616824808	0.998252924
chr11:34952950-35006275	exonic	PDHX	11	34952950	35006275	0	2	5	4	0	1	53325	2.068360875	0.854739975	2.02139375	0.422846847	0.672407005	0.998252924
chr1:150464886-150469384	exonic	TARS2	1	150464886	150469384	7	0	0	0	4	0	4498	1.387018287	0.856491689	2.697891346	0.31746708	NA	NA
chr1:179869260-179877808	exonic	TOR1AIP1	1	179869260	179877808	1	0	3	1	2	0	8548	1.069160248	0.859773185	2.528152619	0.340079621	0.733796568	0.998252924
chr2:170728745-170735084	exonic	UBR3	2	170728745	170735084	4	0	3	3	2	0	6339	1.668743847	0.862062397	2.08518244	0.413423008	0.67929672	0.998252924
chr15:63821212-63855207	exonic	USP3	15	63821212	63855207	3	3	2	0	2	1	33995	1.889810747	0.8624737	1.964356886	0.439061612	0.660616894	0.998252924
chr12:1289705-1299218	exonic	ERC1	12	1289705	1299218	4	3	0	5	0	0	9513	1.570332094	0.864546336	2.329881593	0.371068787	NA	NA
chr7:33388679-33427756	exonic	BBS9	7	33388679	33427756	4	3	0	5	0	0	39077	1.570332094	0.864546336	2.329881593	0.371068787	NA	NA
chr6:18160113-18166609	exonic	KDM1B	6	18160113	18166609	2	3	2	0	3	1	6496	1.846640208	0.864585291	1.91819614	0.450728303	0.652185381	0.998252924
chr17:58421318-58421599	intronic	USP32	17	58421318	58421599	5	0	0	3	0	0	281	0.963868869	0.864854896	3.059101745	0.282715309	NA	NA
chr2:30572803-30573012	ncRNA_exonic	LOC285043	2	30572803	30573012	5	0	0	3	0	0	209	0.963868869	0.864854896	3.059101745	0.282715309	NA	NA
chr22:29517344-29521404	exonic	KREMEN1	22	29517344	29521404	5	0	0	3	0	0	4060	0.963868869	0.864854896	3.059101745	0.282715309	NA	NA
chr3:113737524-113765579	exonic	CCDC191	3	113737524	113765579	5	0	0	3	0	0	28055	0.963868869	0.864854896	3.059101745	0.282715309	NA	NA
chr3:180685838-180688146	exonic	FXR1	3	180685838	180688146	5	0	0	3	0	0	2308	0.963868869	0.864854896	3.059101745	0.282715309	NA	NA
chr22:46096161-46136418	exonic	ATXN10	22	46096161	46136418	7	6	1	8	0	1	40257	3.304542109	0.865795934	1.59184227	0.543895555	0.586513348	0.998252924
chr1:113119607-113126748	exonic	ST7L	1	113119607	113126748	1	1	0	1	0	0	7141	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924
chr10:1118055-1132297	exonic	WDR37	10	1118055	1132297	1	1	0	1	0	0	14242	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924
chr10:124339093-124360539	exonic	DMBT1	10	124339093	124360539	1	1	0	1	0	0	21446	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924

chr10:882342-890995	exonic	LARP4B	10	882342	890995	1	1	0	1	0	0	8653	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr11:120916382-120924441	exonic	TBCEL	11	120916382	120924441	1	1	0	1	0	0	8059	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr12:118682698-118693460	exonic	TAOK3	12	118682698	118693460	1	1	0	1	0	0	10762	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr18:9588086-9588851	exonic	PPP4R1	18	9588086	9588851	1	1	0	1	0	0	765	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr19:10270333-10288043	exonic	DNMT1	19	10270333	10288043	1	1	0	1	0	0	17710	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr19:40964061-40964452	exonic	BLVRB	19	40964061	40964452	1	1	0	1	0	0	391	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr2:110579481-110582530	exonic	RGPD5, RGPLD6	2	110579481	110582530	1	1	0	1	0	0	3049	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr2:135075099-135076310	exonic	MGAT5	2	135075099	135076310	1	1	0	1	0	0	1211	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr3:63884074-63898901	exonic	ATXN7	3	63884074	63898901	1	1	0	1	0	0	14827	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr5:34823060-34824596	exonic	RAI14	5	34823060	34824596	1	1	0	1	0	0	1536	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr6:154533903-154544377	exonic	IPCEF1	6	154533903	154544377	1	1	0	1	0	0	10474	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr6:25515902-25540306	exonic	LRRC16A	6	25515902	25540306	1	1	0	1	0	0	24404	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr6:42600289-42604932	exonic	UBR2	6	42600289	42604932	1	1	0	1	0	0	4643	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr7:21695449-21730499	exonic	DNAH11	7	21695449	21730499	1	1	0	1	0	0	35050	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chrX:13762533-13767652	exonic	OFD1	X	13762533	13767652	1	1	0	1	0	0	5119	0.409574127	0.868524973	3.917646096	0.221695618	0.824550841	0.998252924	
chr3:152132729-152150709	exonic	MBNL1	3	152132729	152150709	5	6	4	5	0	3	17980	3.935878363	0.868997168	1.438880014	0.603939981	0.545883546	0.998252924	
chr12:105321750-105322472	exonic	SLC41A2	12	105321750	105322472	6	2	6	3	7	0	722	3.472213516	0.869792145	1.475468392	0.589502391	0.555524309	0.998252924	
chr6:20781375-20846409	exonic	CDKAL1	6	20781375	20846409	4	2	0	3	1	0	65034	1.304460947	0.870438435	2.308023724	0.377135827	0.706072668	0.998252924	
chr10:70218860-70229920	exonic	DNA2	10	70218860	70229920	4	0	0	0	2	0	11060	0.758002615	0.872144433	3.348986758	0.260420389	NA	NA	
chr13:50279756-50280508	exonic	KPNA3	13	50279756	50280508	4	0	0	0	2	0	752	0.758002615	0.872144433	3.348986758	0.260420389	NA	NA	
chr3:131181593-131190123	exonic	MRPL3	3	131181593	131190123	4	0	0	0	2	0	8530	0.758002615	0.872144433	3.348986758	0.260420389	NA	NA	
chr3:197592983-197598333	exonic	LRCH3	3	197592983	197598333	4	0	0	0	2	0	5350	0.758002615	0.872144433	3.348986758	0.260420389	NA	NA	
chr5:64081307-64100213	exonic	CWC27	5	64081307	64100213	4	0	0	0	2	0	18906	0.758002615	0.872144433	3.348986758	0.260420389	NA	NA	
chr5:10415599-10417516	exonic		6-Mar	5	10415599	10417516	21	9	2	10	7	2	1917	7.198489063	0.875159142	1.089905169	0.802968154	0.421993142	0.998252924
chr2:27822449-27824309	exonic	ZNF512	2	27822449	27824309	3	2	1	1	3	0	1860	1.402175103	0.876145663	2.1006986	0.417073474	0.676624666	0.998252924	
chr2:202410265-202446940	exonic	ALS2CR11	2	202410265	202446940	0	1	6	4	0	1	36675	2.091354102	0.876812244	2.051805425	0.427336936	NA	NA	
chr1:172520651-172560211	exonic	SUCO	1	172520651	172560211	0	4	0	2	1	0	39560	1.030753388	0.87711718	2.766739045	0.317022012	NA	NA	
chr1:172525008-172560211	exonic	SUCO	1	172525008	172560211	0	4	0	2	1	0	35203	1.030753388	0.87711718	2.766739045	0.317022012	NA	NA	
chr2:225400244-225422573	exonic	CUL3	2	225400244	225422573	4	9	1	4	6	0	22329	3.43310906	0.879317626	1.519748549	0.578594154	0.56286305	0.998252924	
chr2:208589523-208605430	exonic	CCNYL1	2	208589523	208605430	5	3	0	0	5	0	15907	1.77289922	0.879477847	2.241040216	0.392441796	NA	NA	
chr14:24679096-24681035	exonic	CHMP4A	14	24679096	24681035	6	2	0	2	3	0	1939	1.698178291	0.880225017	2.078607684	0.423468567	0.671953428	0.998252924	
chr1:1158623-1159348	exonic	SDF4	1	1158623	1159348	16	19	8	22	10	0	725	10.50230816	0.881999671	1.025281789	0.860250987	0.389650704	0.998252924	
chr5:80071512-80088663	exonic	MSH3	5	80071512	80088663	5	2	8	3	8	0	17151	3.858792046	0.882903377	1.44500769	0.611002545	NA	NA	
chr7:6854394-6862991	exonic	CCZ1B	7	6854394	6862991	2	3	3	2	0	2	8597	2.201668347	0.885613084	1.803258972	0.49111808	0.623342935	0.998252924	
chr12:50821544-50855130	exonic	LARP4	12	50821544	50855130	1	0	2	1	1	0	33586	0.750863801	0.886236449	2.876166434	0.308131142	0.757982545	0.998252924	

chr2:43939363-43986168	exonic	PLEKHH2	2	43939363	43986168	2	0	1	1	1	0	46805	0.750863801	0.886236449	2.876166434	0.308131142	0.757982545	0.998252924
chr2:135010666-135012215	exonic	MGAT5	2	135010666	135012215	8	4	5	7	5	0	1549	4.064660671	0.890286617	1.348775498	0.660070277	0.509208732	0.998252924
chr16:23113639-23119504	exonic	USP31	16	23113639	23119504	1	1	1	2	0	0	5865	0.713154538	0.891803561	2.923536208	0.305042763	0.760333584	0.998252924
chr19:37482077-37482748	exonic	ZNF568	19	37482077	37482748	1	1	1	2	0	0	671	0.713154538	0.891803561	2.923536208	0.305042763	0.760333584	0.998252924
chr5:137897268-137903411	exonic	HSPA9	5	137897268	137903411	1	1	1	2	0	0	6143	0.713154538	0.891803561	2.923536208	0.305042763	0.760333584	0.998252924
chr15:51039691-51041067	exonic	SPPL2A	15	51039691	51041067	0	2	1	0	2	0	1376	0.787875467	0.891877743	3.047103772	0.292696872	0.769753861	0.998252924
chr8:125520714-125528271	exonic	TATDN1	8	125520714	125528271	0	2	1	0	2	0	7557	0.787875467	0.891877743	3.047103772	0.292696872	0.769753861	0.998252924
chr5:73930508-73932323	exonic	ENC1	5	73930508	73932323	2	4	0	0	4	0	1815	1.439186769	0.89349519	2.427274363	0.368106384	0.712793911	0.998252924
chr3:57875767-57882659	exonic	SLMAP	3	57875767	57882659	5	5	4	5	5	0	6892	3.442083846	0.894109126	1.433084588	0.623905339	0.532689754	0.998252924
chr1:14057494-14075982	exonic	PRDM2	1	14057494	14075982	10	7	2	8	1	2	18488	4.492293793	0.895014771	1.309024923	0.683726303	0.494148011	0.998252924
chr21:45165959-45168961	exonic	PDXK	21	45165959	45168961	10	9	3	5	2	4	3002	5.456644901	0.895128226	1.192917044	0.750369215	0.453032367	0.998252924
chr3:182804480-182810333	exonic	MCCC1	3	182804480	182810333	0	2	3	2	2	0	5853	1.395036289	0.895261556	2.26180002	0.395818175	0.692239168	0.998252924
chr2:227729319-227732034	exonic	RHBDD1	2	227729319	227732034	2	7	8	4	9	0	2715	4.57054902	0.895692436	1.373654611	0.652050689	0.514368473	0.998252924
chrX:139865340-139866824	exonic	CDR1	X	139865340	139866824	773	1814	166	815	738	211	1484	689.5860072	0.895774452	0.688988957	1.300128896	0.193556796	0.998252924
chr20:47708582-47711500	exonic	CSE1L	20	47708582	47711500	0	3	0	1	1	0	2918	0.750166204	0.89725056	3.115900468	0.287958672	NA	NA
chr15:41988272-41991357	exonic	MGA	15	41988272	41991357	7	4	2	7	2	0	3085	2.980784386	0.897428566	1.554048836	0.577477712	NA	NA
chr1:155695172-155697529	exonic	DAP3	1	155695172	155697529	1	0	1	0	1	0	2357	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr1:198201682-198248191	exonic	NEK7	1	198201682	198248191	1	0	1	0	1	0	46509	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr1:235602083-235606226	exonic	TBCE	1	235602083	235606226	1	0	1	0	1	0	4143	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr10:103557736-103560157	exonic	MGEA5	10	103557736	103560157	1	0	1	0	1	0	2421	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr10:75478917-75481262	ncRNA_exonic	BMS1P4	10	75478917	75481262	1	0	1	0	1	0	2345	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr11:95546095-95546753	exonic	CEP57	11	95546095	95546753	1	0	1	0	1	0	658	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr12:69222550-69230529	exonic	MDM2	12	69222550	69230529	1	0	1	0	1	0	7979	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr12:90003713-90029028	exonic	ATP2B1	12	90003713	90029028	1	0	1	0	1	0	25315	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr13:20315704-20333558	exonic	PSPC1	13	20315704	20333558	1	0	1	0	1	0	17854	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr15:55619728-55626205	exonic	PIGB	15	55619728	55626205	1	0	1	0	1	0	6477	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr18:48444479-48450582	exonic	ME2	18	48444479	48450582	1	0	1	0	1	0	6103	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr20:37195875-37198494	exonic	RALGAPB	20	37195875	37198494	1	0	1	0	1	0	2619	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr3:112282231-112292803	exonic	SLC35A5	3	112282231	112292803	1	0	1	0	1	0	10572	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr3:50131152-50143142	exonic	RBM5	3	50131152	50143142	1	0	1	0	1	0	11990	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr7:122019421-122047750	exonic	CADPS2	7	122019421	122047750	1	0	1	0	1	0	28329	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr7:156549086-156619438	exonic	LMBR1	7	156549086	156619438	1	0	1	0	1	0	70352	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr8:124153000-124157095	exonic	TBC1D31	8	124153000	124157095	1	0	1	0	1	0	4095	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr8:124265561-124268411	exonic	ZHX1	8	124265561	124268411	1	0	1	0	1	0	2850	0.44728339	0.900346537	3.789764533	0.237573213	0.812212129	0.998252924
chr1:150307405-150307712	exonic	PRPF3	1	150307405	150307712	1	0	1	0	0	1	307	0.634474577	0.902011965	3.393401769	0.265813489	NA	NA

chr11:9430032-9435958	exonic	IPO7	11	9430032	9435958	1	0	1	0	0	1	5926	0.634474577	0.902011965	3.393401769	0.265813489	NA	NA
chr5:93294481-93388932	exonic	FAM172A	5	93294481	93388932	1	0	1	0	0	1	94451	0.634474577	0.902011965	3.393401769	0.265813489	NA	NA
chr2:206305093-206305396	exonic	PAR3B	2	206305093	206305396	3	3	6	5	4	0	303	3.109068992	0.903275866	1.51880929	0.594726324	0.552026423	0.998252924
chr1:51860052-51913807	exonic	EPS15	1	51860052	51913807	3	2	2	4	1	0	53755	1.67632344	0.903517437	1.94490718	0.464555556	NA	NA
chr3:129599151-129599402	UTR5	<small>TMC1 (NM_001017395:c.-51931..-52181del ins0)</small>	3	129599151	129599402	9	3	0	8	0	0	251	2.534200963	0.903559942	2.001112972	0.451528702	0.651608544	0.998252924
chr7:4088979-4091462	exonic	SDK1	7	4088979	4091462	0	3	1	2	1	0	2483	1.053746615	0.904344185	2.538863563	0.356200387	0.721690502	0.998252924
chr2:240929490-240946787	exonic	NDUFA10	2	240929490	240946787	8	3	7	9	4	0	17297	4.376518272	0.904878605	1.339934164	0.67531572	0.499475198	0.998252924
chr6:57058639-57075243	exonic	RAB23	6	57058639	57075243	10	4	5	7	6	0	16604	4.443661979	0.905137006	1.309416732	0.691252054	0.489407156	0.998252924
chr19:30462099-30477324	exonic	URI1	19	30462099	30477324	3	2	2	3	0	1	15225	1.757203242	0.906741936	1.93966772	0.467472819	0.640161635	0.998252924
chr22:46088875-46136418	exonic	ATXN10	22	46088875	46136418	7	6	0	8	1	0	47543	2.920081897	0.906776527	1.760405668	0.51509521	NA	NA
chr7:158552176-158591763	exonic	ESYT2	7	158552176	158591763	2	7	3	5	0	2	39587	3.217705699	0.906794646	1.579954827	0.573937071	0.566010386	0.998252924
chr7:158557367-158590767	exonic	ESYT2	7	158557367	158590767	2	7	3	5	0	2	33400	3.217705699	0.906794646	1.579954827	0.573937071	0.566010386	0.998252924
chr9:88233897-88248289	exonic	AGTPBP1	9	88233897	88248289	11	5	6	7	6	1	14392	5.252412355	0.90875638	1.160342723	0.783179281	0.43352184	0.998252924
chr3:183368083-183390272	exonic	KLHL24	3	183368083	183390272	6	2	0	3	2	0	22189	1.683462254	0.909418383	2.083514321	0.436482905	0.6624864	0.998252924
chr2:171884848-171902872	exonic	TLK1	2	171884848	171902872	0	1	3	0	3	0	18024	1.129165141	0.909720853	2.684596455	0.33886689	0.734710008	0.998252924
chr6:90461149-90463341	exonic	MDN1	6	90461149	90463341	0	1	3	0	3	0	2192	1.129165141	0.909720853	2.684596455	0.33886689	0.734710008	0.998252924
chr14:99723807-99724173	exonic	BCL11B	14	99723807	99724173	19	6	8	17	5	0	366	2.06290197	0.910234076	1.790586925	0.508343976	0.611212135	0.998252924
chr20:34309661-34313077	exonic	RBM39	20	34309661	34313077	4	7	3	5	3	1	3416	3.530543241	0.912462371	1.369813447	0.666121634	0.505333358	0.998252924
chr4:41015599-41016415	exonic	APBB2	4	41015599	41016415	6	2	2	7	0	0	816	2.261191002	0.912894007	1.893188641	0.482199178	NA	NA
chrX:47705503-47755339	exonic	ZNF81	X	47705503	47755339	11	1	2	7	2	0	49836	2.97390476	0.914562908	1.627248194	0.562030372	NA	NA
chr13:99890680-99896878	exonic	UBAC2	13	99890680	99896878	13	10	13	13	13	0	6198	8.939490069	0.917793278	1.042528838	0.880352893	0.378668167	0.998252924
chr1:85331067-85331821	exonic	LPAR3	1	85331067	85331821	12	14	4	20	2	0	754	7.145063149	0.918630413	1.23437119	0.744209214	NA	NA
chr10:17746429-17747740	exonic	STAM	10	17746429	17747740	1	4	7	0	9	0	1311	3.296220114	0.918944969	1.748492882	0.525564032	0.599191153	0.998252924
chr14:80163972-80271533	exonic	NRXN3	14	80163972	80271533	2	3	2	3	2	0	107561	1.736328333	0.91920641	1.899745822	0.483857577	0.62848695	0.998252924
chr17:1264385-1265302	exonic	YWHAE	17	1264385	1265302	5	7	12	9	7	1	917	6.344306641	0.919878276	1.122653776	0.819378419	0.412570544	0.998252924
chr15:41581770-41582412	ncRNA_intronic	OIP5-AS1	15	41581770	41582412	4	2	0	4	0	0	642	1.28974491	0.920479756	2.509808744	0.366752948	NA	NA
chr14:23395341-23396869	exonic	PRMT5	14	23395341	23396869	6	13	2	10	1	2	1528	5.234623587	0.925845859	1.285933701	0.719979465	0.471537639	0.998252924
chr2:144966169-144969146	exonic	GTDC1	2	144966169	144969146	7	4	1	6	0	1	2977	2.743367741	0.926748904	1.681040876	0.551294688	0.58143168	0.998252924
chr9:111812562-111812972	exonic	TMEM245	9	111812562	111812972	5	3	0	2	3	0	410	1.743467147	0.926889067	2.048738052	0.452419511	0.650966794	0.998252924
chr15:76576097-76585041	exonic	ETFA	15	76576097	76585041	3	1	3	4	1	0	8944	1.699316666	0.928516319	1.959441487	0.473867847	0.635594149	0.998252924
chr8:68939456-68973014	exonic	PREX2	8	68939456	68973014	4	0	2	3	1	0	33558	1.350447399	0.928589488	2.286462574	0.406124945	0.684650798	0.998252924
chr4:187627716-187630999	exonic	FAT1	4	187627716	187630999	7	19	0	7	9	1	3283	6.355793883	0.929435497	1.310940614	0.708983677	0.478334606	0.998252924
chr10:126370175-126395456	exonic	FAM53B	10	126370175	126395456	0	4	0	3	0	0	25281	1.016037352	0.929919529	3.01735588	0.308190206	NA	NA
chr10:27049601-27051181	intronic	ABI1	10	27049601	27051181	0	4	0	3	0	0	1580	1.016037352	0.929919529	3.01735588	0.308190206	NA	NA
chr10:31644073-31676727	intronic	ZEB1	10	31644073	31676727	0	4	0	3	0	0	32654	1.016037352	0.929919529	3.01735588	0.308190206	NA	NA

chr7:16255690-16317851	exonic	ISPD	7	16255690	16317851	0	4	0	3	0	0	62161	1.016037352	0.929919529	3.01735588	0.308190206	NA	NA
chr1:104108056-104118162	exonic	AMY2B	1	104108056	104118162	17	10	10	17	9	0	10106	8.804766617	0.93017938	1.049551097	0.886264025	0.37547527	0.998252924
chr1:44773981-44804994	exonic	ERI3	1	44773981	44804994	3	2	0	3	1	0	31013	1.349749803	0.930909355	2.27858567	0.408547007	0.682872127	0.998252924
chr7:129679303-129688984	exonic	ZC3HC1	7	129679303	129688984	3	3	0	3	1	0	9681	1.349749803	0.930909355	2.27858567	0.408547007	0.682872127	0.998252924
chr14:97299803-97327072	exonic	VRK1	14	97299803	97327072	2	9	6	9	0	2	27269	4.583309914	0.932063693	1.425545735	0.653829386	0.513221732	0.998252924
chr1:93029198-93101893	exonic	EVI5	1	93029198	93101893	5	6	2	6	3	0	72695	3.086078136	0.932835592	1.520413524	0.613540709	0.539518874	0.998252924
chr3:33441680-33467233	exonic	UBP1	3	33441680	33467233	4	0	0	1	1	0	25553	0.743286578	0.933856526	3.111021279	0.300176836	NA	NA
chr3:71090478-71096246	exonic	FOXP1	3	71090478	71096246	4	0	0	1	1	0	5768	0.743286578	0.933856526	3.111021279	0.300176836	NA	NA
chr5:72850146-72857113	exonic	ANKRA2	5	72850146	72857113	3	0	4	3	2	0	6967	1.737025929	0.934680718	2.065083153	0.452611662	0.6508284	0.998252924
chr6:160819010-160831878	exonic	SLC22A3	6	160819010	160831878	3	8	1	0	4	2	12868	3.078983151	0.93615176	1.644332204	0.569320334	NA	NA
chr9:134312006-134314448	exonic	PRRC2B	9	134312006	134314448	4	2	3	2	4	0	2442	2.153038903	0.937590038	1.745506192	0.537145066	0.591167414	0.998252924
chr8:17123415-17143936	exonic	VPS37A	8	17123415	17143936	2	1	4	2	3	0	20521	1.797030822	0.938417598	1.914257172	0.490225458	0.623974368	0.998252924
chr10:115636279-115644139	exonic	NHLRC2	10	115636279	115644139	3	0	3	1	3	0	7860	1.448161555	0.942197666	2.233309481	0.421884058	0.673109647	0.998252924
chr13:75876378-75880607	exonic	TBC1D4	13	75876378	75880607	0	1	2	0	2	0	4229	0.810868694	0.94223757	3.018538634	0.312150244	0.754926344	0.998252924
chr16:18809246-18810156	exonic	ARL6IP1	16	18809246	18810156	0	1	2	0	2	0	910	0.810868694	0.94223757	3.018538634	0.312150244	0.754926344	0.998252924
chr2:170387096-170401345	exonic	FASTKD1	2	170387096	170401345	0	1	2	0	2	0	14249	0.810868694	0.94223757	3.018538634	0.312150244	0.754926344	0.998252924
chr19:47858295-47858607	exonic	DHX34	19	47858295	47858607	0	2	1	1	1	0	312	0.773159431	0.942272656	2.85005945	0.330615088	0.740935248	0.998252924
chr4:54265896-54294350	exonic	FIP1L1	4	54265896	54294350	4	3	7	3	3	2	28454	3.718111985	0.943631315	1.354247697	0.696793738	0.485931886	0.998252924
chr16:30675535-30678943	exonic	FBRS	16	30675535	30678943	4	1	0	3	0	0	3408	1.009157726	0.945135271	2.761754329	0.34222279	0.732183236	0.998252924
chr17:973208-1003975	exonic	ABR	17	973208	1003975	1	0	2	2	0	0	30767	0.736147764	0.951097313	3.116237602	0.30520693	0.760208554	0.998252924
chr19:9643520-9645955	exonic	ZNF426	19	9643520	9645955	1	0	2	2	0	0	2435	0.736147764	0.951097313	3.116237602	0.30520693	0.760208554	0.998252924
chr2:206992520-207017234	exonic	NDUFS1	2	206992520	207017234	1	0	2	2	0	0	24714	0.736147764	0.951097313	3.116237602	0.30520693	0.760208554	0.998252924
chr7:29070192-29103850	exonic	CPVL	7	29070192	29103850	1	0	2	2	0	0	33658	0.736147764	0.951097313	3.116237602	0.30520693	0.760208554	0.998252924
chr9:114296018-114296633	exonic	ZNF483	9	114296018	114296633	1	0	2	2	0	0	615	0.736147764	0.951097313	3.116237602	0.30520693	0.760208554	0.998252924
chr9:140611077-140611634	exonic	EHMT1	9	140611077	140611634	1	0	2	2	0	0	557	0.736147764	0.951097313	3.116237602	0.30520693	0.760208554	0.998252924
chr1:58971731-59002413	exonic	OMA1	1	58971731	59002413	11	14	6	8	8	0	30682	4.801293044	0.951952788	1.195806234	0.796076121	0.425987793	0.998252924
chr1:163122339-163138158	exonic	RGS5	1	163122339	163138158	1	0	1	1	0	0	15819	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr1:243675625-243736350	exonic	AKT3	1	243675625	243736350	1	0	1	1	0	0	60725	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr1:27120603-27121725	exonic	PIGV	1	27120603	27121725	1	0	1	1	0	0	1122	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr11:117115160-117117664	exonic	RNF214	11	117115160	117117664	1	0	1	1	0	0	2504	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr11:46455023-46456587	exonic	AMBRA1	11	46455023	46456587	1	0	1	1	0	0	1564	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr11:85468667-85469157	exonic	SYTL2	11	85468667	85469157	1	0	1	1	0	0	490	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr17:20135070-20135718	exonic	SPECC1	17	20135070	20135718	1	0	1	1	0	0	648	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr17:65924470-65925603	exonic	BPTF	17	65924470	65925603	1	0	1	1	0	0	1133	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr2:131883325-131888333	exonic	PLEKHB2	2	131883325	131888333	1	0	1	1	0	0	5008	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924

chr2:136620176-136622733	exonic	MCM6	2	136620176	136622733	1	0	1	1	0	0	2557	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr2:201997751-202005162	exonic	CFLAR	2	201997751	202005162	1	0	1	1	0	0	7411	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr20:50139619-50140649	exonic	NFATC2	20	50139619	50140649	1	0	1	1	0	0	1030	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr5:111519712-111545679	exonic	EPB41L4A	5	111519712	111545679	1	0	1	1	0	0	25967	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr5:134010304-134011815	exonic	SEC24A	5	134010304	134011815	1	0	1	1	0	0	1511	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr6:151116991-151125877	exonic	PLEKHG1	6	151116991	151125877	1	0	1	1	0	0	8886	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr6:610097-619543	exonic	EXOC2	6	610097	619543	1	0	1	1	0	0	9446	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr9:6477621-6482099	exonic	UHRF2	9	6477621	6482099	1	0	1	1	0	0	4478	0.432567353	0.954754641	3.838772628	0.248713517	0.803582392	0.998252924
chr7:77200394-77214898	exonic	PTPN12	7	77200394	77214898	0	6	0	0	0	2	14504	1.662092012	0.957941685	2.607059962	0.36744137	NA	NA
chr8:95706740-95710109	exonic	ESRP1	8	95706740	95710109	0	6	0	0	0	2	3369	1.662092012	0.957941685	2.607059962	0.36744137	NA	NA
chr13:61013821-61060082	exonic	TDRD3	13	61013821	61060082	0	3	1	3	0	0	46261	1.039030578	0.958289663	2.752421298	0.348162421	0.727718208	0.998252924
chr2:209150449-209153542	exonic	PIKFYVE	2	209150449	209153542	0	0	4	0	3	0	3093	1.152158367	0.958776228	2.899767388	0.330639013	NA	NA
chr3:111632165-111639266	exonic	PHLDB2	3	111632165	111639266	10	2	2	8	1	0	7101	3.00447758	0.958883492	1.621691691	0.591285938	NA	NA
chr2:64778576-64780543	exonic	AFTPH	2	64778576	64780543	3	4	2	1	3	1	1967	2.256214335	0.960826277	1.664781003	0.577148752	0.563838974	0.998252924
chr5:138979956-138994551	exonic	UBE2D2	5	138979956	138994551	6	0	9	0	6	2	14595	3.891944635	0.9611654	1.642549497	0.58516678	0.55843558	0.998252924
chr6:158703295-158735300	exonic	TULP4	6	158703295	158735300	21	50	16	22	33	3	32005	21.83623138	0.962029042	0.813388119	1.182742924	0.236911047	0.998252924
chr1:110203787-110214205	exonic	GSTM2, GSTM4	1	110203787	110214205	0	3	0	2	0	0	10418	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr1:110947593-110947892	intronic	LAMTOR5	1	110947593	110947892	0	3	0	2	0	0	299	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr1:237550580-237632487	exonic	RYR2	1	237550580	237632487	0	3	0	2	0	0	81907	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr10:22005531-22007747	intronic	MLLT10	10	22005531	22007747	0	3	0	2	0	0	2216	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr10:74474869-74475660	intronic	MCU	10	74474869	74475660	0	3	0	2	0	0	791	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr13:41507606-41515506	exonic	ELF1	13	41507606	41515506	0	3	0	2	0	0	7900	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr18:10534463-10550251	exonic	NAPG	18	10534463	10550251	0	3	0	2	0	0	15788	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr18:39617655-39629569	exonic	PIK3C3	18	39617655	39629569	0	3	0	2	0	0	11914	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr2:111525944-111562972	exonic	ACOXL	2	111525944	111562972	0	3	0	2	0	0	37028	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr2:86088303-86090608	exonic	ST3GAL5	2	86088303	86090608	0	3	0	2	0	0	2305	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr5:179268906-179271227	exonic	C5orf45	5	179268906	179271227	0	3	0	2	0	0	2321	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr7:156589082-156629579	exonic	LMBR1	7	156589082	156629579	0	3	0	2	0	0	40497	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr8:104258522-104258912	intergenic	BAALC(dist=15989), FZD6(dist=51749)	8	104258522	104258912	0	3	0	2	0	0	390	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr8:42716887-42743014	exonic	RNF170	8	42716887	42743014	0	3	0	2	0	0	26127	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr8:42720558-42743014	exonic	RNF170	8	42720558	42743014	0	3	0	2	0	0	22456	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr8:81621602-81625240	intronic	ZNF704	8	81621602	81625240	0	3	0	2	0	0	3638	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr8:99718695-99735197	exonic	STK3	8	99718695	99735197	0	3	0	2	0	0	16502	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr9:19316414-19316837	exonic	DENND4C	9	19316414	19316837	0	3	0	2	0	0	423	0.735450168	0.962282415	3.397850668	0.283203269	NA	NA
chr4:25848915-25849486	exonic	SEL1L3	4	25848915	25849486	0	3	2	4	0	0	571	1.342610989	0.962816829	2.49772502	0.385477513	NA	NA

chr3:138289159-138291774	exonic	CEP70	3	138289159	138291774	12	14	9	12	8	2	2615	8.623518944	0.963342885	0.958583136	1.004965401	0.31491351	0.998252924
chr4:129857809-129925031	exonic	SCLT1	4	129857809	129925031	6	4	1	3	2	1	67222	2.537501486	0.964468448	1.585053513	0.6084769	0.542871222	0.998252924
chrX:118544153-118560317	exonic	SLC25A43	X	118544153	118560317	14	3	2	10	2	0	16164	4.028351342	0.964983101	1.455260991	0.663099682	NA	NA
chrGL000220.1:121605-123082	intergenic	NONE (dist=NONE), NONE (dist=NONE)	GL000220.1	121605	123082	6	7	4	10	2	0	1477	4.088097047	0.965282256	1.393292104	0.692806809	NA	NA
chr15:68434283-68439038	exonic	PIAS1	15	68434283	68439038	3	5	1	3	3	0	4755	2.13762527	0.965637525	1.774238716	0.544254567	0.586266306	0.998252924
chr12:105303432-105322472	exonic	SLC41A2	12	105303432	105322472	1	4	1	0	4	0	19040	1.507468852	0.968989093	2.246968911	0.431242768	NA	NA
chr6:2263835-2273651	ncRNA_exonic	GMD5-AS1	6	2263835	2273651	9	9	2	6	7	0	9816	4.608962991	0.969203773	1.325940364	0.73095578	0.464806164	0.998252924
chr11:68359043-68367962	exonic	PPP6R3	11	68359043	68367962	2	0	6	4	2	0	8919	2.108888423	0.970814804	1.957856728	0.495855897	0.619996084	0.998252924
chr1:235600636-235606226	exonic	TBCE	1	235600636	235606226	3	0	2	0	3	0	5590	1.144581145	0.970944735	2.629444419	0.369258513	NA	NA
chr18:9182379-9208801	exonic	ANKRD12	18	9182379	9208801	3	0	2	0	3	0	26422	1.144581145	0.970944735	2.629444419	0.369258513	NA	NA
chr14:99723807-99724176	exonic	BCL11B	14	99723807	99724176	19	6	8	17	5	0	369	5.818243351	0.972572749	1.231920167	0.78947709	NA	NA
chr5:52157280-52161651	exonic	ITGA1	5	52157280	52161651	0	3	1	0	1	1	4371	1.149342453	0.972678076	2.519902689	0.385998269	0.699497951	0.998252924
chr1:10155518-10165802	exonic	UBE4B	1	10155518	10165802	2	2	3	4	1	0	10284	1.744605523	0.973177678	1.927904861	0.504785116	NA	NA
chr8:104417003-104420012	exonic	SLC25A32	8	104417003	104420012	2	3	0	0	3	0	3009	1.143883548	0.973887467	2.630722498	0.370197719	0.711235176	0.998252924
chr10:75214169-75239275	exonic	PPP3CB	10	75214169	75239275	3	2	0	2	1	0	25106	1.069162619	0.974944085	2.484000744	0.39248945	0.694696605	0.998252924
chr10:125798030-125806240	exonic	CHST15	10	125798030	125806240	2	5	7	3	5	1	8210	3.742525933	0.976261566	1.378792109	0.708056667	0.478910689	0.998252924
chr18:46783379-46906128	exonic	DYM	18	46783379	46906128	0	1	3	2	1	0	122749	1.099733068	0.977612673	2.508360406	0.38974171	0.696727551	0.998252924
chr13:52971366-52972329	exonic	THSD1	13	52971366	52972329	4	2	4	6	1	0	963	2.412471204	0.978543844	1.710509489	0.572077414	NA	NA
chr16:53288349-53308214	exonic	CHD9	16	53288349	53308214	11	3	5	4	4	2	19865	4.453821341	0.980718665	1.246383772	0.786851279	0.431368931	0.998252924
chr1:41512078-41541123	exonic	SCMH1	1	41512078	41541123	3	1	0	0	2	0	29045	0.803291471	0.980844337	3.005827353	0.326314263	0.744186598	0.998252924
chr13:46559431-46594692	exonic	ZC3H13	13	46559431	46594692	3	1	0	0	2	0	35261	0.803291471	0.980844337	3.005827353	0.326314263	0.744186598	0.998252924
chr18:74561481-74583781	exonic	ZNF236	18	74561481	74583781	3	1	0	0	2	0	22300	0.803291471	0.980844337	3.005827353	0.326314263	0.744186598	0.998252924
chr5:170610170-170632616	exonic	RANBP17	5	170610170	170632616	14	15	6	7	9	0	22446	0.803291471	0.980844337	3.005827353	0.326314263	0.744186598	0.998252924
chr3:171965322-172016577	exonic	FNDC3B	3	171965322	172016577	2	0	0	2	2	1	51255	2.272766344	0.9815938	1.859612308	0.527848625	NA	NA
chr5:94224583-94248681	exonic	MCTP1	5	94224583	94248681	3	3	0	4	0	0	24098	1.335033766	0.982551969	2.476832761	0.396696937	NA	NA
chr8:16955967-16977910	exonic	MICU3	8	16955967	16977910	3	3	0	4	0	0	21943	1.335033766	0.982551969	2.476832761	0.396696937	NA	NA
chr7:111448876-111474742	exonic	DOCK4	7	111448876	111474742	4	0	1	3	0	0	25866	1.032150952	0.983080905	2.74249382	0.358462396	0.719997304	0.998252924
chr1:155385534-155429689	exonic	ASH1L	1	155385534	155429689	4	2	3	4	2	0	44155	2.12360683	0.984250944	1.750665527	0.5622153	0.573969338	0.998252924
chr16:9009110-9011013	exonic	USP7	16	9009110	9011013	5	5	5	3	5	1	1903	3.73494871	0.984688974	1.331163406	0.739720586	0.459469554	0.998252924
chr14:81209418-81244390	exonic	CEP128	14	81209418	81244390	4	4	4	3	5	0	34972	2.926198334	0.985067292	1.538155928	0.640420957	0.521898962	0.998252924
chr8:97847200-97892233	exonic	CPQ	8	97847200	97892233	5	1	2	3	2	0	45033	1.774737563	0.988567255	1.905495505	0.518797999	0.603901614	0.998252924
chr11:3752620-3756554	exonic	NUP98	11	3752620	3756554	0	2	0	0	0	1	3934	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr11:70218320-70224301	exonic	PPF1A1	11	70218320	70224301	0	2	0	0	0	1	5981	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr15:43250210-43262805	exonic	UBR1	15	43250210	43262805	0	2	0	0	0	1	12595	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr15:58919898-58925558	exonic	ADAM10	15	58919898	58925558	0	2	0	0	0	1	5660	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA

chr16:69718792-69728142	exonic	NFAT5	16	69718792	69728142	0	2	0	0	0	1	9350	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr16:90097583-90099332	exonic	GAS8	16	90097583	90099332	0	2	0	0	0	1	1749	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr2:242593960-242594758	exonic	ATG4B	2	242593960	242594758	0	2	0	0	0	1	798	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr2:28999716-29016863	exonic	PPP1CB	2	28999716	29016863	0	2	0	0	0	1	17147	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr21:37661053-37664531	exonic	DOPEY2	21	37661053	37664531	0	2	0	0	0	1	3478	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr3:186756529-186769134	exonic	ST6GAL1	3	186756529	186769134	0	2	0	0	0	1	12605	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr6:101214440-101253756	exonic	ASCC3	6	101214440	101253756	0	2	0	0	0	1	39316	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr9:33886878-33912096	exonic	UBE2R2	9	33886878	33912096	0	2	0	0	0	1	25218	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chrX:10031484-10078060	exonic	WWC3	X	10031484	10078060	0	2	0	0	0	1	46576	0.656770207	0.989683753	3.626116271	0.272932162	NA	NA
chr1:176085759-176105683	exonic	RFWD2	1	176085759	176105683	0	2	0	0	1	0	19924	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr1:21091869-21107033	exonic	HP1BP3	1	21091869	21107033	0	2	0	0	1	0	15164	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr1:35824525-35835714	exonic	ZMYM4	1	35824525	35835714	0	2	0	0	1	0	11189	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr10:71151880-71158584	exonic	HK1	10	71151880	71158584	0	2	0	0	1	0	6704	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr11:1000431-1003804	exonic	AP2A2	11	1000431	1003804	0	2	0	0	1	0	3373	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr11:111622882-111624301	exonic	PPP2R1B	11	111622882	111624301	0	2	0	0	1	0	1419	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr11:89155069-89185059	exonic	NOX4	11	89155069	89185059	0	2	0	0	1	0	29990	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr12:123702922-123707674	exonic	MPHOSPH9	12	123702922	123707674	0	2	0	0	1	0	4752	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr13:21163949-21205241	exonic	IFT88	13	21163949	21205241	0	2	0	0	1	0	41292	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr15:100138634-100173378	exonic	MEF2A	15	100138634	100173378	0	2	0	0	1	0	34744	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr15:25599499-25605674	exonic	UBE3A	15	25599499	25605674	0	2	0	0	1	0	6175	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr15:64495280-64508912	exonic	CSNK1G1	15	64495280	64508912	0	2	0	0	1	0	13632	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr15:93480747-93482948	exonic	CHD2	15	93480747	93482948	0	2	0	0	1	0	2201	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr16:11969617-11990642	exonic	GSPT1	16	11969617	11990642	0	2	0	0	1	0	21025	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr16:67100584-67116242	exonic	CBFB	16	67100584	67116242	0	2	0	0	1	0	15658	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr16:74334012-74336190	exonic	PSMD7	16	74334012	74336190	0	2	0	0	1	0	2178	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr17:57987922-58011885	exonic	RPS6KB1	17	57987922	58011885	0	2	0	0	1	0	23963	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr17:57987922-58012661	exonic	RPS6KB1	17	57987922	58012661	0	2	0	0	1	0	24739	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr18:60015400-60017170	exonic	TNFRSF11A	18	60015400	60017170	0	2	0	0	1	0	1770	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr19:11015626-11019883	exonic	CARM1	19	11015626	11019883	0	2	0	0	1	0	4257	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr2:10742901-10747437	exonic	NOL10	2	10742901	10747437	0	2	0	0	1	0	4536	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr2:223791734-223799405	exonic	ACSL3	2	223791734	223799405	0	2	0	0	1	0	7671	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr2:55535944-55536390	exonic	CCDC88A	2	55535944	55536390	0	2	0	0	1	0	446	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr22:41537051-41551117	exonic	EP300	22	41537051	41551117	0	2	0	0	1	0	14066	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr3:11643306-11744521	exonic	VGLL4	3	11643306	11744521	0	2	0	0	1	0	101215	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr3:169824619-169867032	exonic	PHC3	3	169824619	169867032	0	2	0	0	1	0	42413	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924

chr3:4490949-4494733	exonic	SUMF1	3	4490949	4494733	0	2	0	0	1	0	3784	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr4:151771875-151774095	exonic	LRBA	4	151771875	151774095	0	2	0	0	1	0	2220	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr4:4458917-4473433	exonic	STX18	4	4458917	4473433	0	2	0	0	1	0	14516	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr5:100191806-100231489	exonic	ST8SIA4	5	100191806	100231489	0	2	0	0	1	0	39683	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr5:145197456-145202697	exonic	PRELID2	5	145197456	145202697	0	2	0	0	1	0	5241	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr5:56531792-56545403	exonic	GPBP1	5	56531792	56545403	0	2	0	0	1	0	13611	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr5:78692645-78746944	exonic	HOMER1	5	78692645	78746944	0	2	0	0	1	0	54299	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr7:22259484-22306631	exonic	RAPGEF5	7	22259484	22306631	0	2	0	0	1	0	47147	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr7:74162351-74163788	exonic	GTF2I	7	74162351	74163788	0	2	0	0	1	0	1437	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr7:74193427-74195181	exonic	NCF1	7	74193427	74195181	0	2	0	0	1	0	1754	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr7:91972337-92000921	exonic	ANKIB1	7	91972337	92000921	0	2	0	0	1	0	28584	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr7:92921014-92926555	exonic	VPS50	7	92921014	92926555	0	2	0	0	1	0	5541	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr8:101540072-101542088	exonic	ANKRD46	8	101540072	101542088	0	2	0	0	1	0	2016	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr8:16921592-16948093	exonic	MICU3	8	16921592	16948093	0	2	0	0	1	0	26501	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr8:28902877-28906565	exonic	HMBX1	8	28902877	28906565	0	2	0	0	1	0	3688	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chrX:129790554-129813722	exonic	ENOX2	X	129790554	129813722	0	2	0	0	1	0	23168	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chrX:147007057-147027136	exonic	FMR1	X	147007057	147027136	0	2	0	0	1	0	20079	0.46957902	0.989790126	4.027566469	0.24575389	0.805872753	0.998252924
chr1:193110979-193121574	exonic	CDC73	1	193110979	193121574	4	0	0	2	0	0	10595	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr1:224142179-224149975	ncRNA_exonic	GTF2IP20	1	224142179	224149975	4	0	0	2	0	0	7796	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr10:32740520-32770710	exonic	CCDC7	10	32740520	32770710	4	0	0	2	0	0	30190	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr11:120276826-120302620	exonic	ARHGEF12	11	120276826	120302620	4	0	0	2	0	0	25794	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr11:128638012-128642880	exonic	FLI1	11	128638012	128642880	4	0	0	2	0	0	4868	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr12:5860001-5963307	exonic	ANO2	12	5860001	5963307	4	0	0	2	0	0	103306	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr13:102220049-102250649	exonic	ITGBL1	13	102220049	102250649	4	0	0	2	0	0	30600	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr17:20658772-20677355	intergenic	<small>LOC100287072 (dist=17594), CCDC148L (dist=49053)</small>	17	20658772	20677355	4	0	0	2	0	0	18583	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr17:3608392-3608939	intergenic	<small>P2RX5-TAX1BP3 (dist=8694), ITGAE (dist=8980)</small>	17	3608392	3608939	4	0	0	2	0	0	547	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr19:6230580-6270770	exonic	MLLT1	19	6230580	6270770	4	0	0	2	0	0	40190	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr2:242694460-242695429	exonic	D2HGDH	2	242694460	242695429	4	0	0	2	0	0	969	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr2:68364430-68368927	exonic	WDR92	2	68364430	68368927	4	0	0	2	0	0	4497	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr3:47663696-47719801	exonic	SMARCC1	3	47663696	47719801	4	0	0	2	0	0	56105	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr4:129913321-129960251	exonic	SCLT1	4	129913321	129960251	4	0	0	2	0	0	46930	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr4:148785996-148803083	exonic	ARHGAP10	4	148785996	148803083	4	0	0	2	0	0	17087	0.728570541	0.989879026	3.395322847	0.291541945	NA	NA
chr13:41517087-41518061	exonic	ELF1	13	41517087	41518061	2	4	0	3	1	0	974	1.395038659	0.990478523	2.267259131	0.436861631	0.662211699	0.998252924
chr10:90653628-90665417	exonic	STAMBPL1	10	90653628	90665417	2	6	2	5	2	0	11789	2.4717785	0.991132615	1.688541852	0.586975451	0.557220194	0.998252924
chr2:61340905-61345251	exonic	KIAA1841	2	61340905	61345251	5	3	9	7	5	0	4346	4.292500146	0.993059805	1.360435642	0.72995721	NA	NA

chr3:136117590-136141886	exonic	STAG1	3	136117590	136141886	0	2	2	3	0	0	24296	1.062023805	0.995191295	2.714099648	0.36667456	NA	NA
chr12:100166699-100175875	exonic	ANKS1B	12	100166699	100175875	6	0	0	0	3	0	9176	1.137003922	0.996197396	2.892191155	0.344443829	NA	NA
chr9:33351557-33352717	exonic	NFX1	9	33351557	33352717	4	3	9	2	9	0	1160	4.116065965	0.99642783	1.43768171	0.693079576	NA	NA
chr5:56542126-56546968	exonic	GPBP1	5	56542126	56546968	9	8	10	6	10	1	4842	6.684140271	0.99805811	1.078996543	0.92498731	0.354972508	0.998252924
chr16:18851019-18853776	exonic	SMG1	16	18851019	18853776	5	2	1	4	1	0	2757	1.7370283	0.99838667	1.944577882	0.513420768	NA	NA
chr10:88911106-88912636	exonic	FAM35A	10	88911106	88912636	2	1	4	4	1	0	1530	1.767598749	0.998762382	1.951251598	0.511857304	NA	NA
chr10:125780771-125806240	exonic	CHST15	10	125780771	125806240	0	0	3	0	2	0	25469	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr13:50054354-50057699	exonic	SETDB2	13	50054354	50057699	0	0	3	0	2	0	3345	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr15:33149215-33194241	exonic	FMN1	15	33149215	33194241	0	0	3	0	2	0	45026	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr15:43122135-43132631	exonic	TTBK2	15	43122135	43132631	0	0	3	0	2	0	10496	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr15:72324834-72338975	exonic	MYO9A	15	72324834	72338975	0	0	3	0	2	0	14141	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr17:44380003-44400393	exonic	LRRC37A	17	44380003	44400393	0	0	3	0	2	0	20390	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr17:64059081-64092750	exonic	CEP112	17	64059081	64092750	0	0	3	0	2	0	33669	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr2:112825689-112828973	intronic	TMEM87B	2	112825689	112828973	0	0	3	0	2	0	3284	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr2:54278095-54284497	intergenic	<small>PSME4 (dist=80118), ACPY2 (dist=57913)</small>	2	54278095	54284497	0	0	3	0	2	0	6402	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr20:39741421-39742795	exonic	TOP1	20	39741421	39742795	0	0	3	0	2	0	1374	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr4:169157402-169158946	exonic	DDX60	4	169157402	169158946	0	0	3	0	2	0	1544	0.83386192	0.999001591	3.253940259	0.307012886	NA	NA
chr1:1747194-1770677	exonic	GNB1	1	1747194	1770677	8	7	8	2	7	3	23483	5.814448889	1.001603883	1.147447411	0.872897418	0.382718994	0.998252924
chr19:33406242-33409245	exonic	CEP89	19	33406242	33409245	2	2	1	0	3	0	3003	1.166876775	1.001654893	2.423023558	0.413390489	NA	NA
chr20:51870037-51873110	exonic	TSHZ2	20	51870037	51873110	3	0	1	0	2	0	3073	1.166876775	1.001654893	2.423023558	0.413390489	NA	NA
chr2:215632205-215646233	exonic	BARD1	2	215632205	215646233	6	6	6	3	3	3	14028	4.609862852	1.001878378	1.236233348	0.810428209	0.417694111	0.998252924
chr2:106774513-106782539	exonic	UXS1	2	106774513	106782539	23	6	2	15	4	0	8026	6.485672994	1.002984314	1.266561097	0.791895722	0.428421482	0.998252924
chr1:247319708-247323115	exonic	ZNF124	1	247319708	247323115	43	52	37	19	52	8	3407	32.68682516	1.003644083	0.699465646	1.43487259	NA	NA
chr8:133734285-133764243	exonic	TMEM71	8	133734285	133764243	4	0	0	4	0	0	29958	1.129167512	1.007327906	2.445555411	0.411901485	0.680411632	0.998252924
chr1:32502510-32504220	exonic	KHDRBS1	1	32502510	32504220	0	2	1	2	0	0	1710	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr10:116247716-116251637	exonic	ABLIM1	10	116247716	116251637	0	2	1	2	0	0	3921	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr17:37646809-37649143	exonic	CDK12	17	37646809	37649143	0	2	1	2	0	0	2334	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr2:27656120-27660227	exonic	NRBP1	2	27656120	27660227	0	2	1	2	0	0	4107	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr3:128525214-128526514	exonic	RAB7A	3	128525214	128526514	0	2	1	2	0	0	1300	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr4:103610730-103647840	exonic	MANBA	4	103610730	103647840	0	2	2	2	0	0	37110	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr4:170498078-170520348	exonic	NEK1	4	170498078	170520348	0	2	1	2	0	0	22270	0.758443394	1.007664305	3.085476268	0.326583068	0.743983252	0.998252924
chr2:49026445-49036780	intergenic	<small>STON1-GFP2A1L (dist=22789), FSNR (dist=152510)</small>	2	49026445	49036780	7	0	0	4	0	0	10335	1.32815414	1.010041115	2.738030173	0.368893347	NA	NA
chr14:104245081-104263855	exonic	PPP1R13B	14	104245081	104263855	7	10	2	3	9	0	18774	4.448385593	1.010681706	1.37828389	0.733289936	0.463381612	0.998252924
chr12:49491349-49491888	exonic	LMBR1L	12	49491349	49491888	14	3	0	8	2	0	539	3.421190521	1.011266815	1.673996307	0.604103373	0.545774917	0.998252924
chr7:91924202-91981956	exonic	ANKIB1	7	91924202	91981956	4	7	3	1	0	4	57754	3.666871262	1.01481322	1.570620135	0.646122635	NA	NA

chr5:74041502-74046492	exonic	GFM2	5	74041502	74046492	7	3	1	7	0	0	4990	2.367184718	1.015079072	1.886531883	0.538066216	NA	NA
chr11:3752620-3774638	exonic	NUP98	11	3752620	3774638	3	0	4	5	0	0	22018	1.707593856	1.015166601	2.278352316	0.445570509	0.655907517	0.998252924
chr22:39534640-39537441	exonic	CBX7	22	39534640	39537441	3	5	1	5	1	0	2801	2.108193197	1.018223602	1.822793544	0.558606105	NA	NA
chr16:11988810-11990642	exonic	GSPT1	16	11988810	11990642	2	6	0	0	5	0	1832	1.908765789	1.019724324	2.216375006	0.460086547	NA	NA
chr2:168994597-169038600	exonic	STK39	2	168994597	169038600	3	3	0	0	0	2	44003	1.655212386	1.02197203	2.354742694	0.434005818	0.664284216	0.998252924
chr3:149570302-149639014	exonic	RNF13	3	149570302	149639014	23	40	18	17	32	29	68712	1.655212386	1.02197203	2.354742694	0.434005818	0.664284216	0.998252924
chr18:9182379-9221997	exonic	ANKRD12	18	9182379	9221997	72	52	46	42	53	21	39618	30.58314863	1.022582415	0.638621119	1.601234888	0.109324904	0.998252924
chr1:16046228-16047883	exonic	PLEKHM2	1	16046228	16047883	1	3	2	0	2	1	1655	1.596625843	1.025218877	2.061776446	0.497250261	0.619012582	0.998252924
chr4:25128885-25160729	exonic	SEPSECS	4	25128885	25160729	2	7	0	4	2	0	31844	2.145204863	1.026839927	1.941663435	0.528845478	0.596912647	0.998252924
chr2:173429230-173460751	exonic	PDK1	2	173429230	173460751	0	5	6	3	5	0	31521	2.979064413	1.027186732	1.729314921	0.593984774	0.552522297	0.998252924
chr17:18188455-18188834	exonic	TOP3A	17	18188455	18188834	3	0	1	0	2	0	379	0.826284697	1.027920298	2.978069956	0.345163248	0.729971647	0.998252924
chr6:90461149-90472249	exonic	MDN1	6	90461149	90472249	3	0	1	0	2	0	11100	0.826284697	1.027920298	2.978069956	0.345163248	0.729971647	0.998252924
chr9:20353522-20365742	exonic	MLLT3	9	20353522	20365742	3	0	1	0	2	0	12220	0.826284697	1.027920298	2.978069956	0.345163248	0.729971647	0.998252924
chr11:85692171-85695016	exonic	PICALM	11	85692171	85695016	0	0	4	2	1	0	2845	1.122726294	1.028370383	2.696626044	0.381354465	NA	NA
chr12:6442234-6443410	exonic	TNFRSF1A	12	6442234	6443410	0	0	4	2	1	0	1176	1.122726294	1.028370383	2.696626044	0.381354465	NA	NA
chr1:145459651-145460263	exonic	POLR3GL	1	145459651	145460263	4	6	1	3	2	1	612	2.628079199	1.028717077	1.577294045	0.652203741	0.514269747	0.998252924
chr8:68934270-68950527	exonic	PREX2	8	68934270	68950527	5	2	0	2	2	0	16257	1.448163926	1.029862197	2.209119537	0.466186723	0.641081852	0.998252924
chr7:23015828-23030758	exonic	FAM126A	7	23015828	23030758	17	3	6	11	3	1	14930	5.739945689	1.02994826	1.19709669	0.860371821	0.389584114	0.998252924
chr12:112513481-112516545	exonic	NAA25	12	112513481	112516545	2	2	1	1	2	0	3064	1.152160738	1.032859516	2.266188185	0.455769527	0.64855572	0.998252924
chr16:53175091-53191453	exonic	CHD9	16	53175091	53191453	15	11	19	5	14	5	16362	11.36698329	1.035232729	0.912238584	1.134826731	NA	NA
chr6:47471016-47472494	exonic	CD2AP	6	47471016	47472494	0	7	4	5	3	0	1478	2.903645887	1.036913677	1.741932184	0.595266387	0.551665421	0.998252924
chr8:141828375-141900868	exonic	PTK2	8	141828375	141900868	12	11	1	10	5	0	72493	5.330397089	1.037210082	1.321574946	0.784828803	0.43255395	0.998252924
chr11:1307231-1317024	exonic	TOLLIP	11	1307231	1317024	0	5	1	0	4	0	9793	1.552757708	1.037364948	2.410651414	0.430325572	NA	NA
chr1:22816372-22818026	exonic	ZBTB40	1	22816372	22818026	1	2	3	1	3	0	1654	1.538739268	1.03818496	2.055146486	0.505163484	0.613444015	0.998252924
chr10:86177526-86198463	exonic	CCSER2	10	86177526	86198463	3	1	0	1	1	0	20937	0.788575434	1.038564635	2.810109852	0.369581507	0.711694332	0.998252924
chr11:10019812-10024236	exonic	SBF2	11	10019812	10024236	3	1	0	1	1	0	4424	0.788575434	1.038564635	2.810109852	0.369581507	0.711694332	0.998252924
chr15:62283198-62327251	exonic	VPS13C	15	62283198	62327251	1	0	3	1	0	1	44053	1.135324013	1.039541185	2.528265669	0.411167702	0.680949569	0.998252924
chr1:35846859-35854683	exonic	ZMYM4	1	35846859	35854683	2	7	1	0	4	1	7824	2.376924088	1.040458701	1.772834532	0.586889911	0.557277646	0.998252924
chr14:66082695-66096324	exonic	FUT8	14	66082695	66096324	2	1	6	0	6	0	13629	2.342028369	1.041087587	1.93749729	0.53733628	NA	NA
chr6:158688266-158735300	exonic	TULP4	6	158688266	158735300	0	7	2	0	2	2	47034	2.472960706	1.04117728	1.929167934	0.539702771	0.589402029	0.998252924
chr14:31596990-31602881	exonic	HECTD1	14	31596990	31602881	0	2	5	1	4	0	5891	1.925317798	1.041622638	2.0582315	0.506076522	0.612802932	0.998252924
chr5:76342171-76344097	exonic	AGGF1	5	76342171	76344097	2	4	0	4	0	0	1926	1.380322622	1.043420074	2.461743735	0.423854059	0.67167225	0.998252924
chr1:203672779-203691817	exonic	ATP2B4	1	203672779	203691817	0	2	0	1	0	0	19038	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr1:236966727-236979843	exonic	MTR	1	236966727	236979843	0	2	0	1	0	0	13116	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr1:87181406-87200862	exonic	SH3GLB1	1	87181406	87200862	0	2	0	1	0	0	19456	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924

chr10:14970014-14977563	exonic	DCLRE1C	10	14970014	14977563	0	2	0	1	0	0	7549	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr10:32740519-32742364	exonic	CCDC7	10	32740519	32742364	0	2	0	1	0	0	1845	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr11:22696395-22777499	exonic	GAS2	11	22696395	22777499	0	2	0	1	0	0	81104	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr11:9308001-9321248	exonic	TMEM41B	11	9308001	9321248	0	2	0	1	0	0	13247	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr12:109210813-109217137	exonic	SSH1	12	109210813	109217137	0	2	0	1	0	0	6324	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr12:109212024-109217137	exonic	SSH1	12	109212024	109217137	0	2	0	1	0	0	5113	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr12:32751430-32772804	exonic	FGD4	12	32751430	32772804	0	2	0	1	0	0	21374	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr12:68696399-68719355	exonic	MDM1	12	68696399	68719355	0	2	0	1	0	0	22956	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr13:61013821-61084889	exonic	TDRD3	13	61013821	61084889	0	2	0	1	0	0	71068	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr14:56119567-56125332	exonic	KTN1	14	56119567	56125332	0	2	0	1	0	0	5765	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:102241288-102255166	exonic	TARSL2	15	102241288	102255166	0	2	0	1	0	0	13878	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:31251065-31260213	exonic	MTMR10	15	31251065	31260213	0	2	0	1	0	0	9148	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:64496639-64508912	exonic	CSNK1G1	15	64496639	64508912	0	2	0	1	0	0	12273	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:72300166-72338975	exonic	MYO9A	15	72300166	72338975	0	2	0	1	0	0	38809	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:76866498-76958130	exonic	SCAPER	15	76866498	76958130	0	2	0	1	0	0	91632	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:86182604-86213061	exonic	AKAP13	15	86182604	86213061	0	2	0	1	0	0	30457	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr15:90982563-90999547	exonic	IQGAP1	15	90982563	90999547	0	2	0	1	0	0	16984	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr16:11647388-11650591	exonic	LITAF	16	11647388	11650591	0	2	0	1	0	0	3203	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr16:89962397-89973730	exonic	TCF25	16	89962397	89973730	0	2	0	1	0	0	11333	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr17:40497576-40500535	exonic	STAT3	17	40497576	40500535	0	3	0	1	0	0	2959	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr17:44127898-44172067	exonic	KANSL1	17	44127898	44172067	0	2	0	1	0	0	44169	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr17:49048067-49064598	exonic	SPAG9	17	49048067	49064598	0	2	0	1	0	0	16531	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr17:57987922-58009083	exonic	RPS6KB1	17	57987922	58009083	0	2	0	1	0	0	21161	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr18:61022436-61030101	exonic	KDSR	18	61022436	61030101	0	2	0	1	0	0	7665	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr19:15280896-15281636	exonic	NOTCH3	19	15280896	15281636	0	2	0	1	0	0	740	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr2:168869143-168931741	exonic	STK39	2	168869143	168931741	0	2	0	1	0	0	62598	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr2:32734804-32738221	exonic	BIRC6	2	32734804	32738221	0	2	0	1	0	0	3417	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr2:69581620-69590802	exonic	GFPT1	2	69581620	69590802	0	2	0	1	0	0	9182	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr20:30897515-30904677	exonic	KIF3B	20	30897515	30904677	0	2	0	1	0	0	7162	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr22:46572649-46594488	exonic	PPARA	22	46572649	46594488	0	2	0	1	0	0	21839	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr3:126360874-126366139	exonic	TXNRD3	3	126360874	126366139	0	2	0	1	0	0	5265	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr4:87693930-87720357	exonic	PTPN13	4	87693930	87720357	0	2	0	1	0	0	26427	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr5:65307876-65324171	exonic	ERBB2IP	5	65307876	65324171	0	2	0	1	0	0	16295	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr6:15452236-15468949	exonic	JARID2	6	15452236	15468949	0	2	0	1	0	0	16713	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr6:170159063-170173498	exonic	ERMARD	6	170159063	170173498	0	2	0	1	0	0	14435	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924

chr6:25482484-25500463	exonic	LRRC16A	6	25482484	25500463	0	2	0	1	0	0	17979	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr6:55926446-55942371	exonic	COL21A1	6	55926446	55942371	0	2	0	1	0	0	15925	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr7:129297182-129367205	exonic	NRF1	7	129297182	129367205	0	2	0	1	0	0	70023	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr7:151864230-151871327	exonic	KMT2C	7	151864230	151871327	0	2	0	1	0	0	7097	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr7:31912904-31920473	exonic	PDE1C	7	31912904	31920473	0	2	0	1	0	0	7569	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr9:136915495-136918712	exonic	BRD3	9	136915495	136918712	0	2	0	1	0	0	3217	0.454862983	1.045687667	4.029670978	0.259497034	0.79525177	0.998252924
chr4:54280781-54294350	exonic	FIP1L1	4	54280781	54294350	22	9	9	7	9	4	13569	9.24791709	1.04748873	0.937463097	1.117365296	0.263838167	0.998252924
chr1:16632297-16641930	exonic	FBXO42	1	16632297	16641930	0	0	3	1	1	0	9633	0.819145884	1.048575544	3.027702916	0.346327091	NA	NA
chr13:46577273-46619651	exonic	ZC3H13	13	46577273	46619651	0	0	3	1	1	0	42378	0.819145884	1.048575544	3.027702916	0.346327091	NA	NA
chr2:24360778-24369956	exonic	FAM228B	2	24360778	24369956	2	0	3	1	3	0	9178	0.819145884	1.048575544	3.027702916	0.346327091	NA	NA
chr9:124751473-124752049	exonic	TTLL11	9	124751473	124752049	0	0	3	1	1	0	576	0.819145884	1.048575544	3.027702916	0.346327091	NA	NA
chr2:170728745-170734147	exonic	UBR3	2	170728745	170734147	4	1	3	3	2	0	5402	1.843019646	1.051618274	1.876392802	0.560446764	0.575174742	0.998252924
chr22:32875119-32881196	exonic	FBXO7	22	32875119	32881196	2	3	1	4	0	0	6077	1.403315849	1.054981663	2.265783989	0.465614405	NA	NA
chrX:64271342-64295792	intergenic	ZC4H2(dist=16718), ZC3H12B(dist=412823)	X	64271342	64295792	19	5	2	9	6	0	24450	5.399635956	1.05500909	1.293928109	0.815347392	0.414873489	0.998252924
chr5:153409048-153414527	exonic	FAM114A2	5	153409048	153414527	19	9	6	14	7	0	5479	7.538399602	1.056098363	1.112343536	0.94943543	0.342399198	0.998252924
chr1:93070863-93091491	exonic	EVI5	1	93070863	93091491	0	1	2	2	0	0	20628	0.78143662	1.057840981	3.05522717	0.346239714	0.729162571	0.998252924
chr10:69726439-69773943	exonic	HERC4	10	69726439	69773943	0	1	2	0	2	0	47504	0.78143662	1.057840981	3.05522717	0.346239714	0.729162571	0.998252924
chr11:118947606-118948357	exonic	VPS11	11	118947606	118948357	0	1	2	2	0	0	751	0.78143662	1.057840981	3.05522717	0.346239714	0.729162571	0.998252924
chr6:110048311-110064975	exonic	FIG4	6	110048311	110064975	0	1	2	2	0	0	16664	0.78143662	1.057840981	3.05522717	0.346239714	0.729162571	0.998252924
chr6:86267693-86284096	exonic	SNX14	6	86267693	86284096	0	4	2	0	4	0	16403	1.575750935	1.06116866	2.368497312	0.448034564	0.654128252	0.998252924
chr22:32097641-32134897	exonic	PRR14L	22	32097641	32134897	0	1	1	0	0	1	37256	0.679763433	1.063610659	3.314428114	0.320903222	NA	NA
chr5:78952780-78977884	exonic	PAPD4	5	78952780	78977884	0	1	1	0	0	1	25104	0.679763433	1.063610659	3.314428114	0.320903222	NA	NA
chr1:22041881-22050588	exonic	USP48	1	22041881	22050588	4	5	2	5	2	0	8707	2.555476587	1.063907255	1.639692123	0.648845744	0.516438087	0.998252924
chr18:20569183-20581692	exonic	RBBP8	18	20569183	20581692	5	1	0	0	3	0	12509	1.182292778	1.065787656	2.62148941	0.406558063	0.684332604	0.998252924
chr16:47531309-47549512	exonic	PHKB	16	47531309	47549512	6	13	10	6	7	3	18203	7.42191339	1.065980543	1.035269185	1.029665093	0.303167247	0.998252924
chr1:229602380-229623360	exonic	NUP133	1	229602380	229623360	0	1	1	0	1	0	20980	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr1:52911458-52927441	exonic	ZCCHC11	1	52911458	52927441	0	1	1	0	1	0	15983	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr12:19406873-19440490	exonic	PLEKHA5	12	19406873	19440490	0	1	1	0	1	0	33617	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr12:50821544-50831621	exonic	LARP4	12	50821544	50831621	0	1	1	0	1	0	10077	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr17:44770268-44806300	exonic	NSF	17	44770268	44806300	0	1	1	0	1	0	36032	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr17:61838273-61843554	exonic	CCDC47	17	61838273	61843554	0	1	1	0	1	0	5281	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr18:20570899-20576425	exonic	RBBP8	18	20570899	20576425	0	1	1	0	1	0	5526	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr4:42626552-42629126	exonic	ATP8A1	4	42626552	42629126	0	1	1	0	1	0	2574	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr5:172517317-172518404	exonic	CREBRF	5	172517317	172518404	0	1	1	0	1	0	1087	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr7:129756284-129762042	exonic	KLHDC10	7	129756284	129762042	0	1	1	0	1	0	5758	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924

chr7:30084700-30102358	exonic	PLEKHA8	7	30084700	30102358	0	1	1	0	1	0	17658	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr8:30538420-30557652	exonic	GSR	8	30538420	30557652	0	1	1	0	1	0	19232	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr8:71060507-71069475	exonic	NCOA2	8	71060507	71069475	0	1	1	0	1	0	8968	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr8:95879367-95888717	exonic	INTS8	8	95879367	95888717	0	1	1	0	1	0	9350	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chrX:19713729-19764559	exonic	SH3KBP1	X	19713729	19764559	0	1	1	0	1	0	50830	0.492572246	1.067261703	3.658987234	0.29168227	0.770529566	0.998252924
chr6:118832460-118887479	exonic	CEP85L, PLN	6	118832460	118887479	3	0	3	4	0	0	55019	1.404013446	1.068720283	2.441583829	0.43771599	0.661592177	0.998252924
chr11:66515849-66526567	exonic	C11orf80	11	66515849	66526567	1	3	1	0	3	0	10718	1.212165631	1.070719666	2.41814968	0.442784694	NA	NA
chr2:61118817-61128218	exonic	REL	2	61118817	61128218	0	0	4	0	1	1	9401	1.218322133	1.071570868	2.674567295	0.400652049	NA	NA
chr16:19129674-19131853	UTR3	<small>11PRLP2(EN_001034841;c.*2281_*4462&+lins)</small>	16	19129674	19131853	5	3	4	8	0	0	2179	2.807329294	1.071657095	1.741992981	0.615190249	NA	NA
chr16:148142-150507	exonic	NPRL3	16	148142	150507	6	0	4	2	0	2	2365	2.392057747	1.071889927	1.903620948	0.563079497	0.573380752	0.998252924
chr13:33109905-33111164	exonic	N4BP2L2	13	33109905	33111164	0	6	3	0	6	0	1259	2.363626402	1.073027889	2.072186629	0.517823961	0.604581099	0.998252924
chr3:171969049-172025291	exonic	FNDC3B	3	171969049	172025291	0	3	7	1	2	2	56242	2.868514022	1.074228535	1.716847001	0.625698466	0.531512739	0.998252924
chr4:83795763-83803093	exonic	SEC31A	4	83795763	83803093	1	5	3	2	2	1	7330	2.355069237	1.075658717	1.66710298	0.645226317	0.518780534	0.998252924
chr10:35349801-35360267	exonic	CUL2	10	35349801	35360267	2	2	0	0	2	0	10466	0.848580327	1.077511646	2.932637476	0.367420677	0.713305251	0.998252924
chr17:3608375-3608939	intergenic	<small>P2RX5-TAX1BP3 (dist=8677), ITGAE (dist=8980)</small>	17	3608375	3608939	2	2	0	0	2	0	564	0.848580327	1.077511646	2.932637476	0.367420677	0.713305251	0.998252924
chr18:13387339-13438383	exonic	LDLRAD4	18	13387339	13438383	2	2	0	0	2	0	51044	0.848580327	1.077511646	2.932637476	0.367420677	0.713305251	0.998252924
chr6:111714078-111793343	exonic	REV3L	6	111714078	111793343	2	2	0	0	2	0	79265	0.848580327	1.077511646	2.932637476	0.367420677	0.713305251	0.998252924
chr6:111726672-111793343	exonic	REV3L	6	111726672	111793343	2	2	0	0	2	0	66671	0.848580327	1.077511646	2.932637476	0.367420677	0.713305251	0.998252924
chr7:76092861-76121570	exonic	DTX2	7	76092861	76121570	2	2	0	0	2	0	28709	0.848580327	1.077511646	2.932637476	0.367420677	0.713305251	0.998252924
chr4:41015599-41035321	exonic	APBB2	4	41015599	41035321	1	4	0	1	2	0	19722	1.174456368	1.077963837	2.447146461	0.440498292	NA	NA
chr2:120830753-120836157	exonic	EPB41L5	2	120830753	120836157	12	2	6	7	3	1	5404	4.495489635	1.079408559	1.285066257	0.839963351	0.400928936	0.998252924
chr14:35331249-35331528	exonic	BAZ1A	14	35331249	35331528	6	5	5	5	5	0	279	3.768339814	1.0797568	1.385376153	0.779396121	0.435746408	0.998252924
chr1:58971731-59004982	exonic	OMA1	1	58971731	59004982	5	19	8	9	8	2	33251	8.075786159	1.081583221	1.042719233	1.037271766	0.29960922	0.998252924
chr16:14738130-14738466	exonic	BFAR	16	14738130	14738466	0	2	2	1	0	1	336	1.157619643	1.083753618	2.495760592	0.434237811	0.664115758	0.998252924
chr12:93226287-93246801	exonic	EEA1	12	93226287	93246801	3	0	1	1	1	0	20514	0.811568661	1.083942724	2.785202773	0.389179106	0.697143659	0.998252924
chr13:50567928-50618904	exonic	KCNRG, TRIM13	13	50567928	50618904	0	0	4	3	0	0	50976	1.108010258	1.085088983	2.934953273	0.369712524	NA	NA
chr13:50571209-50618904	exonic	KCNRG, TRIM13	13	50571209	50618904	0	0	4	3	0	0	47695	1.108010258	1.085088983	2.934953273	0.369712524	NA	NA
chrX:36083759-36103655	exonic	CFAP47	X	36083759	36103655	0	0	4	3	0	0	19896	1.108010258	1.085088983	2.934953273	0.369712524	NA	NA
chr8:107691437-107696587	exonic	OXR1	8	107691437	107696587	0	3	3	0	4	0	5150	1.598744161	1.086226684	2.351114954	0.462004923	NA	NA
chr7:6852606-6861995	exonic	CCZ1B	7	6852606	6861995	0	3	3	0	0	2	9389	1.731071691	1.087510738	2.345187447	0.463720177	NA	NA
chr9:134305476-134308181	exonic	PRRC2B	9	134305476	134308181	0	7	2	2	4	0	2705	2.311201102	1.088590661	1.911834514	0.569395862	0.569087524	0.998252924
chr22:46085591-46098727	exonic	ATXN10	22	46085591	46098727	6	0	1	4	0	0	13136	1.396436223	1.089590992	2.476983207	0.439886305	0.660019455	0.998252924
chr2:32664575-32679010	exonic	BIRC6	2	32664575	32679010	3	3	1	0	4	0	14435	1.591166938	1.090435008	2.162499846	0.504247439	NA	NA
chr12:88542064-88570096	exonic	TMTC3	12	88542064	88570096	2	6	0	3	2	0	28032	1.864617679	1.092429564	2.033893204	0.537112549	0.591189873	0.998252924
chr11:128354717-128360471	exonic	ETS1	11	128354717	128360471	0	0	6	5	0	0	5754	1.715171079	1.094304092	3.851023299	0.284159302	NA	NA

chr1:247012916-247014744	exonic	AHCTF1	1	247012916	247014744	3	1	0	2	0	0	1828	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr10:94653105-94669388	exonic	EXOC6	10	94653105	94669388	3	1	0	2	0	0	16283	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr2:191765289-191796363	exonic	GLS	2	191765289	191796363	3	1	0	2	0	0	31074	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr3:78763546-78767033	exonic	ROBO1	3	78763546	78767033	3	1	0	2	0	0	3487	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr4:88026779-88036451	exonic	AFF1	4	88026779	88036451	3	1	0	2	0	0	9672	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr5:94224583-94267696	exonic	MCTP1	5	94224583	94267696	3	1	0	2	0	0	43113	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr8:48308935-48353104	exonic	SPIDR	8	48308935	48353104	3	1	0	2	0	0	44169	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr8:53580580-53599527	exonic	RBICC1	8	53580580	53599527	3	1	0	2	0	0	18947	0.773859398	1.095174823	3.043181606	0.359878234	0.718938194	0.998252924
chr10:13705452-13717044	exonic	FRMD4A	10	13705452	13717044	2	3	0	3	0	0	11592	1.099735438	1.096486113	2.661464503	0.411985999	0.680349685	0.998252924
chr14:80158515-80271533	exonic	NRXN3	14	80158515	80271533	2	3	0	3	0	0	113018	1.099735438	1.096486113	2.661464503	0.411985999	0.680349685	0.998252924
chr14:80163972-80271542	exonic	NRXN3	14	80163972	80271542	2	3	0	3	0	0	107570	1.099735438	1.096486113	2.661464503	0.411985999	0.680349685	0.998252924
chr16:53289511-53308214	exonic	CHD9	16	53289511	53308214	5	0	1	0	3	0	18703	1.205286005	1.098284595	2.606665269	0.421337027	0.673508996	0.998252924
chr3:32180078-32181858	exonic	GPD1L	3	32180078	32181858	5	0	3	5	0	0	1780	1.768298716	1.098946429	2.244469962	0.48962403	NA	NA
chr10:126628943-126631876	exonic	ZRANB1	10	126628943	126631876	10	0	0	2	3	0	2933	1.865574464	1.099347087	2.2328913	0.492342411	NA	NA
chr22:42204878-42209826	exonic	CCDC134	22	42204878	42209826	1	7	4	5	3	0	4948	3.03263283	1.112430351	1.59452268	0.697657277	0.485391552	0.998252924
chr8:101721360-101725409	exonic	PABPC1	8	101721360	101725409	2	4	2	3	2	0	4049	1.910604132	1.113439121	1.842075724	0.604448073	0.545545783	0.998252924
chrX:154736559-154766779	exonic	TMLHE	X	154736559	154766779	0	4	2	2	2	0	30220	1.546318861	1.114988023	2.186121238	0.510030278	0.610030249	0.998252924
chr12:12022357-12022903	exonic	ETV6	12	12022357	12022903	1	4	4	2	0	2	546	2.444226229	1.116098688	1.779259733	0.627282609	0.530474001	0.998252924
chr1:15860731-15863309	exonic	DNAJC16	1	15860731	15863309	4	3	3	3	3	0	2578	2.312598666	1.116158795	1.683042093	0.66317937	0.507215683	0.998252924
chr11:68358127-68367962	exonic	PPP6R3	11	68358127	68367962	2	1	6	4	2	0	9835	2.283164222	1.116896463	1.778485939	0.628004101	NA	NA
chr1:171548492-171556890	exonic	PRRC2C	1	171548492	171556890	0	0	3	2	0	0	8398	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr1:51906018-51913807	exonic	EPS15	1	51906018	51913807	0	0	3	2	0	0	7789	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr10:73853450-73854555	intergenic	SPOCK2 (dist=4660), ASCCI (dist=1235)	10	73853450	73854555	0	0	3	2	0	0	1105	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr10:94653105-94679807	exonic	EXOC6	10	94653105	94679807	0	0	3	2	0	0	26702	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr13:42772613-42780282	exonic	DGKH	13	42772613	42780282	0	0	3	2	0	0	7669	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr15:64710739-64717830	exonic	TRIP4	15	64710739	64717830	0	0	3	2	0	0	7091	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr19:41242890-41243674	exonic	ITPKC	19	41242890	41243674	0	0	3	2	0	0	784	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr3:20112856-20113951	exonic	KAT2B	3	20112856	20113951	0	0	3	2	0	0	1095	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr5:153405958-153414527	exonic	FAM114A2	5	153405958	153414527	0	0	3	2	0	0	8569	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr9:36351111-36376124	exonic	RNF38	9	36351111	36376124	0	0	3	2	0	0	25013	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr9:36352738-36376124	exonic	RNF38	9	36352738	36376124	0	0	3	2	0	0	23386	0.804429847	1.117376884	3.293712151	0.339245457	NA	NA
chr3:47663696-47680270	exonic	SMARCC1	3	47663696	47680270	1	4	0	2	1	0	16574	1.159740331	1.117926888	2.455888683	0.45520259	NA	NA
chr2:106739425-106782539	exonic	UXS1	2	106739425	106782539	4	6	0	4	0	1	43114	2.295066715	1.119957674	1.921419474	0.58288036	0.559973843	0.998252924
chr3:172003715-172028671	exonic	FNDCC3B	3	172003715	172028671	4	6	0	4	0	1	24956	2.295066715	1.119957674	1.921419474	0.58288036	0.559973843	0.998252924
chr2:71590282-71597135	exonic	ZNF638	2	71590282	71597135	6	0	0	3	0	0	6853	1.092855812	1.121147467	2.928243395	0.382873729	NA	NA

chr2:223765391-223799405	exonic	ACSL3	2	223765391	223799405	2	2	1	3	0	0	34014	1.122728665	1.12126061	2.44990159	0.457675775	NA	NA
chr1:201823722-201826322	exonic	IPO9	1	201823722	201826322	0	1	1	1	0	0	2600	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr1:203797426-203809502	exonic	ZC3H11A	1	203797426	203809502	0	1	1	1	0	0	12076	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr1:220178589-220180680	exonic	EPRS	1	220178589	220180680	0	1	1	1	0	0	2091	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr1:36306765-36316654	exonic	AGO4	1	36306765	36316654	0	1	1	1	0	0	9889	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr14:31611063-31641328	exonic	HECTD1	14	31611063	31641328	0	1	1	1	0	0	30265	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr16:89962397-89967202	exonic	TCF25	16	89962397	89967202	0	1	1	1	0	0	4805	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr2:229965-234272	exonic	SH3YL1	2	229965	234272	0	1	1	1	0	0	4307	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr20:3888572-3897697	exonic	PANK2	20	3888572	3897697	0	1	1	1	0	0	9125	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr4:110451444-110452678	exonic	SEC24B	4	110451444	110452678	0	1	1	1	0	0	1234	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr4:72102292-72121116	exonic	SLC4A4	4	72102292	72121116	0	1	1	1	0	0	18824	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr5:64976320-64981299	exonic	SGTB	5	64976320	64981299	0	1	1	1	0	0	4979	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr7:151167656-151188100	exonic	RHEB	7	151167656	151188100	0	1	1	1	0	0	20444	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr7:98984307-98985884	exonic	ARPC1B	7	98984307	98985884	0	1	1	1	0	0	1577	0.47785621	1.12127948	3.701532525	0.302923039	0.761948514	0.998252924
chr12:95498782-95535315	exonic	FGD6	12	95498782	95535315	3	2	0	1	0	1	36533	1.15004242	1.122135711	2.476521058	0.453109699	0.650469752	0.998252924
chr2:207144263-207162097	exonic	ZDBF2	2	207144263	207162097	0	5	0	0	3	0	17834	1.234461261	1.122646357	2.828314458	0.396931237	NA	NA
chr4:121675707-121732604	exonic	PRDM5	4	121675707	121732604	11	10	3	7	5	1	56897	5.410956852	1.126577734	1.174075677	0.959544394	0.337284566	0.998252924
chr10:71243446-71244971	exonic	TSPAN15	10	71243446	71244971	2	3	0	0	1	1	1525	1.210047313	1.127953463	2.442536865	0.461795881	0.644227705	0.998252924
chr11:118454523-118455359	exonic	ARCN1	11	118454523	118455359	4	3	3	2	2	1	836	2.393478468	1.129069507	1.601582181	0.704971322	0.480828083	0.998252924
chr17:60061531-60062451	exonic	MED13	17	60061531	60062451	5	4	4	6	2	0	920	3.011037167	1.131077445	1.532314675	0.738149587	0.460423554	0.998252924
chr16:87782278-87795646	exonic	KLHDC4	16	87782278	87795646	2	3	3	3	2	0	13368	1.933597358	1.13165771	1.828525075	0.618890998	0.535988169	0.998252924
chr8:141745349-141762415	exonic	PTK2	8	141745349	141762415	4	2	0	0	3	0	17066	1.227581635	1.13197831	2.560255429	0.442134913	0.658391582	0.998252924
chr2:61721028-61724142	exonic	XPO1	2	61721028	61724142	2	2	0	1	1	0	3114	0.833864291	1.13249057	2.742624789	0.412922167	0.67966364	0.998252924
chr21:38480691-38536517	exonic	TTC3	21	38480691	38536517	2	2	0	1	1	0	55826	0.833864291	1.13249057	2.742624789	0.412922167	0.67966364	0.998252924
chr21:38480691-38545046	exonic	TTC3	21	38480691	38545046	2	2	0	1	1	0	64355	0.833864291	1.13249057	2.742624789	0.412922167	0.67966364	0.998252924
chr3:93714717-93722752	exonic	ARL13B	3	93714717	93722752	8	3	3	5	3	0	8035	3.041169207	1.136175597	1.521892047	0.746554658	0.455332427	0.998252924
chr16:88008653-88017865	exonic	BANP	16	88008653	88017865	14	20	6	12	10	1	9212	9.269176782	1.138222826	0.991766127	1.147672617	0.251103739	0.998252924
chr15:33180372-33194241	exonic	FMN1	15	33180372	33194241	0	0	2	0	0	1	13869	0.70275666	1.14023385	3.540223189	0.322079651	NA	NA
chr2:32664575-32668656	exonic	BIRC6	2	32664575	32668656	0	0	2	0	0	1	4081	0.70275666	1.14023385	3.540223189	0.322079651	NA	NA
chr1:48821341-48865316	exonic	SPATA6	1	48821341	48865316	3	0	1	2	0	0	43975	0.796852624	1.142119673	3.013815366	0.378961394	0.704716532	0.998252924
chr12:109577201-109577863	exonic	ACACB	12	109577201	109577863	3	0	1	2	0	0	662	0.796852624	1.142119673	3.013815366	0.378961394	0.704716532	0.998252924
chr13:114128438-114138371	exonic	DCUN1D2	13	114128438	114138371	3	0	1	2	0	0	9933	0.796852624	1.142119673	3.013815366	0.378961394	0.704716532	0.998252924
chr22:40666125-40669604	exonic	TNRC6B	22	40666125	40669604	3	0	1	2	0	0	3479	0.796852624	1.142119673	3.013815366	0.378961394	0.704716532	0.998252924
chr12:56997142-56999111	exonic	BAZ2A	12	56997142	56999111	2	0	3	2	1	0	1969	1.183431154	1.145260183	2.413883539	0.474447157	0.635181072	0.998252924
chr1:153636518-153641033	exonic	ILF2	1	153636518	153641033	0	0	2	0	1	0	4515	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924

chr1:230313963-230339036	exonic	GALNT2	1	230313963	230339036	0	0	2	0	1	0	25073	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr10:116603499-116608496	exonic	FAM160B1	10	116603499	116608496	0	0	2	0	1	0	4997	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr10:74790028-74806859	exonic	P4HA1	10	74790028	74806859	0	0	2	0	1	0	16831	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr11:118940943-118944661	exonic	VPS11	11	118940943	118944661	0	0	2	0	1	0	3718	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr11:93526893-93535138	exonic	MED17	11	93526893	93535138	0	0	2	0	1	0	8245	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr12:26628228-26755639	exonic	ITPR2	12	26628228	26755639	0	0	2	0	1	0	127411	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr13:41826780-41828756	exonic	MTRF1	13	41826780	41828756	0	0	2	0	1	0	1976	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr14:92555073-92562481	exonic	ATXN3	14	92555073	92562481	0	0	2	0	1	0	7408	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr15:43627142-43628024	exonic	ADAL	15	43627142	43628024	0	0	2	0	1	0	882	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr15:58284902-58306479	exonic	ALDH1A2	15	58284902	58306479	0	0	2	0	1	0	21577	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr15:75703832-75706652	exonic	SIN3A	15	75703832	75706652	0	0	2	0	1	0	2820	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr16:28515015-28515371	exonic	IL27	16	28515015	28515371	0	0	2	0	1	0	356	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr17:25628813-25631937	exonic	WSB1	17	25628813	25631937	0	0	2	0	1	0	3124	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr2:101874252-101881509	exonic	CNOT11	2	101874252	101881509	0	0	2	0	1	0	7257	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr2:110602679-110605588	exonic	RGPD5, RGPD6	2	110602679	110605588	0	0	2	0	1	0	2909	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr2:26453059-26457223	exonic	HADHA	2	26453059	26457223	0	0	2	0	1	0	4164	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr2:61725807-61761038	exonic	XPO1	2	61725807	61761038	0	0	2	0	1	0	35231	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr21:34713304-34717666	exonic	IFNAR1	21	34713304	34717666	0	0	2	0	1	0	4362	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr22:47087468-47107046	exonic	CERK	22	47087468	47107046	0	0	2	0	1	0	19578	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr3:174814579-174815081	exonic	NAALADL2	3	174814579	174815081	0	0	2	0	1	0	502	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr3:188202379-188242575	exonic	LPP	3	188202379	188242575	0	0	2	0	1	0	40196	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr3:42659061-42676858	exonic	NKTR	3	42659061	42676858	0	0	2	0	1	0	17797	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr3:47908735-47913590	exonic	MAP4	3	47908735	47913590	0	0	2	0	1	0	4855	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr3:56600621-56628056	exonic	CCDC66	3	56600621	56628056	0	0	2	0	1	0	27435	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr4:123977541-123978443	exonic	SPATA5	4	123977541	123978443	0	0	2	0	1	0	902	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr4:26364067-26388013	exonic	RBPJ	4	26364067	26388013	0	0	2	0	1	0	23946	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr4:68355684-68374823	exonic	CENPC	4	68355684	68374823	0	0	2	0	1	0	19139	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr4:99325627-99342545	exonic	RAP1GDS1	4	99325627	99342545	0	0	2	0	1	0	16918	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr5:122130960-122144050	exonic	SNX2	5	122130960	122144050	0	0	2	0	1	0	13090	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr5:52160596-52161651	exonic	ITGA1	5	52160596	52161651	0	0	2	0	1	0	1055	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr5:5447953-5454751	exonic	ICE1	5	5447953	5454751	0	0	2	0	1	0	6798	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr6:129371062-129381041	exonic	LAMA2	6	129371062	129381041	0	0	2	0	1	0	9979	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr6:159058159-159062392	exonic	DYNLT1	6	159058159	159062392	0	0	2	0	1	0	4233	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr8:124096401-124121860	exonic	TBC1D31	8	124096401	124121860	0	0	2	0	1	0	25459	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr8:17123415-17126465	exonic	VPS37A	8	17123415	17126465	0	0	2	0	1	0	3050	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924

chr9:126438998-126641300	exonic	DENND1A	9	126438998	126641300	0	0	2	0	1	0	202302	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr9:19288593-19305525	exonic	DENND4C	9	19288593	19305525	0	0	2	0	1	0	16932	0.515565473	1.145765858	3.916587837	0.292541852	0.769872366	0.998252924
chr14:75016565-75022396	exonic	LTBP2	14	75016565	75022396	13	4	3	6	5	0	5831	4.208745949	1.146444532	1.360972472	0.84237158	NA	NA
chr5:64863339-64868113	exonic	PPWD1	5	64863339	64868113	1	9	0	1	5	0	4774	2.408917629	1.151753899	1.961082698	0.587305114	NA	NA
chr7:91924202-91991587	exonic	ANKIB1	7	91924202	91991587	4	7	3	0	0	4	67385	3.560559876	1.15326328	1.701173205	0.677922317	NA	NA
chr4:83799882-83803093	exonic	SEC31A	4	83799882	83803093	8	5	3	4	5	0	3211	3.525464264	1.154744718	1.43101267	0.806942344	0.419699702	0.998252924
chr5:172535626-172539382	exonic	CREBRF	5	172535626	172539382	4	0	3	2	2	0	3756	1.562432462	1.156194047	2.153351736	0.536927631	0.591317604	0.998252924
chr17:40650941-40653322	exonic	ATP6VOA1	17	40650941	40653322	11	1	3	4	4	0	2381	3.094294474	1.159195315	1.574746042	0.736115719	0.461660278	0.998252924
chr1:213251037-213290752	exonic	RPS6KC1	1	213251037	213290752	2	3	3	4	1	0	39715	1.918881322	1.16336683	1.861676552	0.624902768	NA	NA
chr10:71243446-71255445	exonic	TSPAN15	10	71243446	71255445	2	0	2	0	2	0	11999	0.89456678	1.164934673	2.883047529	0.404063638	0.686165923	0.998252924
chr18:12493070-12546903	exonic	SPIRE1	18	12493070	12546903	2	0	2	0	2	0	53833	0.89456678	1.164934673	2.883047529	0.404063638	0.686165923	0.998252924
chr2:136389287-136396692	exonic	R3HDM1	2	136389287	136396692	2	0	2	0	2	0	7405	0.89456678	1.164934673	2.883047529	0.404063638	0.686165923	0.998252924
chr12:12672795-12674397	exonic	DUSP16	12	12672795	12674397	1	2	2	2	1	0	1602	1.205726784	1.16822879	2.240456653	0.521424411	0.60207115	0.998252924
chr6:163876310-163899928	exonic	QKI	6	163876310	163899928	0	7	5	5	3	0	23618	3.100914912	1.168503865	1.707052784	0.684515368	NA	NA
chr3:170077486-170102553	exonic	SKIL	3	170077486	170102553	1	4	0	0	2	0	25067	0.893869184	1.168601547	2.903816006	0.402436499	0.687362813	0.998252924
chr9:79825531-79828230	exonic	VPS13A	9	79825531	79828230	1	3	0	0	2	0	2699	0.893869184	1.168601547	2.903816006	0.402436499	0.687362813	0.998252924
chr20:48744511-48747484	exonic	TMEM189, TMEM189-UBE2V1	20	48744511	48747484	1	4	0	3	0	0	2973	1.145024295	1.16867487	2.658252089	0.439640347	NA	NA
chr18:6237962-6301956	exonic	L3MBTL4	18	6237962	6301956	4	3	0	4	0	0	63994	1.464020709	1.170726316	2.396374217	0.488540691	NA	NA
chr10:105891088-105924058	exonic	CFAP43	10	105891088	105924058	2	1	1	1	1	0	32970	0.856857517	1.172901852	2.54817055	0.460291738	0.64530683	0.998252924
chr2:174819600-174820960	exonic	SP3	2	174819600	174820960	2	0	9	1	2	2	1360	2.998198562	1.173441544	1.71766262	0.683161833	NA	NA
chr12:29492784-29494749	exonic	ERGIC2	12	29492784	29494749	3	0	4	0	4	0	1965	1.660146618	1.174435912	2.310281259	0.508351919	0.611206565	0.998252924
chr9:33943417-33956144	exonic	UBAP2	9	33943417	33956144	3	7	0	5	1	0	12727	2.259475769	1.174592781	1.926817516	0.609602503	0.542125153	0.998252924
chrX:100296305-100297301	exonic	TRMT2B	X	100296305	100297301	13	8	8	11	6	0	996	6.54477862	1.174937728	1.143259605	1.0277086	0.304086921	0.998252924
chr8:70650274-70674110	exonic	SLCO5A1	8	70650274	70674110	1	0	4	0	3	0	23836	1.28114531	1.175068976	2.573159765	0.456663823	NA	NA
chr10:12123470-12133683	exonic	DHTKD1	10	12123470	12133683	0	4	1	1	2	0	10213	1.242738451	1.175737433	2.410184665	0.487820477	0.625677006	0.998252924
chr6:108225832-108246136	exonic	SEC63	6	108225832	108246136	0	2	1	1	2	0	20304	1.242738451	1.175737433	2.410184665	0.487820477	0.625677006	0.998252924
chr18:51686134-51731527	exonic	MBD2	18	51686134	51731527	0	3	2	0	3	0	45393	1.280447714	1.175957127	2.545608708	0.461955179	NA	NA
chr1:27994736-27995857	exonic	IFI6	1	27994736	27995857	0	6	0	4	0	0	1121	1.470900335	1.176790108	2.664967055	0.441577732	NA	NA
chr14:62168614-62175710	intronic	HIF1A	14	62168614	62175710	0	6	0	4	0	0	7096	1.470900335	1.176790108	2.664967055	0.441577732	NA	NA
chr9:4286037-4286523	exonic	GLIS3	9	4286037	4286523	2	4	1	0	2	1	486	1.70261956	1.18231534	2.015688404	0.586556601	0.557501537	0.998252924
chr6:161455290-161471011	exonic	MAP3K4	6	161455290	161471011	0	18	0	3	6	1	15721	4.490281678	1.182710779	1.670498362	0.707998766	NA	NA
chr21:38480691-38520947	exonic	TTC3	21	38480691	38520947	2	2	1	0	2	1	40256	1.23304054	1.184708696	2.271879831	0.521466268	0.602041998	0.998252924
chr6:42571325-42574389	exonic	UBR2	6	42571325	42574389	8	1	1	2	3	0	3064	1.979145403	1.184940196	1.881227265	0.629876155	NA	NA
chr2:101874252-101879153	exonic	CNOT11	2	101874252	101879153	2	2	3	0	4	0	4901	1.682442247	1.184994508	2.112515696	0.560939978	NA	NA
chr10:27458872-27460012	exonic	MASTL	10	27458872	27460012	3	0	0	0	1	0	1140	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA

chr12:109072047-109095099	exonic	CORO1C	12	109072047	109095099	3	0	0	0	1	0	23052	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr15:64472546-64508912	exonic	CSNK1G1	15	64472546	64508912	3	0	0	0	1	0	36366	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr16:84796594-84808831	exonic	USP10	16	84796594	84808831	3	0	0	0	1	0	12237	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr17:45438743-45492285	exonic	EFCAB13	17	45438743	45492285	3	0	0	0	1	0	53542	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr19:14561129-14562835	exonic	PKN1	19	14561129	14562835	3	0	0	0	1	0	1706	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr2:25799706-25819109	exonic	DTNB	2	25799706	25819109	3	0	0	0	1	0	19403	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr2:32703702-32733326	exonic	BIRC6	2	32703702	32733326	3	0	0	0	1	0	29624	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr4:106587333-106588860	exonic	ARHGEF38	4	106587333	106588860	3	0	0	0	1	0	1527	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr6:3076997-3085642	exonic	RIPK1	6	3076997	3085642	3	0	0	0	1	0	8645	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr8:141675015-141684503	exonic	PTK2	8	141675015	141684503	3	0	0	0	1	0	9488	0.50798825	1.188189247	3.918881779	0.303195992	NA	NA
chr1:28887144-28887910	exonic	TRNAU1AP	1	28887144	28887910	5	0	0	0	2	0	766	0.886989558	1.189745556	3.162653265	0.376185897	NA	NA
chr16:29838156-29839376	intronic	MVP	16	29838156	29839376	5	0	0	0	2	0	1220	0.886989558	1.189745556	3.162653265	0.376185897	NA	NA
chr17:64171161-64179425	exonic	CEP112	17	64171161	64179425	5	0	0	0	2	0	8264	0.886989558	1.189745556	3.162653265	0.376185897	NA	NA
chr2:238256449-238262046	exonic	COL6A3	2	238256449	238262046	5	0	0	0	2	0	5597	0.886989558	1.189745556	3.162653265	0.376185897	NA	NA
chr2:239082174-239093928	exonic	ILKAP	2	239082174	239093928	5	0	0	0	2	0	11754	0.886989558	1.189745556	3.162653265	0.376185897	NA	NA
chr10:90661412-90682193	exonic	STAMBPL1	10	90661412	90682193	2	2	0	2	0	0	20781	0.819148254	1.191217763	2.966953651	0.401495238	0.688055543	0.998252924
chr19:16192722-16204563	exonic	TPM4	19	16192722	16204563	2	2	0	2	0	0	11841	0.819148254	1.191217763	2.966953651	0.401495238	0.688055543	0.998252924
chr2:205969149-205990461	exonic	PARD3B	2	205969149	205990461	2	2	0	2	0	0	21312	0.819148254	1.191217763	2.966953651	0.401495238	0.688055543	0.998252924
chr5:175777615-175782752	exonic	KIAA1191	5	175777615	175782752	2	2	0	2	0	0	5137	0.819148254	1.191217763	2.966953651	0.401495238	0.688055543	0.998252924
chr8:71126137-71209035	exonic	NCOA2	8	71126137	71209035	2	2	0	2	0	0	82898	0.819148254	1.191217763	2.966953651	0.401495238	0.688055543	0.998252924
chr3:138244331-138256189	exonic	CEP70	3	138244331	138256189	0	1	5	2	2	0	11858	1.615298541	1.192539588	2.196061888	0.543035511	NA	NA
chr3:3819409-3830758	intergenic	<small>CRBN (dist=598008), LRRN1 (dist=10363)</small>	3	3819409	3830758	5	7	8	4	4	2	11349	4.968809957	1.193468383	1.19832164	0.995949954	0.319274462	0.998252924
chr3:71733723-71748859	exonic	EIF4E3	3	71733723	71748859	4	0	2	0	3	0	15136	1.273568088	1.193512099	2.532923773	0.471199375	NA	NA
chr18:9182380-9239554	exonic	ANKRD12	18	9182380	9239554	3	3	0	0	3	0	57174	1.272870491	1.195607032	2.525424524	0.473428139	NA	NA
chr19:11833769-11836142	exonic	ZNF823	19	11833769	11836142	3	3	0	0	3	0	2373	1.272870491	1.195607032	2.525424524	0.473428139	NA	NA
chr7:127013395-127017383	exonic	ZNF800	7	127013395	127017383	3	3	3	0	5	0	3988	2.106732411	1.197639873	1.933523275	0.619408046	NA	NA
chr9:117116916-117117565	intronic	AKNA	9	117116916	117117565	2	0	3	3	0	0	649	1.168715118	1.197728249	2.613918317	0.458211812	0.646800274	0.998252924
chr1:44877652-44878394	exonic	RNF220	1	44877652	44878394	3	0	0	0	0	1	742	0.695179437	1.199363736	3.531716999	0.339597917	NA	NA
chr3:136136726-136141886	exonic	STAG1	3	136136726	136141886	3	0	0	0	0	1	5160	0.695179437	1.199363736	3.531716999	0.339597917	NA	NA
chr3:15253610-15262488	exonic	CAPN7	3	15253610	15262488	3	0	0	0	0	1	8878	0.695179437	1.199363736	3.531716999	0.339597917	NA	NA
chr6:36467649-36475379	exonic	STK38	6	36467649	36475379	3	0	0	0	0	1	7730	0.695179437	1.199363736	3.531716999	0.339597917	NA	NA
chr9:103261046-103279053	exonic	MSANTD3-TMEFF1, TMEFF1	9	103261046	103279053	3	0	0	0	0	1	18007	0.695179437	1.199363736	3.531716999	0.339597917	NA	NA
chr9:110064315-110087285	exonic	RAD23B	9	110064315	110087285	3	0	0	0	0	1	22970	0.695179437	1.199363736	3.531716999	0.339597917	NA	NA
chr1:182811679-182812569	exonic	DHX9	1	182811679	182812569	0	0	2	1	0	0	890	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924
chr1:233353644-233372726	exonic	PCNXL2	1	233353644	233372726	0	0	2	1	0	0	19082	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924

chr1:243727021-243859018	exonic	AKT3	1	243727021	243859018	0	0	2	1	0	0	131997	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr10:13169744-13174197	exonic	OPTN	10	13169744	13174197	0	0	2	1	0	0	4453	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr10:134503895-134523960	exonic	INPP5A	10	134503895	134523960	0	0	2	1	0	0	20065	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr10:38242622-38246474	exonic	ZNF25	10	38242622	38246474	0	0	2	1	0	0	3852	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr11:122827203-122828199	exonic	C11orf63	11	122827203	122828199	0	0	2	1	0	0	996	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr12:50824277-50831621	exonic	LARP4	12	50824277	50831621	0	0	2	1	0	0	7344	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr12:70974815-70990107	exonic	PTPRB	12	70974815	70990107	0	0	2	1	0	0	15292	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr13:114174930-114188555	exonic	TMC03	13	114174930	114188555	0	0	2	1	0	0	13625	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr13:95686858-95696692	exonic	ABCC4	13	95686858	95696692	0	0	2	1	0	0	9834	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr14:79423584-79454484	exonic	NRXN3	14	79423584	79454484	0	0	2	1	0	0	30900	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr15:42927053-42931010	exonic	STARD9	15	42927053	42931010	0	0	2	1	0	0	3957	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr15:58913669-58933159	exonic	ADAM10	15	58913669	58933159	0	0	2	1	0	0	19490	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr15:66015185-66034122	exonic	DENND4A	15	66015185	66034122	0	0	2	1	0	0	18937	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr16:1675973-1682366	exonic	CRAMP1	16	1675973	1682366	0	0	2	1	0	0	6393	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr16:2369581-2369841	exonic	ABCA3	16	2369581	2369841	0	0	2	1	0	0	260	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr16:74957823-74985441	exonic	WDR59	16	74957823	74985441	0	0	2	1	0	0	27618	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr17:15968183-15971435	exonic	NCOR1	17	15968183	15971435	0	0	2	1	0	0	3252	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr17:44770268-44772028	exonic	NSF	17	44770268	44772028	0	0	2	1	0	0	1760	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr17:67098975-67130883	exonic	ABCA6	17	67098975	67130883	0	0	2	1	0	0	31908	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr17:80361812-80364358	exonic	OGFOD3	17	80361812	80364358	0	0	2	1	0	0	2546	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr19:41847787-41848152	exonic	TGFB1	19	41847787	41848152	0	0	2	1	0	0	365	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr19:45528586-45528995	exonic	RELB	19	45528586	45528995	0	0	2	1	0	0	409	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr2:203947941-203949292	exonic	NBEAL1	2	203947941	203949292	0	0	2	1	0	0	1351	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr2:242265407-242275513	exonic		2-Sep	2	242265407	242275513	0	0	2	3	0	0	10106	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924
chr20:50090516-50092197	exonic	NFATC2	20	50090516	50092197	0	0	2	1	0	0	1681	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr3:136183722-136196254	exonic	STAG1	3	136183722	136196254	0	0	2	1	0	0	12532	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr3:42659061-42674315	exonic	NKTR	3	42659061	42674315	0	0	2	1	0	0	15254	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr4:128938517-128950008	exonic	ABHD18	4	128938517	128950008	0	0	2	1	0	0	11491	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr5:76736637-76785397	exonic	WDR41	5	76736637	76785397	0	0	2	1	0	0	48760	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr6:144835044-144838084	exonic	UTRN	6	144835044	144838084	0	0	2	1	0	0	3040	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr7:138261117-138264277	exonic	TRIM24	7	138261117	138264277	0	0	2	1	0	0	3160	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr8:16012572-16021760	exonic	MSR1	8	16012572	16021760	0	0	2	1	0	0	9188	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr8:17847367-17872349	exonic	PCM1	8	17847367	17872349	0	0	2	1	0	0	24982	0.500849436	1.201838112	3.961887695	0.303349869	0.761623246	0.998252924	
chr11:82935896-82959129	exonic	ANKRD42	11	82935896	82959129	4	2	0	2	1	0	23233	1.198149561	1.206724006	2.389150581	0.505084952	0.61349917	0.998252924	
chr11:34978930-34999729	exonic	PDHX	11	34978930	34999729	32	4	9	7	6	5	20799	9.611543866	1.207626979	1.010160235	1.195480615	0.231899306	0.998252924	

chr2:48049356-48050499	exonic	FBX011	2	48049356	48050499	1	4	2	0	4	0	1143	1.704737877	1.212240423	2.135331831	0.567705874	0.570234702	0.998252924
chr16:46708225-46711310	exonic	VPS35	16	46708225	46711310	5	3	0	1	3	0	3085	1.637155762	1.215705115	2.134759484	0.56948107	0.569029714	0.998252924
chr19:15571870-15572418	exonic	RASAL3	19	15571870	15572418	2	0	2	1	1	0	548	0.879850744	1.216964454	2.698311385	0.451009643	0.651982599	0.998252924
chr2:168994597-168997268	exonic	STK39	2	168994597	168997268	2	0	2	1	1	0	2671	0.879850744	1.216964454	2.698311385	0.451009643	0.651982599	0.998252924
chr20:13539654-13568017	exonic	TASP1	20	13539654	13568017	2	0	2	1	1	0	28363	0.879850744	1.216964454	2.698311385	0.451009643	0.651982599	0.998252924
chr4:146791396-146813567	exonic	ZNF827	4	146791396	146813567	2	0	2	1	1	0	22171	0.879850744	1.216964454	2.698311385	0.451009643	0.651982599	0.998252924
chr5:96248340-96251473	exonic	ERAP2	5	96248340	96251473	2	0	2	1	1	0	3133	0.879850744	1.216964454	2.698311385	0.451009643	0.651982599	0.998252924
chr5:112321531-112339774	exonic	DCP2	5	112321531	112339774	3	2	1	0	3	0	18243	1.295863717	1.219505551	2.33025925	0.523334711	NA	NA
chr20:60831112-60838747	exonic	OSBPL2	20	60831112	60838747	1	2	2	3	0	0	7635	1.191010747	1.22041323	2.410187862	0.50635606	NA	NA
chr11:61205096-61205585	exonic	SDHAF2	11	61205096	61205585	9	6	0	6	2	0	489	3.086460434	1.220792915	1.693859128	0.720716909	0.471083707	0.998252924
chr6:82923943-82924546	exonic	IBTK	6	82923943	82924546	6	4	3	3	4	0	603	2.865875772	1.228909689	1.549812708	0.792940775	0.42781233	0.998252924
chr4:105439734-105440611	ncRNA_intronic	LOC101929468	4	105439734	105440611	0	6	4	0	2	2	877	2.693222958	1.231169911	1.862720904	0.660952432	0.50864282	0.998252924
chr1:203680004-203691817	exonic	ATP2B4	1	203680004	203691817	2	1	1	2	0	0	11813	0.84214148	1.231223157	2.734919209	0.450186299	0.652576114	0.998252924
chr1:48771458-48825442	exonic	SPATA6	1	48771458	48825442	2	1	1	2	0	0	53984	0.84214148	1.231223157	2.734919209	0.450186299	0.652576114	0.998252924
chr3:124996569-125050082	exonic	ZNF148	3	124996569	125050082	2	1	1	2	0	0	53513	0.84214148	1.231223157	2.734919209	0.450186299	0.652576114	0.998252924
chr1:227381486-227441856	exonic	CDC42BPA	1	227381486	227441856	0	2	3	1	2	0	60370	1.288724903	1.233993663	2.359101219	0.523077879	0.600920058	0.998252924
chr21:34799190-34805178	exonic	IFNGR2	21	34799190	34805178	0	2	3	1	2	0	5988	1.288724903	1.233993663	2.359101219	0.523077879	0.600920058	0.998252924
chr2:230723487-230744844	exonic	TRIP12	2	230723487	230744844	10	0	2	4	2	0	21357	2.351707863	1.234224979	1.88332011	0.655345298	0.512245462	0.998252924
chr16:25066140-25123317	exonic	LCMT1	16	25066140	25123317	0	3	3	4	0	0	57177	1.539880014	1.234462797	2.381033085	0.518456801	NA	NA
chr4:25766947-25769452	exonic	SELIL3	4	25766947	25769452	0	1	4	0	3	0	2505	1.326434167	1.238266216	2.548407646	0.485898015	0.627039476	0.998252924
chr15:45467416-45470504	exonic	SHF	15	45467416	45470504	7	1	0	4	0	0	3088	1.502429939	1.240055689	2.420425204	0.512329688	NA	NA
chr9:123924133-123924549	exonic	CNTRL	9	123924133	123924549	7	1	0	4	0	0	416	1.502429939	1.240055689	2.420425204	0.512329688	NA	NA
chr4:103635594-103647840	exonic	MANBA	4	103635594	103647840	2	5	11	4	7	0	12246	4.571749655	1.242449687	1.389555996	0.894134306	0.371250036	0.998252924
chr1:227192694-227223308	exonic	CDC42BPA	1	227192694	227223308	3	0	0	1	0	0	30614	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr1:235377083-235384977	exonic	ARID4B	1	235377083	235384977	3	0	0	1	0	0	7894	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr1:246021797-246093239	exonic	SMYD3	1	246021797	246093239	3	0	0	1	0	0	71442	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr1:32495898-32510991	exonic	KHDRBS1	1	32495898	32510991	3	0	0	1	0	0	15093	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr1:40422758-40424497	exonic	MFSD2A	1	40422758	40424497	3	0	0	1	0	0	1739	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr10:104636710-104650435	exonic	AS3MT	10	104636710	104650435	3	0	0	1	0	0	13725	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr11:67938481-67953395	exonic	KMT5B	11	67938481	67953395	3	0	0	1	0	0	14914	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr11:93141396-93148280	exonic	CCDC67	11	93141396	93148280	3	0	0	1	0	0	6884	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr12:111990083-111990781	exonic	ATXN2	12	111990083	111990781	3	0	0	1	0	0	698	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr12:118474142-118476193	exonic	WSB2	12	118474142	118476193	3	0	0	1	0	0	2051	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr12:124911167-124922542	exonic	NCOR2	12	124911167	124922542	3	0	0	1	0	0	11375	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr13:100909848-100962162	exonic	PCCA	13	100909848	100962162	3	0	0	1	0	0	52314	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA

chr14:74325518-74340917	exonic	PTGR2	14	74325518	74340917	3	0	0	1	0	0	15399	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr15:51204274-51223168	exonic	AP4E1	15	51204274	51223168	3	0	0	1	0	0	18894	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr15:66048477-66053776	exonic	DENND4A	15	66048477	66053776	3	0	0	1	0	0	5299	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr2:110321942-110343415	exonic		2	110321942	110343415	3	0	0	1	0	0	21473	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr2:160604315-160609082	exonic		2	160604315	160609082	3	0	0	1	0	0	4767	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr2:9496175-9508648	exonic	ASAP2	2	9496175	9508648	3	0	0	1	0	0	12473	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr3:167240102-167254788	exonic	WDR49	3	167240102	167254788	3	0	0	1	0	0	14686	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr5:137342678-137354835	exonic	FAM13B	5	137342678	137354835	3	2	0	2	0	0	12157	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr5:93159853-93388932	exonic	FAM172A	5	93159853	93388932	3	0	0	1	0	0	229079	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr7:139083344-139090533	exonic	C7orf55-LUC7L2, LUC7L2	7	139083344	139090533	3	0	0	1	0	0	7189	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr7:139083344-139092096	exonic	C7orf55-LUC7L2, LUC7L2	7	139083344	139092096	3	0	0	1	0	0	8752	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr8:87454847-87460742	exonic	WWP1	8	87454847	87460742	3	0	0	1	0	0	5895	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr9:8517847-8528779	exonic	PTPRD	9	8517847	8528779	3	0	0	1	0	0	10932	0.493272214	1.242694051	3.965972591	0.313339042	NA	NA
chr4:170384393-170459062	exonic	NEK1	4	170384393	170459062	3	0	2	1	0	2	74669	2.156061822	1.243225429	1.844148565	0.674146028	0.500218479	0.998252924
chr8:22054192-22054933	exonic	BMP1	8	22054192	22054933	6	1	5	7	0	0	741	2.678722279	1.244457634	1.816757612	0.684988259	NA	NA
chr15:63998978-64008672	exonic	HERC1	15	63998978	64008672	7	5	5	10	0	0	9694	3.823746574	1.249584472	1.570851411	0.795482286	NA	NA
chr8:37971709-37978667	exonic	ASH2L	8	37971709	37978667	3	2	1	1	2	0	6958	1.281147681	1.251115915	2.180987952	0.573646413	0.566207097	0.998252924
chr1:29010094-29023596	exonic	GMEB1	1	29010094	29023596	4	2	0	3	0	0	13502	1.183433525	1.253429286	2.587645521	0.484389874	0.628109204	0.998252924
chr1:29474592-29481422	exonic	SRSF4	1	29474592	29481422	4	2	0	3	0	0	6830	1.183433525	1.253429286	2.587645521	0.484389874	0.628109204	0.998252924
chr13:30782714-30857928	exonic	KATNAL1	13	30782714	30857928	4	2	0	3	0	0	75214	1.183433525	1.253429286	2.587645521	0.484389874	0.628109204	0.998252924
chr1:51860052-51912777	exonic	EPS15	1	51860052	51912777	3	2	2	4	0	0	52725	1.555296018	1.254196808	2.160135592	0.580610223	NA	NA
chr1:51864703-51913807	exonic	EPS15	1	51864703	51913807	3	2	2	4	0	0	49104	1.555296018	1.254196808	2.160135592	0.580610223	NA	NA
chr12:95602618-95605043	exonic	FGD6	12	95602618	95605043	18	74	21	23	26	8	2425	27.41844733	1.255908596	0.780968079	1.608143316	NA	NA
chr10:76978820-76979114	exonic	VDAC2	10	76978820	76979114	2	4	0	0	3	0	294	1.318159347	1.257199254	2.508405762	0.501194533	0.616234222	0.998252924
chr1:51121113-51210447	exonic	FAF1	1	51121113	51210447	0	4	0	0	2	0	89334	0.93915804	1.258204974	3.113591524	0.404100848	NA	NA
chr16:21326632-21328447	ncRNA_exonic	CRYM-AS1	16	21326632	21328447	0	4	0	0	2	0	1815	0.93915804	1.258204974	3.113591524	0.404100848	NA	NA
chr21:35229039-35239635	exonic	ITSN1	21	35229039	35239635	0	4	0	0	2	0	10596	0.93915804	1.258204974	3.113591524	0.404100848	NA	NA
chr3:37424717-37441150	UTR5		3	37424717	37441150	0	4	0	0	2	0	16433	0.93915804	1.258204974	3.113591524	0.404100848	NA	NA
chr6:108227651-108246136	exonic	SEC63	6	108227651	108246136	0	4	0	0	2	0	18485	0.93915804	1.258204974	3.113591524	0.404100848	NA	NA
chr15:86207793-86253876	exonic	AKAP13	15	86207793	86253876	4	0	2	2	1	0	46083	1.244136014	1.266064556	2.364551541	0.535435381	0.59234883	0.998252924
chr2:173423435-173460751	exonic	PDK1	2	173423435	173460751	0	7	0	1	3	0	37316	1.689324244	1.266358823	2.358604243	0.536910263	NA	NA
chr16:72984367-72994093	exonic	ZFH3	16	72984367	72994093	4	8	2	7	1	0	9726	3.169899333	1.270327426	1.581071226	0.803459961	NA	NA
chr6:99887644-99913012	exonic	USP45	6	99887644	99913012	0	2	3	2	1	0	25368	1.274008867	1.273564286	2.366604723	0.53813984	0.59048051	0.998252924
chr14:91947919-91957146	exonic	PPP4R3A	14	91947919	91957146	10	10	3	3	5	2	9227	5.164942977	1.274150029	1.197843524	1.063703233	0.287463159	0.998252924
chr15:42553155-42560230	exonic	TMEM87A	15	42553155	42560230	12	4	7	5	7	0	7075	5.004578567	1.276123045	1.269403295	1.005293629	0.314755482	0.998252924

chr15:57730182-57734676	exonic	CGNL1	15	57730182	57734676	6	4	0	3	2	0	4494	2.032013852	1.276749574	1.94697323	0.655761237	0.511977761	0.998252924
chr9:6880011-6893232	exonic	KDM4C	9	6880011	6893232	13	6	6	6	7	0	13221	5.391159467	1.276889136	1.222944904	1.044110108	0.29643445	0.998252924
chr6:71298711-71298963	downstream	SDHAF4(dist=105)	6	71298711	71298963	20	13	10	12	5	3	252	9.623544056	1.278241733	0.928632414	1.376477617	0.168673812	0.998252924
chr16:53913755-53922863	exonic	FTO	16	53913755	53922863	2	0	2	2	0	0	9108	0.865134707	1.278278481	2.914662523	0.438568263	0.660974397	0.998252924
chr17:74283272-74301022	exonic	QRICH2	17	74283272	74301022	2	0	2	2	0	0	17750	0.865134707	1.278278481	2.914662523	0.438568263	0.660974397	0.998252924
chr7:5778906-5781446	exonic	RNF216	7	5778906	5781446	4	1	0	0	2	0	2540	0.932278414	1.278984656	2.8506121	0.448670184	0.653669596	0.998252924
chr12:11839672-11843609	intronic	ETV6	12	11839672	11843609	0	0	5	0	3	0	3937	1.349427393	1.280117793	2.75407213	0.464809102	NA	NA
chr2:110583452-110584015	exonic	RGPD5, RGPD6	2	110583452	110584015	3	2	4	3	2	0	563	2.085577528	1.280603856	1.780819437	0.719109321	0.472073565	0.998252924
chr19:12783660-12784130	exonic	WDR83	19	12783660	12784130	1	3	0	2	0	0	470	0.86443711	1.282170181	2.935467221	0.436785726	0.662266752	0.998252924
chr4:89396991-89415482	exonic	HERC5	4	89396991	89415482	1	3	0	2	0	0	18491	0.86443711	1.282170181	2.935467221	0.436785726	0.662266752	0.998252924
chr9:33036571-33037113	exonic	DNAJA1	9	33036571	33037113	1	3	0	2	0	0	542	0.86443711	1.282170181	2.935467221	0.436785726	0.662266752	0.998252924
chr10:32854486-32873232	exonic	CCDC7	10	32854486	32873232	13	9	7	13	3	0	18746	6.371325899	1.282868519	1.19071871	1.077390074	NA	NA
chr19:37416101-37428144	exonic	ZNF568	19	37416101	37428144	2	1	2	1	0	1	12043	1.24131773	1.284277222	2.268732211	0.566077043	0.571341408	0.998252924
chr19:13039155-13039661	exonic	FARSA	19	13039155	13039661	20	17	16	21	9	0	506	12.02051773	1.285259073	0.970443024	1.324404465	0.185368753	0.998252924
chr16:11940357-11941663	exonic	RSL1D1	16	11940357	11941663	4	3	6	1	6	0	1306	3.054865237	1.287793594	1.58879133	0.810549233	NA	NA
chr14:75202687-75203028	UTR3	<small>PCF1(OM_015962;c.*1054_*1395de1ins0)</small>	14	75202687	75203028	5	6	0	6	0	0	341	2.328457819	1.290483372	2.045661469	0.630839165	0.528145693	0.998252924
chr8:42761315-42852780	exonic	HOOK3	8	42761315	42852780	7	0	0	2	1	0	91465	1.236558792	1.293119987	2.594473148	0.498413325	NA	NA
chr1:113124996-113153625	exonic	ST7L	1	113124996	113153625	0	3	1	0	2	0	28629	0.962151266	1.294696355	2.837780118	0.456235614	0.648220558	0.998252924
chr6:137015277-137041727	exonic	MAP3K5	6	137015277	137041727	0	3	1	0	2	0	26450	0.962151266	1.294696355	2.837780118	0.456235614	0.648220558	0.998252924
chr17:78298829-78302277	exonic	RNF213	17	78298829	78302277	1	1	2	1	1	0	3448	0.9251396	1.29573722	2.494588403	0.519419243	0.603468415	0.998252924
chr3:33661094-33686395	exonic	CLASP2	3	33661094	33686395	0	3	2	3	0	0	25301	1.236299604	1.297792023	2.571075694	0.504766167	NA	NA
chrX:17121840-17157084	exonic	REPS2	X	17121840	17157084	2	1	5	4	2	0	35244	2.382719091	1.29934991	1.90423273	0.68234827	NA	NA
chr4:39915230-39927553	exonic	PDS5A	4	39915230	39927553	12	9	14	6	13	0	12323	8.089316657	1.300399104	1.096429977	1.186030235	0.23561036	0.998252924
chr15:56680669-56687032	exonic	TEX9	15	56680669	56687032	2	6	8	1	8	0	6363	3.956311644	1.301525591	1.503993133	0.865380009	0.38683025	0.998252924
chr1:78177431-78181553	exonic	USP33	1	78177431	78181553	2	12	2	5	4	0	4122	3.759488138	1.30182832	1.499362863	0.868254345	NA	NA
chr1:70761812-70781249	exonic	ANKRD13C	1	70761812	70781249	0	1	4	2	1	0	19437	1.297002093	1.305109146	2.383466621	0.54756762	0.583988828	0.998252924
chr16:10513438-10567846	exonic	ATF7IP2	16	10513438	10567846	5	0	0	2	0	0	54408	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr19:47474571-47474851	intronic	ARHGAP35	19	47474571	47474851	5	0	0	2	0	0	280	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr2:69573035-69590802	exonic	GFPT1	2	69573035	69590802	5	0	0	2	0	0	17767	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr2:69577209-69590802	exonic	GFPT1	2	69577209	69590802	5	0	0	2	0	0	13593	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr3:184023185-184024833	exonic	PSMD2	3	184023185	184024833	5	0	0	2	0	0	1648	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr3:52238708-52240767	exonic	ALAS1	3	52238708	52240767	5	0	0	2	0	0	2059	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr4:57363063-57363480	intronic	SRP72	4	57363063	57363480	5	0	0	2	0	0	417	0.857557484	1.30593748	3.198827361	0.408255067	NA	NA
chr1:225266908-225284941	exonic	DNAH14	1	225266908	225284941	3	5	0	0	0	2	18033	1.874777041	1.306000867	2.271589705	0.57492815	0.565339891	0.998252924
chr9:114289547-114296633	exonic	ZNF483	9	114289547	114296633	10	0	1	3	2	0	7086	2.048127452	1.310568205	2.009976084	0.652031741	NA	NA

chr11:125472197-125474142	exonic	STT3A	11	125472197	125474142	0	4	0	1	1	0	1945	0.924442003	1.3110312	2.900352817	0.45202473	NA	NA
chr22:22153300-22162135	exonic	MAPK1	22	22153300	22162135	2	5	4	2	4	0	8835	2.615161441	1.313417885	1.650304338	0.795864045	0.426111062	0.998252924
chr10:64990055-64991707	intronic	JMJD1C	10	64990055	64991707	4	0	2	3	0	0	1652	1.229419978	1.314755163	2.558682198	0.513840744	NA	NA
chr8:68934270-68973014	exonic	PREX2	8	68934270	68973014	4	0	2	3	0	0	38744	1.229419978	1.314755163	2.558682198	0.513840744	NA	NA
chrX:41519691-41530783	exonic	CASK	X	41519691	41530783	4	3	4	1	1	2	11092	2.671627295	1.315886049	1.603393908	0.820687944	0.41182404	0.998252924
chr22:50191452-50198008	exonic	BRD1	22	50191452	50198008	1	2	1	2	0	0	6556	0.887430337	1.317422408	2.692268695	0.489335411	0.624604255	0.998252924
chr7:74157787-74159280	exonic	GTF2I	7	74157787	74159280	1	2	1	2	0	0	1493	0.887430337	1.317422408	2.692268695	0.489335411	0.624604255	0.998252924
chr17:40990747-40991397	exonic	PSME3	17	40990747	40991397	4	0	1	0	2	0	650	0.95527164	1.317910344	2.82888044	0.465877004	0.641303542	0.998252924
chr17:9843442-9850300	exonic	GAS7	17	9843442	9850300	3	4	2	5	0	0	6858	2.010159001	1.321997653	1.964873451	0.672815673	NA	NA
chr1:46521466-46546422	exonic	PIK3R3	1	46521466	46546422	4	7	0	6	0	0	24956	2.373746676	1.324775042	2.042009185	0.64876057	0.516493148	0.998252924
chr3:57276883-57301820	exonic	APPL1	3	57276883	57301820	4	2	2	0	2	1	24937	1.809310873	1.3250561	1.94389888	0.681648677	0.495461127	0.998252924
chr2:172782046-172809519	exonic	HAT1	2	172782046	172809519	2	2	3	4	0	0	27473	1.623578101	1.325591242	2.137420769	0.620182634	NA	NA
chr6:76357446-76388643	exonic	SENP6	6	76357446	76388643	0	5	2	2	2	0	31197	1.72059466	1.326307273	2.11732745	0.626406309	0.531048472	0.998252924
chr4:100208007-100266423	exonic	ADH1A, ADH1B, ADH1C	4	100208007	100266423	0	2	2	0	2	0	58416	0.985144493	1.333124854	2.79739525	0.476559347	0.633675938	0.998252924
chr12:12653452-12674397	exonic	DUSP16	12	12653452	12674397	0	9	0	2	3	0	20945	2.144187227	1.333641519	2.165876278	0.615751478	NA	NA
chr1:145646114-145663367	exonic	RNF115	1	145646114	145663367	2	2	2	1	2	0	17253	1.349429764	1.33373797	2.133396064	0.62517129	0.531858643	0.998252924
chr16:69685806-69686118	intronic	NFAT5	16	69685806	69686118	2	4	5	0	0	3	312	2.866078036	1.335201484	1.828501699	0.730216157	NA	NA
chr1:16199310-16203173	exonic	SPEN	1	16199310	16203173	2	1	0	0	1	0	3863	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr1:51001040-51061888	exonic	FAF1	1	51001040	51061888	2	1	0	0	1	0	60848	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr10:225933-295028	exonic	ZMYND11	10	225933	295028	2	1	0	0	1	0	69095	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr10:28872327-28879761	exonic	WAC	10	28872327	28879761	2	1	0	0	1	0	7434	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr11:110007387-110008139	exonic	ZC3H12C	11	110007387	110008139	2	1	0	0	1	0	752	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr12:104370695-104374740	exonic	TDG	12	104370695	104374740	2	1	0	0	1	0	4045	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr12:12332743-12340053	exonic	LRP6	12	12332743	12340053	2	1	0	0	1	0	7310	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr16:68059317-68088520	exonic	DUS2	16	68059317	68088520	0	1	0	0	2	0	29203	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr2:174783320-174820960	exonic	SP3	2	174783320	174820960	2	1	0	0	1	0	37640	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr2:43625109-43712464	exonic	THADA	2	43625109	43712464	2	1	0	0	1	0	87355	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr8:141856358-141935848	exonic	PTK2	8	141856358	141935848	2	1	0	0	1	0	79490	0.553277106	1.335238618	3.472510842	0.38451676	0.700595476	0.998252924
chr8:17675958-17676530	intergenic	MTUS1 (dist=17532), FGL1 (dist=45370)	8	17675958	17676530	7	0	0	3	0	0	572	1.221842755	1.337782705	2.820685212	0.474275789	NA	NA
chr22:46085591-46114373	exonic	ATXN10	22	46085591	46114373	7	9	0	4	2	1	28782	3.446909784	1.340036733	1.55134264	0.863791594	0.387702386	0.998252924
chr7:139827241-139829453	exonic	KDM7A	7	139827241	139829453	1	0	3	1	1	0	2212	0.948132826	1.340775182	2.659181816	0.504205908	0.614116689	0.998252924
chr16:47531309-47581459	exonic	PHKB	16	47531309	47581459	6	5	3	3	4	0	50150	3.040151571	1.341333391	1.518875603	0.883109445	0.377177142	0.998252924
chr3:47651555-47663831	exonic	SMARCC1	3	47651555	47663831	2	1	0	0	0	1	12276	0.740468293	1.342039867	3.181292157	0.4218537	NA	NA
chr7:8062112-8110761	exonic	GLCCI1	7	8062112	8110761	2	1	0	0	0	1	48649	0.740468293	1.342039867	3.181292157	0.4218537	NA	NA
chr20:34315175-34315528	intronic	RBM39	20	34315175	34315528	0	5	4	0	5	0	353	2.265592206	1.34381672	2.095831764	0.641185396	NA	NA

chr7:5939914-5940563	exonic	CCZ1	7	5939914	5940563	0	3	1	1	1	0	649	0.94743523	1.344470953	2.659893919	0.505460366	0.61323553	0.998252924
chr2:190593385-190609514	exonic	ANKAR	2	190593385	190609514	12	6	8	4	9	0	16129	5.686142649	1.345005462	1.218691997	1.10364675	0.269746403	0.998252924
chr5:43675612-43702838	exonic	NNT	5	43675612	43702838	6	3	4	7	0	0	27226	2.830004852	1.345394756	1.733805384	0.775977955	NA	NA
chr19:50902104-50902741	exonic	POLD1	19	50902104	50902741	26	12	5	20	2	0	637	8.799597775	1.346615356	1.172750498	1.14825392	0.250863756	0.998252924
chr19:50902107-50902741	exonic	POLD1	19	50902107	50902741	26	12	5	20	2	0	634	8.799597775	1.346615356	1.172750498	1.14825392	0.250863756	0.998252924
chr18:56363597-56367823	exonic	MALT1	18	56363597	56367823	9	3	4	6	2	0	4226	3.352709139	1.351529396	1.488540857	0.907955861	0.363901542	0.998252924
chr4:121675707-121737729	exonic	PRDM5	4	121675707	121737729	11	10	3	7	5	0	62022	5.102738243	1.352502003	1.269340824	1.065515248	0.286642829	0.998252924
chr20:48256214-48257202	exonic	B4GALT5	20	48256214	48257202	3	0	3	2	1	0	988	1.312418097	1.353472191	2.322893445	0.582666499	0.56011783	0.998252924
chr11:128628009-128638167	exonic	FLI1	11	128628009	128638167	1	1	2	2	0	0	10158	0.910423563	1.35691005	2.671941126	0.507836807	0.611567795	0.998252924
chr17:76075475-76083174	exonic	TNRC6C	17	76075475	76083174	3	2	4	5	0	0	7699	2.056145454	1.358431008	1.955093727	0.694816309	NA	NA
chr7:38282029-38299831	exonic	TARP	7	38282029	38299831	3	2	0	0	2	0	17802	0.97756727	1.358888541	2.780364744	0.488744703	0.625022451	0.998252924
chr7:5087664-5097410	exonic	RBAK, RBAK-RBAKDN	7	5087664	5097410	3	2	0	0	2	0	9746	0.97756727	1.358888541	2.780364744	0.488744703	0.625022451	0.998252924
chr6:86328535-86329135	exonic	SYNCRIP	6	86328535	86329135	12	4	3	5	4	0	600	3.852420199	1.359879376	1.404966184	0.967908973	0.333089833	0.998252924
chr8:102570646-102571040	exonic	GRHL2	8	102570646	102571040	0	4	3	1	1	1	394	1.824467689	1.360251055	2.007409075	0.677615277	NA	NA
chr12:90010578-90029028	exonic	ATP2B1	12	90010578	90029028	2	2	5	4	1	0	18450	2.139143574	1.367639606	1.816122659	0.753054646	NA	NA
chr6:135621637-135644462	exonic	AHI1	6	135621637	135644462	2	0	4	0	3	0	22825	1.410132253	1.369463813	2.461501891	0.556352939	0.577969603	0.998252924
chr1:42730785-42776781	exonic	FOXJ3	1	42730785	42776781	2	2	2	2	1	0	45996	1.334713727	1.371564003	2.139697282	0.641008433	0.521517204	0.998252924
chr22:32108068-32121596	exonic	PRR14L	22	32108068	32121596	0	1	3	0	2	0	13528	1.008137719	1.371665134	2.797522415	0.49031426	0.623911538	0.998252924
chr15:23329957-23331101	ncRNA_exonic	HERC2P2	15	23329957	23331101	4	0	1	1	1	0	1144	0.940555604	1.373406142	2.649998312	0.518266799	0.604272134	0.998252924
chr1:85647780-85656435	exonic	SYDE2	1	85647780	85656435	0	4	0	2	0	0	8655	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chr15:43628823-43641243	exonic	ADAL	15	43628823	43641243	0	4	0	2	0	0	12420	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chr15:43628823-43643239	exonic	ADAL	15	43628823	43643239	0	4	0	2	0	0	14416	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chr20:16351231-16362392	exonic	KIF16B	20	16351231	16362392	0	4	0	2	0	0	11161	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chr22:24698162-24734445	exonic	SPECC1L	22	24698162	24734445	0	2	0	3	0	0	36283	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chr9:35058687-35069559	exonic	VCP	9	35058687	35069559	0	4	0	2	0	0	10872	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chrX:3740114-3744770	ncRNA_intronic	LOC389906	X	3740114	3744770	0	4	0	2	0	0	4656	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chrX:71710778-71715118	exonic	HDAC8	X	71710778	71715118	0	4	0	2	0	0	4340	0.909725967	1.374638634	3.146583292	0.436867073	NA	NA
chr15:38595293-38602436	intronic	SPRED1	15	38595293	38602436	2	4	0	3	0	0	7143	1.274011237	1.378173813	2.533238272	0.544036393	0.586416429	0.998252924
chr19:34922765-34955036	exonic	UBA2	19	34922765	34955036	2	4	0	3	0	0	32271	1.274011237	1.378173813	2.533238272	0.544036393	0.586416429	0.998252924
chr19:34922765-34957919	exonic	UBA2	19	34922765	34957919	2	4	0	3	0	0	35154	1.274011237	1.378173813	2.533238272	0.544036393	0.586416429	0.998252924
chr22:22024201-22029404	exonic	PPIL2	22	22024201	22029404	5	4	0	0	4	0	5203	1.826147597	1.38187736	2.224035326	0.621337865	NA	NA
chr1:101372407-101387397	exonic	SLC30A7	1	101372407	101387397	4	4	0	4	0	0	14990	1.638296508	1.383167944	2.307113876	0.599523049	NA	NA
chr1:204521309-204521551	UTR3		1	204521309	204521551	4	4	0	4	0	0	242	1.638296508	1.383167944	2.307113876	0.599523049	NA	NA
chr5:176618884-176631293	exonic	NSD1	5	176618884	176631293	0	4	3	3	1	0	12409	1.72887185	1.384291133	2.124511952	0.65158077	NA	NA
chr1:237538016-237540735	exonic	RYR2	1	237538016	237540735	2	1	0	1	0	0	2719	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924

chr1:54506428-54513045	exonic	TMEM59	1	54506428	54513045	2	1	0	1	0	0	6617	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr10:104632204-104632990	exonic	AS3MT	10	104632204	104632990	2	1	0	1	0	0	786	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr11:82560090-82571159	exonic	PRCP	11	82560090	82571159	2	1	0	1	0	0	11069	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr12:133357383-133359079	exonic	GOLGA3	12	133357383	133359079	2	1	0	1	0	0	1696	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr16:1774557-1779579	exonic	MAPK8IP3	16	1774557	1779579	2	1	0	1	0	0	5022	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr2:42513408-42531691	exonic	EML4	2	42513408	42531691	2	1	0	1	0	0	18283	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr2:9496175-9499018	exonic	ASAP2	2	9496175	9499018	2	1	0	1	0	0	2843	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr6:16486202-16753578	UTR5	<small>UTR5 (dist=362009), PHDC1 (dist=24473)</small>	6	16486202	16753578	2	1	0	1	0	0	267376	0.53856107	1.386819154	3.508746098	0.395246369	0.692661075	0.998252924
chr22:24133942-24135875	exonic	SMARCB1	22	24133942	24135875	4	3	0	0	3	0	1933	1.401857434	1.386868299	2.440496719	0.568272962	NA	NA
chr15:59323002-59323901	exonic	RNF111	15	59323002	59323901	5	3	2	3	0	1	899	2.189452926	1.387301291	1.7948376	0.77293973	0.43955805	0.998252924
chr3:171969049-172016577	exonic	FNDC3B	3	171969049	172016577	0	0	7	0	2	1	47528	1.931156631	1.391081446	2.304344447	0.603677739	NA	NA
chr6:44320462-44344210	exonic	SPATS1	6	44320462	44344210	4	1	0	2	0	0	23748	0.902846341	1.39140091	2.880324318	0.483070917	0.629045383	0.998252924
chr7:148851036-148851432	exonic	ZNF398	7	148851036	148851432	0	1	4	0	1	1	396	1.392597932	1.394044778	2.38275234	0.585056514	0.558509717	0.998252924
chr1:180953812-180974599	exonic	STX6	1	180953812	180974599	6	6	0	6	0	0	20787	2.457444762	1.394898044	2.009449746	0.694169161	NA	NA
chr13:95813442-95818621	exonic	ABCC4	13	95813442	95818621	2	3	1	3	0	0	5179	1.297004464	1.396022708	2.330841687	0.598935018	NA	NA
chr12:112641439-112642427	exonic	HECTD4	12	112641439	112642427	2	0	1	0	1	0	988	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr13:111857635-111885640	exonic	ARHGEF7	13	111857635	111885640	2	0	1	0	1	0	28005	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr13:20600751-20633702	exonic	ZMYM2	13	20600751	20633702	2	0	1	0	1	0	32951	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr15:43102811-43132631	exonic	TTBK2	15	43102811	43132631	2	0	1	0	1	0	29820	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr15:50741596-50751359	exonic	USP8	15	50741596	50751359	2	0	1	0	1	0	9763	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr16:19656207-19663412	exonic	C16orf62	16	19656207	19663412	2	0	1	0	1	0	7205	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr16:19741751-19746772	exonic	IQCK	16	19741751	19746772	2	0	1	0	1	0	5021	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr5:134076752-134077213	exonic	CAMLG	5	134076752	134077213	2	0	1	0	1	0	461	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr5:38496483-38530768	exonic	LIFR	5	38496483	38530768	2	0	1	0	1	0	34285	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr7:50737418-50771605	exonic	GRB10	7	50737418	50771605	2	0	1	0	1	2	34187	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr8:125597327-125603476	exonic	MTSS1	8	125597327	125603476	2	0	1	0	1	0	6149	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr8:17817522-17819683	exonic	PCMI	8	17817522	17819683	2	0	1	0	1	0	2161	0.576270333	1.397226611	3.423301671	0.408151763	0.68316226	0.998252924
chr1:174244970-174274265	exonic	RABGAP1L	1	174244970	174274265	6	3	0	2	2	0	29295	1.751426668	1.397798591	2.069704177	0.675361535	0.499446097	0.998252924
chr10:94653105-94659401	exonic	EXOC6	10	94653105	94659401	5	0	5	3	2	0	6296	2.192268841	1.400429219	1.912094228	0.732405965	0.463920819	0.998252924
chr9:146101-164037	exonic	CBWD1	9	146101	164037	2	0	1	0	0	1	17936	0.76346152	1.401365529	3.149846355	0.444899646	NA	NA
chr8:87540763-87544808	exonic	CPNE3	8	87540763	87544808	0	5	1	0	3	0	4045	1.431730286	1.401702059	2.483824264	0.564332219	0.572528058	0.998252924
chr1:58999621-59004978	exonic	OMAI	1	58999621	59004978	3	0	3	3	0	0	5357	1.29770206	1.404296108	2.511132731	0.559228149	0.576006025	0.998252924
chr17:49118861-49133843	exonic	SPAG9	17	49118861	49133843	1	0	3	2	0	0	14982	0.93341679	1.404557292	2.865219799	0.490209265	0.623985825	0.998252924
chr5:139819703-139825560	exonic	ANKHD1, ANKHD1-E1F4EBP3	5	139819703	139825560	0	0	5	3	0	0	5857	1.305279283	1.404684709	2.781074719	0.505087008	NA	NA
chrX:75367088-75368291	intergenic	<small>MAGE2 (dist=362009), PHDC1 (dist=24473)</small>	X	75367088	75368291	0	0	5	3	0	0	1203	1.305279283	1.404684709	2.781074719	0.505087008	NA	NA

chr19:18285849-18286507	exonic	IFI30	19	18285849	18286507	5	0	8	6	1	0	658	2.981982651	1.410569002	1.774660283	0.794838886	0.426707228	0.998252924
chr13:43500471-43544806	exonic	EPSTI1	13	43500471	43544806	3	2	0	1	1	0	44335	0.962851233	1.41345939	2.604551658	0.542688177	0.587344516	0.998252924
chr17:62817884-62818511	ncRNA_exonic	MIR4315-1, MIR4315-2, PLEKHM1P1	17	62817884	62818511	7	2	2	3	2	0	627	2.206987248	1.415281189	1.752919056	0.807385363	0.419444497	0.998252924
chr3:129546645-129599402	exonic	TMCC1	3	129546645	129599402	1	1	4	0	3	0	52757	1.455421109	1.415621523	2.289740707	0.618245341	NA	NA
chr4:39843567-39847500	exonic	PDS5A	4	39843567	39847500	0	0	4	0	2	0	3933	1.031130946	1.416215706	3.020867224	0.468810974	NA	NA
chr7:90355880-90377090	exonic	CDK14	7	90355880	90377090	0	0	4	0	2	0	21210	1.031130946	1.416215706	3.020867224	0.468810974	NA	NA
chr18:51797729-51804225	exonic	POLI	18	51797729	51804225	5	1	1	2	1	0	6496	1.350129731	1.426366057	2.169061464	0.657595961	0.510797791	0.998252924
chr2:69575302-69590802	exonic	GFPT1	2	69575302	69590802	5	1	1	2	1	0	15500	1.350129731	1.426366057	2.169061464	0.657595961	0.510797791	0.998252924
chr10:12123470-12136270	exonic	DHTKD1	10	12123470	12136270	6	1	2	0	2	1	12800	1.893008959	1.427208613	1.947565458	0.732816762	0.463670197	0.998252924
chr12:82763166-82850599	exonic	METTL25	12	82763166	82850599	3	5	0	4	0	0	87433	1.683585364	1.429559387	2.295327631	0.622812782	0.533407558	0.998252924
chr3:47651555-47680270	exonic	SMARCC1	3	47651555	47680270	3	5	0	4	0	0	28715	1.683585364	1.429559387	2.295327631	0.622812782	0.533407558	0.998252924
chr11:93429485-93433352	exonic	CEP295	11	93429485	93433352	3	3	0	1	0	1	3867	1.32431822	1.431661539	2.361885986	0.606151841	0.544413929	0.998252924
chr1:14042035-14068652	exonic	PRDM2	1	14042035	14068652	3	0	2	0	2	0	26617	1.023553723	1.431918736	2.740980244	0.522411185	0.60138407	0.998252924
chr1:233334684-233372726	exonic	PCNXL2	1	233334684	233372726	3	0	2	0	2	0	38042	1.023553723	1.431918736	2.740980244	0.522411185	0.60138407	0.998252924
chr12:111923074-111924628	exonic	ATXN2	12	111923074	111924628	3	0	2	0	2	0	1554	1.023553723	1.431918736	2.740980244	0.522411185	0.60138407	0.998252924
chr2:73675089-73682422	exonic	ALMS1	2	73675089	73682422	3	0	2	0	2	0	7333	1.023553723	1.431918736	2.740980244	0.522411185	0.60138407	0.998252924
chr9:125617462-125621381	exonic	RC3H2	9	125617462	125621381	5	0	5	4	1	0	3919	2.177552804	1.432227573	1.945284464	0.736256111	0.461574851	0.998252924
chr13:41515056-41518061	exonic	ELF1	13	41515056	41518061	2	3	5	1	4	0	3005	2.357567483	1.432308543	1.75335731	0.816894842	0.413988526	0.998252924
chr4:48686689-48712715	UTR5	FRYL(NM_015030:c.-75986..-76288delins0)	4	48686689	48712715	10	0	4	0	6	0	26026	2.805110061	1.434602767	1.949230548	0.735984139	0.46174035	0.998252924
chr15:42040834-42046765	exonic	MGA	15	42040834	42046765	2	3	0	0	2	0	5931	1.022856126	1.434604538	2.74172483	0.523248913	0.600801047	0.998252924
chr16:17352844-17353355	exonic	XYLT1	16	17352844	17353355	2	3	0	0	2	0	511	1.022856126	1.434604538	2.74172483	0.523248913	0.600801047	0.998252924
chr4:87607862-87614827	exonic	PTPN13	4	87607862	87614827	2	3	0	0	2	0	6965	1.022856126	1.434604538	2.74172483	0.523248913	0.600801047	0.998252924
chr8:133740043-133769540	exonic	TMEM71	8	133740043	133769540	2	3	0	0	2	0	29497	1.022856126	1.434604538	2.74172483	0.523248913	0.600801047	0.998252924
chrX:72797242-72804408	exonic	CHIC1	X	72797242	72804408	5	0	7	3	3	0	7166	2.707834313	1.434676884	1.781524006	0.805308757	0.420641529	0.998252924
chr14:56078736-56086030	exonic	KTN1	14	56078736	56086030	7	4	2	4	2	0	7294	2.661850231	1.43601407	1.620739617	0.886023921	0.375604637	0.998252924
chr18:51797729-51800460	exonic	POLI	18	51797729	51800460	10	0	4	0	4	1	2731	2.871273826	1.436432098	1.810862632	0.793230846	0.427643339	0.998252924
chr16:48290520-48311390	exonic	LONP2	16	48290520	48311390	2	0	4	2	1	0	20870	1.38070018	1.437413879	2.300702201	0.62477181	0.532120835	0.998252924
chr12:113707561-113722576	exonic	TPCN1	12	113707561	113722576	3	1	2	0	1	1	15015	1.385020709	1.445329848	2.185572088	0.661305045	0.508416707	0.998252924
chr10:74912050-74920309	exonic	ECD	10	74912050	74920309	0	2	2	2	0	0	8259	0.955712419	1.445512618	2.824655296	0.511748325	0.60882716	0.998252924
chr14:89628045-89817152	exonic	FOXN3	14	89628045	89817152	0	2	2	2	0	0	189107	0.955712419	1.445512618	2.824655296	0.511748325	0.60882716	0.998252924
chr2:61333697-61345251	exonic	KIAA1841	2	61333697	61345251	0	2	2	2	0	0	11554	0.955712419	1.445512618	2.824655296	0.511748325	0.60882716	0.998252924
chr1:115262199-115263338	exonic	CSDE1	1	115262199	115263338	3	1	1	1	1	0	1139	0.98584446	1.447777587	2.428847848	0.596075867	0.551124545	0.998252924
chr10:15863654-15889942	exonic	FAM188A	10	15863654	15889942	24	5	7	32	25	2	26288	0.98584446	1.447777587	2.428847848	0.596075867	0.551124545	0.998252924
chrX:149905066-149905920	exonic	MTMR1	X	149905066	149905920	7	3	3	4	2	0	854	2.684843457	1.44812944	1.609127126	0.899947193	0.368148354	0.998252924
chr10:93841076-93851701	exonic	CPEB3	10	93841076	93851701	2	0	1	1	0	0	10625	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924

chr12:113758135-113759153	exonic	SLC8B1	12	113758135	113759153	2	0	1	1	0	0	1018	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr12:2595269-2602552	exonic	CACNA1C	12	2595269	2602552	2	0	1	1	0	0	7283	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr14:35044961-35078948	exonic	SNX6	14	35044961	35078948	2	0	1	1	0	0	33987	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr14:75553720-75555344	exonic	NEK9	14	75553720	75555344	2	0	1	1	0	0	1624	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr2:128855002-128861588	exonic	UGGT1	2	128855002	128861588	2	0	1	1	0	0	6586	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr2:180347998-180409696	exonic	ZNF385B	2	180347998	180409696	2	0	1	1	0	0	61698	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr4:62598471-62599272	exonic	ADGRL3	4	62598471	62599272	2	0	1	1	0	0	801	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr6:142688705-142691930	exonic	ADGRG6	6	142688705	142691930	2	0	1	1	0	0	3225	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr6:86227473-86243518	exonic	SNX14	6	86227473	86243518	2	0	1	1	0	0	16045	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr7:94827660-94898019	exonic	PPP1R9A	7	94827660	94898019	2	0	1	1	0	0	70359	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr9:128099296-128109220	exonic	GAPVD1	9	128099296	128109220	2	0	1	1	0	0	9924	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr9:135917473-135919313	exonic	GTF3C5	9	135917473	135919313	2	0	1	1	0	0	1840	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chrX:154736558-154754293	exonic	TMLHE	X	154736558	154754293	2	0	1	1	0	0	17735	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chrX:70764416-70767873	exonic	OGT	X	70764416	70767873	2	0	1	1	0	0	3457	0.561554296	1.448660043	3.457471947	0.418994012	0.675220508	0.998252924
chr10:27047991-27059274	exonic	ABII	10	27047991	27059274	5	2	0	3	0	0	11283	1.312420468	1.451445496	2.49936936	0.58072469	0.561426019	0.998252924
chr4:121631463-121732604	exonic	PRDM5	4	121631463	121732604	0	1	0	3	0	0	101141	1.312420468	1.451445496	2.49936936	0.58072469	0.561426019	0.998252924
chrX:107838738-107840798	exonic	COL4A5	X	107838738	107840798	5	2	0	3	0	0	2060	1.312420468	1.451445496	2.49936936	0.58072469	0.561426019	0.998252924
chr20:19970649-19977486	exonic	RIN2	20	19970649	19977486	0	6	0	2	1	0	6837	1.379304987	1.455250896	2.524586807	0.576431316	NA	NA
chr3:184566858-184588593	exonic	VPS8	3	184566858	184588593	0	6	0	2	1	0	21735	1.379304987	1.455250896	2.524586807	0.576431316	NA	NA
chr16:11815432-11830089	exonic	TXNDC11	16	11815432	11830089	1	2	0	0	1	0	14657	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr17:65906992-65909303	exonic	BPTF	17	65906992	65909303	1	2	0	0	1	0	2311	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr21:40585406-40590586	exonic	BRWD1	21	40585406	40590586	1	2	0	0	1	0	5180	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr4:146744573-146824367	exonic	ZNF827	4	146744573	146824367	1	2	0	0	1	0	79794	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr5:147774276-147796767	exonic	FBXO38	5	147774276	147796767	1	2	0	0	1	0	22491	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr5:70797388-70808255	exonic	BDP1	5	70797388	70808255	3	0	0	5	9	0	10867	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr6:158317858-158331057	exonic	SNX9	6	158317858	158331057	1	2	0	0	1	0	13199	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr8:101276261-101300495	exonic	RNF19A	8	101276261	101300495	1	2	0	0	1	0	24234	0.598565963	1.461612439	3.378710434	0.432594763	0.665309195	0.998252924
chr19:20727425-20728782	exonic	ZNF737	19	20727425	20728782	4	9	4	0	8	0	1357	3.841725439	1.463758505	1.598272597	0.915837829	NA	NA
chr10:54040548-54050050	exonic	PRKG1	10	54040548	54050050	1	2	0	0	0	1	9502	0.78575715	1.464541652	3.120921387	0.469265794	NA	NA
chr4:39900008-39904080	exonic	PDS5A	4	39900008	39904080	0	0	4	1	1	0	4072	1.016414909	1.46519148	2.817920605	0.519954848	NA	NA
chr2:70406663-70409129	exonic	C2orf42	2	70406663	70409129	5	6	2	1	3	1	2466	2.862739819	1.466780366	1.543962197	0.950010543	0.342106895	0.998252924
chr14:65896934-65922436	UTR5	<small>UTR5 chr14:65896934-65922436</small>	14	65896934	65922436	4	12	6	6	5	0	25502	5.033876933	1.467179408	1.293777019	1.134028033	0.256782789	0.998252924
chr1:33745724-33746058	exonic	ZNF362	1	33745724	33746058	3	10	1	6	1	0	334	3.085883577	1.4697495	1.652530241	0.889393406	NA	NA
chr1:33058531-33059355	exonic	ZBTB8A	1	33058531	33059355	3	2	0	2	0	0	824	0.948135197	1.470447907	2.808017616	0.523660499	0.600514694	0.998252924
chr1:41578954-41608784	exonic	SCMH1	1	41578954	41608784	3	2	0	2	0	0	29830	0.948135197	1.470447907	2.808017616	0.523660499	0.600514694	0.998252924

chr5:137342678-137356886	exonic	FAM13B	5	137342678	137356886	3	2	0	2	0	0	14208	0.948135197	1.470447907	2.808017616	0.523660499	0.600514694	0.998252924
chr7:26232114-26237352	exonic	HNRNPA2B1	7	26232114	26237352	1	3	0	0	0	0	5238	0.948135197	1.470447907	2.808017616	0.523660499	0.600514694	0.998252924
chr7:26232114-26237486	exonic	HNRNPA2B1	7	26232114	26237486	3	2	0	2	0	0	5372	0.948135197	1.470447907	2.808017616	0.523660499	0.600514694	0.998252924
chr1:26780100-26789924	exonic	DHDDS	1	26780100	26789924	12	2	0	6	0	0	9824	2.534263222	1.470546456	2.028145771	0.725069409	0.46840945	0.998252924
chr2:106761645-106782539	exonic	UXS1	2	106761645	106782539	8	8	8	10	2	0	20894	5.309422834	1.47137375	1.275677319	1.153405902	NA	NA
chr1:243468014-243507633	exonic	SDCCAG8	1	243468014	243507633	0	7	3	0	5	0	39619	2.416874779	1.471536366	2.064518441	0.712774629	0.475985228	0.998252924
chr15:25650608-25660989	exonic	UBE3A	15	25650608	25660989	7	3	9	3	6	0	10381	4.246255913	1.478011292	1.378730231	1.072009055	0.283715965	0.998252924
chr19:23541232-23557566	exonic	ZNF91	19	23541232	23557566	0	2	4	0	3	0	16334	1.500709966	1.478079341	2.420666347	0.610608456	0.541458823	0.998252924
chr20:35693826-35696589	exonic	RBL1	20	35693826	35696589	2	3	3	0	0	2	2763	1.989045577	1.478832918	2.055836781	0.719333817	0.471935265	0.998252924
chr12:129293332-129299615	exonic	SLC15A4	12	129293332	129299615	8	0	0	2	1	0	6283	1.365545734	1.480529707	2.516696757	0.588282916	NA	NA
chr18:46798547-46906128	exonic	DYM	18	46798547	46906128	0	1	3	2	0	0	107581	0.978705646	1.484126722	2.823858947	0.525566875	0.599189177	0.998252924
chr9:125617462-125618157	exonic	RC3H2	9	125617462	125618157	0	1	3	2	0	0	695	0.978705646	1.484126722	2.823858947	0.525566875	0.599189177	0.998252924
chr11:34952950-34999729	exonic	PDHX	11	34952950	34999729	0	2	5	4	0	0	46779	1.760142266	1.485248042	2.29555406	0.647010701	0.517625018	0.998252924
chr5:63621012-63626233	exonic	RNF180	5	63621012	63626233	7	2	2	5	0	0	5221	2.177555174	1.487837252	1.923019824	0.773698343	NA	NA
chrX:53588716-53589890	exonic	HUWE1	X	53588716	53589890	7	2	2	5	0	0	1174	2.177555174	1.487837252	1.923019824	0.773698343	NA	NA
chr11:107916996-107925682	exonic	CUL5	11	107916996	107925682	4	2	3	1	3	0	8686	1.925700096	1.48921402	1.865484774	0.798298673	0.424697188	0.998252924
chr20:33804551-33805864	intergenic	PROCR (dist=39386), MMP24 (dist=8675)	20	33804551	33805864	2	0	4	3	0	0	1313	1.365984143	1.489927548	2.4837144	0.599878773	0.54858703	0.998252924
chr1:29362337-29365938	exonic	EPB41	1	29362337	29365938	6	5	2	5	1	0	3601	2.692423051	1.490105397	1.647154413	0.904654345	NA	NA
chr11:36248634-36248980	exonic	LDLRAD3	11	36248634	36248980	14	5	5	9	0	1	346	4.928562397	1.493442474	1.368107549	1.091611894	NA	NA
chrX:10031484-10047844	exonic	WWC3	X	10031484	10047844	0	4	2	2	1	0	16360	1.425291439	1.493775705	2.282520869	0.654441204	0.512827596	0.998252924
chr5:16685079-16685429	intronic	MYO10	5	16685079	16685429	0	7	5	0	6	0	350	2.932440252	1.495674364	1.940190653	0.770890408	NA	NA
chr1:59787207-59812070	exonic	FGGY	1	59787207	59812070	13	11	0	10	1	0	24863	4.778005319	1.496844487	1.551654034	0.964676696	NA	NA
chr1:236969443-236979843	exonic	MTR	1	236969443	236979843	3	7	2	6	0	0	10400	2.639297784	1.496956883	1.808141101	0.827898266	NA	NA
chr2:239090705-239093928	exonic	ILKAP	2	239090705	239093928	10	12	11	10	6	0	3223	7.34041668	1.497596353	1.107737113	1.351942022	0.176393863	0.998252924
chr1:21295966-21329301	exonic	EIF4G3	1	21295966	21329301	5	2	2	3	1	0	33335	1.82798594	1.498777887	1.903251767	0.787482725	0.430999337	0.998252924
chrX:10534927-10535643	exonic	MIDI1	X	10534927	10535643	3	1	1	2	0	0	716	0.971128423	1.503857245	2.598974372	0.578634888	0.562835559	0.998252924
chr1:78267015-78280916	exonic	FAM73A	1	78267015	78280916	10	11	3	4	1	3	13901	5.269639083	1.504740735	1.251804093	1.202057689	0.229341178	0.998252924
chr1:78268954-78280916	exonic	FAM73A	1	78268954	78280916	10	11	3	4	1	3	11962	5.269639083	1.504740735	1.251804093	1.202057689	0.229341178	0.998252924
chr16:1675973-1691188	exonic	CRAMP1	16	1675973	1691188	4	3	0	3	0	0	15215	1.357709324	1.506644109	2.462513513	0.611831814	NA	NA
chr15:52561949-52575089	exonic	MYO5C	15	52561949	52575089	1	2	0	1	0	0	13140	0.583849926	1.512781699	3.411071976	0.44349158	0.657410208	0.998252924
chr22:41537051-41553412	exonic	EP300	22	41537051	41553412	1	2	0	1	0	0	16361	0.583849926	1.512781699	3.411071976	0.44349158	0.657410208	0.998252924
chr22:22160138-22162135	exonic	MAPK1	22	22160138	22162135	4	5	4	3	3	0	1997	2.858419289	1.515467542	1.564405693	0.968717736	0.332686041	0.998252924
chr1:243480056-243589860	exonic	SDCCAG8	1	243480056	243589860	2	2	4	4	4	0	109804	1.031133316	1.518046422	2.380663639	0.637656827	0.523697095	0.998252924
chr11:32611092-32617593	exonic	EIF3M	11	32611092	32617593	1	1	1	0	1	0	6501	0.621559189	1.519900862	3.09355701	0.491311735	0.623205981	0.998252924
chr14:31398406-31425448	exonic	STRN3	14	31398406	31425448	1	1	1	0	1	0	27042	0.621559189	1.519900862	3.09355701	0.491311735	0.623205981	0.998252924

chr3:56700287-56707753	exonic	FAM208A	3	56700287	56707753	4	0	5	0	4	0	7466	1.986402586	1.521674923	2.178240723	0.698579779	0.484814684	0.998252924
chr9:134518625-134526336	exonic	RAPGEF1	9	134518625	134526336	0	5	1	3	0	0	7711	1.387582176	1.522492907	2.505844572	0.607576753	0.543468223	0.998252924
chr4:83795763-83802075	exonic	SEC31A	4	83795763	83802075	0	5	3	2	2	0	6312	1.917863686	1.527352172	2.038735081	0.749166572	0.453756814	0.998252924
chr15:63506188-63506585	intronic	RAB8B	15	63506188	63506585	2	5	3	5	0	0	397	2.252716883	1.527504968	1.902927275	0.802713266	NA	NA
chr2:36623756-36691798	exonic	CRIM1	2	36623756	36691798	8	2	0	3	1	0	68042	1.820408718	1.530199133	2.084676119	0.734022479	0.462935038	0.998252924
chr14:31404368-31425448	exonic	STRN3	14	31404368	31425448	13	13	1	9	3	0	21080	5.459569401	1.530626999	1.339340019	1.142821821	0.253112577	0.998252924
chr16:70598967-70601439	exonic	SF3B3	16	70598967	70601439	7	0	3	0	4	0	2472	1.978825363	1.530989833	2.178522767	0.702765129	0.482202132	0.998252924
chr1:174241551-174247917	exonic	RABGAP1L	1	174241551	174247917	0	0	4	2	0	0	6366	1.001698872	1.531852302	3.049339422	0.502355458	NA	NA
chr20:30954187-30978970	exonic	ASXL1	20	30954187	30978970	0	0	4	2	0	0	24783	1.001698872	1.531852302	3.049339422	0.502355458	NA	NA
chr1:113124613-113159517	exonic	ST7L	1	113124613	113159517	1	3	1	0	2	0	34904	1.091138209	1.537859879	2.512951997	0.61197344	0.54055533	0.998252924
chr2:48555699-48589846	exonic	FOXN2	2	48555699	48589846	2	0	3	0	2	0	34147	1.091835806	1.538140021	2.687985123	0.572227877	0.567167604	0.998252924
chr12:122812493-122812973	exonic	CLIP1	12	122812493	122812973	3	0	2	2	0	0	480	0.99412165	1.543063978	2.766755174	0.557716126	0.577038244	0.998252924
chr17:3924422-3928412	exonic	ZZEF1	17	3924422	3928412	3	0	2	2	0	0	3990	0.99412165	1.543063978	2.766755174	0.557716126	0.577038244	0.998252924
chr8:109249174-109249590	intronic	EIF3E	8	109249174	109249590	3	0	2	2	0	0	416	0.99412165	1.543063978	2.766755174	0.557716126	0.577038244	0.998252924
chr1:235359345-235377341	exonic	ARID4B	1	235359345	235377341	2	3	0	2	0	0	17996	0.993424053	1.54571972	2.767525372	0.558520524	0.576488994	0.998252924
chr20:23370582-23383709	exonic	NAPB	20	23370582	23383709	2	3	0	2	0	0	13127	0.993424053	1.54571972	2.767525372	0.558520524	0.576488994	0.998252924
chr5:156786012-156788606	exonic	CYFIP2	5	156786012	156788606	2	3	0	2	0	0	2594	0.993424053	1.54571972	2.767525372	0.558520524	0.576488994	0.998252924
chr6:7602855-7606428	exonic	SNRNP48	6	7602855	7606428	2	2	3	0	3	0	3573	1.561414826	1.555496461	2.17603008	0.714832242	NA	NA
chr7:894556-897594	exonic	SUN1	7	894556	897594	2	2	3	0	3	0	3038	1.561414826	1.555496461	2.17603008	0.714832242	NA	NA
chr1:227192694-227204751	exonic	CDC42BPA	1	227192694	227204751	9	0	5	4	2	0	12057	2.814527997	1.555780411	1.760990928	0.883468726	NA	NA
chr3:170906490-170912424	exonic	TNIK	3	170906490	170912424	13	3	9	7	4	0	5934	5.203368266	1.557078626	1.278667317	1.217735532	0.22332449	0.998252924
chr4:20493383-20525800	exonic	SLIT2	4	20493383	20525800	6	0	0	2	0	0	32417	0.986544427	1.564179002	3.045262019	0.513643487	NA	NA
chr4:20493383-20530722	exonic	SLIT2	4	20493383	20530722	6	0	0	2	0	0	37339	0.986544427	1.564179002	3.045262019	0.513643487	NA	NA
chrX:322140-323067	exonic	PPP2R3B	X	322140	323067	0	5	5	3	2	0	927	2.418713122	1.567502939	1.875186616	0.835918369	NA	NA
chr16:30495147-30500707	exonic	ITGAL	16	30495147	30500707	1	1	1	1	0	0	5560	0.606843153	1.568289921	3.12055967	0.502566875	0.615268823	0.998252924
chr17:53108528-53158544	exonic	STXBP4	17	53108528	53158544	1	1	1	1	0	0	50016	0.606843153	1.568289921	3.12055967	0.502566875	0.615268823	0.998252924
chr18:29493331-29497630	exonic	TRAPPC8	18	29493331	29497630	1	1	1	1	0	0	4299	0.606843153	1.568289921	3.12055967	0.502566875	0.615268823	0.998252924
chr3:100013930-100016889	exonic	TBC1D23	3	100013930	100016889	1	1	1	1	0	0	2959	0.606843153	1.568289921	3.12055967	0.502566875	0.615268823	0.998252924
chr7:56049902-56062681	exonic	GBAS	7	56049902	56062681	1	1	1	1	0	0	12779	0.606843153	1.568289921	3.12055967	0.502566875	0.615268823	0.998252924
chr18:9208654-9221997	exonic	ANKRD12	18	9208654	9221997	13	5	8	12	0	0	13343	5.402098078	1.568690976	1.424724961	1.101048285	NA	NA
chr7:30661008-30662078	exonic	GARS	7	30661008	30662078	6	5	1	3	2	0	1070	2.403558677	1.570090109	1.719639343	0.913034535	0.361224378	0.998252924
chr6:24416624-24418806	exonic	MRS2	6	24416624	24418806	0	3	3	3	0	0	2182	1.433568629	1.571898119	2.44277943	0.643487537	NA	NA
chr10:121275020-121286936	exonic	RGS10	10	121275020	121286936	1	0	2	0	1	0	11916	0.644552416	1.574247987	3.294560907	0.477832413	0.632769489	0.998252924
chr11:3789810-3797251	exonic	NUP98	11	3789810	3797251	1	0	2	0	1	0	7441	0.644552416	1.574247987	3.294560907	0.477832413	0.632769489	0.998252924
chr2:48734407-48738607	exonic	PPP1R21	2	48734407	48738607	1	0	2	0	1	0	4200	0.644552416	1.574247987	3.294560907	0.477832413	0.632769489	0.998252924

chr10:5836847-5842668	exonic	GDI2	10	5836847	5842668	5	6	13	0	11	0	5821	5.58638848	1.574641327	1.454209692	1.082815866	NA	NA
chr5:77805606-77806221	exonic	LHFPL2	5	77805606	77806221	2	2	1	2	0	0	615	1.01641728	1.575298733	2.545096225	0.618954489	0.535946341	0.998252924
chr1:174241551-174274265	exonic	RABGAP1L	1	174241551	174274265	6	3	1	2	2	0	32714	1.948695693	1.575968933	1.864505697	0.845247583	0.397972621	0.998252924
chr2:233612324-233626146	exonic	GIGYF2	2	233612324	233626146	2	5	2	2	2	0	13822	1.978568546	1.578063699	1.850910592	0.852587751	0.393887958	0.998252924
chr1:21083658-21106404	exonic	HP1BP3	1	21083658	21106404	0	3	0	0	1	0	22746	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr1:220287655-220313631	exonic	IARS2	1	220287655	220313631	0	3	0	0	1	0	25976	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr1:220287655-220315290	exonic	IARS2	1	220287655	220315290	0	3	0	0	1	0	27635	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr1:223305816-223310605	UTR5	TLR5(NM_003268:c.-23799_-24232delins0)	1	223305816	223310605	0	3	0	0	1	0	4789	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr1:61848908-61872399	exonic	NFIA	1	61848908	61872399	0	3	0	0	1	0	23491	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr11:46829580-46842819	exonic	CKAP5	11	46829580	46842819	0	3	0	0	1	0	13239	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr12:133362924-133367879	exonic	GOLGA3	12	133362924	133367879	0	3	0	0	1	0	4955	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr14:50647289-50655418	exonic	SOS2	14	50647289	50655418	0	3	0	0	1	0	8129	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr14:93275644-93282766	exonic	GOLGA5	14	93275644	93282766	0	3	0	2	1	0	7122	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr15:22835915-22846952	exonic	TUBGCP5	15	22835915	22846952	0	3	0	0	1	0	11037	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr15:55516086-55522684	exonic	RAB27A	15	55516086	55522684	0	3	0	0	1	0	6598	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr17:79534442-79539114	exonic	NPLOC4	17	79534442	79539114	0	3	0	0	1	0	4672	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr19:38609945-38610522	exonic	SIPA1L3	19	38609945	38610522	0	3	0	0	1	0	577	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr3:138244331-138251412	exonic	CEP70	3	138244331	138251412	0	3	0	0	1	0	7081	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr4:119649715-119666215	exonic	SEC24D	4	119649715	119666215	0	3	0	0	1	0	16500	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr4:55146482-55156721	exonic	PDGFRA	4	55146482	55156721	0	3	0	0	1	0	10239	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr6:145069381-145079125	exonic	UTRN	6	145069381	145079125	0	3	0	0	1	0	9744	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr6:47471015-47522502	exonic	CD2AP	6	47471015	47522502	0	3	0	0	1	0	51487	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chrX:123155216-123164975	exonic	STAG2	X	123155216	123164975	0	3	0	0	1	0	9759	0.643854819	1.578129478	3.593881266	0.439115642	NA	NA
chr1:220287655-220312481	exonic	IARS2	1	220287655	220312481	0	3	0	0	0	1	24826	0.831046006	1.578499278	3.324197208	0.474851273	NA	NA
chr17:29527439-29541603	exonic	NF1	17	29527439	29541603	0	3	0	0	0	1	14164	0.831046006	1.578499278	3.324197208	0.474851273	NA	NA
chr2:242572331-242573494	exonic	THAP4	2	242572331	242573494	0	3	0	0	0	1	1163	0.831046006	1.578499278	3.324197208	0.474851273	NA	NA
chr7:101559394-101758553	exonic	CUX1	7	101559394	101758553	0	3	0	0	0	1	199159	0.831046006	1.578499278	3.324197208	0.474851273	NA	NA
chr7:23292925-23313233	exonic	GNPMB	7	23292925	23313233	0	3	0	0	0	1	20308	0.831046006	1.578499278	3.324197208	0.474851273	NA	NA
chr7:23381682-23391205	exonic	IGF2BP3	7	23381682	23391205	0	3	0	0	0	1	9523	0.831046006	1.578499278	3.324197208	0.474851273	NA	NA
chr4:15626874-15646331	exonic	FBXL5	4	15626874	15646331	4	2	3	0	0	2	19457	2.072743663	1.585440106	2.020277687	0.784763459	0.432592268	0.998252924
chr1:94032835-94033408	exonic	BCAR3	1	94032835	94033408	4	3	2	4	0	0	573	1.85855876	1.586471199	2.02376365	0.783921185	NA	NA
chr2:61709514-61717911	exonic	XPO1	2	61709514	61717911	2	0	3	1	1	0	8397	1.077119769	1.587729045	2.52269776	0.629377435	0.529101987	0.998252924
chr1:21377358-21437876	UTR5	-----	1	21377358	21437876	5	0	6	4	1	0	60518	2.374821829	1.589695293	1.899177224	0.837044206	0.40256772	0.998252924
chr1:35846859-35855699	exonic	ZMYM4	1	35846859	35855699	2	7	2	1	1	0	8840	2.546561689	1.590587851	1.696613337	0.937507573	NA	NA
chr9:99271954-99327765	exonic	CDC14B	9	99271954	99327765	0	6	0	1	0	1	55811	1.460184788	1.591081652	2.52753227	0.629500035	NA	NA

chr18:42281139-42449248	exonic	SETBP1	18	42281139	42449248	0	9	1	5	0	0	168109	2.297308143	1.591663456	2.148618994	0.740784411	NA	NA
chr3:130881251-130889731	exonic	NEK11	3	130881251	130889731	4	2	0	0	2	0	8480	1.106554213	1.593482168	2.66154041	0.598706735	0.549368466	0.998252924
chr1:52975267-52992045	exonic	ZCCHC11	1	52975267	52992045	6	5	3	2	2	1	16778	3.000003951	1.594268167	1.486356928	1.072601161	0.283450104	0.998252924
chr15:85656607-85669605	exonic	PDE8A	15	85656607	85669605	3	9	3	5	0	1	12998	3.387025631	1.594401147	1.568992292	1.016194379	NA	NA
chr9:86294689-86301070	exonic	UBQLN1	9	86294689	86301070	7	2	3	4	1	0	6381	2.389540237	1.596100548	1.727542244	0.923914048	0.355531068	0.998252924
chrX:24190831-24197887	exonic	ZFX	X	24190831	24197887	8	9	3	9	0	0	7056	4.148987277	1.601422409	1.543852386	1.03728985	NA	NA
chr12:117383168-117402659	exonic	FBXW8	12	117383168	117402659	4	0	0	0	1	0	19491	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr13:111870025-111896641	exonic	ARHGEF7	13	111870025	111896641	4	0	0	0	1	0	26616	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr13:25058790-25075972	exonic	PARP4	13	25058790	25075972	4	0	0	0	1	0	17182	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr13:50025688-50035298	exonic	SETDB2	13	50025688	50035298	4	0	0	0	1	0	9610	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr14:70170111-70171459	exonic	SUSD6	14	70170111	70171459	4	0	0	0	1	0	1348	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr15:77020935-77025725	exonic	SCAPER	15	77020935	77025725	4	0	0	0	1	0	4790	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr16:68155889-68208417	exonic	NFATC3	16	68155889	68208417	4	0	0	0	1	0	52528	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr19:19636990-19638579	exonic	NDUFA13	19	19636990	19638579	4	0	0	0	1	0	1589	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr2:10931920-10933328	exonic	PDIA6	2	10931920	10933328	4	0	0	0	1	0	1408	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr5:179994242-179994818	exonic	CNOT6	5	179994242	179994818	4	0	0	0	1	0	576	0.636975193	1.601617532	3.594273346	0.445602596	NA	NA
chr1:16528276-16529069	exonic	ARHGEF19	1	16528276	16529069	21	5	3	4	7	0	793	5.444349364	1.607355132	1.292279275	1.243814061	0.213568004	0.998252924
chr19:45783631-45783992	exonic	MARK4	19	45783631	45783992	2	1	2	2	0	0	361	1.039410506	1.608505856	2.528923917	0.636043593	0.524748009	0.998252924
chr1:40733457-40737707	exonic	ZMPSTE24	1	40733457	40737707	4	0	0	0	0	1	4250	0.82416638	1.60975724	3.319543938	0.484933253	NA	NA
chr2:196821984-196852953	exonic	DNAH7	2	196821984	196852953	4	0	0	0	0	1	30969	0.82416638	1.60975724	3.319543938	0.484933253	NA	NA
chr4:40108519-40119644	exonic	N4BP2	4	40108519	40119644	4	0	0	0	0	1	11125	0.82416638	1.60975724	3.319543938	0.484933253	NA	NA
chr15:43627893-43641243	exonic	ADAL	15	43627893	43641243	1	4	0	2	0	0	13350	1.038712909	1.618269423	2.758562986	0.586634937	NA	NA
chr1:67411832-67425426	exonic	MIER1	1	67411832	67425426	2	2	3	2	1	0	13594	1.531982752	1.619977733	2.045952016	0.791796543	0.428479318	0.998252924
chr12:46622935-46648719	exonic	SLC38A1	12	46622935	46648719	3	1	3	3	0	0	25784	1.471977859	1.62339413	2.23043409	0.72783775	0.466712913	0.998252924
chr15:66044716-66053776	exonic	DENND4A	15	66044716	66053776	5	0	3	0	3	0	9060	1.599824056	1.624723411	2.341721044	0.69381595	NA	NA
chr1:243456392-243507633	exonic	SDCCAG8	1	243456392	243507633	1	0	2	1	0	0	51241	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chr1:35854510-35855699	exonic	ZMYM4	1	35854510	35855699	1	0	2	1	0	0	1189	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chr10:69714351-69726559	exonic	HERC4	10	69714351	69726559	1	0	2	1	0	0	12208	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chr3:152173366-152173851	exonic	MBNL1	3	152173366	152173851	1	0	2	1	0	0	485	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chr8:43013717-43028886	exonic	HGSNAT	8	43013717	43028886	1	0	2	1	0	0	15169	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chr9:140646782-140657272	exonic	EHMT1	9	140646782	140657272	1	0	2	1	0	0	10490	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chrX:19947902-19954016	exonic	CXorf23	X	19947902	19954016	1	0	2	1	0	0	6114	0.629836379	1.625022561	3.323683515	0.488922172	0.624896798	0.998252924
chr21:38459546-38480746	exonic	TTC3	21	38459546	38480746	4	1	1	0	2	0	21200	1.129547439	1.625875521	2.472928947	0.657469566	0.510879034	0.998252924
chr9:6980924-6990524	exonic	KDM4C	9	6980924	6990524	4	1	1	0	2	0	9600	1.129547439	1.625875521	2.472928947	0.657469566	0.510879034	0.998252924
chr11:9735012-9754257	exonic	SWAP70	11	9735012	9754257	2	4	1	3	0	0	19245	1.471280263	1.626032079	2.239300146	0.726134048	NA	NA

chr19:34921480-34955036	exonic	UBA2	19	34921480	34955036	2	4	1	3	0	0	33556	1.471280263	1.626032079	2.239300146	0.726134048	NA	NA
chr19:34924252-34957919	exonic	UBA2	19	34924252	34957919	2	4	1	3	0	0	33667	1.471280263	1.626032079	2.239300146	0.726134048	NA	NA
chr2:197777606-197786910	exonic	PGAP1	2	197777606	197786910	3	7	0	0	4	0	9304	2.091001109	1.62633325	2.150581371	0.756229233	0.449511769	0.998252924
chr11:93480462-93490631	exonic	C11orf54	11	93480462	93490631	0	2	1	0	0	1	10169	0.854039232	1.630617968	3.040504795	0.536298437	NA	NA
chr16:21030945-21053525	exonic	DNAH3	16	21030945	21053525	0	2	1	0	0	1	22580	0.854039232	1.630617968	3.040504795	0.536298437	NA	NA
chr5:32268806-32276848	exonic	MTMR12	5	32268806	32276848	0	2	1	0	0	1	8042	0.854039232	1.630617968	3.040504795	0.536298437	NA	NA
chr10:4872866-4889491	exonic	AKR1E2	10	4872866	4889491	0	3	0	1	0	0	16625	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr10:93751875-93768032	exonic	BTAF1	10	93751875	93768032	2	4	0	1	7	0	16157	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr11:18524032-18541150	exonic	TSG101	11	18524032	18541150	0	3	0	1	0	0	17118	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr12:124911167-124979914	exonic	NCOR2	12	124911167	124979914	0	4	0	1	0	0	68747	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr12:32772631-32786623	exonic	FGD4	12	32772631	32786623	0	3	0	1	0	0	13992	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr14:55168779-55218255	exonic	SAMD4A	14	55168779	55218255	0	3	0	1	0	0	49476	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr16:49764681-49823457	exonic	ZNF423	16	49764681	49823457	0	3	0	1	0	0	58776	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr17:43159011-43164020	exonic	NMT1	17	43159011	43164020	0	3	0	1	0	0	5009	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr19:12825634-12826553	exonic	TNPO2	19	12825634	12826553	0	3	0	1	0	0	919	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr2:191792031-191818352	exonic	GLS	2	191792031	191818352	0	3	0	1	0	0	26321	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr2:191792031-191819386	exonic	GLS	2	191792031	191819386	0	3	0	1	0	0	27355	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr2:43797526-43802166	exonic	THADA	2	43797526	43802166	0	3	0	1	0	0	4640	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr22:31998197-31998771	exonic	SF11	22	31998197	31998771	0	3	0	1	0	0	574	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr3:11849306-11871338	exonic	TAMM41	3	11849306	11871338	0	3	0	1	0	0	22032	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr5:170305100-170319557	exonic	RANBP17	5	170305100	170319557	0	3	0	1	0	0	14457	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr5:70797388-70806978	exonic	BDP1	5	70797388	70806978	3	0	0	5	9	0	9590	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr5:70811887-70849147	exonic	BDP1	5	70811887	70849147	0	3	0	1	0	0	37260	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr6:86252899-86275137	exonic	SNX14	6	86252899	86275137	0	3	0	1	0	0	22238	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr8:141710989-141712806	exonic	PTK2	8	141710989	141712806	0	3	0	1	0	0	1817	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr8:62546241-62596747	exonic	ASPH	8	62546241	62596747	0	3	0	1	0	0	50506	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chrX:83723479-83730405	exonic	HDX	X	83723479	83730405	0	3	0	1	0	0	6926	0.629138782	1.631474987	3.626753329	0.449844486	NA	NA
chr4:37633006-37636745	exonic	RELL1	4	37633006	37636745	0	5	0	1	1	0	3739	1.098717802	1.631670968	2.743379877	0.59476669	NA	NA
chr14:92469762-92477416	exonic	TRIP11	14	92469762	92477416	0	2	1	0	1	0	7654	0.666848045	1.631827011	3.257312751	0.50097339	0.616389851	0.998252924
chr4:3317796-3344780	exonic	RGS12	4	3317796	3344780	0	7	0	1	2	0	26984	1.568296822	1.634724729	2.432122352	0.672139182	NA	NA
chr1:93159358-93170301	exonic	EVI5	1	93159358	93170301	4	4	0	1	2	0	10943	1.561417196	1.635429543	2.187634322	0.747579029	0.454714118	0.998252924
chr1:33760537-33760906	exonic	ZNF362	1	33760537	33760906	5	1	0	2	0	0	369	1.031833283	1.635949865	2.752574019	0.594334559	0.552288369	0.998252924
chr15:57743697-57754090	exonic	CGNL1	15	57743697	57754090	13	3	0	5	1	0	10393	2.852242001	1.637543151	1.805063742	0.907194085	0.364304171	0.998252924
chr16:69189773-69201088	exonic	UTP4	16	69189773	69201088	1	0	4	0	2	0	11315	1.160117888	1.638488434	2.668875366	0.613924672	NA	NA
chr5:93978977-93990457	exonic	SLF1	5	93978977	93990457	0	4	4	4	0	0	11480	1.911424839	1.638520509	2.218994992	0.738406583	NA	NA

chr19:3660963-3661999	exonic	PIP5K1C	19	3660963	3661999	3	8	3	3	3	0	1036	3.054990718	1.639626111	1.560395421	1.050776033	0.293361466	0.998252924
chr20:43600718-43615937	exonic	STK4	20	43600718	43615937	0	3	2	0	2	0	15219	1.159420292	1.639953886	2.641067668	0.620943532	0.534636777	0.998252924
chr7:91842508-91855996	exonic	KRIT1	7	91842508	91855996	4	2	2	0	3	0	13488	1.622119686	1.640642285	2.137457159	0.76756733	NA	NA
chr1:10527246-10529395	exonic	DFFA	1	10527246	10529395	2	0	0	0	0	0	2149	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:109154799-109172279	exonic	FAM102B	1	109154799	109172279	2	0	0	0	0	0	17480	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:109486096-109493070	exonic	CLCC1	1	109486096	109493070	2	0	0	0	0	0	6974	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:109869613-109888503	exonic	SORT1	1	109869613	109888503	2	0	0	0	0	0	18890	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:113124614-113125094	exonic	ST7L	1	113124614	113125094	2	0	0	0	0	0	480	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:115153693-115164686	exonic	DENND2C	1	115153693	115164686	2	0	0	0	0	0	10993	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:1192371-1192690	exonic	UBE2J2	1	1192371	1192690	2	0	0	0	0	0	319	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:12422775-12476880	exonic	VPS13D	1	12422775	12476880	2	0	0	0	0	0	54105	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:1338417-1338718	intronic	MRPL20	1	1338417	1338718	2	0	0	0	0	0	301	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:144892500-144922047	exonic	PDE4DIP	1	144892500	144922047	2	0	0	0	0	0	29547	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:145640883-145650540	exonic	RNF115	1	145640883	145650540	2	0	0	0	0	0	9657	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:151091361-151092136	downstream	GABPB2 (dist=354)	1	151091361	151092136	2	0	0	0	0	0	775	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:155328402-155329177	intronic	ASH1L	1	155328402	155329177	2	0	0	0	0	0	775	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:155633453-155634655	intronic	YY1AP1	1	155633453	155634655	2	0	0	0	0	0	1202	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:155837755-155838582	exonic	SYT11	1	155837755	155838582	2	0	0	0	0	0	827	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:156303338-156304709	exonic	CCT3	1	156303338	156304709	2	0	0	0	0	0	1371	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:1572443-1635434	exonic	CDK11A, CDK11B, SLC35E2B	1	1572443	1635434	2	0	0	0	0	0	62991	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:160287144-160302347	exonic	COPA	1	160287144	160302347	2	0	0	0	0	0	15203	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:162574851-162576088	intergenic	UAP1 (dist=5218), DDR2 (dist=26140)	1	162574851	162576088	2	0	0	0	0	0	1237	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:16664677-16666925	intronic	FBXO42	1	16664677	16666925	2	0	0	0	0	0	2248	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:170927601-170931117	exonic	MROH9	1	170927601	170931117	2	0	0	0	0	0	3516	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:173831778-173832321	upstream;downstream	GASS-AS1 (dist=65), GASS, SNORD81 (dist=65)	1	173831778	173832321	2	0	0	0	0	0	543	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:176132004-176153828	exonic	RFWD2	1	176132004	176153828	2	0	0	0	0	0	21824	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:183080453-183080934	intronic	LAMC1	1	183080453	183080934	2	0	0	0	0	0	481	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:185149522-185173995	exonic	SWT1	1	185149522	185173995	2	0	0	0	0	0	24473	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:186030982-186044023	exonic	HMCN1	1	186030982	186044023	2	0	0	0	0	0	13041	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:186375215-186375400	exonic	Clorf27	1	186375215	186375400	2	0	0	0	0	0	185	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:186862142-186902031	exonic	PLA2G4A	1	186862142	186902031	2	0	0	0	0	0	39889	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:190195211-190250880	exonic	BRINP3	1	190195211	190250880	2	0	0	0	0	0	55669	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:192997214-192998787	exonic	UCHL5	1	192997214	192998787	2	0	0	0	0	0	1573	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:19483260-19486775	exonic	UBR4	1	19483260	19486775	2	0	0	0	0	0	3515	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:20008653-20009937	exonic	TMCO4	1	20008653	20009937	2	0	0	0	0	0	1284	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr1:20063864-20113610	exonic	TMCO4	1	20063864	20113610	2	0	0	0	0	0	49746	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:20125863-20126347	splicing	TMCO4	1	20125863	20126347	2	0	0	0	0	0	484	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:201962633-201963889	intronic	RNPEP	1	201962633	201963889	2	0	0	0	0	0	1256	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:202418116-202465950	exonic	PPP1R12B	1	202418116	202465950	2	0	0	0	0	0	47834	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:203682292-203691817	exonic	ATP2B4	1	203682292	203691817	2	0	0	0	0	0	9525	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:203786053-203802981	exonic	ZC3H11A	1	203786053	203802981	2	0	0	0	0	0	16928	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:203797426-203816815	exonic	ZC3H11A	1	203797426	203816815	2	0	0	0	0	0	19389	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:205085865-205086289	intronic	RBBP5	1	205085865	205086289	2	0	0	0	0	0	424	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:205563675-205566630	intronic	MFSD4	1	205563675	205566630	2	0	0	0	0	0	2955	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:205740600-205742352	exonic	RAB29	1	205740600	205742352	2	0	0	0	0	0	1752	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:212976042-212977993	exonic	TATDN3	1	212976042	212977993	2	0	0	0	0	0	1951	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:21923066-21923522	UTR3	-----	1	21923066	21923522	2	0	0	0	0	0	456	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:220170324-220180680	exonic	EPRS	1	220170324	220180680	2	0	0	0	0	0	10356	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:223900439-223940578	exonic	CAPN2	1	223900439	223940578	2	0	0	0	0	0	40139	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:225211316-225273491	exonic	DNAH14	1	225211316	225273491	2	0	0	0	0	0	62175	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:225266909-225311316	exonic	DNAH14	1	225266909	225311316	2	0	0	0	0	0	44407	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:225283866-225311316	exonic	DNAH14	1	225283866	225311316	2	0	0	0	0	0	27450	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:227216357-227223308	exonic	CDC42BPA	1	227216357	227223308	2	0	0	0	0	0	6951	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:230804421-230810870	exonic	COG2	1	230804421	230810870	2	0	0	0	0	0	6449	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:231954075-231954896	exonic	DISC1	1	231954075	231954896	2	0	0	0	0	0	821	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:232596632-232615476	exonic	SIPA1L2	1	232596632	232615476	2	0	0	0	0	0	18844	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:232596632-232619712	exonic	SIPA1L2	1	232596632	232619712	2	0	0	0	0	0	23080	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:233393773-233398909	exonic	PCNXL2	1	233393773	233398909	2	0	0	0	0	0	5136	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:235386480-235420540	exonic	ARID4B	1	235386480	235420540	2	0	0	0	0	0	34060	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:235392545-235424067	exonic	ARID4B	1	235392545	235424067	2	0	0	0	0	0	31522	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:235944164-235956912	exonic	LYST	1	235944164	235956912	2	0	0	0	0	0	12748	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:237550580-237551483	exonic	RYR2	1	237550580	237551483	2	0	0	0	0	0	903	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:243349081-243388623	exonic	CEP170	1	243349081	243388623	2	0	0	0	0	0	39542	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:244582061-244583598	exonic	ADSS	1	244582061	244583598	2	0	0	0	0	0	1537	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:247318868-247323169	exonic	ZNF124	1	247318868	247323169	2	0	0	0	0	0	4301	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:28893805-28898412	exonic	TRNAU1AP	1	28893805	28898412	2	0	0	0	0	0	4607	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:29485886-29493424	exonic	SRSF4	1	29485886	29493424	2	0	0	0	0	0	7538	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:31528160-31532424	exonic	PUM1	1	31528160	31532424	2	0	0	0	0	0	4264	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:39898206-39905172	exonic	MACF1	1	39898206	39905172	2	0	0	0	0	0	6966	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:42693553-42776781	exonic	FOXJ3	1	42693553	42776781	2	0	0	0	0	0	83228	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr1:42946132-42948487	intergenic	PPCS(dist=7083),CCDC30(dist=52073)	1	42946132	42948487	2	0	0	0	0	0	2355	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:44134770-44137546	exonic	KDM4A	1	44134770	44137546	2	0	0	0	0	0	2776	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:46812592-46818700	exonic	NSUN4	1	46812592	46818700	2	0	0	0	0	0	6108	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:47838626-47840965	exonic	CMPK1	1	47838626	47840965	2	0	0	0	0	0	2339	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:51253671-51267349	exonic	FAF1	1	51253671	51267349	2	0	0	0	0	0	13678	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:51842259-51858991	intronic	EPS15	1	51842259	51858991	2	0	0	0	0	0	16732	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:51860052-51875368	exonic	EPS15	1	51860052	51875368	2	0	0	0	0	0	15316	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:52902426-52927441	exonic	ZCCHC11	1	52902426	52927441	2	0	0	0	0	0	25015	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:53245524-53267811	exonic	ZYG11B	1	53245524	53267811	2	0	0	0	0	0	22287	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:53440440-53504718	exonic	SCP2	1	53440440	53504718	2	0	0	0	0	0	64278	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:54266365-54272190	exonic	NDC1	1	54266365	54272190	2	0	0	0	0	0	5825	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:59137541-59155921	exonic	MYSM1	1	59137541	59155921	2	0	0	0	0	0	18380	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:62519299-62526948	intronic	INADL	1	62519299	62526948	2	0	0	0	0	0	7649	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:6504742-6505692	exonic	ESPN	1	6504742	6505692	2	0	0	0	0	0	950	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:65131739-65141666	exonic	CACHD1	1	65131739	65141666	2	0	0	0	0	0	9927	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:65139030-65141244	exonic	CACHD1	1	65139030	65141244	2	0	0	0	0	0	2214	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:65243305-65280523	exonic	RAVER2	1	65243305	65280523	2	0	0	0	0	0	37218	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:67292502-67301460	exonic	WDR78	1	67292502	67301460	2	0	0	0	0	0	8958	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:67327829-67371058	exonic	WDR78	1	67327829	67371058	2	0	0	0	0	0	43229	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:6867043-6948959	exonic	CAMTA1	1	6867043	6948959	2	0	0	0	0	0	81916	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:70736538-70742527	exonic	ANKRD13C	1	70736538	70742527	2	0	0	0	0	0	5989	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:78183552-78184326	exonic	USP33	1	78183552	78184326	2	0	0	0	0	0	774	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:86196191-86252144	exonic	COL24A1	1	86196191	86252144	2	0	0	0	0	0	55953	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:86241356-86252144	exonic	COL24A1	1	86241356	86252144	2	0	0	0	0	0	10788	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:92348869-92349618	intronic	TGFBR3	1	92348869	92349618	2	0	0	0	0	0	749	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:9327157-9328028	UTR3	<small>RP196-04291, CC219-030881, M, RP192297, CC221-010861, CC221</small>	1	9327157	9328028	2	0	0	0	0	0	871	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:93739031-93791452	exonic	CCDC18	1	93739031	93791452	2	0	0	0	0	0	52421	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr1:9770163-9770654	exonic	PIK3CD	1	9770163	9770654	2	0	0	0	0	0	491	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:101915901-101935827	exonic	ERLIN1	10	101915901	101935827	2	0	0	0	0	0	19926	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:103734968-103799882	exonic	C10orf76	10	103734968	103799882	2	0	0	0	0	0	64914	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:111883774-111892158	exonic	ADD3	10	111883774	111892158	2	0	0	0	0	0	8384	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:1123846-1142186	exonic	WDR37	10	1123846	1142186	2	0	0	0	0	0	18340	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:112723882-112724819	exonic	SHOC2	10	112723882	112724819	2	0	0	0	0	0	937	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:12123470-12129728	exonic	DHTKD1	10	12123470	12129728	2	0	0	0	0	0	6258	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:127437980-127442414	exonic	EDRF1	10	127437980	127442414	2	0	0	0	0	0	4434	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr10:131958010-131973353	exonic	GLRX3	10	131958010	131973353	2	0	0	0	0	0	15343	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:13214375-13214765	exonic	MCM10	10	13214375	13214765	2	0	0	0	0	0	390	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:13330359-13337606	exonic	PHYH	10	13330359	13337606	2	0	0	0	0	0	7247	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:134503895-134540409	exonic	INPP5A	10	134503895	134540409	2	0	0	0	0	0	36514	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:17024482-17026278	exonic	CUBN	10	17024482	17026278	2	0	0	0	0	0	1796	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:18145170-18152611	exonic	MRC1	10	18145170	18152611	2	0	0	0	0	0	7441	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:225933-283617	exonic	ZMYND11	10	225933	283617	2	0	0	0	0	0	57684	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:24918924-24959326	exonic	ARHGAP21	10	24918924	24959326	2	0	0	0	0	0	40402	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:27423760-27425314	exonic	YME1L1	10	27423760	27425314	2	0	0	0	0	0	1554	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:27456030-27470510	exonic	MASTL	10	27456030	27470510	2	0	0	0	0	0	14480	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:27462049-27470510	exonic	MASTL	10	27462049	27470510	2	0	0	0	0	0	8461	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:28196591-28233891	exonic	ARMC4	10	28196591	28233891	2	0	0	0	0	0	37300	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:28223938-28229734	exonic	ARMC4	10	28223938	28229734	2	0	0	0	0	0	5796	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:28434075-28441989	exonic	MPP7	10	28434075	28441989	2	0	0	0	0	0	7914	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:28861648-28863171	intronic	WAC	10	28861648	28863171	2	0	0	0	0	0	1523	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:32158388-32159268	intronic	ARHGAP12	10	32158388	32159268	2	0	0	0	0	0	880	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:32573626-32582665	exonic	EPC1	10	32573626	32582665	2	0	0	0	0	0	9039	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:33474669-33475144	splicing	NRP1	10	33474669	33475144	2	0	0	0	0	0	475	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:34606034-34649187	exonic	PARD3	10	34606034	34649187	2	0	0	0	0	0	43153	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:34663801-34673182	exonic	PARD3	10	34663801	34673182	2	0	0	0	0	0	9381	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:372945-395394	exonic	DIP2C	10	372945	395394	2	0	0	0	0	0	22449	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:38320799-38321769	intronic	ZNF33A	10	38320799	38321769	2	0	0	0	0	0	970	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:49419996-49450395	exonic	FRMPD2	10	49419996	49450395	2	0	0	0	0	0	30399	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:51287080-51309606	ncRNA_exonic	PARGP1	10	51287080	51309606	2	0	0	0	0	0	22526	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:5693675-5694915	exonic	ASB13	10	5693675	5694915	2	0	0	0	0	0	1240	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:70246901-70276600	exonic	SLC25A16	10	70246901	70276600	2	0	0	0	0	0	29699	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:70513608-70517134	exonic	CCAR1	10	70513608	70517134	2	0	0	0	0	0	3526	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:70992519-70992889	exonic	HKDC1	10	70992519	70992889	2	0	0	0	0	0	370	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:71873901-71883853	exonic	AIFM2	10	71873901	71883853	2	0	0	0	0	0	9952	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:71966019-71978573	exonic	PPA1	10	71966019	71978573	2	0	0	0	0	0	12554	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:75775220-75775537	intronic	VCL	10	75775220	75775537	2	0	0	0	0	0	317	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:75830427-75854219	exonic	VCL	10	75830427	75854219	2	0	0	0	0	0	23792	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:76349039-76360251	exonic	ADK	10	76349039	76360251	2	0	0	0	0	0	11212	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:81923808-81926740	exonic	ANXA11	10	81923808	81926740	2	0	0	0	0	0	2932	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:92660326-92663033	exonic	RPP30	10	92660326	92663033	2	0	0	0	0	0	2707	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr10:93608139-93611093	exonic	TNKS2	10	93608139	93611093	2	0	0	0	0	0	2954	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:95123717-95129533	exonic	MYOF	10	95123717	95129533	2	0	0	0	0	0	5816	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr10:99967857-99969656	exonic	R3HCC1L	10	99967857	99969656	2	0	0	0	0	0	1799	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:102056748-102076817	exonic	YAP1	11	102056748	102076817	2	0	0	0	0	0	20069	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:102076623-102080295	exonic	YAP1	11	102076623	102080295	2	0	0	0	0	0	3672	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:103866792-103870965	exonic	PDGFD	11	103866792	103870965	2	0	0	0	0	0	4173	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:108114679-108117854	exonic	ATM	11	108114679	108117854	2	0	0	0	0	0	3175	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:113682997-113700067	exonic	USP28	11	113682997	113700067	2	0	0	0	0	0	17070	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:118367082-118368634	exonic	KMT2A	11	118367082	118368634	2	0	0	0	0	0	1552	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:118638930-118657227	exonic	DDX6	11	118638930	118657227	2	0	0	0	0	0	18297	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:121413808-121451716	exonic	SORL1	11	121413808	121451716	2	0	0	0	0	0	37908	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:122646926-122672040	exonic	UBASH3B	11	122646926	122672040	2	0	0	0	0	0	25114	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:14480077-14498561	exonic	COPB1	11	14480077	14498561	2	0	0	0	0	0	18484	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:21203889-21206935	intronic	NELL1	11	21203889	21206935	2	0	0	0	0	0	3046	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:36514100-36523087	exonic	TRAF6	11	36514100	36523087	2	0	0	0	0	0	8987	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:45986866-46113774	exonic	PHF21A	11	45986866	46113774	2	0	0	0	0	0	126908	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:46817143-46832728	exonic	CKAP5	11	46817143	46832728	2	0	0	0	0	0	15585	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:47758167-47767946	exonic	FNBP4	11	47758167	47767946	2	0	0	0	0	0	9779	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:58379098-58379801	exonic	ZFP91	11	58379098	58379801	2	0	0	0	0	0	703	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:58911168-58912009	UTR5	<small>FAM111A(OM_001312909:c.-5178_-5178delins0)</small>	11	58911168	58912009	2	0	0	0	0	0	841	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:61124001-61125300	exonic	CYB561A3	11	61124001	61125300	2	0	0	0	0	0	1299	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:62620282-62622023	ncRNA_exonic	<small>SNHG1, SNORD22, SNORD29, SNORD30, SNORD31</small>	11	62620282	62622023	2	0	0	0	0	0	1741	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:64116802-64117140	exonic	CCDC88B	11	64116802	64117140	2	0	0	0	0	0	338	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:65314412-65314909	splicing	LTBP3	11	65314412	65314909	2	0	0	0	0	0	497	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:68286968-68363686	exonic	PPP6R3	11	68286968	68363686	2	0	0	0	0	0	76718	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:70212631-70218640	exonic	PPFIA1	11	70212631	70218640	2	0	0	0	0	0	6009	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:70848158-70852320	intronic	SHANK2	11	70848158	70852320	2	0	0	0	0	0	4162	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:71705898-71706492	exonic	RNF121	11	71705898	71706492	2	0	0	0	0	0	594	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:77060283-77070062	exonic	PAK1	11	77060283	77070062	2	0	0	0	0	0	9779	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:77337607-77340548	intronic	CLNS1A	11	77337607	77340548	2	0	0	0	0	0	2941	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:78176921-78189729	exonic	NARS2	11	78176921	78189729	2	0	0	0	0	0	12808	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:78775782-78781054	exonic	TENM4	11	78775782	78781054	2	0	0	0	0	0	5272	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:85960513-85963282	exonic	EED	11	85960513	85963282	2	0	0	0	0	0	2769	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:86778736-86782657	exonic	TMEM135	11	86778736	86782657	2	0	0	0	0	0	3921	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr11:9834078-9838571	exonic	SBF2	11	9834078	9838571	2	0	0	0	0	0	4493	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr12:110771088-110771783	exonic	ATP2A2	12	110771088	110771783	2	0	0	0	0	0	695	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:11126253-11199787	exonic	<small>PHH1, PHH1-TAS2R14, TAS2R15, TAS2R20, TAS2R31, TAS2R50</small>	12	11126253	11199787	2	0	0	0	0	0	73534	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:112213409-112221102	exonic	ALDH2	12	112213409	112221102	2	0	0	0	0	0	7693	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:112696299-112703787	exonic	HECTD4	12	112696299	112703787	2	0	0	0	0	0	7488	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:112915455-112915819	exonic	PTPN11	12	112915455	112915819	2	0	0	0	0	0	364	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:117150040-117152006	UTR3	<small>C12orf49(NM_024738:c.4490_*3609delins0)</small>	12	117150040	117152006	2	0	0	0	0	0	1966	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:120961736-120963012	intronic	COQ5	12	120961736	120963012	2	0	0	0	0	0	1276	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:121853961-121858581	exonic	RNF34	12	121853961	121858581	2	0	0	0	0	0	4620	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:121932381-121958903	exonic	KDM2B	12	121932381	121958903	2	0	0	0	0	0	26522	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:123832575-123834988	exonic	SBN01	12	123832575	123834988	2	0	0	0	0	0	2413	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:124092146-124093376	exonic	DDX55	12	124092146	124093376	2	0	0	0	0	0	1230	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:124377780-124387660	exonic	DNAH10	12	124377780	124387660	2	0	0	0	0	0	9880	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:12788710-12788908	exonic	CREBL2	12	12788710	12788908	2	0	0	0	0	0	198	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:128899276-128900165	exonic	TMEM132C	12	128899276	128900165	2	0	0	0	0	0	889	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:131293175-131311812	exonic	STX2	12	131293175	131311812	2	0	0	0	0	0	18637	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:14609494-14619524	exonic	ATF7IP	12	14609494	14619524	2	0	0	0	0	0	10030	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:24985656-24989530	exonic	BCAT1	12	24985656	24989530	2	0	0	0	0	0	3874	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:2558141-2622150	exonic	CACNA1C	12	2558141	2622150	2	0	0	0	0	0	64009	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:40651049-40668795	exonic	LRRK2	12	40651049	40668795	2	0	0	0	0	0	17746	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:416111-465703	exonic	KDM5A	12	416111	465703	2	0	0	0	0	0	49592	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:45725077-45761576	exonic	ANO6	12	45725077	45761576	2	0	0	0	0	0	36499	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:459787-461490	exonic	KDM5A	12	459787	461490	2	0	0	0	0	0	1703	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:50055748-50062337	exonic	FMNL3	12	50055748	50062337	2	0	0	0	0	0	6589	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:51064969-51074546	exonic	DIP2B	12	51064969	51074546	2	0	0	0	0	0	9577	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:53925527-53927043	exonic	ATF7	12	53925527	53927043	2	0	0	0	0	0	1516	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:57927735-57928235	exonic	DCTN2	12	57927735	57928235	2	0	0	0	0	0	500	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:66620502-66622150	exonic	IRAK3	12	66620502	66622150	2	0	0	0	0	0	1648	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:67675689-67686556	exonic	CAND1	12	67675689	67686556	2	0	0	0	0	0	10867	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:69084410-69096564	exonic	NUP107	12	69084410	69096564	2	0	0	0	0	0	12154	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:69429942-69431308	intergenic	<small>CPM(dist=72922), CPSPF6(dist=202009)</small>	12	69429942	69431308	2	0	0	0	0	0	1366	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:9241795-9266139	exonic	A2M	12	9241795	9266139	2	0	0	0	0	0	24344	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:9242497-9244025	exonic	A2M	12	9242497	9244025	2	0	0	0	0	0	1528	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:94760490-94797038	exonic	CEP83	12	94760490	94797038	2	0	0	0	0	0	36548	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr12:94761570-94797038	exonic	CEP83	12	94761570	94797038	2	0	0	0	0	0	35468	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:108317195-108407838	intronic	FAM155A	13	108317195	108407838	2	0	0	0	0	0	90643	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr13:20222561-20224400	exonic	MPHOSPH8	13	20222561	20224400	2	0	0	0	0	0	1839	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:20600751-20637111	exonic	ZMYM2	13	20600751	20637111	2	0	0	0	0	0	36360	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:21965860-21977005	exonic	ZDHC20	13	21965860	21977005	2	0	0	0	0	0	11145	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:22088491-22113827	exonic	MICU2	13	22088491	22113827	2	0	0	0	0	0	25336	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:23927923-23945304	exonic	SACS	13	23927923	23945304	2	0	0	0	0	0	17381	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:25478063-25487229	exonic	CENPJ	13	25478063	25487229	2	0	0	0	0	0	9166	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:27829491-27830290	exonic	RPL21	13	27829491	27830290	2	0	0	0	0	0	799	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:31843350-31860956	exonic	B3GLCT	13	31843350	31860956	2	0	0	0	0	0	17606	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:32768279-32776664	exonic	FRY	13	32768279	32776664	2	0	0	0	0	0	8385	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:33268359-33315286	exonic	PDS5B	13	33268359	33315286	2	0	0	0	0	0	46927	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:36886281-36886614	exonic	SPG20	13	36886281	36886614	2	0	0	0	0	0	333	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:38624906-38721283	ncRNA_exonic	LINC00571	13	38624906	38721283	2	0	0	0	0	0	96377	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:45112671-45114072	intronic	TSC22D1	13	45112671	45114072	2	0	0	0	0	0	1401	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:45975217-45985615	exonic	SLC25A30	13	45975217	45985615	2	0	0	0	0	0	10398	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:46562921-46563232	exonic	ZC3H13	13	46562921	46563232	2	0	0	0	0	0	311	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:47202700-47209700	intronic	LRCH1	13	47202700	47209700	2	0	0	0	0	0	7000	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:50097310-50098352	exonic	PHF11	13	50097310	50098352	2	0	0	0	0	0	1042	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:51320869-51406266	exonic	DLEU7	13	51320869	51406266	2	0	0	0	0	0	85397	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:75900332-75936743	exonic	TBC1D4	13	75900332	75936743	2	0	0	0	0	0	36411	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:77745626-77754453	exonic	MYCBP2	13	77745626	77754453	2	0	0	0	0	0	8827	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:95813442-95830345	exonic	ABCC4	13	95813442	95830345	2	0	0	0	0	0	16903	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr13:96234209-96234567	exonic	DZIP1	13	96234209	96234567	2	0	0	0	0	0	358	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:102466622-102471573	exonic	DYNC1H1	14	102466622	102471573	2	0	0	0	0	0	4951	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:102471098-102474674	exonic	DYNC1H1	14	102471098	102474674	2	0	0	0	0	0	3576	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:106518808-106667885	intergenic	ADAM6(dist=80450), LINC00226(dist=76384)	14	106518808	106667885	2	0	0	0	0	0	149077	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:24435492-24470293	exonic	DHRS4, DHRS4L2	14	24435492	24470293	2	0	0	0	0	0	34801	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:30102074-30108110	exonic	PRKD1	14	30102074	30108110	2	0	0	0	0	0	6036	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:31637503-31641328	exonic	HECTD1	14	31637503	31641328	2	0	0	0	0	0	3825	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:31782173-31795548	exonic	HEATR5A	14	31782173	31795548	2	0	0	0	0	0	13375	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:33684388-33725084	exonic	NPAS3	14	33684388	33725084	2	0	0	0	0	0	40696	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:36064839-36128402	exonic	RALGAPA1	14	36064839	36128402	2	0	0	0	0	0	63563	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:37777261-37892154	exonic	MIPOL1	14	37777261	37892154	2	0	0	0	0	0	114893	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:50053297-50053596	upstream	RPS29(dist=163)	14	50053297	50053596	2	0	0	0	0	0	299	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:51382053-51383823	exonic	PYGL	14	51382053	51383823	2	0	0	0	0	0	1770	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:52505465-52527074	exonic	NID2	14	52505465	52527074	2	0	0	0	0	0	21609	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr14:61919944-61924397	exonic	PRKCH	14	61919944	61924397	2	0	0	0	0	0	4453	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:62233593-62245628	exonic	SNAPC1	14	62233593	62245628	2	0	0	0	0	0	12035	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:69571556-69572855	intronic	DCAF5	14	69571556	69572855	2	0	0	0	0	0	1299	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:69585015-69585910	splicing	DCAF5	14	69585015	69585910	2	0	0	0	0	0	895	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:71059596-71064494	exonic	MED6	14	71059596	71064494	2	0	0	0	0	0	4898	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:74967481-74995401	exonic	LTBP2	14	74967481	74995401	2	0	0	0	0	0	27920	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:76620696-76647192	exonic	GPATCH2L	14	76620696	76647192	2	0	0	0	0	0	26496	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:78322659-78325622	exonic	ADCK1	14	78322659	78325622	2	0	0	0	0	0	2963	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:81209419-81373837	exonic	CEP128	14	81209419	81373837	2	0	0	0	0	0	164418	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:88967126-88974364	exonic	PTPN21	14	88967126	88974364	2	0	0	0	0	0	7238	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr14:96997923-96998613	exonic	PAPOLA	14	96997923	96998613	2	0	0	0	0	0	690	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:34537606-34537893	splicing	SLC12A6	15	34537606	34537893	2	0	0	0	0	0	287	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:35174702-35178862	exonic	AQR	15	35174702	35178862	2	0	0	0	0	0	4160	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:38794512-38800202	exonic	RASGRP1	15	38794512	38800202	2	0	0	0	0	0	5690	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:42804030-42807552	exonic	SNAP23	15	42804030	42807552	2	0	0	0	0	0	3522	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:43102811-43122276	exonic	TTBK2	15	43102811	43122276	2	0	0	0	0	0	19465	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:43769790-43773220	exonic	TP53BP1	15	43769790	43773220	2	0	0	0	0	0	3430	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:44085281-44085887	exonic	SERF2	15	44085281	44085887	2	0	0	0	0	0	606	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:44624185-44673174	exonic	CASC4	15	44624185	44673174	2	0	0	0	0	0	48989	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:44884528-44892830	exonic	SPG11	15	44884528	44892830	2	0	0	0	0	0	8302	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:44918528-44944464	exonic	SPG11	15	44918528	44944464	2	0	0	0	0	0	25936	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:50866833-50867986	exonic	TRPM7	15	50866833	50867986	2	0	0	0	0	0	1153	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:51012136-51041943	exonic	SPPL2A	15	51012136	51041943	2	0	0	0	0	0	29807	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:52338027-52342334	exonic	MAPK6	15	52338027	52342334	2	0	0	0	0	0	4307	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:55727102-55742565	exonic	DYX1C1	15	55727102	55742565	2	0	0	0	0	0	15463	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:56434975-56436681	exonic	RFX7	15	56434975	56436681	2	0	0	0	0	0	1706	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:56993131-56999504	exonic	ZNF280D	15	56993131	56999504	2	0	0	0	0	0	6373	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:63872744-63873539	intronic	USP3	15	63872744	63873539	2	0	0	0	0	0	795	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:63943451-63944740	exonic	HERC1	15	63943451	63944740	2	0	0	0	0	0	1289	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:63953951-63961897	exonic	HERC1	15	63953951	63961897	2	0	0	0	0	0	7946	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:64039922-64048947	exonic	HERC1	15	64039922	64048947	2	0	0	0	0	0	9025	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:64744242-64745304	intronic	TRIP4	15	64744242	64745304	2	0	0	0	0	0	1062	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:65257660-65262560	exonic	SPG21	15	65257660	65262560	2	0	0	0	0	0	4900	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:65442121-65442507	UTR3	<small>CLPX(OM_006660:c.*1040_*654de1ins0)</small>	15	65442121	65442507	2	0	0	0	0	0	386	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:65555486-65563410	exonic	PARP16	15	65555486	65563410	2	0	0	0	0	0	7924	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr15:68118273-68125595	exonic	SKOR1	15	68118273	68125595	2	0	0	0	0	0	7322	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:68491436-68495076	exonic	CALML4	15	68491436	68495076	2	0	0	0	0	0	3640	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:68491467-68495234	exonic	CALML4	15	68491467	68495234	2	0	0	0	0	0	3767	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:71534987-71549054	exonic	THSD4	15	71534987	71549054	2	0	0	0	0	0	14067	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:72175934-72186119	exonic	MYO9A	15	72175934	72186119	2	0	0	0	0	0	10185	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:72193531-72197347	exonic	MYO9A	15	72193531	72197347	2	0	0	0	0	0	3816	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:75219106-75221573	exonic	COX5A	15	75219106	75221573	2	0	0	0	0	0	2467	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:76566752-76578822	exonic	ETFA	15	76566752	76578822	2	0	0	0	0	0	12070	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:76994098-77025725	exonic	SCAPER	15	76994098	77025725	2	0	0	0	0	0	31627	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:77046149-77057979	exonic	SCAPER	15	77046149	77057979	2	0	0	0	0	0	11830	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:77092588-77096974	exonic	SCAPER	15	77092588	77096974	2	0	0	0	0	0	4386	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:77638884-77657567	intronic	PEAK1	15	77638884	77657567	2	0	0	0	0	0	18683	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:78837210-78838106	exonic	PSMA4	15	78837210	78838106	2	0	0	0	0	0	896	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:79170554-79179691	exonic	MORF4L1	15	79170554	79179691	2	0	0	0	0	0	9137	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:79217675-79220123	exonic	CTSH	15	79217675	79220123	2	0	0	0	0	0	2448	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:82443805-82456325	exonic	EFTUD1	15	82443805	82456325	2	0	0	0	0	0	12520	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:84487614-84488799	exonic	ADAMTSL3	15	84487614	84488799	2	0	0	0	0	0	1185	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:91503130-91505004	exonic	RCCD1	15	91503130	91505004	2	0	0	0	0	0	1874	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr15:96814931-96834012	ncRNA_exonic	NR2F2-AS1	15	96814931	96834012	2	0	0	0	0	0	19081	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:15102635-15112822	exonic	PDXDC1	16	15102635	15112822	2	0	0	0	0	0	10187	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:15116560-15123913	exonic	PDXDC1	16	15116560	15123913	2	0	0	0	0	0	7353	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:15808765-15809129	exonic	MYH11	16	15808765	15809129	2	0	0	0	0	0	364	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:15869935-15880589	exonic	MYH11	16	15869935	15880589	2	0	0	0	0	0	10654	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:17448956-17451907	exonic	XYLT1	16	17448956	17451907	2	0	0	0	0	0	2951	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:19627435-19641142	exonic	C16orf62	16	19627435	19641142	2	0	0	0	0	0	13707	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:21327205-21328447	ncRNA_exonic	CRYM-AS1	16	21327205	21328447	2	0	0	0	0	0	1242	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:27351506-27353580	exonic	IL4R	16	27351506	27353580	2	0	0	0	0	0	2074	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:28157415-28167848	exonic	XPO6	16	28157415	28167848	2	0	0	0	0	0	10433	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:28592375-28602256	exonic	SGF29	16	28592375	28602256	2	0	0	0	0	0	9881	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:30680129-30680300	exonic	FBRS	16	30680129	30680300	2	0	0	0	0	0	171	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:3361753-3373013	exonic	ZNF75A	16	3361753	3373013	2	0	0	0	0	0	11260	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:3799627-3819354	exonic	CREBBP	16	3799627	3819354	2	4	0	0	5	0	19727	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:3801726-3820987	exonic	CREBBP	16	3801726	3820987	2	0	0	0	0	0	19261	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:4157475-4158484	intronic	ADCY9	16	4157475	4158484	2	0	0	0	0	0	1009	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:4707246-4721460	exonic	MGRN1	16	4707246	4721460	2	0	0	0	0	0	14214	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr16:50106515-50136346	exonic	HEATR3	16	50106515	50136346	2	0	0	0	0	0	29831	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:50616854-50622558	intronic	NKD1	16	50616854	50622558	2	0	0	0	0	0	5704	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:50655512-50666319	exonic	NKD1	16	50655512	50666319	2	0	0	0	0	0	10807	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:53189837-53263012	exonic	CHD9	16	53189837	53263012	2	0	0	0	0	0	73175	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:53337631-53340309	exonic	CHD9	16	53337631	53340309	2	0	0	0	0	0	2678	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:58614536-58617086	exonic	CNOT1	16	58614536	58617086	2	0	0	0	0	0	2550	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:65843943-65846679	intergenic	LINC00922 (dist=233740), CDH5 (dist=553831)	16	65843943	65846679	2	0	0	0	0	0	2736	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:66655964-66670484	exonic	CMTM4	16	66655964	66670484	2	0	0	0	0	0	14520	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:66719642-66720387	intronic	CMTM4	16	66719642	66720387	2	0	0	0	0	0	745	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:67578201-67578733	exonic	FAM65A	16	67578201	67578733	2	0	0	0	0	0	532	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:68059317-68083453	exonic	DUS2	16	68059317	68083453	1	0	0	0	2	0	24136	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:68130210-68160513	exonic	NFATC3	16	68130210	68160513	2	0	0	0	0	0	30303	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:68300496-68309152	exonic	SLC7A6	16	68300496	68309152	2	0	0	0	0	0	8656	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:68961470-68961986	exonic	TANGO6	16	68961470	68961986	2	0	0	0	0	0	516	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:69832584-69833198	exonic	WWP2	16	69832584	69833198	2	0	0	0	0	0	614	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:78777266-78779913	intronic	WFOX	16	78777266	78779913	2	0	0	0	0	0	2647	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:84872027-84872341	exonic	CRISPLD2	16	84872027	84872341	2	0	0	0	0	0	314	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr16:89371613-89383483	exonic	ANKRD11	16	89371613	89383483	2	0	0	0	0	0	11870	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:18607932-18608477	intergenic	ZNF286B (dist=22360), TRIM16L (dist=18925)	17	18607932	18608477	2	0	0	0	0	0	545	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:18609108-18611344	intergenic	ZNF286B (dist=23536), TRIM16L (dist=14058)	17	18609108	18611344	2	0	0	0	0	0	2236	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:18775895-18785996	exonic	PRPSAP2	17	18775895	18785996	2	0	0	0	0	0	10101	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:25810684-25811400	UTR5	KSR1 (NM_014238:c.-93873_-93680delins0)	17	25810684	25811400	2	0	0	0	0	0	716	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:27853681-27856322	intronic	TAOK1	17	27853681	27856322	2	0	0	0	0	0	2641	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:28003838-28085411	exonic	SSH2	17	28003838	28085411	2	0	0	0	0	0	81573	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:30740828-30741929	intergenic	ZNF207 (dist=43360), PSMD11 (dist=29552)	17	30740828	30741929	2	0	0	0	0	0	1101	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:34147027-34147441	exonic	TAF15	17	34147027	34147441	2	0	0	0	0	0	414	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:37420427-37439108	exonic	FBXL20	17	37420427	37439108	2	0	0	0	0	0	18681	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:37437641-37441826	exonic	FBXL20	17	37437641	37441826	2	0	0	0	0	0	4185	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:3844264-3846025	exonic	ATP2A3	17	3844264	3846025	2	0	0	0	0	0	1761	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:3853804-3854979	exonic	ATP2A3	17	3853804	3854979	2	0	0	0	0	0	1175	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:40746792-40747093	intronic	FAM134C	17	40746792	40747093	2	0	0	0	0	0	301	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:4100667-4139185	exonic	ANKFY1	17	4100667	4139185	2	0	0	0	0	0	38518	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:45451837-45492285	exonic	EFCAB13	17	45451837	45492285	2	0	0	0	0	0	40448	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:45696530-45697087	exonic	NPEPPS	17	45696530	45697087	2	0	0	0	0	0	557	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:46925425-46928990	exonic	CALCOCO2	17	46925425	46928990	2	0	0	0	0	0	3565	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr17:48744914-48746889	exonic	ABCC3	17	48744914	48746889	2	0	0	0	0	0	1975	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:53062974-53084958	exonic	STXBP4	17	53062974	53084958	2	0	0	0	0	0	21984	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:56434828-56436184	exonic	RNF43	17	56434828	56436184	2	0	0	0	0	0	1356	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:57134235-57148308	exonic	TRIM37	17	57134235	57148308	2	0	0	0	0	0	14073	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:57650476-57657240	exonic	DHX40	17	57650476	57657240	2	0	0	0	0	0	6764	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:57808782-57812834	exonic	VMP1	17	57808782	57812834	2	0	0	0	0	0	4052	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:58756813-58786686	exonic	BCAS3	17	58756813	58786686	2	0	0	0	0	0	29873	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:58761342-58786686	exonic	BCAS3	17	58761342	58786686	2	0	0	0	0	0	25344	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:59152280-59155890	exonic	BCAS3	17	59152280	59155890	2	0	0	0	0	0	3610	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:59967146-60002460	exonic	INTS2	17	59967146	60002460	2	0	0	0	0	0	35314	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:61254075-61263808	ncRNA_intronic	MIR548W	17	61254075	61263808	2	0	0	0	0	0	9733	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:63632029-63746842	exonic	CEP112	17	63632029	63746842	2	0	0	0	0	0	114813	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:65928026-65972074	exonic	BPTF	17	65928026	65972074	2	0	0	0	0	0	44048	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:66110563-66121621	ncRNA_exonic	LINC00674	17	66110563	66121621	2	0	0	0	0	0	11058	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:66654789-66662499	ncRNA_intronic	LINC01482	17	66654789	66662499	2	0	0	0	0	0	7710	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:7148534-7148927	intronic	CTDNBP1	17	7148534	7148927	2	0	0	0	0	0	393	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:73279503-73282883	exonic	SLC25A19	17	73279503	73282883	2	0	0	0	0	0	3380	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:73626383-73626698	splicing	RECQL5	17	73626383	73626698	2	0	0	0	0	0	315	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:74763468-74777212	exonic	MFSD11	17	74763468	74777212	2	0	0	0	0	0	13744	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:75968502-75969082	intergenic	FLJ45079 (dist=88333), TNRC9C (dist=31236)	17	75968502	75969082	2	0	0	0	0	0	580	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:76260465-76261735	ncRNA_intronic	LOC100996291	17	76260465	76261735	2	0	0	0	0	0	1270	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:76808941-76816094	exonic	USP36	17	76808941	76816094	2	0	0	0	0	0	7153	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:76968801-76969051	splicing	LGALS3BP	17	76968801	76969051	2	0	0	0	0	0	250	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:7846708-7847956	exonic	CNTROB	17	7846708	7847956	2	0	0	0	0	0	1248	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:79244718-79250933	exonic	SLC38A10	17	79244718	79250933	2	0	0	0	0	0	6215	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:80525929-80529746	exonic	FOXK2	17	80525929	80529746	2	0	0	0	0	0	3817	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:80858526-80861354	exonic	TBCD	17	80858526	80861354	2	0	0	0	0	0	2828	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr17:8424195-8424603	exonic	MYH10	17	8424195	8424603	2	0	0	0	0	0	408	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:12463349-12635095	exonic	SPIRE1	18	12463349	12635095	2	0	0	0	0	0	171746	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:13029661-13053089	exonic	CEP192	18	13029661	13053089	2	0	0	0	0	0	23428	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:13387339-13387761	exonic	LDLRAD4	18	13387339	13387761	2	0	0	0	0	0	422	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:13529802-13530836	intronic	LDLRAD4	18	13529802	13530836	2	0	0	0	0	0	1034	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:18562723-18572898	exonic	ROCK1	18	18562723	18572898	2	0	0	0	0	0	10175	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:18566910-18624147	exonic	ROCK1	18	18566910	18624147	2	0	0	0	0	0	57237	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:21599824-21663045	exonic	TTC39C	18	21599824	21663045	2	0	0	0	0	0	63221	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr18:21860805-21921622	exonic	OSBPL1A	18	21860805	21921622	2	0	0	0	0	0	60817	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:24056478-24081214	exonic	KCTD1	18	24056478	24081214	2	0	0	0	0	0	24736	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:2688391-2707918	exonic	SMCHD1	18	2688391	2707918	2	0	0	0	0	0	19527	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:2951052-2960847	exonic	LPIN2	18	2951052	2960847	2	0	0	0	0	0	9795	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:32386182-32392077	exonic	DTNA	18	32386182	32392077	2	0	0	0	0	0	5895	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:33775219-33840138	exonic	MOCOS	18	33775219	33840138	2	0	0	0	0	0	64919	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:43698146-43703330	exonic	HAUS1	18	43698146	43703330	2	0	0	0	0	0	5184	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:46531117-46532608	intergenic	<small>SMAD7 (dist=54036), DYM (dist=37564)</small>	18	46531117	46532608	2	0	0	0	0	0	1491	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:48422178-48466756	exonic	ME2	18	48422178	48466756	2	0	0	0	0	0	44578	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:48467539-48467838	intronic	ME2	18	48467539	48467838	2	0	0	0	0	0	299	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:52937061-52946887	exonic	TCF4	18	52937061	52946887	2	0	0	0	0	0	9826	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:55338699-55368545	exonic	ATP8B1	18	55338699	55368545	2	0	0	0	0	0	29846	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:55398646-55399255	exonic	ATP8B1	18	55398646	55399255	2	0	0	0	0	0	609	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:55833020-55839237	exonic	NEDD4L	18	55833020	55839237	2	0	0	0	0	0	6217	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:56532701-56621031	exonic	ZNF532	18	56532701	56621031	2	0	0	0	0	0	88330	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:9182379-9216898	exonic	ANKRD12	18	9182379	9216898	72	52	46	42	53	21	34519	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:9583114-9584826	exonic	PPP4R1	18	9583114	9584826	2	0	0	0	0	0	1712	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr18:9722739-9815219	exonic	RAB31	18	9722739	9815219	2	0	0	0	0	0	92480	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:11168933-11170863	exonic	SMARCA4	19	11168933	11170863	2	0	0	0	0	0	1930	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:11759173-11765226	intergenic	<small>ZNF627 (dist=29199), ZNF833P (dist=19587)</small>	19	11759173	11765226	2	0	0	0	0	0	6053	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:11941098-11944644	exonic	ZNF440	19	11941098	11944644	2	0	0	0	0	0	3546	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:13184235-13186485	exonic	NFIX	19	13184235	13186485	2	0	0	0	0	0	2250	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:13259929-13260312	splicing	STX10	19	13259929	13260312	2	0	0	0	0	0	383	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:13868231-13870086	exonic	CCDC130	19	13868231	13870086	2	0	0	0	0	0	1855	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:1516483-1517518	intergenic	<small>ADAMTSL5 (dist=3295), PLK5 (dist=6555)</small>	19	1516483	1517518	2	0	0	0	0	0	1035	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:18174685-18180523	exonic	IL12RB1	19	18174685	18180523	2	0	0	0	0	0	5838	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:19215721-19217194	exonic	SLC25A42	19	19215721	19217194	2	0	0	0	0	0	1473	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:2078138-2078678	exonic	MOB3A	19	2078138	2078678	2	0	0	0	0	0	540	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:2334600-2337624	exonic	SPPL2B	19	2334600	2337624	2	0	0	0	0	0	3024	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:23527674-23545527	exonic	ZNF91	19	23527674	23545527	2	0	0	0	0	0	17853	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:23990628-24015914	ncRNA_exonic	RPSAP58	19	23990628	24015914	2	0	0	0	0	0	25286	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:24268917-24269374	intronic	ZNF254	19	24268917	24269374	2	0	0	0	0	0	457	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:2936521-2939405	exonic	ZNF77	19	2936521	2939405	2	0	0	0	0	0	2884	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:35749847-35753595	exonic	LSR	19	35749847	35753595	2	0	0	0	0	0	3748	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:3965539-3965772	ncRNA_intronic	MIR1268A	19	3965539	3965772	2	0	0	0	0	0	233	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr19:41782063-41787180	exonic	HNRNPUL1	19	41782063	41787180	2	0	0	0	0	0	5117	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:42274774-42275109	UTR3	<small>CEACAM6(NM_002483:c.*108_*443delins0)</small>	19	42274774	42275109	2	0	0	0	0	0	335	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:42796237-42797433	exonic	CIC	19	42796237	42797433	2	0	0	0	0	0	1196	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:45730919-45731524	exonic	EXOC3L2	19	45730919	45731524	2	0	0	0	0	0	605	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:4898619-4899424	intronic	ARRDC5	19	4898619	4899424	2	0	0	0	0	0	805	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:55105906-55142558	exonic	LILRA1, LILRB1	19	55105906	55142558	2	0	0	0	0	0	36652	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:6364462-6366374	exonic	CLPP	19	6364462	6366374	2	0	0	0	0	0	1912	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:6733331-6733580	splicing	GPR108	19	6733331	6733580	2	0	0	0	0	0	249	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:7709638-7710057	exonic	STXBP2	19	7709638	7710057	2	0	0	0	0	0	419	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr19:9641660-9644642	exonic	ZNF426	19	9641660	9644642	2	0	0	0	0	0	2982	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:101564696-101582228	exonic	NPAS2	2	101564696	101582228	2	0	0	0	0	0	17532	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:10729168-10784498	exonic	NOL10	2	10729168	10784498	2	0	0	0	0	0	55330	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:10799297-10808849	exonic	NOL10	2	10799297	10808849	2	0	0	0	0	0	9552	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:109288780-109289485	exonic	LIMS1	2	109288780	109289485	2	0	0	0	0	0	705	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:122485292-122489780	exonic	NIFK	2	122485292	122489780	2	0	0	0	0	0	4488	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:128888715-128889296	intronic	UGGT1	2	128888715	128889296	2	0	0	0	0	0	581	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:135703716-135705256	exonic	CCNT2	2	135703716	135705256	2	0	0	0	0	0	1540	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:135756308-135788070	exonic	MAP3K19	2	135756308	135788070	2	0	0	0	0	0	31762	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:15514731-15557836	exonic	NBAS	2	15514731	15557836	2	0	0	0	0	0	43105	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:15514731-15567918	exonic	NBAS	2	15514731	15567918	2	0	0	0	0	0	53187	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:15534350-15557836	exonic	NBAS	2	15534350	15557836	2	0	0	0	0	0	23486	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:15644268-15679480	exonic	NBAS	2	15644268	15679480	2	0	0	0	0	0	35212	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:169684667-169699627	exonic	NOSTRIN	2	169684667	169699627	2	0	0	0	0	0	14960	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:170366277-170367398	exonic	KLHL41	2	170366277	170367398	2	0	0	0	0	0	1121	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:173333852-173352956	exonic	ITGA6	2	173333852	173352956	2	0	0	0	0	0	19104	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:175309808-175324816	exonic	GPR155	2	175309808	175324816	2	0	0	0	0	0	15008	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:175978721-175979596	exonic	ATF2	2	175978721	175979596	2	0	0	0	0	0	875	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:179770055-179783634	exonic	CCDC141	2	179770055	179783634	2	0	0	0	0	0	13579	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:182403818-182414435	exonic	CERKL	2	182403818	182414435	2	0	0	0	0	0	10617	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:18349956-18351774	intergenic	<small>KCNS3 (dist=235731), RDH14 (dist=384215)</small>	2	18349956	18351774	2	0	0	0	0	0	1818	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:18567164-18585305	intergenic	<small>KCNS3 (dist=452939), RDH14 (dist=150684)</small>	2	18567164	18585305	2	0	0	0	0	0	18141	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:190179674-190222953	intergenic	<small>COL5A2 (dist=135069), WDR75 (dist=83206)</small>	2	190179674	190222953	2	0	0	0	0	0	43279	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:197653927-197656184	exonic	GTF3C3	2	197653927	197656184	2	0	0	0	0	0	2257	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:201277033-201305507	exonic	SPATS2L	2	201277033	201305507	2	0	0	0	0	0	28474	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:201480693-201521660	exonic	AOX1	2	201480693	201521660	2	0	0	0	0	0	40967	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr2:201499513-201507524	exonic	AOX1	2	201499513	201507524	2	0	0	0	0	0	8011	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:202025155-202028807	exonic	CFLAR	2	202025155	202028807	2	0	0	0	0	0	3652	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:202125336-202125749	UTR5	CASP8(NM_033356:c.-5874_-5874delins0)	2	202125336	202125749	2	0	0	0	0	0	413	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:203136052-203139200	intronic	NOP58	2	203136052	203139200	2	0	0	0	0	0	3148	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:203383544-203383775	exonic	BMPR2	2	203383544	203383775	2	0	0	0	0	0	231	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:216983765-217012999	exonic	XRCC5	2	216983765	217012999	2	0	0	0	0	0	29234	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:223782763-223789313	exonic	ACSL3	2	223782763	223789313	2	0	0	0	0	0	6550	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:228562718-228562986	intronic	SLC19A3	2	228562718	228562986	2	0	0	0	0	0	268	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:231327233-231328761	exonic	SP100	2	231327233	231328761	2	0	0	0	0	0	1528	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:231367780-231372746	exonic	SP100	2	231367780	231372746	2	0	0	0	0	0	4966	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:238635907-238643018	exonic	LRRFIP1	2	238635907	238643018	2	0	0	0	0	0	7111	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:238722234-238743066	exonic	RBM44	2	238722234	238743066	2	0	0	0	0	0	20832	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:242274540-242283312	exonic		2-Sep	242274540	242283312	2	0	0	0	0	0	8772	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:26652495-26654874	exonic	DRC1	2	26652495	26654874	2	0	0	0	0	0	2379	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:27426100-27427799	exonic	SLC5A6	2	27426100	27427799	2	0	0	0	0	0	1699	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:27994666-27995516	exonic	MRPL33	2	27994666	27995516	2	0	0	0	0	0	850	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:29145784-29150566	exonic	WDR43	2	29145784	29150566	2	0	0	0	0	0	4782	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:29390342-29419902	exonic	ALK, CLIP4	2	29390342	29419902	2	0	0	0	0	0	29560	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:32855589-32903989	exonic	TTC27	2	32855589	32903989	2	0	0	0	0	0	48400	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:33002948-33012216	exonic	TTC27	2	33002948	33012216	2	0	0	0	0	0	9268	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:38349127-38358756	ncRNA_exonic	CYP1B1-AS1	2	38349127	38358756	2	0	0	0	0	0	9629	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:39552658-39564722	exonic	MAP4K3	2	39552658	39564722	2	0	0	0	0	0	12064	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:39559057-39570593	exonic	MAP4K3	2	39559057	39570593	2	0	0	0	0	0	11536	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:39717636-39718419	ncRNA_intronic	LOC728730	2	39717636	39718419	2	0	0	0	0	0	783	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:43953410-43986168	exonic	PLEKHH2	2	43953410	43986168	2	0	0	0	0	0	32758	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:46062919-46070202	exonic	PRKCE	2	46062919	46070202	2	0	0	0	0	0	7283	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:47600601-47601187	exonic	EPCAM	2	47600601	47601187	2	0	0	0	0	0	586	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:55548610-55550957	exonic	CCDC88A	2	55548610	55550957	2	0	0	0	0	0	2347	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:61014081-61019424	exonic	PAPOLG	2	61014081	61019424	2	0	0	0	0	0	5343	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:61505299-61520685	exonic	USP34	2	61505299	61520685	2	0	0	0	0	0	15386	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:61717776-61726048	exonic	XPO1	2	61717776	61726048	2	0	0	0	0	0	8272	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:62974529-62998527	exonic	EHBP1	2	62974529	62998527	2	0	0	0	0	0	23998	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:68717321-68765359	exonic	APLF	2	68717321	68765359	2	0	0	0	0	0	48038	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:69553303-69577315	exonic	GFPT1	2	69553303	69577315	2	0	0	0	0	0	24012	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:69574178-69579298	exonic	GFPT1	2	69574178	69579298	2	0	0	0	0	0	5120	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr2:70278334-70312756	ncRNA_exonic	PCBP1-AS1	2	70278334	70312756	2	0	0	0	0	0	34422	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:70465216-70465512	intronic	TIA1	2	70465216	70465512	2	0	0	0	0	0	296	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:71215665-71220905	exonic	TEX261	2	71215665	71220905	2	0	0	0	0	0	5240	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:71753349-71766369	exonic	DYSF	2	71753349	71766369	2	0	0	0	0	0	13020	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:72907743-72960247	exonic	EXOC6B	2	72907743	72960247	2	0	0	0	0	0	52504	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:75914952-75923441	exonic	GCFC2	2	75914952	75923441	2	0	0	0	0	0	8489	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:86088304-86097381	exonic	ST3GAL5	2	86088304	86097381	2	0	0	0	0	0	9077	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:86348602-86355114	exonic	PTCD3	2	86348602	86355114	2	0	0	0	0	0	6512	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:89309900-89340016	intergenic	MIR4436A(dist=197932),NONE(dist=NONE)	2	89309900	89340016	2	0	0	0	0	0	30116	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:98165882-98167943	exonic	ANKRD36B	2	98165882	98167943	2	0	0	0	0	0	2061	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:98412680-98413449	exonic	TMEM131	2	98412680	98413449	2	0	0	0	0	0	769	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr2:99291497-99343030	exonic	MGAT4A	2	99291497	99343030	2	0	0	0	0	0	51533	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:18139727-18143589	exonic	CSRP2BP	20	18139727	18143589	2	0	0	0	0	0	3862	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:20505049-20517428	exonic	RALGAPA2	20	20505049	20517428	2	0	0	0	0	0	12379	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:23614321-23614500	UTR3	CST3(NM_000099:c.*232_*53delins0)	20	23614321	23614500	2	0	0	0	0	0	179	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:25439018-25457725	exonic	NINL	20	25439018	25457725	2	0	0	0	0	0	18707	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:32161779-32162067	exonic	CBFA2T2	20	32161779	32162067	2	0	0	0	0	0	288	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:32198899-32207412	exonic	CBFA2T2	20	32198899	32207412	2	0	0	0	0	0	8513	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:32957199-33001685	exonic	ITCH	20	32957199	33001685	2	0	0	0	0	0	44486	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:33961986-33971936	exonic	UQCC1	20	33961986	33971936	2	0	0	0	0	0	9950	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:35693826-35695524	exonic	RBL1	20	35693826	35695524	2	0	0	0	0	0	1698	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:37534612-37536836	exonic	PPP1R16B	20	37534612	37536836	2	0	0	0	0	0	2224	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:37630372-37634999	exonic	DHX35	20	37630372	37634999	2	0	0	0	0	0	4627	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:40238745-40239205	intronic	CHD6	20	40238745	40239205	2	0	0	0	0	0	460	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:42635186-42635432	exonic	TOX2	20	42635186	42635432	2	0	0	0	0	0	246	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:47567859-47570327	exonic	ARFGEF2	20	47567859	47570327	2	0	0	0	0	0	2468	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr20:61485367-61491660	exonic	TCFL5	20	61485367	61491660	2	0	0	0	0	0	6293	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr21:44317036-44324386	exonic	NDUFV3	21	44317036	44324386	2	0	0	0	0	0	7350	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr21:47350699-47360113	exonic	PCBP3	21	47350699	47360113	2	0	0	0	0	0	9414	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr21:47695099-47700489	exonic	MCM3AP	21	47695099	47700489	2	0	0	0	0	0	5390	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:22064916-22065197	exonic	YPEL1	22	22064916	22065197	2	0	0	0	0	0	281	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:23401623-23406192	exonic	RSPH14	22	23401623	23406192	2	0	0	0	0	0	4569	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:26063705-26070495	exonic	ADRBK2	22	26063705	26070495	2	0	0	0	0	0	6790	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:29090019-29115473	exonic	CHEK2	22	29090019	29115473	2	0	0	0	0	0	25454	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:29191723-29192034	splicing	XBP1	22	29191723	29192034	2	0	0	0	0	0	311	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr22:30225088-30228684	exonic	ASCC2	22	30225088	30228684	2	0	0	0	0	0	3596	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:31342327-31354680	exonic	MORC2	22	31342327	31354680	2	0	0	0	0	0	12353	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:35658316-35689736	exonic	HMGXB4	22	35658316	35689736	2	0	0	0	0	0	31420	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:39147399-39148511	splicing	SUN2	22	39147399	39148511	2	0	0	0	0	0	1112	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:40642019-40647204	exonic	TNRC6B	22	40642019	40647204	2	0	0	0	0	0	5185	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:41560057-41566575	exonic	EP300	22	41560057	41566575	2	0	0	0	0	0	6518	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:42024121-42033795	exonic	XRCC6	22	42024121	42033795	2	0	0	0	0	0	9674	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:46757470-46757711	UTR3	<small>CELSR1 (NM_014246:c.*1605_*1364delins0)</small>	22	46757470	46757711	2	0	0	0	0	0	241	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr22:50901893-50902757	splicing	SBF1	22	50901893	50902757	2	0	0	0	0	0	864	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:101383381-101391057	exonic	ZBTB11	3	101383381	101391057	2	0	0	0	0	0	7676	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:107447611-107451870	exonic	BBX	3	107447611	107451870	2	0	0	0	0	0	4259	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:113127952-113135474	exonic	CFAP44	3	113127952	113135474	2	0	0	0	0	0	7522	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:119222378-119232566	exonic	TIMMDC1	3	119222378	119232566	2	0	0	0	0	0	10188	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:123345664-123359351	exonic	MYLK	3	123345664	123359351	2	0	0	0	0	0	13687	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:123663695-123666166	exonic	CCDC14	3	123663695	123666166	2	0	0	0	0	0	2471	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:124563946-124564716	intronic	ITGB5	3	124563946	124564716	2	0	0	0	0	0	770	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:124974322-124975315	intronic	ZNF148	3	124974322	124975315	2	0	0	0	0	0	993	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:128913267-128914151	intergenic	<small>CNPB (dist=10457), COPG1 (dist=54302)</small>	3	128913267	128914151	2	0	0	0	0	0	884	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:130678118-130683889	exonic	ATP2C1	3	130678118	130683889	2	0	0	0	0	0	5771	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:130884269-130947532	exonic	NEK11	3	130884269	130947532	2	0	0	0	0	0	63263	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:132175078-132203516	exonic	DNAJC13	3	132175078	132203516	2	0	0	0	0	0	28438	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:133374133-133375701	exonic	TOPBP1	3	133374133	133375701	2	0	0	0	0	0	1568	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:135789319-135809509	exonic	PPP2R3A	3	135789319	135809509	2	0	0	0	0	0	20190	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:141622462-141626116	exonic	ATP1B3	3	141622462	141626116	2	0	0	0	0	0	3654	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:142183938-142186910	exonic	ATR	3	142183938	142186910	2	0	0	0	0	0	2972	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:142279104-142286996	exonic	ATR	3	142279104	142286996	2	0	0	0	0	0	7892	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:148599309-148603964	exonic	CPA3	3	148599309	148603964	2	0	0	0	0	0	4655	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:149540305-149589941	exonic	RNF13	3	149540305	149589941	2	0	0	0	0	0	49636	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:150218811-150219889	intergenic	<small>TSC2D2 (dist=40906), SERP1 (dist=39891)</small>	3	150218811	150219889	2	0	0	0	0	0	1078	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:153149646-153161157	intergenic	<small>RAP2B (dist=261233), C3orf79 (dist=41127)</small>	3	153149646	153161157	2	0	0	0	0	0	11511	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:166858477-166952747	intergenic	<small>BCHE (dist=1303224), ZBBX (dist=5330)</small>	3	166858477	166952747	2	0	0	0	0	0	94270	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:174951720-175042114	exonic	NAALADL2	3	174951720	175042114	2	0	0	0	0	0	90394	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:17549966-17627958	exonic	TBC1D5	3	17549966	17627958	2	0	0	0	0	0	77992	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:17549966-17628049	exonic	TBC1D5	3	17549966	17628049	2	0	0	0	0	0	78083	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:184566858-184689540	exonic	VPS8	3	184566858	184689540	2	0	0	0	0	0	122682	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr3:185823094-185823731	exonic	ETV5	3	185823094	185823731	2	0	0	0	0	0	637	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:196098767-196117594	exonic	UBXN7	3	196098767	196117594	2	0	0	0	0	0	18827	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:197707196-197726213	exonic	LMLN	3	197707196	197726213	2	0	0	0	0	0	19017	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:32774914-32776468	exonic	CNOT10	3	32774914	32776468	2	0	0	0	0	0	1554	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:33055038-33055547	splicing	GLB1	3	33055038	33055547	2	0	0	0	0	0	509	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:33648082-33705007	exonic	CLASP2	3	33648082	33705007	2	0	0	0	0	0	56925	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:33712135-33738425	exonic	CLASP2	3	33712135	33738425	2	0	0	0	0	0	26290	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:36931319-36934475	exonic	TRANK1	3	36931319	36934475	2	0	0	0	0	0	3156	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:41657159-41977432	exonic	ULK4	3	41657159	41977432	2	0	0	0	0	0	320273	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:47703823-47727660	exonic	SMARCC1	3	47703823	47727660	2	0	0	0	0	0	23837	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:4808213-4810448	exonic	ITPR1	3	4808213	4810448	2	0	0	0	0	0	2235	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:48491442-48495818	exonic	ATRIP	3	48491442	48495818	2	0	0	0	0	0	4376	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:48744196-48744977	intronic	IP6K2	3	48744196	48744977	2	0	0	0	0	0	781	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:50144199-50145737	exonic	RBM5	3	50144199	50145737	2	0	0	0	0	0	1538	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:51575514-51661770	exonic	RAD54L2	3	51575514	51661770	2	0	0	0	0	0	86256	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:52006556-52006975	intronic	ABHD14B	3	52006556	52006975	2	0	0	0	0	0	419	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:57271519-57280250	exonic	APPL1	3	57271519	57280250	2	0	0	0	0	0	8731	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:57571620-57574636	intronic	ARF4	3	57571620	57574636	2	0	0	0	0	0	3016	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:57616147-57616705	exonic	DENND6A	3	57616147	57616705	2	0	0	0	0	0	558	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:64427425-64427566	intergenic	<small>PRICKLE2 (dist=216294), ADAMTS9 (dist=73765)</small>	3	64427425	64427566	2	0	0	0	0	0	141	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:71161686-71542706	exonic	FOXP1	3	71161686	71542706	2	0	0	0	0	0	381020	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr3:9484991-9487424	exonic	SETD5	3	9484991	9487424	2	0	0	0	0	0	2433	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:106317405-106377902	exonic	PPA2	4	106317405	106377902	2	0	0	0	0	0	60497	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:110862101-110866431	exonic	EGF	4	110862101	110866431	2	0	0	0	0	0	4330	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:110862101-110909865	exonic	EGF	4	110862101	110909865	2	0	0	0	0	0	47764	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:113565823-113575315	exonic	LARP7	4	113565823	113575315	2	0	0	0	0	0	9492	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:123091770-123097069	exonic	KIAA1109	4	123091770	123097069	2	0	0	0	0	0	5299	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:140037803-140046483	exonic	ELF2	4	140037803	140046483	2	0	0	0	0	0	8680	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:146697126-146700525	splicing	ZNF827	4	146697126	146700525	2	0	0	0	0	0	3399	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:148743877-148803083	exonic	ARHGAP10	4	148743877	148803083	2	0	0	0	0	0	59206	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:153874650-153875471	exonic	FHDC1	4	153874650	153875471	2	0	0	0	0	0	821	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:154191489-154197282	exonic	TRIM2	4	154191489	154197282	2	0	0	0	0	0	5793	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:15585497-15592952	exonic	CC2D2A	4	15585497	15592952	2	0	0	0	0	0	7455	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:166924542-166946583	exonic	TLL1	4	166924542	166946583	2	0	0	0	0	0	22041	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:184605127-184615876	exonic	TRAPPC11	4	184605127	184615876	2	0	0	0	0	0	10749	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr4:187077153-187088416	exonic	FAM149A	4	187077153	187088416	2	0	0	0	0	0	11263	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:25256686-25270825	exonic	PI4K2B	4	25256686	25270825	2	0	0	0	0	0	14139	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:25819759-25849486	exonic	SELIL3	4	25819759	25849486	2	0	0	0	0	0	29727	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:2721408-2729708	exonic	FAM193A	4	2721408	2729708	2	0	0	0	0	0	8300	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:3184080-3190820	exonic	HTT	4	3184080	3190820	2	0	0	0	0	0	6740	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:39226503-39241954	exonic	WDR19	4	39226503	39241954	2	0	0	0	0	0	15451	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:40103694-40115128	exonic	N4BP2	4	40103694	40115128	2	0	0	0	0	0	11434	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:41210510-41213078	intronic	APBB2	4	41210510	41213078	2	0	0	0	0	0	2568	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:57785953-57798356	exonic	REST	4	57785953	57798356	2	0	0	0	0	0	12403	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:6596260-6602483	exonic	MAN2B2	4	6596260	6602483	2	0	0	0	0	0	6223	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:68586140-68595888	ncRNA_exonic	UBA6-AS1	4	68586140	68595888	2	0	0	0	0	0	9748	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:6878484-6882497	exonic	KIAA0232	4	6878484	6882497	2	0	0	0	0	0	4013	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:71634254-71640950	exonic	RUFY3	4	71634254	71640950	2	0	0	0	0	0	6696	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:71662871-71663346	intronic	RUFY3	4	71662871	71663346	2	0	0	0	0	0	475	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:73984405-73991029	exonic	ANKRD17	4	73984405	73991029	2	0	0	0	0	0	6624	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:76521430-76532545	exonic	CDKL2	4	76521430	76532545	2	0	0	0	0	0	11115	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:81529487-81570141	exonic	C4orf22	4	81529487	81570141	2	0	0	0	0	0	40654	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:82366679-82369438	exonic	RASGEF1B	4	82366679	82369438	2	0	0	0	0	0	2759	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:84384646-84393441	exonic	FAM175A	4	84384646	84393441	2	0	0	0	0	0	8795	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:85478850-85479109	intergenic	<small>NX6-1 (dist=59463), CDS1 (dist=24948)</small>	4	85478850	85479109	2	0	0	0	0	0	259	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:85599320-85600395	exonic	WDFY3	4	85599320	85600395	2	0	0	0	0	0	1075	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:85611658-85623659	exonic	WDFY3	4	85611658	85623659	2	0	0	0	0	0	12001	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:87022204-87028505	exonic	MAPK10	4	87022204	87028505	2	0	0	0	0	0	6301	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr4:95197489-95202741	exonic	SMARCAD1	4	95197489	95202741	2	0	0	0	0	0	5252	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:10213603-10224173	intergenic	<small>LOC285692 (dist=309667), FAM173B (dist=1447)</small>	5	10213603	10224173	2	0	0	0	0	0	10570	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:108133825-108134090	exonic	FER	5	108133825	108134090	2	0	0	0	0	0	265	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:111594925-111602027	exonic	EPB41L4A	5	111594925	111602027	2	0	0	0	0	0	7102	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:111614203-111614538	intronic	EPB41L4A	5	111614203	111614538	2	0	0	0	0	0	335	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:117876-122629	intergenic	<small>NONE (dist=NONE), PLEKHG4B (dist=17744)</small>	5	117876	122629	2	0	0	0	0	0	4753	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:130788746-130799974	exonic	RAPGEF6	5	130788746	130799974	2	0	0	0	0	0	11228	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:130840318-130883883	exonic	RAPGEF6	5	130840318	130883883	2	0	0	0	0	0	43565	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:132222002-132228810	exonic	AFF4	5	132222002	132228810	2	0	0	0	0	0	6808	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:132342451-132343581	exonic	ZCCHC10	5	132342451	132343581	2	0	0	0	0	0	1130	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:138221900-138223331	exonic	CTNNA1	5	138221900	138223331	2	0	0	0	0	0	1431	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:14316621-14420130	exonic	TRIO	5	14316621	14420130	2	0	0	0	0	0	103509	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr5:14673751-14693203	exonic	OTULIN	5	14673751	14693203	2	0	0	0	0	0	19452	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:149900429-149901329	exonic	NDST1	5	149900429	149901329	2	0	0	0	0	0	900	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:153381810-153407843	exonic	FAM114A2	5	153381810	153407843	2	0	0	0	0	0	26033	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:154062598-154063063	intergenic	MIR3141 (dist=86966), MIR1303 (dist=2273)	5	154062598	154063063	2	0	0	0	0	0	465	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:157221906-157232919	exonic	CLINT1	5	157221906	157232919	2	0	0	0	0	0	11013	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:169138938-169145795	exonic	DOCK2	5	169138938	169145795	2	0	0	0	0	0	6857	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:171479932-171488272	exonic	STK10	5	171479932	171488272	2	0	0	0	0	0	8340	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:176344883-176347132	intronic	UIMC1	5	176344883	176347132	2	0	0	0	0	0	2249	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:176562941-176631293	exonic	NSD1	5	176562941	176631293	2	0	0	0	0	0	68352	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:176618884-176666866	exonic	NSD1	5	176618884	176666866	2	0	0	0	0	0	47982	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:176665237-176666866	exonic	NSD1	5	176665237	176666866	2	0	0	0	0	0	1629	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:176707565-176710929	exonic	NSD1	5	176707565	176710929	2	0	0	0	0	0	3364	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:179041961-179042546	splicing	HNRNPH1	5	179041961	179042546	2	0	0	0	0	0	585	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:179151721-179153760	exonic	CANX	5	179151721	179153760	2	0	0	0	0	0	2039	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:179195850-179198244	exonic	MAML1	5	179195850	179198244	2	0	0	0	0	0	2394	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:179265584-179267039	intronic	C5orf45	5	179265584	179267039	2	0	0	0	0	0	1455	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:179994242-179994819	exonic	CNOT6	5	179994242	179994819	2	0	0	0	0	0	577	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:31421378-31424578	exonic	DROSHA	5	31421378	31424578	2	0	0	0	0	0	3200	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:33588703-33596165	exonic	ADAMTS12	5	33588703	33596165	2	0	0	0	0	0	7462	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:37697756-37703189	exonic	WDR70	5	37697756	37703189	2	0	0	0	0	0	5433	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:39201928-39250908	exonic	FYB	5	39201928	39250908	2	0	0	0	0	0	48980	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:41927114-41930019	exonic	FBXO4	5	41927114	41930019	2	0	0	0	0	0	2905	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:42688992-42719076	exonic	GHR	5	42688992	42719076	2	0	0	0	0	0	30084	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:43615949-43645612	exonic	NNT	5	43615949	43645612	2	0	0	0	0	0	29663	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:453484-454166	exonic	EXOC3	5	453484	454166	2	0	0	0	0	0	682	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:61642956-61645947	exonic	KIF2A	5	61642956	61645947	2	0	0	0	0	0	2991	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:65307876-65319192	exonic	ERBB2IP	5	65307876	65319192	2	0	0	0	0	0	11316	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:72302271-72337142	exonic	FCHO2	5	72302271	72337142	2	0	0	0	0	0	34871	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:72347175-72383580	exonic	FCHO2	5	72347175	72383580	2	0	0	0	0	0	36405	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:730549-770232	intergenic	TPPP (dist=37039), ZDHHC11 (dist=25488)	5	730549	770232	2	0	0	0	0	0	39683	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:78692645-78697878	exonic	HOMER1	5	78692645	78697878	2	0	0	0	0	0	5233	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:80057364-80088663	exonic	MSH3	5	80057364	80088663	2	0	0	0	0	0	31299	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:80419412-80422982	exonic	RASGRF2	5	80419412	80422982	2	0	0	0	0	0	3570	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr5:86627164-86637138	exonic	RASA1	5	86627164	86637138	2	0	0	0	0	0	9974	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:10749434-10755465	exonic	TMEM14B	6	10749434	10755465	2	0	0	0	0	0	6031	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr6:109884799-109907275	exonic	AK9	6	109884799	109907275	2	0	0	0	0	0	22476	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:112451077-112452303	exonic	LAMA4	6	112451077	112452303	2	0	0	0	0	0	1226	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:12026181-12043689	intronic	HIVEP1	6	12026181	12043689	2	0	0	0	0	0	17508	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:129618829-129674502	exonic	LAMA2	6	129618829	129674502	2	0	0	0	0	0	55673	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:129687364-129704378	exonic	LAMA2	6	129687364	129704378	2	0	0	0	0	0	17014	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:129799837-129835740	exonic	LAMA2	6	129799837	129835740	2	0	0	0	0	0	35903	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:132039811-132047340	exonic	ENPP3	6	132039811	132047340	2	0	0	0	0	0	7529	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:13632601-13634784	exonic	RANBP9	6	13632601	13634784	2	0	0	0	0	0	2183	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:136922159-136923117	exonic	MAP3K5	6	136922159	136923117	2	0	0	0	0	0	958	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:136958462-136980516	exonic	MAP3K5	6	136958462	136980516	2	0	0	0	0	0	22054	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:139262471-139269050	exonic	REPS1	6	139262471	139269050	2	0	0	0	0	0	6579	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:147103155-147109746	exonic	ADGB	6	147103155	147109746	2	0	0	0	0	0	6591	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:151222059-151243874	exonic	MTHFD1L	6	151222059	151243874	2	0	0	0	0	0	21815	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:151725864-151742456	exonic	RMND1	6	151725864	151742456	2	0	0	0	0	0	16592	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:152529106-152536195	exonic	SYNE1	6	152529106	152536195	2	0	0	0	0	0	7089	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:152560283-152560988	exonic	SYNE1	6	152560283	152560988	2	0	0	0	0	0	705	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:152644612-152673488	exonic	SYNE1	6	152644612	152673488	2	0	0	0	0	0	28876	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:152668193-152673488	exonic	SYNE1	6	152668193	152673488	2	0	0	0	0	0	5295	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:15615497-15652371	exonic	DTNBP1	6	15615497	15652371	2	0	0	0	0	0	36874	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:158681516-158681947	intergenic	<small>GTF2H5 (dist=61140), TULP4 (dist=51745)</small>	6	158681516	158681947	2	0	0	0	0	0	431	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:158731398-158735300	exonic	TULP4	6	158731398	158735300	2	0	0	0	0	0	3902	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:158870027-158882761	exonic	TULP4	6	158870027	158882761	2	0	0	0	0	0	12734	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:169768304-169770495	intergenic	<small>THBS2 (dist=114095), WDR27 (dist=86808)</small>	6	169768304	169770495	2	0	0	0	0	0	2191	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:170110331-170121207	exonic	PHF10	6	170110331	170121207	2	0	0	0	0	0	10876	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:170626457-170667406	exonic	FAM120B	6	170626457	170667406	2	0	0	0	0	0	40949	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:25471396-25488813	exonic	LRRC16A	6	25471396	25488813	2	0	0	0	0	0	17417	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:36043625-36104308	exonic	MAPK13, MAPK14	6	36043625	36104308	2	0	0	0	0	0	60683	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:41839302-41875025	exonic	MED20	6	41839302	41875025	2	0	0	0	0	0	35723	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:43521109-43535091	exonic	XPO5	6	43521109	43535091	2	0	0	0	0	0	13982	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:46214484-46216633	exonic	RCAN2	6	46214484	46216633	2	0	0	0	0	0	2149	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:55988859-56006781	exonic	COL21A1	6	55988859	56006781	2	0	0	0	0	0	17922	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:6167690-6251162	exonic	F13A1	6	6167690	6251162	2	0	0	0	0	0	83472	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:76332467-76333676	exonic	SENTP6	6	76332467	76333676	2	0	0	0	0	0	1209	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:79679551-79688428	exonic	PHIP	6	79679551	79688428	2	0	0	0	0	0	8877	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:88081311-88085428	intergenic	<small>Corf163 (dist=6130), LINC01590 (dist=21414)</small>	6	88081311	88085428	2	0	0	0	0	0	4117	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr6:88236158-88236498	intronic	RARS2	6	88236158	88236498	2	0	0	0	0	0	340	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:97599646-97616116	exonic	MMS22L	6	97599646	97616116	2	0	0	0	0	0	16470	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:100189290-100192164	exonic	FBXO24	7	100189290	100192164	2	0	0	0	0	0	2874	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:101695409-101696182	intronic	CUX1	7	101695409	101696182	2	0	0	0	0	0	773	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:102106263-102106717	exonic	LRWD1	7	102106263	102106717	2	0	0	0	0	0	454	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:104678572-104707254	exonic	KMT2E	7	104678572	104707254	2	0	0	0	0	0	28682	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:106888840-106964966	exonic	COG5	7	106888840	106964966	2	0	0	0	0	0	76126	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:111575594-111624445	exonic	DOCK4	7	111575594	111624445	2	0	0	0	0	0	48851	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:114268594-114284844	exonic	FOXP2	7	114268594	114284844	2	0	0	0	0	0	16250	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:122091427-122153369	exonic	CADPS2	7	122091427	122153369	2	0	0	0	0	0	61942	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:129579722-129585695	intronic	UBE2H	7	129579722	129585695	2	0	0	0	0	0	5973	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:130596869-130669820	ncRNA_exonic	LINC-PINT, LOC100506860	7	130596869	130669820	2	0	0	0	0	0	72951	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:130771519-130778555	ncRNA_intronic	LINC-PINT	7	130771519	130778555	2	0	0	0	0	0	7036	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:131122543-131130662	exonic	MKLN1	7	131122543	131130662	2	0	0	0	0	0	8119	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:139059146-139086993	exonic	C7orf55-LUC7L2, LUC7L2	7	139059146	139086993	2	0	0	0	0	0	27847	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:140453074-140494267	exonic	BRAF	7	140453074	140494267	2	0	0	0	0	0	41193	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:151174419-151195266	exonic	RHEB	7	151174419	151195266	2	0	0	0	0	0	20847	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:1937835-2108973	exonic	MAD1L1	7	1937835	2108973	2	0	0	0	0	0	171138	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:2482185-2483381	ncRNA_intronic	LOC101927181	7	2482185	2483381	2	0	0	0	0	0	1196	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:26883648-26894509	exonic	SKAP2	7	26883648	26894509	2	0	0	0	0	0	10861	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:30876274-30880464	exonic	FAM188B	7	30876274	30880464	2	0	0	0	0	0	4190	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:42956732-42957434	exonic	PSMA2	7	42956732	42957434	2	0	0	0	0	0	702	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:44733424-44734175	exonic	OGDH	7	44733424	44734175	2	0	0	0	0	0	751	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:65872277-65876689	intergenic	<small>LINC00174(dist=6882), GSI-124K5.11(dist=118603)</small>	7	65872277	65876689	2	0	0	0	0	0	4412	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:65892936-65904291	intergenic	<small>LINC00174(dist=27541), GSI-124K5.11(dist=91001)</small>	7	65892936	65904291	2	0	0	0	0	0	11355	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:66007528-66008822	ncRNA_intronic	GSI-124K5.11	7	66007528	66008822	2	0	0	0	0	0	1294	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:6791498-6792411	downstream	PMS2CL(dist=266)	7	6791498	6792411	2	0	0	0	0	0	913	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:70227855-70236630	exonic	AUTS2	7	70227855	70236630	2	0	0	0	0	0	8775	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:70800535-70853387	exonic	WBSCR17	7	70800535	70853387	2	0	0	0	0	0	52852	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:70886865-70896251	intronic	WBSCR17	7	70886865	70896251	2	0	0	0	0	0	9386	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:72352020-72384365	UTR5	<small>PMS2CL(dist=266), GSI-124K5.11(dist=91001)</small>	7	72352020	72384365	2	0	0	0	0	0	32345	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:72861594-72874048	exonic	BAZ1B	7	72861594	72874048	2	0	0	0	0	0	12454	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:73935537-73944247	exonic	GTF2IRD1	7	73935537	73944247	2	0	0	0	0	0	8710	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:74536691-74542186	exonic	GTF2IRD2, GTF2IRD2B	7	74536691	74542186	2	0	0	0	0	0	5495	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:7472103-7495743	exonic	COL28A1	7	7472103	7495743	2	0	0	0	0	0	23640	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr7:76922269-76924246	exonic	CCDC146	7	76922269	76924246	2	0	0	0	0	0	1977	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:77021462-77023100	intronic	GSAP	7	77021462	77023100	2	0	0	0	0	0	1638	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:77026299-77035422	exonic	GSAP	7	77026299	77035422	2	0	0	0	0	0	9123	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:77841670-77844339	intronic	MAGI2	7	77841670	77844339	2	0	0	0	0	0	2669	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr7:92900531-92926555	exonic	VPS50	7	92900531	92926555	2	0	0	0	0	0	26024	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:103841726-103842048	splicing	AZIN1	8	103841726	103842048	2	0	0	0	0	0	322	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:118540889-118543066	exonic	MED30	8	118540889	118543066	2	0	0	0	0	0	2177	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:118830673-118849440	exonic	EXT1	8	118830673	118849440	2	0	0	0	0	0	18767	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:124089350-124154696	exonic	TBC1D31	8	124089350	124154696	2	0	0	0	0	0	65346	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:131179782-131199531	exonic	ASAP1	8	131179782	131199531	2	0	0	0	0	0	19749	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:132855839-132898399	intergenic	<small>ADCY8 (dist=803004), EFR3A (dist=17957)</small>	8	132855839	132898399	2	0	0	0	0	0	42560	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:133584505-133764243	exonic	LRRC6, TMEM71	8	133584505	133764243	2	0	0	0	0	0	179738	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:133622412-133673873	exonic	LRRC6	8	133622412	133673873	2	0	0	0	0	0	51461	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:141025828-141028050	intronic	TRAPPC9	8	141025828	141028050	2	0	0	0	0	0	2222	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:141828486-141828978	splicing	PTK2	8	141828486	141828978	2	0	0	0	0	0	492	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:17654544-17655951	intronic	MTUS1	8	17654544	17655951	2	0	0	0	0	0	1407	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:17842955-17847488	exonic	PCM1	8	17842955	17847488	2	0	0	0	0	0	4533	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:18622958-18730243	exonic	PSD3	8	18622958	18730243	2	0	0	0	0	0	107285	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:27288914-27296915	exonic	PTK2B	8	27288914	27296915	2	0	0	0	0	0	8001	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:38279314-38287466	exonic	FGFR1	8	38279314	38287466	2	0	0	0	0	0	8152	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:38934746-38948865	exonic	ADAM9	8	38934746	38948865	2	0	0	0	0	0	14119	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:41889419-41893897	intronic	KAT6A	8	41889419	41893897	2	0	0	0	0	0	4478	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:42202471-42207583	exonic	POLB	8	42202471	42207583	2	0	0	0	0	0	5112	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:42296967-42330172	exonic	SLC20A2	8	42296967	42330172	2	0	0	0	0	0	33205	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:56652632-56675587	exonic	TMEM68	8	56652632	56675587	2	0	0	0	0	0	22955	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:56898615-56899411	intronic	LYN	8	56898615	56899411	2	0	0	0	0	0	796	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:59506790-59515945	exonic	NSMAF	8	59506790	59515945	2	0	0	0	0	0	9155	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:67740888-67763155	exonic	C8orf44-SGK3, SGK3	8	67740888	67763155	2	0	0	0	0	0	22267	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:67743489-67748309	exonic	C8orf44-SGK3, SGK3	8	67743489	67748309	2	0	0	0	0	0	4820	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:68030482-68102994	exonic	CSPP1	8	68030482	68102994	2	0	0	2	0	0	72512	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:68999958-69021858	exonic	PREX2	8	68999958	69021858	2	0	0	0	0	0	21900	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:71530267-71530674	ncRNA_intronic	LACTB2-AS1	8	71530267	71530674	2	0	0	0	0	0	407	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:72181974-72229909	exonic	EYA1	8	72181974	72229909	2	0	0	0	0	0	47935	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:72229786-72246409	exonic	EYA1	8	72229786	72246409	2	0	0	0	0	0	16623	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:79648708-79652317	exonic	IL7	8	79648708	79652317	2	0	0	0	0	0	3609	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chr8:90775056-90792388	exonic	RIPK2	8	90775056	90792388	2	0	0	0	0	0	17332	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:90965471-90976735	exonic	NBN	8	90965471	90976735	2	0	0	0	0	0	11264	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:92114447-92201851	exonic	LRRRC69	8	92114447	92201851	2	0	0	0	0	0	87404	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr8:95541297-95550574	exonic	KIAA1429	8	95541297	95550574	2	0	0	0	0	0	9277	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:107620803-107651476	exonic	ABCA1	9	107620803	107651476	2	0	0	0	0	0	30673	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:113191422-113234603	exonic	SVEP1	9	113191422	113234603	2	0	0	0	0	0	43181	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:114485293-114491906	exonic	C9orf84	9	114485293	114491906	2	0	0	0	0	0	6613	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:119106821-119109488	exonic	PAPPA	9	119106821	119109488	2	0	0	0	0	0	2667	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:123280704-123292418	exonic	CDK5RAP2	9	123280704	123292418	2	0	0	0	0	0	11714	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:125746763-125772807	exonic	RABGAP1	9	125746763	125772807	2	0	0	0	0	0	26044	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:127670655-127701145	exonic	GOLGA1	9	127670655	127701145	2	0	0	0	0	0	30490	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:135150642-135224822	exonic	SETX	9	135150642	135224822	2	0	0	0	0	0	74180	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:135941916-135942592	exonic	CEL	9	135941916	135942592	2	0	0	0	0	0	676	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:137007070-137007841	exonic	WDR5	9	137007070	137007841	2	0	0	0	0	0	771	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:139571055-139581728	exonic	AGPAT2	9	139571055	139581728	2	0	0	0	0	0	10673	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:15267912-15274710	exonic	TTC39B	9	15267912	15274710	2	0	0	0	0	0	6798	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:17143286-17236586	exonic	CNTLN	9	17143286	17236586	2	0	0	0	0	0	93300	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:17330630-17342442	exonic	CNTLN	9	17330630	17342442	2	0	0	0	0	0	11812	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:20907149-20916936	exonic	FOCAD	9	20907149	20916936	2	0	0	0	0	0	9787	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:33276562-33278095	exonic	CHMP5	9	33276562	33278095	2	0	0	0	0	0	1533	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:33956076-34017187	exonic	UBAP2	9	33956076	34017187	2	0	0	0	0	0	61111	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:3647338-3651867	intergenic	<small>RFX3 (dist=121337), RFX3-AS1 (dist=16219)</small>	9	3647338	3651867	2	0	0	0	0	0	4529	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:37854777-37878456	exonic	DCAF10	9	37854777	37878456	2	0	0	0	0	0	23679	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:72459432-72472893	exonic	C9orf135	9	72459432	72472893	2	0	0	0	0	0	13461	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:74298147-74303414	exonic	TMEM2	9	74298147	74303414	2	0	0	0	0	0	5267	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:77397277-77397769	exonic	TRPM6	9	77397277	77397769	2	0	0	0	0	0	492	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:78547294-78601161	exonic	PCSK5	9	78547294	78601161	2	0	0	0	0	0	53867	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:80409378-80537261	exonic	GNAQ	9	80409378	80537261	2	0	0	0	0	0	127883	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:88496271-88498149	intergenic	<small>LOC389765 (dist=38477), NAA35 (dist=57908)</small>	9	88496271	88498149	2	0	0	0	0	0	1878	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr9:88573386-88577095	exonic	NAA35	9	88573386	88577095	2	0	0	0	0	0	3709	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrMT:9417-9640	intergenic	<small>NONE (dist=NONE), NONE (dist=NONE)</small>	MT	9417	9640	2	0	0	0	0	0	223	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:11385891-11388625	intronic	ARHGAP6	X	11385891	11388625	2	0	0	0	0	0	2734	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:117512382-117532433	exonic	WDR44	X	117512382	117532433	2	0	0	0	0	0	20051	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:123190491-123192102	exonic	STAG2	X	123190491	123192102	2	0	0	0	0	0	1611	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:128250578-128256170	intergenic	<small>ACTRT1 (dist=1064196), SMARCA1 (dist=324308)</small>	X	128250578	128256170	2	0	0	0	0	0	5592	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924

chrX:128691301-128703376	exonic	OCRL	X	128691301	128703376	2	0	0	0	0	0	12075	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:138839966-138857112	exonic	ATP11C	X	138839966	138857112	2	0	0	0	0	0	17146	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:138884394-138908982	exonic	ATP11C	X	138884394	138908982	2	0	0	0	0	0	24588	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:154645236-154649223	intergenic	F8A1 (dist=31786), F8A1 (dist=37352)	X	154645236	154649223	2	0	0	0	0	0	3987	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:1553914-1558037	exonic	ASMTL	X	1553914	1558037	2	0	0	0	0	0	4123	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:32136718-32141511	intronic	DMD	X	32136718	32141511	2	0	0	0	0	0	4793	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:36223073-36385242	exonic	CFAP47	X	36223073	36385242	2	0	0	0	0	0	162169	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:36246744-36385242	exonic	CFAP47	X	36246744	36385242	2	0	0	0	0	0	138498	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:41077624-41082655	exonic	USP9X	X	41077624	41082655	2	0	0	0	0	0	5031	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:56310746-56325867	exonic	KLF8	X	56310746	56325867	2	0	0	0	0	0	15121	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:62917004-62944591	exonic	ARHGEF9	X	62917004	62944591	2	0	0	0	0	0	27587	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:65390399-65413480	exonic	HEPH	X	65390399	65413480	2	0	0	0	0	0	23081	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:70608587-70644088	exonic	TAF1	X	70608587	70644088	2	0	0	0	0	0	35501	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:73045950-73061156	ncRNA_exonic	TSIX, XIST	X	73045950	73061156	2	0	0	0	0	0	15206	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:73178100-73179892	ncRNA_intronic	JPX	X	73178100	73179892	2	0	0	0	0	0	1792	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:74598954-74651355	exonic	ZDHC15	X	74598954	74651355	2	0	0	0	0	0	52401	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:9622254-9665469	exonic	TBL1X	X	9622254	9665469	2	0	0	0	0	0	43215	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chrX:99596900-99658662	exonic	PCDH19	X	99596900	99658662	2	0	0	0	0	0	61762	0.257973886	1.644777126	4.060983436	0.405019413	0.685463242	0.998252924
chr6:69943181-69949118	exonic	ADGRB3	6	69943181	69949118	2	0	3	2	0	0	5937	1.062403732	1.648596179	2.711355647	0.608033911	0.543164983	0.998252924
chr3:195352202-195456610	exonic	MUC20	3	195352202	195456610	18	0	34	0	4	8	104408	11.9787704	1.648619083	2.363640111	0.697491583	0.485495205	0.998252924
chr1:114391161-114397671	exonic	PTPN22	1	114391161	114397671	3	1	7	4	1	0	6510	2.488392768	1.650423956	1.764996025	0.9350865	NA	NA
chr20:45874751-45875261	exonic	ZMYND8	20	45874751	45875261	2	7	0	4	0	0	510	1.90315002	1.650434338	2.232762718	0.739189312	0.45979205	0.998252924
chr10:128840888-128860040	exonic	DOCK1	10	128840888	128860040	4	0	0	1	0	0	19152	0.622259156	1.654220758	3.627480382	0.456024729	NA	NA
chr11:8148205-8161740	exonic	RIC3	11	8148205	8161740	4	0	0	1	0	0	13535	0.622259156	1.654220758	3.627480382	0.456024729	NA	NA
chr15:72855734-72862648	exonic	ARIH1	15	72855734	72862648	4	0	0	1	0	0	6914	0.622259156	1.654220758	3.627480382	0.456024729	NA	NA
chr2:165548730-165586625	exonic	COBLL1	2	165548730	165586625	4	0	0	1	0	0	37895	0.622259156	1.654220758	3.627480382	0.456024729	NA	NA
chr7:155493466-155511137	exonic	RBM33	7	155493466	155511137	4	0	0	1	0	0	17671	0.622259156	1.654220758	3.627480382	0.456024729	NA	NA
chr7:33407378-33427756	exonic	BBS9	7	33407378	33427756	4	0	0	1	0	0	20378	0.622259156	1.654220758	3.627480382	0.456024729	NA	NA
chr17:79813017-79813462	exonic	P4HB	17	79813017	79813462	3	3	0	0	2	0	445	1.151843069	1.658427929	2.622161216	0.632466043	0.52708239	0.998252924
chr2:175740516-175742856	exonic	CHN1	2	175740516	175742856	3	3	0	0	2	0	2340	1.151843069	1.658427929	2.622161216	0.632466043	0.52708239	0.998252924
chr17:62557617-62559084	exonic	SMURF2	17	62557617	62559084	1	3	5	2	2	0	1467	2.092837082	1.668280385	1.850991475	0.901290151	0.367434069	0.998252924
chr11:47380394-47381591	exonic	SPI1	11	47380394	47381591	5	0	1	2	0	0	1197	1.05482651	1.668975141	2.734267471	0.610392055	0.54160213	0.998252924
chr11:118453893-118455359	exonic	ARCNI	11	118453893	118455359	2	2	3	3	0	0	1466	1.517266716	1.670336826	2.192933426	0.761690622	NA	NA
chr8:38677039-38678153	exonic	TACC1	8	38677039	38678153	2	2	3	3	0	0	1114	1.517266716	1.670336826	2.192933426	0.761690622	NA	NA
chr14:35438376-35441270	intergenic	IGRP1P1 (dist=28674), SRP54 (dist=10834)	14	35438376	35441270	0	2	3	0	2	0	2894	1.182413518	1.671027807	2.626072881	0.636321946	0.524566603	0.998252924

chr4:76711302-76711950	exonic	USO1	4	76711302	76711950	0	2	3	0	2	0	648	1.182413518	1.671027807	2.626072881	0.636321946	0.524566603	0.998252924
chr8:59535778-59548105	exonic	NSMAF	8	59535778	59548105	0	2	3	0	2	0	12327	1.182413518	1.671027807	2.626072881	0.636321946	0.524566603	0.998252924
chr1:95609446-95639445	exonic	TMEM56, TMEM56-RWDD3	1	95609446	95639445	4	11	2	3	4	0	29999	3.630563455	1.671461653	1.491537857	1.120629721	NA	NA
chr3:37319925-37321161	intronic	GOLGA4	3	37319925	37321161	0	7	2	2	2	0	1236	2.069146258	1.67239986	2.012559263	0.830981671	0.405983984	0.998252924
chr15:62312677-62336454	exonic	VPS13C	15	62312677	62336454	0	1	5	0	1	1	23777	1.589866957	1.674578917	2.29720678	0.728963075	NA	NA
chr3:185638891-185641772	exonic	TRA2B	3	185638891	185641772	0	1	5	0	1	1	2881	1.589866957	1.674578917	2.29720678	0.728963075	NA	NA
chr17:29483000-29509683	exonic	NF1	17	29483000	29509683	1	2	2	2	0	0	26683	1.084699362	1.675881721	2.499025529	0.670614086	0.502466407	0.998252924
chr4:87614739-87622954	exonic	PTPN13	4	87614739	87622954	1	5	1	3	0	0	8215	1.516569119	1.677146302	2.255592179	0.743550327	NA	NA
chr2:216289816-216299547	exonic	FN1	2	216289816	216299547	0	1	2	0	0	1	9731	0.877032459	1.680976854	3.015860305	0.557378885	0.577268589	0.998252924
chr1:97981281-98015300	exonic	DPYD	1	97981281	98015300	2	4	3	4	0	0	34019	1.972129699	1.6809835	1.997218257	0.841662394	NA	NA
chr3:195016436-195022903	exonic	ACAP2	3	195016436	195022903	0	2	1	1	0	0	6467	0.652132009	1.682310056	3.285067281	0.51210825	0.608575251	0.998252924
chr17:62882203-62888718	exonic	LRRC37A3	17	62882203	62888718	0	1	2	0	1	0	6515	0.689841272	1.683393387	3.220923026	0.52264316	0.6012226	0.998252924
chr6:71185112-71212494	exonic	FAM135A	6	71185112	71212494	0	1	2	0	1	0	27382	0.689841272	1.683393387	3.220923026	0.52264316	0.6012226	0.998252924
chr4:121631463-121742500	exonic	PRDM5	4	121631463	121742500	5	2	1	3	0	0	111037	1.509689493	1.688664808	2.211462832	0.763596287	NA	NA
chr8:618597-624047	exonic	ERICH1	8	618597	624047	18	21	18	21	4	0	5450	12.24904799	1.693198357	1.013060054	1.671370172	NA	NA
chr18:9208655-9239554	exonic	ANKRD12	18	9208655	9239554	0	5	0	2	0	0	30899	1.084001766	1.694040996	2.963614832	0.571613078	NA	NA
chr8:116599227-116632287	exonic	TRPS1	8	116599227	116632287	0	5	0	2	0	0	33060	1.084001766	1.694040996	2.963614832	0.571613078	NA	NA
chr8:72211281-72246409	exonic	EYA1	8	72211281	72246409	0	5	0	2	0	0	35128	1.084001766	1.694040996	2.963614832	0.571613078	NA	NA
chr9:78682870-78722267	exonic	PCSK5	9	78682870	78722267	8	2	1	3	1	0	39397	2.017677743	1.696170308	1.884335325	0.900142499	NA	NA
chr6:108984657-108986092	exonic	FOXO3	6	108984657	108986092	0	8	9	6	2	0	1435	4.049550777	1.701778762	1.60899783	1.057663802	0.290208744	0.998252924
chr1:70761812-70779473	exonic	ANKRD13C	1	70761812	70779473	0	1	4	0	2	0	17661	1.205406745	1.702427051	2.63995187	0.644870488	0.519011118	0.998252924
chr7:140055467-140058585	exonic	SLC37A3	7	140055467	140058585	9	2	0	4	0	0	3118	1.934679624	1.703123953	2.209431031	0.770842778	0.440800128	0.998252924
chr14:31581621-31583546	exonic	HECTD1	14	31581621	31583546	4	2	0	2	0	0	1925	1.077122214	1.703156854	2.68448448	0.634444664	0.525790669	0.998252924
chr5:79974745-80040434	exonic	MSH3	5	79974745	80040434	4	2	0	2	0	0	65689	1.077122214	1.703156854	2.68448448	0.634444664	0.525790669	0.998252924
chr12:116534473-116549317	exonic	MED13L	12	116534473	116549317	4	7	1	5	0	0	14844	2.464704316	1.704162519	1.876125133	0.908341607	0.363697766	0.998252924
chr12:112371689-112381173	exonic	TMEM116	12	112371689	112381173	0	2	5	0	3	0	9484	1.697978991	1.706266834	2.332073543	0.731652241	0.464380854	0.998252924
chr8:71587052-71619388	exonic	XKR9	8	71587052	71619388	12	27	3	0	6	5	32336	9.11235454	1.714443316	1.222410112	1.402510744	0.160762784	0.998252924
chr10:94291504-94297307	exonic	IDE	10	94291504	94297307	3	1	0	0	1	0	5803	0.682264049	1.716578113	3.211599438	0.534493216	0.593000342	0.998252924
chr12:46633461-46648719	exonic	SLC38A1	12	46633461	46648719	3	1	0	0	1	0	15258	0.682264049	1.716578113	3.211599438	0.534493216	0.593000342	0.998252924
chr17:67151159-67152066	exonic	ABCA10	17	67151159	67152066	3	1	0	0	1	0	907	0.682264049	1.716578113	3.211599438	0.534493216	0.593000342	0.998252924
chr17:80861280-80869665	exonic	TBCD	17	80861280	80869665	3	1	0	0	1	0	8385	0.682264049	1.716578113	3.211599438	0.534493216	0.593000342	0.998252924
chr6:117010482-117037481	exonic	KPNA5	6	117010482	117037481	3	1	0	0	1	0	26999	0.682264049	1.716578113	3.211599438	0.534493216	0.593000342	0.998252924
chr12:90013775-90029028	exonic	ATP2B1	12	90013775	90029028	2	2	5	4	0	0	15253	2.018116152	1.718096311	2.000889379	0.858666315	NA	NA
chr16:1004356-1004666	exonic	LMF1	16	1004356	1004666	0	4	1	2	0	0	310	1.106994992	1.719310817	2.707067194	0.635119372	0.525350563	0.998252924
chr12:93221687-93246801	exonic	EEA1	12	93221687	93246801	3	1	0	0	0	1	25114	0.869455236	1.722405395	3.002143519	0.573725202	0.566153772	0.998252924

chr20:31979947-31981872	exonic	CDK5RAP1	20	31979947	31981872	3	1	0	0	0	1	1925	0.869455236	1.722405395	3.002143519	0.573725202	0.566153772	0.998252924
chr6:39893421-39895194	exonic	MOC51	6	39893421	39895194	3	1	0	0	0	1	1773	0.869455236	1.722405395	3.002143519	0.573725202	0.566153772	0.998252924
chr2:106729101-106782539	exonic	UXS1	2	106729101	106782539	4	6	0	4	0	0	53438	1.986848106	1.730749747	2.172568197	0.796637707	0.425661471	0.998252924
chr17:30689932-30695033	exonic	ZNF207	17	30689932	30695033	3	4	1	2	1	0	5101	1.614983242	1.731245189	2.023859894	0.855417509	0.392320054	0.998252924
chr12:28378728-28460682	exonic	CCDC91	12	28378728	28460682	2	0	5	3	0	0	81954	1.563253169	1.73231297	2.382619638	0.727062323	0.467187778	0.998252924
chrX:118774654-118787003	exonic		6-Sep X	118774654	118787003	7	2	4	4	1	0	12349	2.586809262	1.732749284	1.682784847	1.029691518	NA	NA
chr6:150092297-150094305	exonic	PCMT1	6	150092297	150094305	7	2	0	2	1	0	2008	1.58511039	1.733257284	2.191691941	0.790830706	0.429042789	0.998252924
chr1:31437520-31468067	exonic	PUM1	1	31437520	31468067	0	1	2	1	0	0	30547	0.675125235	1.733652207	3.247383769	0.533861204	0.593437566	0.998252924
chr11:3794861-3797251	exonic	NUP98	11	3794861	3797251	0	1	2	1	0	0	2390	0.675125235	1.733652207	3.247383769	0.533861204	0.593437566	0.998252924
chr17:47388673-47395345	exonic	ZNF652	17	47388673	47395345	0	1	2	1	0	0	6672	0.675125235	1.733652207	3.247383769	0.533861204	0.593437566	0.998252924
chr18:77455224-77457988	exonic	CTDP1	18	77455224	77457988	0	1	2	1	0	0	2764	0.675125235	1.733652207	3.247383769	0.533861204	0.593437566	0.998252924
chr22:36919255-36920779	exonic	EIF3D	22	36919255	36920779	0	1	2	1	0	0	1524	0.675125235	1.733652207	3.247383769	0.533861204	0.593437566	0.998252924
chr3:15070092-15071959	exonic	NR2C2	3	15070092	15071959	0	1	2	1	0	0	1867	0.675125235	1.733652207	3.247383769	0.533861204	0.593437566	0.998252924
chr11:77043774-77064644	exonic	PAK1	11	77043774	77064644	0	0	3	0	0	1	20870	0.900025685	1.734134161	3.23921159	0.535356865	NA	NA
chr15:41648236-41669502	exonic	NUSAP1	15	41648236	41669502	0	0	3	0	0	1	21266	0.900025685	1.734134161	3.23921159	0.535356865	NA	NA
chr5:43122140-43139411	exonic	ZNF131	5	43122140	43139411	0	0	3	0	0	1	17271	0.900025685	1.734134161	3.23921159	0.535356865	NA	NA
chr6:84108085-84117620	exonic	ME1	6	84108085	84117620	6	1	0	0	2	0	9535	1.190252299	1.735134029	2.628511647	0.66012035	0.5091766	0.998252924
chr1:187272597-187298192	ncRNA_exonic	LINC01036	1	187272597	187298192	0	0	3	0	1	0	25595	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr1:213037066-213046160	exonic	FLVCR1	1	213037066	213046160	0	0	3	0	1	0	9094	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr1:22077999-22084276	exonic	USP48	1	22077999	22084276	0	0	3	0	1	0	6277	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr11:111907996-111914257	exonic	DLAT	11	111907996	111914257	0	0	3	0	1	0	6261	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr11:73914772-73915490	exonic	PPME1	11	73914772	73915490	0	0	3	0	1	0	718	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr12:101750331-101760477	exonic	UTP20	12	101750331	101760477	0	0	3	0	1	0	10146	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr13:100959445-100992513	exonic	PCCA	13	100959445	100992513	0	0	3	0	1	0	33068	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr14:81209418-81227957	exonic	CEP128	14	81209418	81227957	0	0	3	0	1	0	18539	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr15:41648236-41668026	exonic	NUSAP1	15	41648236	41668026	0	0	3	0	1	0	19790	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr2:173423435-173429801	exonic	PDK1	2	173423435	173429801	0	0	3	0	1	0	6366	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr3:138244331-138291774	exonic	CEP70	3	138244331	138291774	0	0	3	0	1	0	47443	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr3:180651121-180653019	exonic	FXR1	3	180651121	180653019	0	0	3	0	1	0	1898	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr3:29977576-30032700	exonic	RBMS3	3	29977576	30032700	0	0	3	0	1	0	55124	0.712834498	1.737037439	3.467694972	0.500919906	NA	NA
chr1:98144650-98165103	exonic	DPYD	1	98144650	98165103	3	3	2	2	1	0	20453	1.637976469	1.74959414	1.988840765	0.87970549	0.379018875	0.998252924
chr1:243776972-244006584	exonic	AKT3	1	243776972	244006584	9	3	6	6	1	0	229612	3.626219768	1.753616325	1.491489532	1.175748329	NA	NA
chr11:13435076-13443385	exonic	BTBD10	11	13435076	13443385	6	4	7	5	0	1	8309	3.691683566	1.756861529	1.494221745	1.175770286	0.239686683	0.998252924
chr10:12123470-12162266	exonic	DHTKD1	10	12123470	12162266	3	11	0	4	5	0	38796	2.765428748	1.759085931	1.869714799	0.940831153	NA	NA
chr6:76368977-76388643	exonic	SENP6	6	76368977	76388643	3	2	2	1	0	1	19666	1.544580471	1.761633293	2.089595848	0.843049767	0.399200611	0.998252924

chr8:141749116-141762415	exonic	PTK2	8	141749116	141762415	11	1	2	5	0	0	13299	2.519227146	1.763239831	1.888577402	0.933633871	NA	NA
chr1:150416726-150418877	exonic	RPRD2	1	150416726	150418877	3	0	1	0	1	0	2151	0.705257276	1.76512079	3.176498001	0.555681379	0.578428688	0.998252924
chr17:35603741-35609962	exonic	ACACA	17	35603741	35609962	3	0	1	0	1	0	6221	0.705257276	1.76512079	3.176498001	0.555681379	0.578428688	0.998252924
chr17:49278952-49280589	exonic	MBTD1	17	49278952	49280589	3	0	1	0	1	0	1637	0.705257276	1.76512079	3.176498001	0.555681379	0.578428688	0.998252924
chr17:58700881-58711338	exonic	PPM1D	17	58700881	58711338	3	0	1	0	1	0	10457	0.705257276	1.76512079	3.176498001	0.555681379	0.578428688	0.998252924
chr2:32703702-32718734	exonic	BIRC6	2	32703702	32718734	3	0	1	0	1	0	15032	0.705257276	1.76512079	3.176498001	0.555681379	0.578428688	0.998252924
chr3:185155234-185184751	exonic	MAP3K13	3	185155234	185184751	3	0	1	0	1	0	29517	0.705257276	1.76512079	3.176498001	0.555681379	0.578428688	0.998252924
chr11:60899892-60906307	exonic	VPS37C	11	60899892	60906307	4	0	2	2	0	0	6415	1.123108592	1.765537859	2.651024685	0.665983183	0.505421849	0.998252924
chr10:7816793-7822270	exonic	KIN	10	7816793	7822270	3	1	0	1	0	0	5477	0.667548013	1.765911989	3.238600153	0.545270149	0.585567731	0.998252924
chr11:75590922-75623083	exonic	UVRAG	11	75590922	75623083	3	1	0	1	0	0	32161	0.667548013	1.765911989	3.238600153	0.545270149	0.585567731	0.998252924
chr2:168986050-169038600	exonic	STK39	2	168986050	169038600	3	1	0	1	0	0	52550	0.667548013	1.765911989	3.238600153	0.545270149	0.585567731	0.998252924
chr1:94360169-94363454	exonic	GCLM	1	94360169	94363454	3	0	1	0	0	1	3285	0.892448463	1.769362511	2.978170465	0.594110556	0.552438171	0.998252924
chr15:86205618-86236682	exonic	AKAP13	15	86205618	86236682	2	2	2	0	2	0	31064	1.243118378	1.775721999	2.361415141	0.751973665	0.452066896	0.998252924
chr15:86207793-86236682	exonic	AKAP13	15	86207793	86236682	2	2	2	0	2	0	28889	1.243118378	1.775721999	2.361415141	0.751973665	0.452066896	0.998252924
chr18:51797729-51810383	exonic	POLI	18	51797729	51810383	8	3	3	3	2	0	12654	2.707519015	1.777528351	1.621800934	1.09602129	0.273069458	0.998252924
chr8:71550050-71553285	exonic	LACTB2	8	71550050	71553285	0	4	3	3	0	0	3235	1.607844428	1.779525958	2.352911416	0.756308098	NA	NA
chr11:118425173-118430579	exonic	IFT46	11	118425173	118430579	0	2	3	2	0	0	5406	1.152981445	1.780531011	2.646817902	0.672706275	0.501134175	0.998252924
chr9:77631183-77632364	exonic	CARNMT1	9	77631183	77632364	8	2	2	1	3	0	1181	2.244378842	1.786408479	1.794479541	0.995502283	0.319492035	0.998252924
chr1:229584872-229601266	exonic	NUP133	1	229584872	229601266	0	0	3	1	0	0	16394	0.698118462	1.789722642	3.496236474	0.511899768	NA	NA
chr11:68318588-68338572	exonic	PPP6R3	11	68318588	68338572	0	0	3	1	0	0	19984	0.698118462	1.789722642	3.496236474	0.511899768	NA	NA
chr2:242092890-242109282	exonic	PPP1R7	2	242092890	242109282	0	0	3	1	0	0	16392	0.698118462	1.789722642	3.496236474	0.511899768	NA	NA
chr3:135979320-135980907	exonic	PCCB	3	135979320	135980907	0	0	3	1	0	0	1587	0.698118462	1.789722642	3.496236474	0.511899768	NA	NA
chrX:135814260-135829751	exonic	ARHGEF6	X	135814260	135829751	0	0	3	1	0	0	15491	0.698118462	1.789722642	3.496236474	0.511899768	NA	NA
chr3:171965322-172013304	exonic	FNDC3B	3	171965322	172013304	2	0	0	2	2	0	47982	1.729249407	1.791678539	2.373067964	0.755005152	NA	NA
chr6:28239631-28240564	exonic	ZSCAN26	6	28239631	28240564	3	0	3	1	1	0	933	1.206106712	1.797745295	2.42258478	0.742077351	0.458040472	0.998252924
chr1:22404921-22413359	exonic	CDC42	1	22404921	22413359	2	12	6	4	4	0	8438	4.442252855	1.802177618	1.404138328	1.283475839	0.199325419	0.998252924
chr4:151388824-151412187	exonic	LRBA	4	151388824	151412187	0	9	0	4	0	0	23363	1.993727732	1.808796573	3.85896381	0.468725975	NA	NA
chr18:33606862-33613800	exonic	RPRD1A	18	33606862	33613800	5	8	3	4	2	0	6938	3.298248567	1.809438976	1.512643773	1.196209583	0.231614782	0.998252924
chr1:10032075-10035833	exonic	NMNAT1	1	10032075	10035833	1	1	0	0	0	0	3758	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:109525230-109529302	exonic	WDR47	1	109525230	109529302	1	1	0	0	0	0	4072	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:156011275-156021648	exonic	UBQLN4	1	156011275	156021648	1	1	0	0	0	0	10373	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:179959641-179983640	exonic	CEP350	1	179959641	179983640	1	1	0	0	0	0	23999	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:201454410-201459472	exonic	CSRP1	1	201454410	201459472	1	1	0	0	0	0	5062	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:2077465-2082417	exonic	PRKCZ	1	2077465	2082417	1	1	0	0	0	0	4952	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:208383624-208391347	exonic	PLXNA2	1	208383624	208391347	1	1	0	0	0	0	7723	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924

chr1:224588651-224592272	exonic	WDR26	1	224588651	224592272	1	1	0	0	0	0	3621	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:225195114-225284941	exonic	DNAH14	1	225195114	225284941	1	1	0	0	0	0	89827	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:235582787-235597595	exonic	TBCE	1	235582787	235597595	1	1	0	0	0	0	14808	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:29010094-29018221	exonic	GMEB1	1	29010094	29018221	1	1	0	0	0	0	8127	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:38446257-38450451	exonic	SF3A3	1	38446257	38450451	1	1	0	0	0	0	4194	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr1:97915614-98015300	exonic	DPYD	1	97915614	98015300	1	1	0	0	0	0	99686	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr10:103783233-103789502	exonic	C10orf76	10	103783233	103789502	1	1	0	0	0	0	6269	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr10:18183138-18189882	exonic	MRC1	10	18183138	18189882	1	1	0	0	0	0	6744	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr10:32580090-32582665	exonic	EPC1	10	32580090	32582665	1	1	0	0	0	0	2575	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr10:93902785-93904869	exonic	CPEB3	10	93902785	93904869	1	1	0	0	0	0	2084	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr11:103187273-103194718	exonic	DYNC2H1	11	103187273	103194718	1	1	0	0	0	0	7445	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr11:120310837-120348235	exonic	ARHGEF12	11	120310837	120348235	1	1	0	0	0	0	37398	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr11:20075625-20089944	exonic	NAV2	11	20075625	20089944	1	1	0	0	0	0	14319	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr11:47837030-47841010	exonic	NUP160	11	47837030	47841010	1	1	0	0	0	0	3980	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr11:8728631-8734282	exonic	ST5	11	8728631	8734282	1	1	0	0	0	0	5651	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr12:109926376-109945540	exonic	UBE3B	12	109926376	109945540	1	1	0	0	0	0	19164	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr12:51207792-51208222	exonic	ATF1	12	51207792	51208222	1	1	0	0	0	0	430	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr12:514676-527802	exonic	CCDC77	12	514676	527802	1	1	0	0	0	0	13126	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr12:57928838-57929628	exonic	DCTN2	12	57928838	57929628	1	1	0	0	0	0	790	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr13:47266670-47303119	exonic	LRCH1	13	47266670	47303119	1	1	0	0	0	0	36449	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr14:35055435-35078948	exonic	SNX6	14	35055435	35078948	1	1	0	0	0	0	23513	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr14:35072553-35078948	exonic	SNX6	14	35072553	35078948	1	1	0	0	0	0	6395	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr14:76241826-76243193	exonic	TTLL5	14	76241826	76243193	1	1	0	0	0	0	1367	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr14:76638185-76647192	exonic	GPATCH2L	14	76638185	76647192	1	1	0	0	0	0	9007	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr15:100739522-100871259	exonic	ADAMTS17	15	100739522	100871259	1	1	0	0	0	0	131737	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr15:25599499-25657118	exonic	UBE3A	15	25599499	25657118	1	1	0	0	0	0	57619	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr15:40005644-40034101	exonic	FSIP1	15	40005644	40034101	1	1	0	0	0	0	28457	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr15:64039116-64040057	exonic	HERC1	15	64039116	64040057	1	1	0	0	0	0	941	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr15:83481854-83492039	exonic	WHAMM	15	83481854	83492039	1	1	0	0	0	0	10185	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr16:48581917-48596355	exonic	N4BP1	16	48581917	48596355	1	1	0	0	0	0	14438	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr16:68215377-68225678	exonic	NFATC3	16	68215377	68225678	1	1	0	0	0	0	10301	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr17:45741524-45748198	exonic	KPNB1	17	45741524	45748198	1	1	0	0	0	0	6674	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr17:58531662-58538148	exonic	APPBP2	17	58531662	58538148	1	1	0	0	0	0	6486	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr17:79577235-79580520	exonic	NPLOC4	17	79577235	79580520	1	1	0	0	0	0	3285	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr18:23895192-23915195	exonic	TAF4B	18	23895192	23915195	1	1	0	0	0	0	20003	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924

chr18:9577061-9595151	exonic	PPP4R1	18	9577061	9595151	1	1	0	0	0	0	18090	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr19:11170428-11170863	exonic	SMARCA4	19	11170428	11170863	1	1	0	0	0	0	435	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr19:42872606-42873154	exonic	MEGF8	19	42872606	42873154	1	1	0	0	0	0	548	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:138758487-138762795	exonic	HNMT	2	138758487	138762795	1	1	0	0	0	0	4308	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:152293340-152303089	exonic	RIF1	2	152293340	152303089	1	1	0	0	0	0	9749	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:159077106-159170406	exonic	CCDC148	2	159077106	159170406	1	1	0	0	0	0	93300	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:170338760-170356130	exonic	BBS5	2	170338760	170356130	1	1	0	0	0	0	17370	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:214174782-214204994	exonic	SPAG16	2	214174782	214204994	1	1	0	0	0	0	30212	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:54163223-54164677	exonic	PSME4	2	54163223	54164677	1	1	0	0	0	0	1454	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:71575882-71597135	exonic	ZNF638	2	71575882	71597135	1	1	0	0	0	0	21253	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr2:84668170-84676876	exonic	SUCLG1	2	84668170	84676876	1	1	0	0	0	0	8706	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr20:3329171-3363153	exonic	C20orf194	20	3329171	3363153	1	1	0	0	0	0	33982	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr20:40161688-40162209	exonic	CHD6	20	40161688	40162209	1	1	0	0	0	0	521	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr20:43623730-43629994	exonic	STK4	20	43623730	43629994	1	1	0	0	0	0	6264	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr20:44477088-44483931	exonic	ACOT8	20	44477088	44483931	1	1	0	0	0	0	6843	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr20:45852969-45858552	exonic	ZMYND8	20	45852969	45858552	1	1	0	0	0	0	5583	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr21:32537278-32575328	exonic	TIAM1	21	32537278	32575328	1	1	0	0	0	0	38050	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr3:130881251-130962340	exonic	NEK11	3	130881251	130962340	1	1	0	0	0	0	81089	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr3:13393378-13395607	exonic	NUP210	3	13393378	13395607	1	1	0	0	0	0	2229	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr3:138407716-138413749	exonic	PIK3CB	3	138407716	138413749	1	1	0	0	0	0	6033	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr3:23996027-24001306	exonic	NR1D2	3	23996027	24001306	1	1	0	0	0	0	5279	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr3:50677796-50679763	exonic	MAPKAPK3	3	50677796	50679763	1	1	0	0	0	0	1967	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr4:2877622-2886393	exonic	ADD1	4	2877622	2886393	1	1	0	0	0	0	8771	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr4:36109186-36122948	exonic	ARAP2	4	36109186	36122948	1	1	0	0	0	0	13762	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr4:83778841-83803093	exonic	SEC31A	4	83778841	83803093	1	1	0	0	0	0	24252	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr5:172507587-172550205	exonic	CREBRF	5	172507587	172550205	1	1	0	0	0	0	42618	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr5:93964515-93966448	exonic	SLF1	5	93964515	93966448	1	1	0	0	0	0	1933	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr6:127469792-127476583	exonic	RSPO3	6	127469792	127476583	1	1	0	0	0	0	6791	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr6:138528178-138531178	exonic	ARFGEF3	6	138528178	138531178	1	1	0	0	0	0	3000	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr6:168323535-168352867	exonic	MLLT4	6	168323535	168352867	1	1	0	0	0	0	29332	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr6:24475348-24480187	exonic	GPLD1	6	24475348	24480187	1	1	0	0	0	0	4839	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr6:42583739-42600642	exonic	UBR2	6	42583739	42600642	1	1	0	0	0	0	16903	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr6:57006099-57017149	exonic	ZNF451	6	57006099	57017149	1	1	0	0	0	0	11050	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr7:157013382-157024021	exonic	UBE3C	7	157013382	157024021	1	1	0	0	0	0	10639	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr7:27934838-28031600	exonic	JAZF1	7	27934838	28031600	1	1	0	0	0	0	96762	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924

chr7:33055281-33075600	exonic	NT5C3A	7	33055281	33075600	1	1	0	0	0	0	20319	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr7:44026199-44027846	ncRNA_exonic	POLR2J4	7	44026199	44027846	1	1	0	0	0	0	1647	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr7:5413685-5417655	exonic	TNRC18	7	5413685	5417655	1	1	0	0	0	0	3970	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr7:716865-720363	exonic	PRKAR1B	7	716865	720363	1	1	0	0	0	0	3498	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr7:72302181-72304508	ncRNA_exonic	SBDSP1	7	72302181	72304508	1	1	0	0	0	0	2327	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr8:141710989-141727808	exonic	PTK2	8	141710989	141727808	1	1	0	0	0	0	16819	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr8:38975604-39068843	exonic	ADAM32	8	38975604	39068843	1	1	0	0	0	0	93239	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr9:100190741-100204157	exonic	TDRD7	9	100190741	100204157	1	1	0	0	0	0	13416	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr9:100416079-100418367	exonic	NCBP1	9	100416079	100418367	1	1	0	0	0	0	2288	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chrX:117575330-117577650	exonic	WDR44	X	117575330	117577650	1	1	0	0	0	0	2320	0.303262742	1.80986109	4.048701663	0.447022587	0.654858752	0.998252924
chr11:6962802-6977013	exonic	ZNF215	11	6962802	6977013	0	0	8	4	0	0	14211	2.003397745	1.811543369	3.858909266	0.469444406	NA	NA
chr1:65095037-65107652	exonic	CACHD1	1	65095037	65107652	3	0	1	1	0	0	12615	0.690541239	1.814266625	3.202273925	0.566555725	0.571016063	0.998252924
chr6:144808683-144852338	exonic	UTRN	6	144808683	144852338	3	0	1	1	0	0	43655	0.690541239	1.814266625	3.202273925	0.566555725	0.571016063	0.998252924
chr7:48450116-48452180	exonic	ABCA13	7	48450116	48452180	3	0	1	1	0	0	2064	0.690541239	1.814266625	3.202273925	0.566555725	0.571016063	0.998252924
chr1:243468014-243581378	exonic	SDCCAG8	1	243468014	243581378	2	2	0	0	1	0	113364	0.727552906	1.815883438	3.124926245	0.581096415	0.561175475	0.998252924
chr15:56686362-56687032	exonic	TEX9	15	56686362	56687032	2	2	0	0	1	0	670	0.727552906	1.815883438	3.124926245	0.581096415	0.561175475	0.998252924
chr17:29119457-29120690	exonic	CRLF3	17	29119457	29120690	2	2	0	0	1	0	1233	0.727552906	1.815883438	3.124926245	0.581096415	0.561175475	0.998252924
chr17:56772291-56787351	exonic	RAD51C	17	56772291	56787351	2	2	0	0	1	0	15060	0.727552906	1.815883438	3.124926245	0.581096415	0.561175475	0.998252924
chr3:37089009-37090508	exonic	MLH1	3	37089009	37090508	2	2	0	0	1	0	1499	0.727552906	1.815883438	3.124926245	0.581096415	0.561175475	0.998252924
chr2:55252221-55255356	exonic	RTN4	2	55252221	55255356	18	0	4	8	0	0	3135	3.961332153	1.816988535	2.747433706	0.661340265	0.508394125	0.998252924
chr8:478895-481576	intronic	TDRP	8	478895	481576	13	0	5	2	4	0	2681	3.359907841	1.817741596	1.685460806	1.078483456	0.280818061	0.998252924
chr10:74322652-74326552	exonic	MICU1	10	74322652	74326552	3	2	3	3	0	0	3900	1.646253659	1.818762534	2.122837131	0.85676028	NA	NA
chr3:179481789-179483636	exonic	USP13	3	179481789	179483636	5	3	3	3	1	0	1847	2.199530765	1.818970173	1.777127079	1.023545359	0.306050065	0.998252924
chr1:225372992-225394922	exonic	DNAH14	1	225372992	225394922	2	2	0	0	0	1	21930	0.914744093	1.819407159	2.936649177	0.619552098	NA	NA
chr9:20715320-20740339	exonic	FOCAD	9	20715320	20740339	2	2	0	0	0	1	25019	0.914744093	1.819407159	2.936649177	0.619552098	NA	NA
chr10:16526335-16528616	exonic	PTER	10	16526335	16528616	2	2	2	1	1	0	2281	1.228402342	1.822702123	2.23400106	0.815891342	0.414562284	0.998252924
chr22:28910745-28915308	intronic	TTC28	22	28910745	28915308	2	12	3	7	0	0	4563	3.685270247	1.826840976	1.66786119	1.095319555	NA	NA
chr1:24140679-24147083	exonic	HMGCL	1	24140679	24147083	2	4	0	2	0	0	6404	1.167699852	1.829572624	2.621116338	0.69801275	0.48516922	0.998252924
chr9:130594677-130595493	intronic	ENG	9	130594677	130595493	2	4	0	2	0	0	816	1.167699852	1.829572624	2.621116338	0.69801275	0.48516922	0.998252924
chr14:106053891-106173899	ncRNA_exonic	ELK2AP, MIR8071-1, MIR8071-2	14	106053891	106173899	235	165	131	86	0	48	120008	108.8469531	1.831648686	1.63249179	1.12199565	NA	NA
chr1:229593907-229601266	exonic	NUP133	1	229593907	229601266	2	0	4	0	2	0	7359	1.289104831	1.834973076	2.546852645	0.72048655	0.471225478	0.998252924
chr12:107236366-107237725	exonic	RIC8B	12	107236366	107237725	2	0	4	0	2	0	1359	1.289104831	1.834973076	2.546852645	0.72048655	0.471225478	0.998252924
chr20:35539620-35540955	exonic	SAMHD1	20	35539620	35540955	1	2	4	0	1	1	1335	1.695860674	1.841203212	2.074882771	0.887376982	0.374875972	0.998252924
chr6:83667030-83754378	exonic	UBE3D	6	83667030	83754378	5	5	1	4	0	0	87348	2.138828275	1.842155578	1.962252994	0.938796161	NA	NA
chr1:92327028-92329836	exonic	TGFBR3	1	92327028	92329836	5	6	0	4	0	0	2808	2.115835049	1.842748558	2.126406423	0.866602235	0.386159989	0.998252924

chr18:60206913-60242783	exonic	ZCCHC2	18	60206913	60242783	4	3	0	0	3	0	35870	1.280830012	1.851646592	2.526437665	0.732908085	0.463614491	0.998252924
chr6:25551137-25557078	exonic	LRRC16A	6	25551137	25557078	2	3	1	2	0	0	5941	1.190693079	1.852396082	2.412102625	0.767959067	0.442511504	0.998252924
chrX:17151946-17157084	exonic	REPS2	X	17151946	17157084	2	3	1	2	0	0	5138	1.190693079	1.852396082	2.412102625	0.767959067	0.442511504	0.998252924
chr6:107824860-107827631	exonic	SOBP	6	107824860	107827631	8	3	3	3	0	1	2771	2.77368278	1.854248885	1.663184898	1.11487838	0.264902542	0.998252924
chr10:75234676-75239275	exonic	PPP3CB	10	75234676	75239275	1	2	5	1	2	0	4599	1.812249897	1.858104872	1.987378811	0.934952542	0.349812757	0.998252924
chr15:41988272-41989221	exonic	MGA	15	41988272	41989221	4	4	0	1	0	1	949	1.627580961	1.860349929	2.212568118	0.840810239	0.40045425	0.998252924
chr14:39623414-39628754	exonic	TRAPPC6B	14	39623414	39628754	2	3	3	3	0	0	5340	1.691542515	1.861211559	2.109380207	0.882349968	NA	NA
chr1:145594038-145595220	exonic	POLR3C	1	145594038	145595220	4	1	4	0	3	0	1182	1.842381938	1.861852475	2.076968644	0.896427821	0.370024314	0.998252924
chr2:215632205-215657169	exonic	BARB1	2	215632205	215657169	1	5	1	0	2	4	24964	0.750546132	1.864184955	2.877543766	0.647838958	0.517089115	0.998252924
chr14:75567694-75570700	exonic	NEK9	14	75567694	75570700	2	2	0	1	0	0	3006	0.712836869	1.864561036	3.149668667	0.591986407	0.553859691	0.998252924
chr4:87593517-87614827	exonic	PTPN13	4	87593517	87614827	2	2	0	1	0	0	21310	0.712836869	1.864561036	3.149668667	0.591986407	0.553859691	0.998252924
chr7:50737418-50823753	exonic	GRB10	7	50737418	50823753	2	2	0	1	0	0	86335	0.712836869	1.864561036	3.149668667	0.591986407	0.553859691	0.998252924
chr13:25049609-25052414	exonic	PARP4	13	25049609	25052414	2	2	2	2	0	0	2805	1.213686305	1.879248045	2.379139614	0.789885568	0.4295946	0.998252924
chr17:53150260-53158544	exonic	STXBP4	17	53150260	53158544	2	2	4	3	0	0	8284	1.714535741	1.882008435	2.111399203	0.891356041	NA	NA
chr17:26490568-26499644	exonic	NLK	17	26490568	26499644	3	5	5	0	1	2	9076	2.982149591	1.886046796	1.673589871	1.126946827	0.259764963	0.998252924
chr7:24663284-24690331	exonic	MPP6	7	24663284	24690331	3	4	2	1	2	0	27047	1.826968304	1.889415662	1.923770056	0.982142152	0.326029822	0.998252924
chr9:123593608-123595734	exonic	PSMD5	9	123593608	123595734	9	0	1	3	0	0	2126	1.677085666	1.897434003	2.35384052	0.806101343	NA	NA
chr1:10318550-10328321	exonic	KIF1B	1	10318550	10328321	1	0	1	0	0	0	9771	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:109642814-109643234	ncRNA_exonic	SCARNA2	1	109642814	109643234	1	0	1	0	0	0	420	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:1192371-1198766	exonic	UBE2J2	1	1192371	1198766	1	0	1	0	0	0	6395	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:151400298-151403317	exonic	POGZ	1	151400298	151403317	1	0	1	0	0	0	3019	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:160593885-160604687	exonic	SLAMF1	1	160593885	160604687	1	0	1	0	0	0	10802	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:236332005-236347206	exonic	GPR137B	1	236332005	236347206	1	0	1	0	0	0	15201	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:243736227-244006584	exonic	AKT3	1	243736227	244006584	1	0	1	0	0	0	270357	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:243776972-243801044	exonic	AKT3	1	243776972	243801044	1	0	1	0	0	0	24072	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr1:86818541-86820375	exonic	ODF2L	1	86818541	86820375	1	0	1	0	0	0	1834	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr10:12009339-12056183	exonic	UPF2	10	12009339	12056183	1	0	1	0	0	0	46844	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr10:72489049-72490005	exonic	ADAMTS14	10	72489049	72490005	1	0	1	0	0	0	956	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr10:7285519-7318951	exonic	SFMBT2	10	7285519	7318951	1	0	1	0	0	0	33432	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr10:81813151-81820689	ncRNA_exonic	TMEM254-AS1	10	81813151	81820689	1	0	1	0	0	0	7538	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr11:103086449-103093815	exonic	DYNC2H1	11	103086449	103093815	1	0	1	0	0	0	7366	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr11:11454167-11470483	exonic	GALNT18	11	11454167	11470483	1	0	1	0	0	0	16316	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr11:4091255-4095909	exonic	STIM1	11	4091255	4095909	1	0	1	0	0	0	4654	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr11:66515849-66595835	exonic	C11orf80	11	66515849	66595835	1	0	1	0	0	0	79986	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr11:77649696-77652297	exonic	INTS4	11	77649696	77652297	1	0	1	0	0	0	2601	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924

chr11:93528073-93530885	exonic	MED17	11	93528073	93530885	1	0	1	0	0	0	2812	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr11:94554695-94564707	exonic	AMOTL1	11	94554695	94564707	1	0	1	0	0	0	10012	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr12:110463546-110468563	exonic	ANKRD13A	12	110463546	110468563	1	0	1	0	0	0	5017	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr12:122468605-122481959	exonic	BCL7A	12	122468605	122481959	1	0	1	0	0	0	13354	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr12:124130001-124137282	exonic	GTF2H3	12	124130001	124137282	1	0	1	0	0	0	7281	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr12:30822116-30829521	exonic	IPO8	12	30822116	30829521	1	0	1	0	0	0	7405	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr12:49854552-49893988	exonic	SPATS2	12	49854552	49893988	1	0	1	0	0	0	39436	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr13:42439871-42465723	exonic	VWA8	13	42439871	42465723	1	0	1	0	0	0	25852	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr13:53231666-53233384	exonic	SUGT1	13	53231666	53233384	1	0	1	0	0	0	1718	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr13:95768175-95822882	exonic	ABCC4	13	95768175	95822882	1	0	1	0	0	0	54707	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr14:31813101-31844174	exonic	HEATR5A	14	31813101	31844174	1	0	1	0	0	0	31073	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr14:35276656-35295362	exonic	BAZ1A	14	35276656	35295362	1	0	1	0	0	0	18706	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr14:39647044-39648666	exonic	PNN	14	39647044	39648666	1	0	1	0	0	0	1622	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr14:50069087-50074839	exonic	LRR1	14	50069087	50074839	1	0	1	0	0	0	5752	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr14:72054287-72056087	exonic	SIPAL1	14	72054287	72056087	1	0	1	0	0	0	1800	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr14:75567694-75568468	exonic	NEK9	14	75567694	75568468	1	0	1	0	0	0	774	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr15:57523349-57555472	exonic	TCF12	15	57523349	57555472	1	0	1	0	0	0	32123	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr15:66015185-66031213	exonic	DENND4A	15	66015185	66031213	1	0	1	0	0	0	16028	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr16:25172422-25180534	exonic	LCMT1	16	25172422	25180534	1	0	1	0	0	0	8112	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr16:29332248-29376380	ncRNA_exonic	SNX29P2	16	29332248	29376380	1	0	1	0	0	0	44132	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr16:70575571-70582345	exonic	SF3B3	16	70575571	70582345	1	0	1	0	0	0	6774	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr17:33747292-33750087	exonic	SLFN12	17	33747292	33750087	1	0	1	0	0	0	2795	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr17:4192524-4200109	exonic	UBE2G1	17	4192524	4200109	1	0	1	0	0	0	7585	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr17:66426136-66430767	exonic	WIPI1	17	66426136	66430767	1	0	1	0	0	0	4631	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr18:2738394-2739518	exonic	SMCHD1	18	2738394	2739518	1	0	1	0	0	0	1124	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr18:67562936-67563281	exonic	CD226	18	67562936	67563281	1	0	1	0	0	0	345	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr18:74587447-74593468	exonic	ZNF236	18	74587447	74593468	1	0	1	0	0	0	6021	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr19:49378155-49378791	exonic	PPP1R15A	19	49378155	49378791	1	0	1	0	0	0	636	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr19:7625533-7626203	exonic	PNPLA6	19	7625533	7626203	1	0	1	0	0	0	670	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:128855002-128896426	exonic	UGGT1	2	128855002	128896426	1	0	1	0	0	0	41424	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:144193169-144314054	exonic	ARHGAP15	2	144193169	144314054	1	0	1	0	0	0	120885	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:183866680-183888644	exonic	NCKAP1	2	183866680	183888644	1	0	1	0	0	0	21964	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:202400743-202446940	exonic	ALS2CR11	2	202400743	202446940	1	0	1	0	0	0	46197	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:213914436-213921823	exonic	IKZF2	2	213914436	213921823	1	0	1	0	0	0	7387	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:68729862-68753374	exonic	APLF	2	68729862	68753374	1	0	1	0	0	0	23512	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924

chr2:74531615-74542152	exonic	SLC4A5	2	74531615	74542152	1	0	1	0	0	0	10537	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr2:99938417-99944116	exonic	TXNDC9	2	99938417	99944116	1	0	1	0	0	0	5699	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr20:35467619-35467844	exonic	SOGA1	20	35467619	35467844	1	0	1	0	0	0	225	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr3:7494293-7503409	exonic	GRM7	3	7494293	7503409	1	0	1	0	0	0	9116	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr4:102776191-102791801	exonic	BANK1	4	102776191	102791801	1	0	1	0	0	0	15610	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr4:108614926-108622441	exonic	PAPSS1	4	108614926	108622441	1	0	1	0	0	0	7515	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr4:151656409-151770150	exonic	LRBA	4	151656409	151770150	1	0	1	0	0	0	113741	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr4:169321976-169379159	exonic	DDX60L	4	169321976	169379159	1	0	1	0	0	0	57183	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr4:2659529-2702271	exonic	FAM193A	4	2659529	2702271	1	0	1	0	0	0	42742	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr5:112868575-112871495	exonic	YTHDC2	5	112868575	112871495	1	0	1	0	0	0	2920	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr6:101214440-101296583	exonic	ASCC3	6	101214440	101296583	1	0	1	0	0	0	82143	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr6:117861830-117864374	exonic	DCBLD1	6	117861830	117864374	1	0	1	0	0	0	2544	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr6:159026298-159029782	exonic	TMEM181	6	159026298	159029782	1	0	1	0	0	0	3484	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr6:38560351-38565897	exonic	BTBD9	6	38560351	38565897	1	0	1	0	0	0	5546	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr6:86227473-86253478	exonic	SNX14	6	86227473	86253478	1	0	1	0	0	0	26005	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr7:77236551-77247882	exonic	PTPN12	7	77236551	77247882	1	0	1	0	0	0	11331	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr7:77549595-77552095	exonic	PHTF2	7	77549595	77552095	1	0	1	0	0	0	2500	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr7:92881965-92963509	exonic	VPS50	7	92881965	92963509	1	0	1	0	0	0	81544	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr8:23291829-23297428	exonic	ENTPD4	8	23291829	23297428	1	0	1	0	0	0	5599	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr8:29927157-29927575	exonic	SARAF	8	29927157	29927575	1	0	1	0	0	0	418	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr8:98725889-98735263	exonic	MTDH	8	98725889	98735263	1	0	1	0	0	0	9374	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr9:118969734-118997916	exonic	PAPPA	9	118969734	118997916	1	0	1	0	0	0	28182	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr9:130980509-130981531	exonic	DNM1	9	130980509	130981531	1	0	1	0	0	0	1022	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr9:135782117-135782757	exonic	TSC1	9	135782117	135782757	1	0	1	0	0	0	640	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr9:20819794-20874806	exonic	FOCAD	9	20819794	20874806	1	0	1	0	0	0	55012	0.326255968	1.89749569	4.04050233	0.469618759	0.63862742	0.998252924
chr10:74906033-74923708	exonic	ECD	10	74906033	74923708	5	2	0	2	0	0	17675	1.206109082	1.902685211	2.584449774	0.736205141	0.461605864	0.998252924
chr1:87181406-87188356	exonic	SH3GLB1	1	87181406	87188356	2	7	0	1	2	0	6950	1.826270708	1.903870757	2.120454799	0.897859628	0.36926039	0.998252924
chr12:19511161-19519043	exonic	PLEKHA5	12	19511161	19519043	2	0	2	0	1	0	7882	0.773539358	1.905635731	3.063094992	0.622127533	0.533858012	0.998252924
chr4:128584535-128609022	exonic	INTU	4	128584535	128609022	2	0	2	0	1	0	24487	0.773539358	1.905635731	3.063094992	0.622127533	0.533858012	0.998252924
chr5:76745584-76785397	exonic	WDR41	5	76745584	76785397	2	0	2	0	1	0	39813	0.773539358	1.905635731	3.063094992	0.622127533	0.533858012	0.998252924
chr14:64465631-64483349	exonic	SYNE2	14	64465631	64483349	2	0	2	0	0	1	17718	0.960730545	1.906814389	2.893611297	0.658973923	NA	NA
chr15:86225388-86236682	exonic	AKAP13	15	86225388	86236682	2	0	2	0	0	1	11294	0.960730545	1.906814389	2.893611297	0.658973923	NA	NA
chr2:120634898-120672818	exonic	PTPN4	2	120634898	120672818	2	0	2	0	0	1	37920	0.960730545	1.906814389	2.893611297	0.658973923	NA	NA
chr12:110922882-110925748	exonic	FAM216A	12	110922882	110925748	1	3	0	0	1	0	2866	0.772841762	1.90859941	3.083552563	0.618961205	0.535941916	0.998252924
chr4:83791477-83803093	exonic	SEC31A	4	83791477	83803093	1	3	0	0	1	0	11616	0.772841762	1.90859941	3.083552563	0.618961205	0.535941916	0.998252924

chr10:70404454-70412351	exonic	TET1	10	70404454	70412351	1	3	0	0	0	1	7897	0.960032949	1.910287666	2.913784157	0.655603697	NA	NA
chr14:92592465-92609638	exonic	CPSF2	14	92592465	92609638	1	3	0	0	0	1	17173	0.960032949	1.910287666	2.913784157	0.655603697	NA	NA
chr3:155267575-155286113	exonic	PLCH1	3	155267575	155286113	1	3	0	0	0	1	18538	0.960032949	1.910287666	2.913784157	0.655603697	NA	NA
chr1:10209241-10211619	exonic	UBE4B	1	10209241	10211619	3	3	2	0	1	1	2378	1.733572307	1.914673183	2.012726177	0.95128349	0.341460485	0.998252924
chrX:128687213-128688423	intronic	OCRL	X	128687213	128688423	5	4	3	2	2	0	1210	2.388522601	1.915070133	1.707417119	1.12161821	0.262024806	0.998252924
chr2:36623756-36706837	exonic	CRIM1	2	36623756	36706837	8	2	0	3	0	0	83081	1.699381296	1.917336202	2.305831407	0.831516214	0.405682072	0.998252924
chr16:69820898-69833198	exonic	WWP2	16	69820898	69833198	0	3	3	0	2	0	12300	1.356689317	1.918728472	2.502931353	0.766592527	NA	NA
chr17:30266357-30266637	intronic	SUZ12	17	30266357	30266637	0	3	3	0	2	0	280	1.356689317	1.918728472	2.502931353	0.766592527	NA	NA
chr10:117849251-117856275	exonic	GFRA1	10	117849251	117856275	5	0	0	0	1	0	7024	0.765962136	1.922717297	3.360258798	0.572193218	NA	NA
chrX:19983162-19988416	exonic	CXorf23	X	19983162	19988416	3	6	5	3	2	0	5254	2.979949749	1.923462055	1.581071274	1.216556197	0.223773117	0.998252924
chr9:112898406-112900819	exonic	AKAP2, PALM2-AKAP2	9	112898406	112900819	0	7	1	3	0	0	2413	1.736133774	1.924219201	2.347042244	0.819848559	NA	NA
chr3:110830876-110845182	exonic	PVRL3	3	110830876	110845182	1	3	4	3	0	0	14306	1.759824598	1.924929072	2.119566696	0.908171031	0.363787867	0.998252924
chr6:73005640-73043538	exonic	RIMS1	6	73005640	73043538	29	48	7	12	17	0	37898	16.81994567	1.925700789	0.976546045	1.971950835	0.048615219	0.998252924
chr7:20193815-20201493	exonic	MACC1	7	20193815	20201493	5	6	1	3	1	0	7678	2.327820111	1.927138737	1.789330557	1.077016614	0.281472843	0.998252924
chr2:113258782-113260758	exonic	TTL	2	113258782	113260758	4	0	3	0	2	0	1976	1.349809691	1.930743179	2.489336947	0.7756054	0.437982011	0.998252924
chr7:139754461-139757834	exonic	PARP12	7	139754461	139757834	7	0	1	0	2	0	3373	1.342232469	1.943745716	2.5334018	0.76724731	0.442934489	0.998252924
chr22:38208893-38209616	exonic	GCAT	22	38208893	38209616	5	3	2	0	3	0	723	1.925382428	1.947446666	2.012509115	0.96767098	NA	NA
chr18:6213147-6312055	exonic	L3MBTL4	18	6213147	6312055	2	0	2	1	0	0	98908	0.758823322	1.953897222	3.08581883	0.633185981	0.5266122	0.998252924
chr16:28177828-28181230	exonic	XPO6	16	28177828	28181230	3	2	2	0	2	0	3402	1.372105321	1.95575452	2.275966828	0.859307129	0.390171092	0.998252924
chr15:41961025-42005694	exonic	MGA	15	41961025	42005694	1	3	0	1	0	0	44669	0.758125725	1.957042812	3.106246664	0.63003458	0.52867196	0.998252924
chr4:186168447-186209236	exonic	SNX25	4	186168447	186209236	1	3	0	1	0	0	40789	0.758125725	1.957042812	3.106246664	0.63003458	0.52867196	0.998252924
chr7:137330217-137374748	exonic	DGKI	7	137330217	137374748	1	3	0	1	0	0	44531	0.758125725	1.957042812	3.106246664	0.63003458	0.52867196	0.998252924
chr8:72964774-72988862	exonic	TRPA1	8	72964774	72988862	4	3	0	2	0	0	24088	1.251397939	1.958933001	2.544961617	0.76972988	0.441460141	0.998252924
chr1:246790658-246791569	intronic	CNST	1	246790658	246791569	8	0	0	2	0	0	911	1.244518313	1.971576051	2.818857005	0.699423932	NA	NA
chr5:619104-620376	exonic	CEP72	5	619104	620376	2	4	1	0	2	0	1272	1.394400951	1.982436323	2.29585395	0.863485381	0.387870654	0.998252924
chr1:100459092-100480976	exonic	SLC35A3	1	100459092	100480976	0	2	0	0	0	0	21884	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:100515464-100544104	exonic	MFS14A	1	100515464	100544104	0	2	0	0	0	0	28640	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:100901689-100908552	exonic	CDC14A	1	100901689	100908552	0	2	0	0	0	0	6863	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:10204997-10221344	exonic	UBE4B	1	10204997	10221344	0	2	0	0	0	0	16347	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:10493898-10502498	exonic	APITD1, APITD1-CORT	1	10493898	10502498	0	2	0	0	0	0	8600	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:110121825-110129504	exonic	GNAI3	1	110121825	110129504	0	2	0	0	0	0	7679	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:11088187-11088865	intronic	MASP2	1	11088187	11088865	0	2	0	0	0	0	678	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:11130956-11137005	exonic	EXOSC10	1	11130956	11137005	0	2	0	0	0	0	6049	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:114316606-114317728	intronic	RSBN1	1	114316606	114317728	0	2	0	0	0	0	1122	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:121115831-121116815	exonic	SRGAP2B	1	121115831	121116815	0	2	0	0	0	0	984	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr1:145597514-145601622	exonic	POLR3C	1	145597514	145601622	0	2	0	0	0	0	4108	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:151134211-151134576	exonic	LYSDM1	1	151134211	151134576	0	2	0	0	0	0	365	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:154197559-154218851	exonic	UBAP2L	1	154197559	154218851	0	2	0	0	0	0	21292	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:155324263-155327540	exonic	ASH1L	1	155324263	155327540	0	2	0	0	0	0	3277	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:159888628-159890327	exonic	TAGLN2	1	159888628	159890327	0	2	0	0	0	0	1699	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:16235815-16237796	exonic	SPEN	1	16235815	16237796	0	2	0	0	0	0	1981	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:168260397-168278115	exonic	TBX19	1	168260397	168278115	0	2	0	0	0	0	17718	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:169836036-169847960	exonic	SCYL3	1	169836036	169847960	0	2	0	0	0	0	11924	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:171504566-171506612	exonic	PRRC2C	1	171504566	171506612	0	2	0	0	0	0	2046	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:17349102-17350569	exonic	SDHB	1	17349102	17350569	0	2	0	0	0	0	1467	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:1735857-1770677	exonic	GNB1	1	1735857	1770677	0	2	0	0	0	0	34820	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:179306971-179310445	exonic	SOAT1	1	179306971	179310445	0	2	0	0	0	0	3474	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:179955303-179966310	exonic	CEP350	1	179955303	179966310	0	2	0	0	0	0	11007	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:180971742-180974599	exonic	STX6	1	180971742	180974599	0	2	0	0	0	0	2857	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:183083665-183102685	exonic	LAMC1	1	183083665	183102685	0	2	0	0	0	0	19020	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:185947012-185950134	exonic	HMCN1	1	185947012	185950134	0	2	0	0	0	0	3122	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:186295236-186296621	exonic	TPR	1	186295236	186296621	0	2	0	0	0	0	1385	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:202724398-202729701	exonic	KDM5B	1	202724398	202729701	0	2	0	0	0	0	5303	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:205585606-205589966	exonic	ELK4	1	205585606	205589966	0	2	0	0	0	0	4360	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:206616963-206617295	intronic	SRGAP2	1	206616963	206617295	0	2	0	0	0	0	332	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:206658333-206666452	exonic	IKBKE	1	206658333	206666452	0	2	0	0	0	0	8119	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:21091869-21103243	exonic	HP1BP3	1	21091869	21103243	0	2	0	0	0	0	11374	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:224481968-224491559	exonic	NVL	1	224481968	224491559	0	2	0	0	0	0	9591	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:225226395-225347187	exonic	DNAH14	1	225226395	225347187	0	2	0	0	0	0	120792	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:227935392-227935934	exonic	SNAP47	1	227935392	227935934	0	2	0	0	0	0	542	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:231667726-231668939	ncRNA_intronic	TSNAX-DISC1	1	231667726	231668939	0	2	0	0	0	0	1213	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:233190013-233231609	exonic	PCNXL2	1	233190013	233231609	0	2	0	0	0	0	41596	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:235643369-235658138	exonic	B3GALNT2	1	235643369	235658138	0	2	0	0	0	0	14769	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:235963619-235976361	exonic	LYST	1	235963619	235976361	0	2	0	0	0	0	12742	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:243433394-243471479	exonic	SDCCAG8	1	243433394	243471479	0	2	0	0	0	0	38085	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:29063659-29064169	exonic	YTHDF2	1	29063659	29064169	0	2	0	0	0	0	510	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:31418192-31423108	exonic	PUM1	1	31418192	31423108	0	2	0	0	0	0	4916	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:35650329-35652601	splicing	SFPQ	1	35650329	35652601	0	2	0	0	0	0	2272	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:36740799-36743455	intronic	THRAP3	1	36740799	36743455	0	2	0	0	0	0	2656	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:39459640-39461861	intronic	AKIRIN1	1	39459640	39461861	0	2	0	0	0	0	2221	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr1:39851105-39854330	exonic	MACF1	1	39851105	39854330	0	2	0	0	0	0	3225	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:42654407-42776781	exonic	FOXJ3	1	42654407	42776781	0	2	0	0	0	0	122374	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:45325253-45325538	intronic	EIF2B3	1	45325253	45325538	0	2	0	0	0	0	285	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:45347283-45363116	exonic	EIF2B3	1	45347283	45363116	0	2	0	0	0	0	15833	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:48860938-48878823	exonic	SPATA6	1	48860938	48878823	0	2	0	0	0	0	17885	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:51204534-51267349	exonic	FAF1	1	51204534	51267349	0	2	0	0	0	0	62815	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:52269485-52299842	exonic	NRDC	1	52269485	52299842	0	2	0	0	0	0	30357	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:52279707-52287227	exonic	NRDC	1	52279707	52287227	0	2	0	0	0	0	7520	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:52881058-52882312	exonic	PRPF38A	1	52881058	52882312	0	2	0	0	0	0	1254	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:54518673-54518926	exonic	TMEM59	1	54518673	54518926	0	2	0	0	0	0	253	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:62293093-62330305	exonic	INADL	1	62293093	62330305	0	2	0	0	0	0	37212	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:62667902-62669142	UTR5	L1TD1 (NM_001164835:c.-3182_-3159delins0)	1	62667902	62669142	0	2	0	0	0	0	1240	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:668687-848426	ncRNA_exonic	FAM41C, FAM87B, LINC00115, LINC01128, LOC100288069	1	668687	848426	0	2	0	0	0	0	179739	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:85121514-85136991	exonic	SSX2IP	1	85121514	85136991	0	2	0	0	0	0	15477	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:8684368-8716500	exonic	RERE	1	8684368	8716500	0	2	0	0	0	0	32132	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:87185190-87190088	exonic	SH3GLB1	1	87185190	87190088	0	2	0	0	0	0	4898	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:91840914-91851391	exonic	HFM1	1	91840914	91851391	0	2	0	0	0	0	10477	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:93131495-93170301	exonic	EVI5	1	93131495	93170301	0	2	0	0	0	0	38806	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:93575786-93576183	exonic	MTF2	1	93575786	93576183	0	2	0	0	0	0	397	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:94360169-94367225	exonic	GCLM	1	94360169	94367225	0	2	0	0	0	0	7056	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr1:98144650-98206035	exonic	DPYD	1	98144650	98206035	0	2	0	0	0	0	61385	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:101676143-101700751	ncRNA_exonic	DNMBP-AS1	10	101676143	101700751	0	2	0	0	0	0	24608	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:1118055-1126416	exonic	WDR37	10	1118055	1126416	0	2	0	0	0	0	8361	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:116879948-117027921	exonic	ATRNL1	10	116879948	117027921	0	2	0	0	0	0	147973	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:118031536-118031775	exonic	GFRA1	10	118031536	118031775	0	2	0	0	0	0	239	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:12130984-12136270	exonic	DHTKD1	10	12130984	12136270	0	2	0	0	0	0	5286	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:126172707-126205840	exonic	LHPP	10	126172707	126205840	0	2	0	0	0	0	33133	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:12802946-12811798	exonic	CAMK1D	10	12802946	12811798	0	2	0	0	0	0	8852	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:131334505-131336707	exonic	MGMT	10	131334505	131336707	0	2	0	0	0	0	2202	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:13336427-13337606	exonic	PHYH	10	13336427	13337606	0	2	0	0	0	0	1179	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:13840640-13841267	intronic	FRMD4A	10	13840640	13841267	0	2	0	0	0	0	627	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:21148642-21188379	exonic	NEBL	10	21148642	21188379	0	2	0	0	0	0	39737	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:32309949-32326535	exonic	KIF5B	10	32309949	32326535	0	2	0	0	0	0	16586	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:34688257-34759191	exonic	PARD3	10	34688257	34759191	0	2	0	0	0	0	70934	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:43659313-43671480	exonic	CSGALNACT2	10	43659313	43671480	0	2	0	0	0	0	12167	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr10:64990055-65127116	exonic	JMJD1C	10	64990055	65127116	0	2	0	0	0	0	137061	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:70115110-70123870	exonic	RUFY2	10	70115110	70123870	0	2	0	0	0	0	8760	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:70496632-70532856	exonic	CCAR1	10	70496632	70532856	0	2	0	0	0	0	36224	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:75156276-75160615	exonic	ANXA7	10	75156276	75160615	0	2	0	0	0	0	4339	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:75580862-75585930	exonic	CAMK2G	10	75580862	75585930	0	2	0	0	0	0	5068	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:8005882-8019286	exonic	TAF3	10	8005882	8019286	0	2	0	0	0	0	13404	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:88930235-88930731	exonic	FAM35A	10	88930235	88930731	0	2	0	0	0	0	496	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:94381106-94408191	exonic	KIF11	10	94381106	94408191	0	2	0	0	0	0	27085	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr10:98303832-98312816	exonic	TM9SF3	10	98303832	98312816	0	2	0	0	0	0	8984	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:111544706-111545565	intronic	SIK2	11	111544706	111545565	0	2	0	0	0	0	859	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:118451960-118463571	exonic	ARCN1	11	118451960	118463571	0	2	0	0	0	0	11611	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:120916383-120943749	exonic	TBCEL	11	120916383	120943749	0	2	0	0	0	0	27366	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:14810651-14865572	exonic	PDE3B	11	14810651	14865572	0	2	0	0	0	0	54921	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:20101609-20104725	exonic	NAV2	11	20101609	20104725	0	2	0	0	0	0	3116	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:27480335-27481419	intronic	LGR4	11	27480335	27481419	0	2	0	0	0	0	1084	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:28131712-28318478	exonic	METTL15	11	28131712	28318478	0	2	0	0	0	0	186766	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:34952950-34982065	exonic	PDHX	11	34952950	34982065	0	2	0	0	0	0	29115	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:35222628-35226187	exonic	CD44	11	35222628	35226187	0	2	0	0	0	0	3559	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:47502913-47503561	intronic	CELF1	11	47502913	47503561	0	2	0	0	0	0	648	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:47505940-47508350	exonic	CELF1	11	47505940	47508350	0	2	0	0	0	0	2410	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:62650379-62653080	exonic	SLC3A2	11	62650379	62653080	0	2	0	0	0	0	2701	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:65267060-65267236	ncRNA_exonic	MALAT1	11	65267060	65267236	0	2	0	0	0	0	176	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:65269792-65271829	ncRNA_exonic	MALAT1	11	65269792	65271829	0	2	0	0	0	0	2037	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:73620444-73630450	exonic	PAAF1	11	73620444	73630450	0	2	0	0	0	0	10006	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:73843888-73872601	exonic	C2CD3	11	73843888	73872601	0	2	0	0	0	0	28713	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:7669618-7674431	exonic	PPFIBP2	11	7669618	7674431	0	2	0	0	0	0	4813	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:83770358-83784311	exonic	DLG2	11	83770358	83784311	0	2	0	0	0	0	13953	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:93399847-93402936	exonic	CEP295	11	93399847	93402936	0	2	0	0	0	0	3089	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr11:992503-1000598	exonic	AP2A2	11	992503	1000598	0	2	0	0	0	0	8095	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:110764194-110771948	exonic	ATP2A2	12	110764194	110771948	0	2	0	0	0	0	7754	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:112684704-112686316	exonic	HECTD4	12	112684704	112686316	0	2	0	0	0	0	1612	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:112910748-112915819	exonic	PTPN11	12	112910748	112915819	0	2	0	0	0	0	5071	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:113565616-113568746	exonic	RASAL1	12	113565616	113568746	0	2	0	0	0	0	3130	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:122437621-122439504	exonic	WDR66	12	122437621	122439504	0	2	0	0	0	0	1883	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:124922475-124979914	exonic	NCOR2	12	124922475	124979914	0	4	0	0	0	0	57439	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr12:132237667-132271133	exonic	SFSWAP	12	132237667	132271133	0	2	0	0	0	0	33466	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:15702027-15710457	exonic	PTPRO	12	15702027	15710457	0	2	0	0	0	0	8430	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:15834160-15866259	exonic	EPS8	12	15834160	15866259	0	2	0	0	0	0	32099	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:19433066-19434433	intronic	PLEKHA5	12	19433066	19434433	0	2	0	0	0	0	1367	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:19496256-19501453	exonic	PLEKHA5	12	19496256	19501453	0	2	0	0	0	0	5197	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:29491464-29494694	exonic	ERGIC2	12	29491464	29494694	0	2	0	0	0	0	3230	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:31566369-31577621	exonic	DENND5B	12	31566369	31577621	0	2	0	0	0	0	11252	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:32866142-32890095	exonic	DNM1L	12	32866142	32890095	0	2	0	0	0	0	23953	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:49424383-49424816	exonic	KMT2D	12	49424383	49424816	0	2	0	0	0	0	433	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:50821547-50835426	exonic	LARP4	12	50821547	50835426	0	2	0	0	0	0	13879	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:51510097-51512555	exonic	TFCP2	12	51510097	51512555	0	2	0	0	0	0	2458	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:54734330-54737100	exonic	COPZ1	12	54734330	54737100	0	2	0	0	0	0	2770	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:58109542-58112204	exonic	OS9	12	58109542	58112204	0	2	0	0	0	0	2662	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:5936935-5941769	exonic	ANO2	12	5936935	5941769	0	2	0	0	0	0	4834	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:62918294-62946954	exonic	MON2	12	62918294	62946954	0	2	0	0	0	0	28660	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:66707765-66717991	exonic	HELB	12	66707765	66717991	0	2	0	0	0	0	10226	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:7094798-7108121	intronic	LPCAT3	12	7094798	7108121	0	2	0	0	0	0	13323	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:8255504-8278273	exonic	CLEC4A	12	8255504	8278273	0	2	0	0	0	0	22769	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:88553890-88570096	exonic	TMTC3	12	88553890	88570096	0	2	0	0	0	0	16206	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:8866406-8906689	exonic	RIMKLB	12	8866406	8906689	0	2	0	0	0	0	40283	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:95531297-95535315	exonic	FGD6	12	95531297	95535315	0	2	0	0	0	0	4018	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:95596369-95605043	exonic	FGD6	12	95596369	95605043	0	2	0	0	0	0	8674	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:95663826-95690034	exonic	VEZT	12	95663826	95690034	0	2	0	0	0	0	26208	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr12:96674586-96691110	exonic	CDK17	12	96674586	96691110	0	2	0	0	0	0	16524	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:100963932-100969122	intronic	PCCA	13	100963932	100969122	0	2	0	0	0	0	5190	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:103271071-103286448	exonic	TPP2	13	103271071	103286448	0	2	0	0	0	0	15377	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:21157095-21205241	exonic	IFT88	13	21157095	21205241	0	2	0	0	0	0	48146	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:32652970-32711109	exonic	FRY	13	32652970	32711109	0	2	0	0	0	0	58139	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:33329979-33332791	exonic	PDS5B	13	33329979	33332791	0	2	0	0	0	0	2812	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:35615069-35644989	exonic	NBEA	13	35615069	35644989	0	2	0	0	0	0	29920	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:35615301-35619019	exonic	NBEA	13	35615301	35619019	0	2	0	0	0	0	3718	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:38624906-38647113	ncRNA_exonic	LINC00571	13	38624906	38647113	0	2	0	0	0	0	22207	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:41482295-41486859	ncRNA_exonic	SUGT1P3	13	41482295	41486859	0	2	0	0	0	0	4564	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:45951196-45966325	ncRNA_exonic	TPT1-AS1	13	45951196	45966325	0	2	0	0	0	0	15129	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:50050611-50051175	exonic	SETDB2	13	50050611	50051175	0	2	0	0	0	0	564	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr13:95768175-95840796	exonic	ABCC4	13	95768175	95840796	0	2	0	0	0	0	72621	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr13:99933348-99958244	exonic	GPR183	13	99933348	99958244	0	2	0	0	0	0	24896	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:101295044-101311870	ncRNA_exonic	MEG3	14	101295044	101311870	0	2	0	0	0	0	16826	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:104120900-104121162	exonic	KLC1	14	104120900	104121162	0	2	0	0	0	0	262	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:106050470-106170423	ncRNA_exonic	ELK2AP, MIR8071-1, MIR8071-2	14	106050470	106170423	0	2	0	0	0	0	119953	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:106091233-106109862	ncRNA_exonic	MIR8071-1, MIR8071-2	14	106091233	106109862	0	2	0	0	0	0	18629	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:23419522-23420898	exonic	HAUS4	14	23419522	23420898	0	2	0	0	0	0	1376	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:31897350-31901757	ncRNA_intronic	LOC101927124	14	31897350	31901757	0	2	0	0	0	0	4407	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:33462264-33463932	intronic	NPAS3	14	33462264	33463932	0	2	0	0	0	0	1668	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:33684388-33865159	exonic	NPAS3	14	33684388	33865159	0	2	0	0	0	0	180771	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:34394824-34396239	exonic	EGLN3	14	34394824	34396239	0	2	0	0	0	0	1415	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:50287061-50301167	exonic	NEMF	14	50287061	50301167	0	2	0	0	0	0	14106	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:50641171-50655418	exonic	SOS2	14	50641171	50655418	0	2	0	0	0	0	14247	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:50923234-50952912	exonic	MAP4K5	14	50923234	50952912	0	2	0	0	0	0	29678	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:56114742-56118645	exonic	KTN1	14	56114742	56118645	0	2	0	0	0	0	3903	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:56119734-56125332	exonic	KTN1	14	56119734	56125332	0	2	0	0	0	0	5598	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:61745398-61745867	UTR3	<small>TMM30B(ONM_001017970:c.*1412_*943delins0)</small>	14	61745398	61745867	0	2	0	0	0	0	469	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:64447704-64453335	exonic	SYNE2	14	64447704	64453335	0	2	0	0	0	0	5631	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:69387722-69392389	exonic	ACTN1	14	69387722	69392389	0	2	0	0	0	0	4667	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:69908548-69908983	exonic	SLC39A9	14	69908548	69908983	0	2	0	0	0	0	435	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:73459851-73460065	exonic	ZFYVE1	14	73459851	73460065	0	2	0	0	0	0	214	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:76638185-76639968	exonic	GPATCH2L	14	76638185	76639968	0	2	0	0	0	0	1783	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:89747293-89817152	exonic	FOXN3	14	89747293	89817152	0	2	0	0	0	0	69859	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:91937180-91942868	exonic	PPP4R3A	14	91937180	91942868	0	2	0	0	0	0	5688	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr14:93273080-93275864	exonic	GOLGA5	14	93273080	93275864	0	2	0	0	0	0	2784	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:30053341-30058745	exonic	TJP1	15	30053341	30058745	0	2	0	0	0	0	5404	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:32924125-32925589	exonic	ARHGAP11A	15	32924125	32925589	0	2	0	0	0	0	1464	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:42002888-42019604	exonic	MGA	15	42002888	42019604	0	2	0	0	0	0	16716	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:43299277-43317627	exonic	UBR1	15	43299277	43317627	0	2	0	0	0	0	18350	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:43707791-43730614	exonic	TP53BP1	15	43707791	43730614	0	2	0	0	0	0	22823	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:44846750-44849848	exonic	EIF3J	15	44846750	44849848	0	2	0	0	0	0	3098	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:49528048-49620327	exonic	GALK2	15	49528048	49620327	0	2	0	0	0	0	92279	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:52561949-52564920	exonic	MYO5C	15	52561949	52564920	0	2	0	0	0	0	2971	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:52672569-52674194	intronic	MYO5A	15	52672569	52674194	0	2	0	0	0	0	1625	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:56129986-56139232	exonic	NEDD4	15	56129986	56139232	0	2	0	0	0	0	9246	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr15:57218447-57348374	intronic	TCF12	15	57218447	57348374	0	2	0	0	0	0	129927	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:57383987-57387361	exonic	TCF12	15	57383987	57387361	0	2	0	0	0	0	3374	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:59193459-59205726	exonic	SLTM	15	59193459	59205726	0	2	0	0	0	0	12267	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:59358962-59373483	exonic	RNF111	15	59358962	59373483	0	2	0	0	0	0	14521	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:62221700-62221931	exonic	VPS13C	15	62221700	62221931	0	2	0	0	0	0	231	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:63982739-63987093	exonic	HERC1	15	63982739	63987093	0	2	0	0	0	0	4354	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:65266939-65273363	exonic	SPG21	15	65266939	65273363	0	2	0	0	0	0	6424	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:65780027-65782637	exonic	DPP8	15	65780027	65782637	0	2	0	0	0	0	2610	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:65988703-66053776	exonic	DENND4A	15	65988703	66053776	0	2	0	0	0	0	65073	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:66007815-66044966	exonic	DENND4A	15	66007815	66044966	0	2	0	0	0	0	37151	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:67519239-67529158	exonic	AAGAB	15	67519239	67529158	0	2	0	0	0	0	9919	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:75670828-75671350	intronic	SIN3A	15	75670828	75671350	0	2	0	0	0	0	522	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:78837210-78839040	exonic	PSMA4	15	78837210	78839040	0	2	0	0	0	0	1830	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:81241037-81263000	exonic	CEMIP	15	81241037	81263000	0	2	0	0	0	0	21963	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr15:82207688-82218366	intergenic	TMC3-AS1 (dist=472271), MEX3B (dist=115753)	15	82207688	82218366	0	2	0	0	0	0	10678	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:11857333-11859541	exonic	ZC3H7A	16	11857333	11859541	0	2	0	0	0	0	2208	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:16180680-16184445	exonic	ABCC1	16	16180680	16184445	0	2	0	0	0	0	3765	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:21326632-21363459	ncRNA_exonic	CRYM-AS1, SNX29P1	16	21326632	21363459	0	2	0	0	0	0	36827	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:21486996-21487481	ncRNA_intronic	SMG1P3	16	21486996	21487481	0	2	0	0	0	0	485	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:22497441-22502297	ncRNA_exonic	SMG1P1	16	22497441	22502297	0	2	0	0	0	0	4856	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:3554719-3570036	exonic	CLUAP1	16	3554719	3570036	0	2	0	0	0	0	15317	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:4700365-4707364	exonic	MGRN1	16	4700365	4707364	0	2	0	0	0	0	6999	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:67606779-67609398	intronic	CTCF	16	67606779	67609398	0	2	0	0	0	0	2619	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:67942582-67943609	exonic	PSKH1	16	67942582	67943609	0	2	0	0	0	0	1027	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:69189773-69197081	exonic	UTP4	16	69189773	69197081	0	2	0	0	0	0	7308	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:69718789-69729282	exonic	NFAT5	16	69718789	69729282	0	2	0	0	0	0	10493	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:71778129-71778560	intronic	APIG1	16	71778129	71778560	0	2	0	0	0	0	431	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:75445722-75448593	exonic	CFDP1	16	75445722	75448593	0	2	0	0	0	0	2871	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:88008653-88039871	exonic	BANP	16	88008653	88039871	0	2	0	0	0	0	31218	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr16:8839857-8851663	exonic	ABAT	16	8839857	8851663	0	2	0	0	0	0	11806	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:1296532-1296837	intronic	YWHAE	17	1296532	1296837	0	2	0	0	0	0	305	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:1451589-1456443	exonic	PITPNA	17	1451589	1456443	0	2	0	0	0	0	4854	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:2541392-2576051	exonic	PAFAH1B1	17	2541392	2576051	0	2	0	0	0	0	34659	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:27778473-27794234	exonic	TAOK1	17	27778473	27794234	0	2	0	0	0	0	15761	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:27794162-27807499	exonic	TAOK1	17	27794162	27807499	0	2	0	0	0	0	13337	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr17:29058126-29061241	ncRNA_intronic	SUZ12P1	17	29058126	29061241	0	2	0	0	0	0	3115	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:29112936-29119590	exonic	CRLF3	17	29112936	29119590	0	2	0	0	0	0	6654	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:29528054-29554624	exonic	NF1	17	29528054	29554624	0	2	0	0	0	0	26570	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:29576002-29592357	exonic	NF1	17	29576002	29592357	0	2	0	0	0	0	16355	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:33271907-33291279	exonic	CCT6B, ZNF830	17	33271907	33291279	0	2	0	0	0	0	19372	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:33951415-33968994	exonic	AP2B1	17	33951415	33968994	0	2	0	0	0	0	17579	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:34910660-34923615	exonic	GGNBP2	17	34910660	34923615	0	2	0	0	0	0	12955	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:35536200-35550356	exonic	ACACA	17	35536200	35550356	0	2	0	0	0	0	14156	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:35637239-35645704	exonic	ACACA	17	35637239	35645704	0	2	0	0	0	0	8465	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:3988963-3989949	exonic	ZZEF1	17	3988963	3989949	0	2	0	0	0	0	986	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:40497576-40500557	exonic	STAT3	17	40497576	40500557	0	2	0	0	0	0	2981	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:4153208-4153384	intronic	ANKFY1	17	4153208	4153384	0	2	0	0	0	0	176	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:42501717-42552271	exonic	GPATCH8	17	42501717	42552271	0	2	0	0	0	0	50554	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:44380003-44383675	exonic	LRRC37A	17	44380003	44383675	0	2	0	0	0	0	3672	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:45214517-45235669	exonic	CDC27	17	45214517	45235669	0	2	0	0	0	0	21152	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:49062283-49068029	exonic	SPAG9	17	49062283	49068029	0	2	0	0	0	0	5746	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:55062738-55072996	exonic	SCPEP1	17	55062738	55072996	0	2	0	0	0	0	10258	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:56293448-56294097	exonic	MKS1	17	56293448	56294097	0	2	0	0	0	0	649	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:58538023-58543820	exonic	APPBP2	17	58538023	58543820	0	2	0	0	0	0	5797	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:60741908-60744894	exonic	MRC2	17	60741908	60744894	0	2	0	0	0	0	2986	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:60788591-60865960	exonic		10-Mar	17	60788591	60865960	0	2	0	0	0	77369	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:62515438-62515554	exonic	CEP95	17	62515438	62515554	0	2	0	0	0	0	116	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:64023618-64179425	exonic	CEP112	17	64023618	64179425	0	2	0	0	0	0	155807	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:67040637-67047280	exonic	ABCA9	17	67040637	67047280	0	2	0	0	0	0	6643	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:71244118-71244857	exonic	CPSF4L	17	71244118	71244857	0	2	0	0	0	0	739	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:73794364-73795178	intronic	UNK	17	73794364	73795178	0	2	0	0	0	0	814	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:73808192-73809959	exonic	UNK	17	73808192	73809959	0	2	0	0	0	0	1767	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:76198579-76202131	exonic	AFMID	17	76198579	76202131	0	2	0	0	0	0	3552	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:80714040-80726442	exonic	TBCD	17	80714040	80726442	0	2	0	0	0	0	12402	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr17:84553363-8473130	exonic	MYH10	17	84553363	8473130	0	2	0	0	0	0	17767	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:12356692-12371690	exonic	AFG3L2	18	12356692	12371690	0	2	0	0	0	0	14998	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:12814201-12859253	exonic	PTPN2	18	12814201	12859253	0	2	0	0	0	0	45052	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:13099474-13103587	exonic	CEP192	18	13099474	13103587	0	2	0	0	0	0	4113	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:13730625-13752426	exonic	RNMT	18	13730625	13752426	0	2	0	0	0	0	21801	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:19378044-19383975	exonic	MIB1	18	19378044	19383975	0	2	0	0	0	0	5931	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr18:30846880-30898399	exonic	CCDC178	18	30846880	30898399	0	2	0	0	0	0	51519	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:42281140-42383064	exonic	SETBP1	18	42281140	42383064	0	2	0	0	0	0	101924	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:46889531-46918015	exonic	DYM	18	46889531	46918015	0	2	0	0	0	0	28484	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:6138192-6264037	exonic	L3MBTL4	18	6138192	6264037	0	2	0	0	0	0	125845	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:72342923-72353078	exonic	ZNF407	18	72342923	72353078	0	2	0	0	0	0	10155	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:74082482-74155167	exonic	ZNF516	18	74082482	74155167	0	2	0	0	0	0	72685	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr18:8714137-8720494	exonic	MTCL1	18	8714137	8720494	0	2	0	0	0	0	6357	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:10262073-10273424	exonic	DNMT1	19	10262073	10273424	0	2	0	0	0	0	11351	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:1050919-1059084	exonic	ABCA7	19	1050919	1059084	0	2	0	0	0	0	8165	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:10912964-10916643	exonic	DNM2	19	10912964	10916643	0	2	0	0	0	0	3679	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:11230767-11234020	exonic	LDLR	19	11230767	11234020	0	2	0	0	0	0	3253	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:1576821-1578537	exonic	MBD3	19	1576821	1578537	0	2	0	0	0	0	1716	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:19696009-19710174	exonic	PBX4	19	19696009	19710174	0	2	0	0	0	0	14165	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:23990628-24016323	ncRNA_exonic	RPSAP58	19	23990628	24016323	0	2	0	0	0	0	25695	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:30476130-30477324	exonic	URI1	19	30476130	30477324	0	2	0	0	0	0	1194	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:30934467-30936639	exonic	ZNF536	19	30934467	30936639	0	2	0	0	0	0	2172	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:38279791-38280133	intergenic	ZNF573 (dist=9561), LOC644554 (dist=27918)	19	38279791	38280133	0	2	0	0	0	0	342	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:38643479-38655546	exonic	SIPA1L3	19	38643479	38655546	0	2	0	0	0	0	12067	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:4354945-4355170	exonic	MPND	19	4354945	4355170	0	2	0	0	0	0	225	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:46230779-46231282	intronic	FBXO46	19	46230779	46231282	0	2	0	0	0	0	503	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:50838316-50862904	exonic	NAPSA	19	50838316	50862904	0	2	0	0	0	0	24588	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:52876364-52888577	exonic	ZNF880	19	52876364	52888577	0	2	0	0	0	0	12213	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:53005080-53059303	exonic	ZNF578, ZNF808	19	53005080	53059303	0	2	0	0	0	0	54223	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:55587775-55595012	exonic	EPS8L1	19	55587775	55595012	0	2	0	0	0	0	7237	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:55873613-55880309	exonic	FAM71E2, IL11	19	55873613	55880309	0	2	0	0	0	0	6696	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr19:9763629-9768811	exonic	ZNF562	19	9763629	9768811	0	2	0	0	0	0	5182	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:101521194-101565942	exonic	NPAS2	2	101521194	101565942	0	2	0	0	0	0	44748	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:101554214-101582228	exonic	NPAS2	2	101554214	101582228	0	2	0	0	0	0	28014	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:106746129-106782539	exonic	UXS1	2	106746129	106782539	0	2	0	0	0	0	36410	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:109116928-109117533	intronic	GCC2	2	109116928	109117533	0	2	0	0	0	0	605	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:109408130-109432561	exonic	CCDC138	2	109408130	109432561	0	2	0	0	0	0	24431	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:110310663-110342898	exonic		2	110310663	110342898	0	2	0	0	0	0	32235	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:111744684-111789291	exonic	ACOXL	2	111744684	111789291	0	2	0	0	0	0	44607	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:122295772-122302734	intronic	CLASP1	2	122295772	122302734	0	2	0	0	0	0	6962	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:135887564-135893502	exonic	RAB3GAP1	2	135887564	135893502	0	2	0	0	0	0	5938	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

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chr2:15415607-15542425	exonic	NBAS	2	15415607	15542425	0	2	0	0	0	0	126818	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:15542291-15567918	exonic	NBAS	2	15542291	15567918	0	2	0	0	0	0	25627	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:160634449-160639980	exonic	CD302,LY75-CD302	2	160634449	160639980	0	2	0	0	0	0	5531	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:160964189-161052126	exonic	ITGB6	2	160964189	161052126	0	2	0	0	0	0	87937	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:171270458-171270792	intronic	MYO3B	2	171270458	171270792	0	2	0	0	0	0	334	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:174081842-174104224	exonic	ZAK	2	174081842	174104224	0	2	0	0	0	0	22382	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:183821189-183848110	exonic	NCKAP1	2	183821189	183848110	0	2	0	0	0	0	26921	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:205829875-205830046	exonic	PARD3B	2	205829875	205830046	0	2	0	0	0	0	171	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:205969149-206023631	exonic	PARD3B	2	205969149	206023631	0	2	0	0	0	0	54482	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:208579066-208605430	exonic	CCNYL1	2	208579066	208605430	0	2	0	0	0	0	26364	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:208589523-208611937	exonic	CCNYL1	2	208589523	208611937	0	2	0	0	0	0	22414	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:220077108-220079804	exonic	ABCB6	2	220077108	220079804	0	2	0	0	0	0	2696	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:232653264-232656518	exonic	COPS7B	2	232653264	232656518	0	2	0	0	0	0	3254	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:232995328-233001429	exonic	DIS3L2	2	232995328	233001429	0	2	0	0	0	0	6101	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:233421125-233431924	exonic	EIF4E2	2	233421125	233431924	0	2	0	0	0	0	10799	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:233651881-233652019	exonic	GIGYF2	2	233651881	233652019	0	2	0	0	0	0	138	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:234091055-234094571	exonic	INPP5D	2	234091055	234094571	0	2	0	0	0	0	3516	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:238617186-238668848	exonic	LRRFIP1	2	238617186	238668848	0	2	0	0	0	0	51662	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:24778884-24807429	UTR5	-----	2	24778884	24807429	0	2	0	0	0	0	28545	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:24787164-24905997	exonic	NCOA1	2	24787164	24905997	0	2	0	0	0	0	118833	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:26502861-26508439	exonic	HADHB	2	26502861	26508439	0	2	0	0	0	0	5578	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:32399131-32409407	exonic	SLC30A6	2	32399131	32409407	0	2	0	0	0	0	10276	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:32664575-32670736	exonic	BIRC6	2	32664575	32670736	0	2	0	0	0	0	6161	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:32688261-32702651	exonic	BIRC6	2	32688261	32702651	0	2	0	0	0	0	14390	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:39081195-39085978	exonic	DHX57	2	39081195	39085978	0	2	0	0	0	0	4783	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:43512966-43513661	intronic	THADA	2	43512966	43513661	0	2	0	0	0	0	695	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:44021596-44037663	exonic	DYNC2LI1	2	44021596	44037663	0	2	0	0	0	0	16067	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:47202111-47206046	exonic	TTC7A	2	47202111	47206046	0	2	0	0	0	0	3935	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:48698225-48707155	exonic	PPP1R21	2	48698225	48707155	0	2	0	0	0	0	8930	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:48872171-48898819	exonic	GTF2A1L,STON1-GTF2A1L	2	48872171	48898819	0	2	0	0	0	0	26648	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:61304054-61319722	exonic	KIAA1841	2	61304054	61319722	0	2	0	0	0	0	15668	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:68358409-68361931	exonic	WDR92	2	68358409	68361931	0	2	0	0	0	0	3522	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:69590676-69601245	exonic	GFPT1	2	69590676	69601245	0	2	0	0	0	0	10569	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:69726323-69726463	intronic	AAK1	2	69726323	69726463	0	2	0	0	0	0	140	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:70039784-70046470	exonic	ANXA4	2	70039784	70046470	0	2	0	0	0	0	6686	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr2:70215873-70224020	ncRNA_exonic	PCBP1-AS1	2	70215873	70224020	0	2	0	0	0	0	8147	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:72562075-72707879	exonic	EXOC6B	2	72562075	72707879	0	2	0	0	0	0	145804	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:85813607-85814471	intronic	VAMP5	2	85813607	85814471	0	2	0	0	0	0	864	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:85864492-85872206	exonic	USP39	2	85864492	85872206	0	2	0	0	0	0	7714	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:96499673-96501170	intergenic	LINC00342 (dist=6944), ANKRD36C (dist=14126)	2	96499673	96501170	0	2	0	0	0	0	1497	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:96550088-96551868	exonic	ANKRD36C	2	96550088	96551868	0	2	0	0	0	0	1780	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:96553840-96557485	exonic	ANKRD36C	2	96553840	96557485	0	2	0	0	0	0	3645	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:99271907-99291638	exonic	MGAT4A	2	99271907	99291638	0	2	0	0	0	0	19731	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:2634039-2635034	exonic	NOP56	20	2634039	2635034	0	2	0	0	0	0	995	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:31954664-31967497	exonic	CDK5RAP1	20	31954664	31967497	0	2	0	0	0	0	12833	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:33028985-33029485	intronic	ITCH	20	33028985	33029485	0	2	0	0	0	0	500	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:33364095-33380366	exonic	NCOA6	20	33364095	33380366	0	2	0	0	0	0	16271	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:35668555-35696589	exonic	RBL1	20	35668555	35696589	0	2	0	0	0	0	28034	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:43108624-43115346	exonic	TTPAL	20	43108624	43115346	0	2	0	0	0	0	6722	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:48556499-48557373	intronic	RNF114	20	48556499	48557373	0	2	0	0	0	0	874	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:49540331-49542419	intronic	ADNP	20	49540331	49542419	0	2	0	0	0	0	2088	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:49558567-49571822	exonic	DPM1	20	49558567	49571822	0	2	0	0	0	0	13255	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:50286535-50287796	exonic	ATP9A	20	50286535	50287796	0	2	0	0	0	0	1261	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:55048356-55052180	exonic	RTFDC1	20	55048356	55052180	0	2	0	0	0	0	3824	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr20:9389279-9391735	exonic	PLCB4	20	9389279	9391735	0	2	0	0	0	0	2456	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:18586314-18637124	intergenic	W18996 (dist=404220), LINC01549 (dist=174084)	21	18586314	18637124	0	2	0	0	0	0	50810	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:34778593-34779996	intronic	IFNGR2	21	34778593	34779996	0	2	0	0	0	0	1403	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:34882089-34911629	exonic	GART	21	34882089	34911629	0	2	0	0	0	0	29540	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:34931535-34945761	exonic	SON	21	34931535	34945761	0	2	0	0	0	0	14226	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:38480691-38539922	exonic	TTC3	21	38480691	38539922	0	2	0	0	0	0	59231	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:38504981-38525577	exonic	TTC3	21	38504981	38525577	0	2	0	0	0	0	20596	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:38532001-38555215	exonic	TTC3	21	38532001	38555215	0	2	0	0	0	0	23214	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:38792600-38868560	exonic	DYRK1A	21	38792600	38868560	0	2	0	0	0	0	75960	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:38792601-38798083	exonic	DYRK1A	21	38792601	38798083	0	2	0	0	0	0	5482	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:40587162-40590586	exonic	BRWD1	21	40587162	40590586	0	2	0	0	0	0	3424	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:40619626-40646398	exonic	BRWD1	21	40619626	40646398	0	2	0	0	0	0	26772	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:40630412-40646398	exonic	BRWD1	21	40630412	40646398	0	2	0	0	0	0	15986	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr21:48068531-48069483	exonic	PRMT2	21	48068531	48069483	0	2	0	0	0	0	952	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:17669228-17690613	exonic	CECR1	22	17669228	17690613	0	2	0	0	0	0	21385	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:18640324-18643035	exonic	USP18	22	18640324	18643035	0	2	0	0	0	0	2711	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr22:26000344-26011100	exonic	ADRBK2	22	26000344	26011100	0	2	0	0	0	0	10756	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:30209418-30221769	exonic	ASCC2	22	30209418	30221769	0	2	0	0	0	0	12351	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:36156080-36157248	splicing	RBFOX2	22	36156080	36157248	0	2	0	0	0	0	1168	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:37962078-37962819	exonic	CDC42EP1	22	37962078	37962819	0	2	0	0	0	0	741	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:41277773-41282519	exonic	XPNPEP3	22	41277773	41282519	0	2	0	0	0	0	4746	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:41537051-41554504	exonic	EP300	22	41537051	41554504	0	2	0	0	0	0	17453	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:42231563-42233602	intronic	SREBF2	22	42231563	42233602	0	2	0	0	0	0	2039	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr22:50167339-50171461	exonic	BRD1	22	50167339	50171461	0	2	0	0	0	0	4122	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:100009421-100018175	exonic	TBC1D23	3	100009421	100018175	0	2	0	0	0	0	8754	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:101117704-101136634	exonic	SENP7	3	101117704	101136634	0	2	0	0	0	0	18930	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:107770722-107770785	splicing	CD47	3	107770722	107770785	0	2	0	0	0	0	63	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:110863745-110866331	exonic	PVRL3	3	110863745	110866331	0	2	0	0	0	0	2586	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:118823991-118892565	exonic	C3orf30, IGSF11	3	118823991	118892565	0	2	0	0	0	0	68574	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:121366165-121376199	exonic	HCLS1	3	121366165	121376199	0	2	0	0	0	0	10034	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:122255014-122274968	exonic	PARP9	3	122255014	122274968	0	2	0	0	0	0	19954	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:122552163-122579049	exonic	DIRC2	3	122552163	122579049	0	2	0	0	0	0	26886	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:125032152-125042288	exonic	ZNF148	3	125032152	125042288	0	2	0	0	0	0	10136	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:134206860-134250782	exonic	CEP63	3	134206860	134250782	0	2	0	0	0	0	43922	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:142066075-142144380	exonic	XRN1	3	142066075	142144380	0	2	0	0	0	0	78305	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:142740314-142756177	exonic	U2SURP	3	142740314	142756177	0	2	0	0	0	0	15863	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:15057659-15058779	exonic	NR2C2	3	15057659	15058779	0	2	0	0	0	0	1120	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:152048668-152056462	UTR5	<small>MEN1 (NM_001314057:c.-61111_-60992delins0)</small>	3	152048668	152056462	0	2	0	0	0	0	7794	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:154013072-154024084	exonic	DHX36	3	154013072	154024084	0	2	0	0	0	0	11012	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:155628480-155632359	exonic	GMPS	3	155628480	155632359	0	2	0	0	0	0	3879	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:155659097-155659966	intergenic	<small>GMPS (dist=3577), KCNAB1 (dist=178371)</small>	3	155659097	155659966	0	2	0	0	0	0	869	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:167000025-167023738	exonic	ZBBX	3	167000025	167023738	0	2	0	0	0	0	23713	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:167272438-167351320	exonic	WDR49	3	167272438	167351320	0	2	0	0	0	0	78882	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:169831147-169867032	exonic	PHC3	3	169831147	169867032	0	2	0	0	0	0	35885	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:170000393-170003807	exonic	PRKCI	3	170000393	170003807	0	2	0	0	0	0	3414	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:171778500-171969331	exonic	FNDC3B	3	171778500	171969331	0	2	0	0	0	0	190831	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:183677520-183696439	exonic	ABCC5	3	183677520	183696439	0	2	0	0	0	0	18919	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:184566858-184603944	exonic	VPS8	3	184566858	184603944	0	2	0	0	0	0	37086	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:185251358-185252920	exonic	LIPH	3	185251358	185252920	0	2	0	0	0	0	1562	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:193151633-193210949	exonic	ATP13A4	3	193151633	193210949	0	2	0	0	0	0	59316	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:195063199-195112876	exonic	ACAP2	3	195063199	195112876	0	2	0	0	0	0	49677	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr3:23996027-24006653	exonic	NR1D2	3	23996027	24006653	0	2	0	0	0	0	10626	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:25640925-25686946	exonic	TOP2B	3	25640925	25686946	0	2	0	0	0	0	46021	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:27459976-27493989	exonic	SLC4A7	3	27459976	27493989	0	2	0	0	0	0	34013	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:33437653-33467233	exonic	UBP1	3	33437653	33467233	0	2	0	0	0	0	29580	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:37356910-37360685	exonic	GOLGA4	3	37356910	37360685	0	2	0	0	0	0	3775	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:37544798-37547449	exonic	ITGA9	3	37544798	37547449	0	2	0	0	0	0	2651	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:44871463-44881948	exonic	KIF15	3	44871463	44881948	0	2	0	0	0	0	10485	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:4836748-4854918	exonic	ITPR1	3	4836748	4854918	0	2	0	0	0	0	18170	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:48612109-48612675	exonic	COL7A1	3	48612109	48612675	0	2	0	0	0	0	566	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:49081822-49114471	exonic	QRICH1	3	49081822	49114471	0	2	0	0	0	0	32649	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:49087162-49087439	intronic	QRICH1	3	49087162	49087439	0	2	0	0	0	0	277	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:52722124-52723222	exonic	GNL3	3	52722124	52723222	0	2	0	0	0	0	1098	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:54537518-54676268	exonic	CACNA2D3	3	54537518	54676268	0	2	0	0	0	0	138750	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:56597711-56649300	exonic	CCDC66	3	56597711	56649300	0	2	0	0	0	0	51589	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:56667071-56683085	exonic	FAM208A	3	56667071	56683085	0	2	0	0	0	0	16014	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:58075203-58075569	intronic	FLNB	3	58075203	58075569	0	2	0	0	0	0	366	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr3:67568671-67610076	exonic	SUCLG2	3	67568671	67610076	0	2	0	0	0	0	41405	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:100058644-100061488	exonic	ADH4	4	100058644	100061488	0	2	0	0	0	0	2844	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:100239203-100266423	exonic	ADH1B, ADH1C	4	100239203	100266423	0	2	0	0	0	0	27220	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:100824882-100844342	exonic	DNAJB14	4	100824882	100844342	0	2	0	0	0	0	19460	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:103610730-103645124	exonic	MANBA	4	103610730	103645124	0	1	2	2	0	0	34394	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:108930914-108935744	exonic	HADH	4	108930914	108935744	0	2	0	0	0	0	4830	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:122602825-122605926	exonic	ANXA5	4	122602825	122605926	0	2	0	0	0	0	3101	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:123107190-123111234	exonic	KIAA1109	4	123107190	123111234	0	2	0	0	0	0	4044	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:128595278-128609022	exonic	INTU	4	128595278	128609022	0	2	0	0	0	0	13744	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:144359151-144361535	exonic	GAB1	4	144359151	144361535	0	2	0	0	0	0	2384	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:146744573-146813567	exonic	ZNF827	4	146744573	146813567	0	2	0	0	0	0	68994	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:147425000-147438272	exonic	SLC10A7	4	147425000	147438272	0	2	0	0	0	0	13272	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:149741444-149752558	intergenic	<small>NR3C2(d1s1+377772).LOC101927849(d1s1+322889)</small>	4	149741444	149752558	0	2	0	0	0	0	11114	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:153562079-153574079	exonic	TMEM154	4	153562079	153574079	0	2	0	0	0	0	12000	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:154315413-154318485	exonic	MND1	4	154315413	154318485	0	2	0	0	0	0	3072	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:156617907-156625145	exonic	GUCY1A3	4	156617907	156625145	0	2	0	0	0	0	7238	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:16008160-16020163	exonic	PROM1	4	16008160	16020163	0	2	0	0	0	0	12003	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:160251009-160253849	exonic	RAPGEF2	4	160251009	160253849	0	2	0	0	0	0	2840	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:166184348-166220808	exonic	KLHL2	4	166184348	166220808	0	2	0	0	0	0	36460	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr4:170384393-170430003	exonic	NEK1	4	170384393	170430003	0	2	0	0	0	0	45610	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:1893893-1920350	exonic	WHSC1	4	1893893	1920350	0	2	0	0	0	0	26457	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:2659529-2717831	exonic	FAM193A	4	2659529	2717831	0	2	0	0	0	0	58302	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:39077584-39105131	exonic	KLHL5	4	39077584	39105131	0	2	0	0	0	0	27547	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:39900008-39902127	exonic	PDS5A	4	39900008	39902127	0	2	0	0	0	0	2119	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:42505467-42526864	exonic	ATP8A1	4	42505467	42526864	0	2	0	0	0	0	21397	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:4436496-4458984	exonic	STX18	4	4436496	4458984	0	2	0	0	0	0	22488	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:47877143-47888016	exonic	NFXL1	4	47877143	47888016	0	2	0	0	0	0	10873	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:56342129-56355632	exonic	CLOCK	4	56342129	56355632	0	2	0	0	0	0	13503	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:76677231-76677754	intronic	USO1	4	76677231	76677754	0	2	0	0	0	0	523	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:7770570-7780603	exonic	AFAP1	4	7770570	7780603	0	2	0	0	0	0	10033	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:79516534-79525553	exonic	ANXA3	4	79516534	79525553	0	2	0	0	0	0	9019	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:79747190-79782622	exonic	BMP2K	4	79747190	79782622	0	2	0	0	0	0	35432	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:83784470-83791577	exonic	SEC31A	4	83784470	83791577	0	2	0	0	0	0	7107	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:85781564-85853516	exonic	WDFY3	4	85781564	85853516	0	2	0	0	0	0	71952	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:87553975-87556524	exonic	PTPN13	4	87553975	87556524	0	2	0	0	0	0	2549	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:87593518-87622954	exonic	PTPN13	4	87593518	87622954	0	2	0	0	0	0	29436	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:87690921-87720357	exonic	PTPN13	4	87690921	87720357	0	2	2	0	0	0	29436	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:87967318-88016121	exonic	AFF1	4	87967318	88016121	0	2	0	0	0	0	48803	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr4:95796982-95820201	UTR5	<small>BMPR1B (NM_001203;c.-228594_-228525delins0)</small>	4	95796982	95820201	0	2	0	0	0	0	23219	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:114466288-114483091	exonic	TRIM36	5	114466288	114483091	0	2	0	0	0	0	16803	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:118443850-118444329	intronic	DMXL1	5	118443850	118444329	0	2	0	0	0	0	479	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:122130960-122139308	exonic	SNX2	5	122130960	122139308	0	2	0	0	0	0	8348	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:138456723-138463542	exonic	SIL1	5	138456723	138463542	0	2	0	0	0	0	6819	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:141732791-141843624	ncRNA_exonic	LOC101926941	5	141732791	141843624	0	2	0	0	0	0	110833	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:143119770-143146640	intergenic	<small>MIR5197 (dist=60234), HMIB1 (dist=45086)</small>	5	143119770	143146640	0	2	0	0	0	0	26870	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:1470940-1483601	exonic	LPCAT1	5	1470940	1483601	0	2	0	0	0	0	12661	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:157184082-157185217	UTR3	<small>LSM11 (NM_173491;c.+1810_+2945delins0)</small>	5	157184082	157185217	0	2	0	0	0	0	1135	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:162870680-162871487	UTR3	<small>CTSD (NM_020201;c.+4911a1aa;NM_064801;c.+4911a1aa)</small>	5	162870680	162871487	0	2	0	0	0	0	807	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:170585338-170669824	exonic	RANBP17	5	170585338	170669824	0	2	0	0	0	0	84486	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:170610325-170669824	exonic	RANBP17	5	170610325	170669824	0	2	0	0	0	0	59499	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:171272510-171274753	intergenic	<small>SMIM23 (dist=54418), FBXW11 (dist=13803)</small>	5	171272510	171274753	0	2	0	0	0	0	2243	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:175716656-175723323	exonic	SIMC1	5	175716656	175723323	0	2	0	0	0	0	6667	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:228299-233760	exonic	SDHA	5	228299	233760	0	2	0	0	0	0	5461	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:40746900-40771965	exonic	PRKAA1, TTC33	5	40746900	40771965	0	2	0	0	0	0	25065	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr5:59284315-59300173	exonic	PDE4D	5	59284315	59300173	0	2	0	0	0	0	15858	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:66426037-66438065	exonic	MAST4	5	66426037	66438065	0	2	0	0	0	0	12028	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:68800003-68809936	exonic	OCLN	5	68800003	68809936	0	2	0	0	0	0	9933	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:68807353-68807739	intronic	OCLN	5	68807353	68807739	0	2	0	0	0	0	386	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:74932978-74935116	intronic	ANKDD1B	5	74932978	74935116	0	2	0	0	0	0	2138	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:76342171-76342502	exonic	AGGF1	5	76342171	76342502	0	2	0	0	0	0	331	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:76621363-76649231	exonic	PDE8B	5	76621363	76649231	0	2	0	0	0	0	27868	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:76758919-76760634	exonic	WDR41	5	76758919	76760634	0	2	0	0	0	0	1715	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:82832825-82838087	exonic	VCAN	5	82832825	82838087	0	2	0	0	0	0	5262	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:86653452-86655994	intronic	RASA1	5	86653452	86655994	0	2	0	0	0	0	2542	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:90059121-90098699	exonic	ADGRV1	5	90059121	90098699	0	2	0	0	0	0	39578	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:94244955-94248681	exonic	MCTP1	5	94244955	94248681	0	2	0	0	0	0	3726	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr5:95084036-95103870	exonic	RHOBTB3	5	95084036	95103870	0	2	0	0	0	0	19834	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:101214440-101248380	exonic	ASCC3	6	101214440	101248380	0	2	0	0	0	0	33940	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:10935290-10956475	exonic	SYCP2L	6	10935290	10956475	0	2	0	0	0	0	21185	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:110620124-110644075	exonic	METTL24	6	110620124	110644075	0	2	0	0	0	0	23951	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:125366357-125367807	exonic	RNF217	6	125366357	125367807	0	2	0	0	0	0	1450	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:129371062-129419560	exonic	LAMA2	6	129371062	129419560	0	2	0	0	0	0	48498	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:129486720-129513998	exonic	LAMA2	6	129486720	129513998	0	2	0	0	0	0	27278	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:13652890-13697128	exonic	RANBP9	6	13652890	13697128	0	2	0	0	0	0	44238	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:136582168-136589477	exonic	BCLAF1	6	136582168	136589477	0	2	0	0	0	0	7309	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:144167187-144179144	exonic	LTV1	6	144167187	144179144	0	2	0	0	0	0	11957	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:144772505-144838084	exonic	UTRN	6	144772505	144838084	0	2	0	0	0	0	65579	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:149833290-149838586	exonic	PPIL4	6	149833290	149838586	0	2	0	0	0	0	5296	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:154567724-154587098	exonic	IPCEF1, OPRM1	6	154567724	154587098	0	2	0	0	0	0	19374	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:157120799-157150555	exonic	ARID1B	6	157120799	157150555	0	2	0	0	0	0	29756	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:157262757-157276838	intronic	ARID1B	6	157262757	157276838	0	2	0	0	0	0	14081	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:161443042-161471011	exonic	MAP3K4	6	161443042	161471011	0	2	0	0	0	0	27969	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:170159933-170173498	exonic	ERMARD	6	170159933	170173498	0	2	0	0	0	0	13565	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:21108632-21201505	exonic	CDKAL1	6	21108632	21201505	0	2	0	0	0	0	92873	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:26402525-26411809	exonic	BTN3A1	6	26402525	26411809	0	2	0	0	0	0	9284	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:26423161-26458946	exonic	BTN2A1, BTN3A3	6	26423161	26458946	0	2	0	0	0	0	35785	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:2836089-2840828	exonic	SERPINB1	6	2836089	2840828	0	2	0	0	0	0	4739	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:29858023-29912393	exonic	HLA-A	6	29858023	29912393	0	2	0	0	0	0	54370	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:3271147-3271318	UTR3	-----	6	3271147	3271318	0	2	0	0	0	0	171	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr6:32942238-32946165	exonic	BRD2	6	32942238	32946165	0	2	0	0	0	0	3927	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:37345131-37345793	intronic	RNF8	6	37345131	37345793	0	2	0	0	0	0	662	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:44371545-44392320	exonic	CDC5L	6	44371545	44392320	0	2	0	0	0	0	20775	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:47501338-47522502	exonic	CD2AP	6	47501338	47522502	0	2	0	0	0	0	21164	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:51656033-51735437	exonic	PKHD1	6	51656033	51735437	0	2	0	0	0	0	79404	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:51695658-51720868	exonic	PKHD1	6	51695658	51720868	0	2	0	0	0	0	25210	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:51695658-51752043	exonic	PKHD1	6	51695658	51752043	0	2	0	0	0	0	56385	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:51882207-51900519	exonic	PKHD1	6	51882207	51900519	0	2	0	0	0	0	18312	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:53138017-53140059	exonic	ELOVL5	6	53138017	53140059	0	2	0	0	0	0	2042	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:82933156-82941559	exonic	IBTK	6	82933156	82941559	0	2	0	0	0	0	8403	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:84910506-84925640	exonic	CEP162	6	84910506	84925640	0	2	0	0	0	0	15134	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:88066019-88108095	exonic	C6orf163	6	88066019	88108095	0	2	0	0	0	0	42076	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:88251635-88273950	exonic	RARS2	6	88251635	88273950	0	2	0	0	0	0	22315	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:90491117-90513273	exonic	MDN1	6	90491117	90513273	0	2	0	0	0	0	22156	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:99347143-99382755	exonic	FBXL4	6	99347143	99382755	0	2	0	0	0	0	35612	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr6:99781226-99790909	exonic	FAXC	6	99781226	99790909	0	2	0	0	0	0	9683	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:100173973-100174316	splicing	LRCH4	7	100173973	100174316	0	2	0	0	0	0	343	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:104678573-104731761	exonic	KMT2E	7	104678573	104731761	0	2	0	0	0	0	53188	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:111575594-111644186	exonic	DOCK4	7	111575594	111644186	0	2	0	0	0	0	68592	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:129501654-129528424	exonic	UBE2H	7	129501654	129528424	0	2	0	0	0	0	26770	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:130650923-130662006	ncRNA_exonic	LINC-PINT	7	130650923	130662006	0	2	0	0	0	0	11083	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:134882744-134894507	exonic	WDR91	7	134882744	134894507	0	2	0	0	0	0	11763	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:151167657-151195266	exonic	RHEB	7	151167657	151195266	0	2	0	0	0	0	27609	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:151447106-151448293	intronic	PRKAG2	7	151447106	151448293	0	2	0	0	0	0	1187	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:156961741-157041274	exonic	UBE3C	7	156961741	157041274	0	2	0	0	0	0	79533	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:158794018-158802129	ncRNA_exonic	LINC00689	7	158794018	158802129	0	2	0	0	0	0	8111	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:17908030-17946963	exonic	SNX13	7	17908030	17946963	0	2	0	0	0	0	38933	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:18694386-18706099	exonic	HDAC9	7	18694386	18706099	0	2	0	0	0	0	11713	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:21840754-21847667	exonic	DNAH11	7	21840754	21847667	0	2	0	0	0	0	6913	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:21840755-21857957	exonic	DNAH11	7	21840755	21857957	0	2	0	0	0	0	17202	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:23552512-23562051	exonic	TRA2A	7	23552512	23562051	0	2	0	0	0	0	9539	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:23555981-23562051	exonic	TRA2A	7	23555981	23562051	0	2	0	0	0	0	6070	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:26236426-26237352	exonic	HNRNPA2B1	7	26236426	26237352	0	2	0	0	0	0	926	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:50737419-50800065	exonic	GRB10	7	50737419	50800065	0	2	0	0	0	0	62646	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:50771517-50823753	exonic	GRB10	7	50771517	50823753	0	2	0	0	0	0	52236	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr7:50793710-50800065	exonic	GRB10	7	50793710	50800065	0	2	0	0	0	0	6355	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:56045818-56049260	exonic	GBAS	7	56045818	56049260	0	2	0	0	0	0	3442	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:56123316-56124107	exonic	CCT6A	7	56123316	56124107	0	2	0	0	0	0	791	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:6018226-6031688	exonic	PMS2	7	6018226	6031688	0	2	0	0	0	0	13462	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:6026389-6031688	exonic	PMS2	7	6026389	6031688	0	2	0	0	0	0	5299	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:6465618-6476164	exonic	DAGLB	7	6465618	6476164	0	2	0	0	0	0	10546	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:6825579-6831628	exonic	RSPH10B, RSPH10B2	7	6825579	6831628	0	2	0	0	0	0	6049	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:77265099-77268641	exonic	PTPN12	7	77265099	77268641	0	2	0	0	0	0	3542	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:86792810-86803985	exonic	DMTF1	7	86792810	86803985	0	2	0	0	0	0	11175	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:90350138-90377090	exonic	CDK14	7	90350138	90377090	0	2	0	0	0	0	26952	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr7:99088700-99092254	exonic	ZNF394	7	99088700	99092254	0	2	0	0	0	0	3554	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:101232506-101245765	exonic	SPAG1	8	101232506	101245765	0	2	0	0	0	0	13259	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:103387525-103388826	intronic	UBR5	8	103387525	103388826	0	2	0	0	0	0	1301	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:103846416-103852051	exonic	AZIN1	8	103846416	103852051	0	2	0	0	0	0	5635	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:127877673-127890035	intergenic	<small>FAM84B (dist=306962), PCAT1 (dist=135364)</small>	8	127877673	127890035	0	2	0	0	0	0	12362	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:130788347-130789837	exonic	GSDMC	8	130788347	130789837	0	2	0	0	0	0	1490	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:131127873-131199531	exonic	ASAP1	8	131127873	131199531	0	2	0	0	0	0	71658	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:133595940-133673873	exonic	LRRC6	8	133595940	133673873	0	2	0	0	0	0	77933	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:141301092-141358045	exonic	TRAPPC9	8	141301092	141358045	0	2	0	0	0	0	56953	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:141799573-141931231	exonic	PTK2	8	141799573	141931231	0	2	0	0	0	0	131658	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:145251101-145251354	intronic	MROH1	8	145251101	145251354	0	2	0	0	0	0	253	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:16021573-16035501	exonic	MSR1	8	16021573	16035501	0	2	0	0	0	0	13928	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:22880210-22881773	exonic	TNFRSF10B	8	22880210	22881773	0	2	0	0	0	0	1563	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:27145553-27156076	exonic	TRIM35	8	27145553	27156076	0	2	0	0	0	0	10523	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:28989824-28991727	exonic	KIF13B	8	28989824	28991727	0	2	0	0	0	0	1903	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:62559308-62563683	exonic	ASPH	8	62559308	62563683	0	2	0	0	0	0	4375	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:67988716-68024300	exonic	CSPP1	8	67988716	68024300	0	2	0	0	0	0	35584	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:71031177-71032742	intronic	NCOA2	8	71031177	71032742	0	2	0	0	0	0	1565	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:71126138-71176702	exonic	NCOA2	8	71126138	71176702	0	2	0	0	0	0	50564	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:71506740-71512317	exonic	TRAM1	8	71506740	71512317	0	2	0	0	0	0	5577	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:8993536-8993683	downstream	PPP1R3B (dist=81)	8	8993536	8993683	0	2	0	0	0	0	147	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:95521915-95527179	exonic	KIAA1429	8	95521915	95527179	0	2	0	0	0	0	5264	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr8:95735456-95737064	intronic	DPY19L4	8	95735456	95737064	0	2	0	0	0	0	1608	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:103261046-103312442	exonic	MSANTD3-TMEFF1, TMEFF1	9	103261046	103312442	0	2	0	0	0	0	51396	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:114155047-114172493	exonic	KIAA0368	9	114155047	114172493	0	2	0	0	0	0	17446	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924

chr9:114353500-114353759	intronic	PTGR1	9	114353500	114353759	0	2	0	0	0	0	259	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:114904599-114905903	exonic	SUSD1	9	114904599	114905903	0	2	0	0	0	0	1304	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:115167903-115216442	exonic	HSDL2	9	115167903	115216442	0	2	0	0	0	0	48539	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:123924133-123933826	exonic	CNTRL	9	123924133	123933826	0	2	0	0	0	0	9693	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:125047448-125048445	exonic	MRRF	9	125047448	125048445	0	2	0	0	0	0	997	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:126414291-126641300	exonic	DENND1A	9	126414291	126641300	0	2	0	0	0	0	227009	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:129154344-129184227	exonic	MVB12B	9	129154344	129184227	0	2	0	0	0	0	29883	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:137619112-137623973	exonic	COL5A1	9	137619112	137623973	0	2	0	0	0	0	4861	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:140605418-140622981	exonic	EHMT1	9	140605418	140622981	0	2	0	0	0	0	17563	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:15563975-15591554	exonic	CCDC171	9	15563975	15591554	0	2	0	0	0	0	27579	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:15563975-15594170	exonic	CCDC171	9	15563975	15594170	0	2	0	0	0	0	30195	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:20448120-20456784	exonic	MLLT3	9	20448120	20456784	0	2	0	0	0	0	8664	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:20715320-20720533	exonic	FOCAD	9	20715320	20720533	0	2	0	0	0	0	5213	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:33311103-33332500	exonic	NFX1	9	33311103	33332500	0	2	0	0	0	0	21397	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:33338507-33347115	exonic	NFX1	9	33338507	33347115	0	2	0	0	0	0	8608	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:33971648-33989124	exonic	UBAP2	9	33971648	33989124	0	2	0	0	0	0	17476	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:3932359-3937189	exonic	GLIS3	9	3932359	3937189	0	2	0	0	0	0	4830	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:414781-418207	exonic	DOCK8	9	414781	418207	0	2	0	0	0	0	3426	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:6849506-6893232	exonic	KDM4C	9	6849506	6893232	0	2	0	0	0	0	43726	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr9:98643150-98669553	exonic	ERCC6L2	9	98643150	98669553	0	2	0	0	0	0	26403	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:153996576-153997585	exonic	DKC1	X	153996576	153997585	0	2	0	0	0	0	1009	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:20222139-20227522	exonic	RPS6KA3	X	20222139	20227522	0	2	0	0	0	0	5383	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:299338-322325	exonic	PPP2R3B	X	299338	322325	0	2	0	0	0	0	22987	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:3735586-3747433	ncRNA_exonic	LOC389906	X	3735586	3747433	0	2	0	0	0	0	11847	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:3772733-3785847	intergenic	<small>LOC389906 (41-1-10798), LOC101928201 (41-11-72694)</small>	X	3772733	3785847	0	2	0	0	0	0	13114	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:53439849-53440385	exonic	SMC1A	X	53439849	53440385	0	2	0	0	0	0	536	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:67494580-67583708	exonic	OPHN1	X	67494580	67583708	0	2	0	0	0	0	89128	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:76812921-76849319	exonic	ATRX	X	76812921	76849319	0	2	0	0	0	0	36398	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chrX:96638878-96639043	exonic	DIAPH2	X	96638878	96639043	0	2	0	0	0	0	165	0.348551598	1.987763182	4.032542752	0.492930467	0.622061719	0.998252924
chr2:44200745-44209573	exonic	LRPPRC	2	44200745	44209573	1	1	2	0	0	1	8828	1.006019402	1.993070113	2.674350288	0.745253949	NA	NA
chr1:21415630-21437876	UTR5	-----	1	21415630	21437876	0	4	0	0	1	0	22246	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA
chr1:93142714-93170301	exonic	EVI5	1	93142714	93170301	0	4	0	0	1	0	27587	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA
chr11:12159936-12183966	exonic	MICAL2	11	12159936	12183966	0	4	0	0	1	0	24030	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA
chr2:53921020-53978078	exonic	ASB3, GPR75-ASB3	2	53921020	53978078	0	4	0	0	1	0	57058	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA
chr6:46849191-46851402	exonic	ADGRF5	6	46849191	46851402	0	4	0	0	1	0	2211	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA

chr7:155457868-155493638	exonic	RBM33	7	155457868	155493638	0	4	0	0	1	0	35770	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA
chr9:14639893-14662324	exonic	ZDHC21	9	14639893	14662324	0	4	0	0	1	0	22431	0.818130618	1.99568161	3.296608337	0.605374192	NA	NA
chr1:202396167-202418299	exonic	PPP1R12B	1	202396167	202418299	0	4	0	0	0	1	22132	1.005321805	1.996159023	3.115119712	0.64079689	NA	NA
chr12:124904502-124979914	exonic	NCOR2	12	124904502	124979914	0	4	0	0	0	1	75412	1.005321805	1.996159023	3.115119712	0.64079689	NA	NA
chr17:1437392-1461853	exonic	PITPNA	17	1437392	1461853	0	4	0	0	0	1	24461	1.005321805	1.996159023	3.115119712	0.64079689	NA	NA
chr6:56989531-57006893	exonic	ZNF451	6	56989531	57006893	0	4	0	0	0	1	17362	1.005321805	1.996159023	3.115119712	0.64079689	NA	NA
chr7:77214859-77256992	exonic	PTPN12	7	77214859	77256992	0	4	0	0	0	1	42133	1.005321805	1.996159023	3.115119712	0.64079689	NA	NA
chr8:94798450-94811986	exonic	TMEM67	8	94798450	94811986	0	4	0	0	0	1	13536	1.005321805	1.996159023	3.115119712	0.64079689	NA	NA
chr3:179310431-179316559	exonic	MRPL47	3	179310431	179316559	1	2	1	1	0	0	6128	0.781118952	1.997959987	2.846903602	0.701801068	0.482803233	0.998252924
chrX:154018228-154020560	exonic	MPP1	X	154018228	154020560	0	0	6	0	2	0	2332	1.425668997	2.003330675	2.721692161	0.736060714	NA	NA
chr1:52943379-52947595	exonic	ZCCHC11	1	52943379	52947595	6	3	1	3	0	0	4216	1.812952235	2.005718904	2.079666903	0.964442383	0.334824182	0.998252924
chr1:67405710-67428843	exonic	MIER1	1	67405710	67428843	4	1	2	2	0	0	23133	1.297384392	2.006628525	2.341114978	0.857125149	0.391375724	0.998252924
chr1:151060666-151090615	exonic	GABPB2	1	151060666	151090615	2	5	2	3	0	0	29949	1.842825087	2.012609113	2.062950941	0.975597176	NA	NA
chr15:73052747-73067438	exonic	ADPGK	15	73052747	73067438	1	3	1	3	0	0	14691	1.842825087	2.012609113	2.062950941	0.975597176	NA	NA
chr1:15964801-15976318	exonic	DDI2	1	15964801	15976318	3	4	0	2	0	0	11517	1.296686795	2.013332497	2.519481206	0.799105979	0.424228963	0.998252924
chr1:15964801-15978390	exonic	DDI2	1	15964801	15978390	3	4	0	2	0	0	13589	1.296686795	2.013332497	2.519481206	0.799105979	0.424228963	0.998252924
chr6:167435897-167458064	exonic	FGFR10P	6	167435897	167458064	3	4	0	2	0	0	22167	1.296686795	2.013332497	2.519481206	0.799105979	0.424228963	0.998252924
chr16:74491771-74493687	exonic	GLG1	16	74491771	74493687	4	1	0	0	1	0	1916	0.811250992	2.017646829	3.021998223	0.667653215	0.504354981	0.998252924
chr22:29090019-29091861	exonic	CHEK2	22	29090019	29091861	4	1	0	0	1	0	1842	0.811250992	2.017646829	3.021998223	0.667653215	0.504354981	0.998252924
chr3:194180199-194182965	exonic	ATP13A3	3	194180199	194182965	4	1	0	0	1	0	2766	0.811250992	2.017646829	3.021998223	0.667653215	0.504354981	0.998252924
chr15:77020935-77046289	exonic	SCAPER	15	77020935	77046289	1	0	5	2	0	0	25354	1.327954841	2.02613968	2.560116302	0.791424858	NA	NA
chr11:24927536-25004839	exonic	LUZP2	11	24927536	25004839	9	0	0	0	2	0	77303	1.402937329	2.027528002	2.714680402	0.746875397	NA	NA
chr15:44776421-44778898	exonic	CTDSPL2	15	44776421	44778898	1	0	3	0	1	0	2477	0.841821441	2.034318819	3.001487973	0.677770105	0.497917469	0.998252924
chr20:20634173-20661445	exonic	RALGAPA2	20	20634173	20661445	0	3	1	0	0	1	27272	1.028315032	2.036717911	2.856153145	0.713098286	0.47578494	0.998252924
chr3:196807921-196846401	exonic	DLG1	3	196807921	196846401	0	3	1	0	0	1	38480	1.028315032	2.036717911	2.856153145	0.713098286	0.47578494	0.998252924
chr1:21267983-21276601	exonic	EIF4G3	1	21267983	21276601	0	3	1	0	1	0	8618	0.841123845	2.037096088	3.002403826	0.678488373	0.497462093	0.998252924
chr12:7556130-7586290	exonic	CDI63L1	12	7556130	7586290	0	3	1	0	1	0	30160	0.841123845	2.037096088	3.002403826	0.678488373	0.497462093	0.998252924
chr17:526772-534868	exonic	VPS53	17	526772	534868	0	3	1	0	1	0	8096	0.841123845	2.037096088	3.002403826	0.678488373	0.497462093	0.998252924
chr6:101214440-101215221	exonic	ASCC3	6	101214440	101215221	0	3	1	0	1	0	781	0.841123845	2.037096088	3.002403826	0.678488373	0.497462093	0.998252924
chr9:20881869-20933102	exonic	FOCAD	9	20881869	20933102	0	3	1	0	1	0	51233	0.841123845	2.037096088	3.002403826	0.678488373	0.497462093	0.998252924
chr17:62882203-62885870	exonic	LRRC37A3	17	62882203	62885870	1	1	2	1	0	0	3667	0.804112178	2.03841472	2.822543979	0.722190596	0.470177304	0.998252924
chr9:114202651-114206774	exonic	KIAA0368	9	114202651	114206774	1	1	2	1	0	0	4123	0.804112178	2.03841472	2.822543979	0.722190596	0.470177304	0.998252924
chr3:47466974-47470160	exonic	SCAP	3	47466974	47470160	7	0	6	2	2	0	3186	2.541200367	2.041254594	1.856811731	1.099333099	0.2716228	0.998252924
chr1:28120043-28138779	exonic	STX12	1	28120043	28138779	0	4	0	1	0	0	18736	0.803414581	2.046554386	3.320205537	0.616393884	NA	NA
chr6:129687363-129725104	exonic	LAMA2	6	129687363	129725104	4	0	1	0	1	0	37741	0.834244218	2.057607371	2.995434839	0.686914415	0.492136662	0.998252924

chr13:20049713-20144428	exonic	TPTE2	13	20049713	20144428	0	3	6	0	3	0	94715	2.069523816	2.05769061	2.188051861	0.940421316	0.347001493	0.998252924
chr4:75040222-75091111	exonic	MTHFD2L	4	75040222	75091111	4	3	3	2	1	0	50889	1.964232437	2.062436549	1.868650953	1.103703474	0.269721788	0.998252924
chr7:63981442-64004810	exonic	ZNF680	7	63981442	64004810	2	5	0	2	0	0	23368	1.341975651	2.066264023	2.508393511	0.823739981	0.410087317	0.998252924
chr1:150413398-150416853	exonic	RPRD2	1	150413398	150416853	0	1	1	0	0	0	3455	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:161761197-161762117	exonic	ATF6	1	161761197	161762117	0	1	1	0	0	0	920	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:171537385-171544267	exonic	PRRC2C	1	171537385	171544267	0	1	1	0	0	0	6882	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:176118141-176153828	exonic	RFWD2	1	176118141	176153828	0	1	1	0	0	0	35687	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:178846632-178863159	exonic	RALGPS2	1	178846632	178863159	0	1	1	0	0	0	16527	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:233344263-233372726	exonic	PCNXL2	1	233344263	233372726	0	1	1	0	0	0	28463	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:245165422-245222760	exonic	EFCAB2	1	245165422	245222760	0	1	1	0	0	0	57338	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:38039943-38042157	exonic	GNL2	1	38039943	38042157	0	1	1	0	0	0	2214	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr10:126176990-126186697	exonic	LHPP	10	126176990	126186697	0	1	1	0	0	0	9707	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr10:5998341-6002530	exonic	IL15RA	10	5998341	6002530	0	1	1	0	0	0	4189	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr11:46098304-46105853	exonic	PHF21A	11	46098304	46105853	0	1	1	0	0	0	7549	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr11:66947549-66975159	exonic	KDM2A	11	66947549	66975159	0	1	1	0	0	0	27610	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr11:85707868-85718626	exonic	PICALM	11	85707868	85718626	0	1	1	0	0	0	10758	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr12:57037186-57039137	exonic	ATP5B	12	57037186	57039137	0	1	1	0	0	0	1951	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr12:69044179-69045831	exonic	RAP1B	12	69044179	69045831	0	1	1	0	0	0	1652	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr13:28611321-28624359	exonic	FLT3	13	28611321	28624359	0	1	1	0	0	0	13038	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr14:23771087-23771368	splicing	PPP1R3E	14	23771087	23771368	0	1	1	0	0	0	281	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr14:50933300-50943024	exonic	MAP4K5	14	50933300	50943024	0	1	1	0	0	0	9724	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr14:64653141-64655426	exonic	SYNE2	14	64653141	64655426	0	1	1	0	0	0	2285	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr14:91937180-91957146	exonic	PPP4R3A	14	91937180	91957146	0	1	1	0	0	0	19966	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr14:92278655-92280169	exonic	TC2N	14	92278655	92280169	0	1	1	0	0	0	1514	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr15:60734614-60758912	exonic	ICE2	15	60734614	60758912	0	1	1	0	0	0	24298	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr16:18826496-18856973	exonic	SMG1	16	18826496	18856973	0	1	1	0	0	0	30477	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr17:62557617-62568074	exonic	SMURF2	17	62557617	62568074	0	1	1	0	0	0	10457	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr17:62750122-62750772	ncRNA_exonic	LOC146880	17	62750122	62750772	0	1	1	0	0	0	650	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr18:13048857-13059311	exonic	CEP192	18	13048857	13059311	0	1	1	0	0	0	10454	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr19:34929549-34936026	exonic	UBA2	19	34929549	34936026	0	1	1	0	0	0	6477	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr19:41088256-41089623	exonic	SHKBP1	19	41088256	41089623	0	1	1	0	0	0	1367	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr19:5016267-5033042	exonic	KDM4B	19	5016267	5033042	0	1	1	0	0	0	16775	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr2:203147073-203152447	exonic	NOP58	2	203147073	203152447	0	1	1	0	0	0	5374	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr2:206911227-206927968	exonic	INO80D	2	206911227	206927968	0	1	1	0	0	0	16741	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr2:44139570-44153100	exonic	LRPPRC	2	44139570	44153100	0	1	1	0	0	0	13530	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924

chr2:44145163-44153100	exonic	LRPPRC	2	44145163	44153100	0	1	1	0	0	0	7937	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr2:54093221-54114604	exonic	PSME4	2	54093221	54114604	0	1	1	0	0	0	21383	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr2:55785910-55800913	exonic	PPP4R3B	2	55785910	55800913	0	1	1	0	0	0	15003	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr2:85584089-85584375	exonic	ELMOD3	2	85584089	85584375	0	1	1	0	0	0	286	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr20:42331129-42333998	exonic	MYBL2	20	42331129	42333998	0	1	1	0	0	0	2869	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr22:30032739-30035201	exonic	NF2	22	30032739	30035201	0	1	1	0	0	0	2462	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr22:41303590-41310328	exonic	XPNPEP3	22	41303590	41310328	0	1	1	0	0	0	6738	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr3:124996569-125032500	exonic	ZNF148	3	124996569	125032500	0	1	1	0	0	0	35931	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr3:130435239-130449286	exonic	PIK3R4	3	130435239	130449286	0	1	1	0	0	0	14047	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr3:142074242-142089462	exonic	XRN1	3	142074242	142089462	0	1	1	0	0	0	15220	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr3:152017193-152132900	exonic	MBNL1	3	152017193	152132900	0	1	1	0	0	0	115707	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr4:110448477-110454841	exonic	SEC24B	4	110448477	110454841	0	1	1	0	0	0	6364	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr4:143226610-143383879	exonic	INPP4B	4	143226610	143383879	0	1	1	0	0	0	157269	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr4:154501977-154510159	exonic	KIAA0922	4	154501977	154510159	0	1	1	0	0	0	8182	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr4:39863838-39927553	exonic	PDS5A	4	39863838	39927553	0	1	1	0	0	0	63715	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr4:88973142-88987031	exonic	PKD2	4	88973142	88987031	0	1	1	0	0	0	13889	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr5:109065042-109110666	exonic	MAN2A1	5	109065042	109110666	0	1	1	0	0	0	45624	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr5:1488505-1501718	exonic	LPCAT1	5	1488505	1501718	0	1	1	0	0	0	13213	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr6:32938974-32939367	UTR5		6	32938974	32939367	0	1	1	0	0	0	393	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr7:20406634-20420454	exonic	ITGB8	7	20406634	20420454	0	1	1	0	0	0	13820	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr7:24689230-24708279	exonic	MPP6	7	24689230	24708279	0	1	1	0	0	0	19049	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr9:128305337-128322088	exonic	MAPKAP1	9	128305337	128322088	0	1	1	0	0	0	16751	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chrX:117521302-117532433	exonic	WDR44	X	117521302	117532433	0	1	1	0	0	0	11131	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chrX:2871183-2873578	exonic	ARSE	X	2871183	2873578	0	1	1	0	0	0	2395	0.371544825	2.067904581	4.025867196	0.513654445	0.607493607	0.998252924
chr1:235956802-235964397	exonic	LYST	1	235956802	235964397	0	2	2	0	1	0	7595	0.864117071	2.076663608	2.95806062	0.702035514	0.482657016	0.998252924
chr1:154061896-154091284	exonic	NUP210L	1	154061896	154091284	1	3	3	0	2	0	29388	1.48567626	2.078113539	2.252053867	0.922763691	0.356130366	0.998252924
chr20:36668836-36694658	exonic	RPRD1B	20	36668836	36694658	1	0	3	1	0	0	25822	0.827105405	2.082123785	3.021673155	0.689063204	0.490783494	0.998252924
chr8:41832221-41845081	exonic	KAT6A	8	41832221	41845081	1	0	3	1	0	0	12860	0.827105405	2.082123785	3.021673155	0.689063204	0.490783494	0.998252924
chr1:213170496-213186760	exonic	ANGEL2	1	213170496	213186760	0	3	1	1	0	0	16264	0.826407808	2.08486543	3.022610428	0.68975658	0.490347278	0.998252924
chr10:128795011-128797699	exonic	DOCK1	10	128795011	128797699	3	2	0	0	1	0	2688	0.856539848	2.09970748	2.94326987	0.713392782	0.475602738	0.998252924
chr15:65998428-66053776	exonic	DENND4A	15	65998428	66053776	0	2	0	0	1	0	55348	0.856539848	2.09970748	2.94326987	0.713392782	0.475602738	0.998252924
chr16:68155889-68225678	exonic	NFATC3	16	68155889	68225678	4	0	1	1	0	0	69789	0.819528182	2.104848649	3.015934957	0.697909165	0.485234002	0.998252924
chr3:72890195-72893574	exonic	SHQ1	3	72890195	72893574	4	0	1	1	0	0	3379	0.819528182	2.104848649	3.015934957	0.697909165	0.485234002	0.998252924
chr1:40656443-40668286	exonic	RLF	1	40656443	40668286	4	7	0	0	3	0	11843	2.09896063	2.105881837	2.152845459	0.978185326	0.327982673	0.998252924
chr5:145197456-145205763	exonic	PRELID2	5	145197456	145205763	8	0	2	1	0	1	8307	1.840963587	2.106636806	2.155948639	0.977127548	0.328506011	0.998252924

chr1:235357327-235377341	exonic	ARID4B	1	235357327	235377341	2	3	2	2	0	0	20014	1.387962104	2.106825888	2.272453191	0.927115197	0.353866726	0.998252924
chr16:1403209-1404340	intronic	GNPTG	16	1403209	1404340	3	0	4	2	0	0	1131	1.388659701	2.11367117	2.471989468	0.855048614	0.392524235	0.998252924
chr1:244715623-244724447	exonic	Clorf101	1	244715623	244724447	0	1	3	0	0	1	8824	1.074301484	2.113936028	2.820865606	0.749392677	NA	NA
chr11:128932174-128936763	exonic	ARHGAP32	11	128932174	128936763	0	1	3	0	0	1	4589	1.074301484	2.113936028	2.820865606	0.749392677	NA	NA
chr1:31465236-31468067	exonic	PUM1	1	31465236	31468067	9	5	6	5	1	0	2831	3.868459981	2.114497898	1.451512638	1.456754728	NA	NA
chr1:42041214-42050989	exonic	HIVEP3	1	42041214	42050989	1	3	3	1	1	0	9775	1.470960224	2.122565192	2.137130796	0.993184505	0.320620048	0.998252924
chr1:167935866-167944253	exonic	DCAF6	1	167935866	167944253	0	2	2	1	0	0	8387	0.849401034	2.12398167	2.977585179	0.713323563	0.47564556	0.998252924
chr9:5924657-5954095	exonic	KIAA2026	9	5924657	5954095	0	2	2	1	0	0	29438	0.849401034	2.12398167	2.977585179	0.713323563	0.47564556	0.998252924
chr4:108603170-108622441	exonic	PAPSS1	4	108603170	108622441	5	3	0	2	0	0	19271	1.380384881	2.12732052	2.463311074	0.863602061	0.387806532	0.998252924
chr15:78337241-78346529	exonic	TBC1D2B	15	78337241	78346529	2	2	3	2	0	0	9288	1.410955331	2.130170676	2.263089318	0.941266727	0.346568189	0.998252924
chr17:40652724-40653322	exonic	ATP6VOA1	17	40652724	40653322	8	4	2	4	0	0	598	2.54878233	2.138620306	1.828093066	1.169864022	NA	NA
chr17:45741524-45745776	exonic	KPNB1	17	45741524	45745776	3	1	1	0	1	0	4252	0.879533075	2.141284187	2.724121077	0.786045894	0.431840601	0.998252924
chr2:68717321-68772444	exonic	APLF	2	68717321	68772444	14	5	10	11	4	0	55123	4.724997459	2.143485936	1.317915549	1.626421312	0.10386006	0.998252924
chr1:109170788-109171426	exonic	FAM102B	1	109170788	109171426	0	0	2	0	0	0	638	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:109473685-109475544	UTR3		1	109473685	109475544	0	0	2	0	0	0	1859	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:113187062-113187993	intronic	CAPZA1	1	113187062	113187993	0	0	2	0	0	0	931	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:114252875-114254735	exonic	PHTF1	1	114252875	114254735	0	0	2	0	0	0	1860	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:145683574-145687091	exonic	RNF115	1	145683574	145687091	0	0	2	0	0	0	3517	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:150312873-150321694	exonic	PRPF3	1	150312873	150321694	0	0	2	0	0	0	8821	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:154145384-154145677	exonic	TPM3	1	154145384	154145677	0	0	2	0	0	0	293	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:155679563-155695810	exonic	DAP3	1	155679563	155695810	0	0	2	0	0	0	16247	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:15684605-15689222	exonic	FHAD1	1	15684605	15689222	0	0	2	0	0	0	4617	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:174668662-174671394	exonic	RABGAP1L	1	174668662	174671394	0	0	2	0	0	0	2732	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:180756888-180780624	exonic	XPR1	1	180756888	180780624	0	0	2	0	0	0	23736	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:197086918-197094321	exonic	ASPM	1	197086918	197094321	0	0	2	0	0	0	7403	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:203786053-203809502	exonic	ZC3H11A	1	203786053	203809502	0	0	2	0	0	0	23449	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:219366472-219392054	exonic	LYPLAL1	1	219366472	219392054	0	0	2	0	0	0	25582	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:220152759-220180680	exonic	EPRS	1	220152759	220180680	0	0	2	0	0	0	27921	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:224599129-224601037	exonic	WDR26	1	224599129	224601037	0	0	2	0	0	0	1908	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:225140372-225156576	exonic	DNAH14	1	225140372	225156576	0	0	2	0	0	0	16204	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:225161792-225211567	exonic	DNAH14	1	225161792	225211567	0	0	2	0	0	0	49775	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:233150410-233161145	exonic	PCNXL2	1	233150410	233161145	0	0	2	0	0	0	10735	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:23381561-23384058	exonic	KDM1A	1	23381561	23384058	0	0	2	0	0	0	2497	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:23381562-23395644	exonic	KDM1A	1	23381562	23395644	0	0	2	0	0	0	14082	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:235498557-235506198	exonic	GGPS1	1	235498557	235506198	0	0	2	0	0	0	7641	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr1:243977294-243979043	intronic	AKT3	1	243977294	243979043	0	0	2	0	0	0	1749	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:24984821-24985579	intronic	SRRM1	1	24984821	24985579	0	0	2	0	0	0	758	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:39646791-39647597	intronic	MACF1	1	39646791	39647597	0	0	2	0	0	0	806	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:40869356-40872541	exonic	SMAP2	1	40869356	40872541	0	0	2	0	0	0	3185	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:46543186-46546422	exonic	PIK3R3	1	46543186	46546422	0	0	2	0	0	0	3236	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:47533247-47534435	exonic	CYP4Z1	1	47533247	47534435	0	0	2	0	0	0	1188	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:61577043-61624827	intronic	NFIA	1	61577043	61624827	0	0	2	0	0	0	47784	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:62293093-62350080	exonic	INADL	1	62293093	62350080	0	0	2	0	0	0	56987	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:65234338-65255197	exonic	RAVER2	1	65234338	65255197	0	0	2	0	0	0	20859	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:65301194-65301780	splicing	JAK1	1	65301194	65301780	0	0	2	0	0	0	586	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:8674619-8684439	exonic	RERE	1	8674619	8684439	0	0	2	0	0	0	9820	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:90152029-90180410	exonic	LRRC8C	1	90152029	90180410	0	0	2	0	0	0	28381	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:90178268-90180410	exonic	LRRC8C	1	90178268	90180410	0	0	2	0	0	0	2142	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr1:93676358-93698150	exonic	CCDC18	1	93676358	93698150	0	0	2	0	0	0	21792	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:112653849-112658101	exonic	PDCD4	10	112653849	112658101	0	0	2	0	0	0	4252	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:118661275-118681027	exonic	SHTN1	10	118661275	118681027	0	0	2	0	0	0	19752	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:118704435-118708508	exonic	SHTN1	10	118704435	118708508	0	0	2	0	0	0	4073	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:126662213-126662967	exonic	ZRANB1	10	126662213	126662967	0	0	2	0	0	0	754	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:127792942-127795164	intronic	ADAM12	10	127792942	127795164	0	0	2	0	0	0	2222	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:13158266-13164487	exonic	OPTN	10	13158266	13164487	0	0	2	0	0	0	6221	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:21959378-21971186	exonic	MLLT10	10	21959378	21971186	0	0	2	0	0	0	11808	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:267134-283617	exonic	ZMYND11	10	267134	283617	0	0	2	0	0	0	16483	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:27106183-27106871	intronic	ABI1	10	27106183	27106871	0	0	2	0	0	0	688	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:27328893-27332496	exonic	ANKRD26	10	27328893	27332496	0	0	2	0	0	0	3603	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:31197861-31230580	UTR5		10	31197861	31230580	0	0	2	0	0	0	32719	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:51049995-51093341	exonic	PARG	10	51049995	51093341	0	0	2	0	0	0	43346	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:62199219-62202079	intronic	ANK3	10	62199219	62202079	0	0	2	0	0	0	2860	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:70496632-70507323	exonic	CCAR1	10	70496632	70507323	0	0	2	0	0	0	10691	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:75138668-75139959	exonic	ANXA7	10	75138668	75139959	0	0	2	0	0	0	1291	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:75335270-75336119	exonic	USP54	10	75335270	75336119	0	0	2	0	0	0	849	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:93756125-93757508	exonic	BTAF1	10	93756125	93757508	0	0	2	0	0	0	1383	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:948813-955531	intronic	LARP4B	10	948813	955531	0	0	2	0	0	0	6718	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr10:98411004-98416691	exonic	PIK3AP1	10	98411004	98416691	0	0	2	0	0	0	5687	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:107904527-107925682	exonic	CUL5	11	107904527	107925682	0	0	2	0	0	0	21155	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:110007387-110030215	exonic	ZC3H12C	11	110007387	110030215	0	0	2	0	0	0	22828	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr11:112103886-112108229	exonic	PTS	11	112103886	112108229	0	0	2	0	0	0	4343	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:115080293-115088711	exonic	CADM1	11	115080293	115088711	0	0	2	0	0	0	8418	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:118245610-118245944	exonic	UBE4A	11	118245610	118245944	0	0	2	0	0	0	334	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:118365002-118372572	exonic	KMT2A	11	118365002	118372572	0	0	2	0	0	0	7570	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:118628531-118632132	exonic	DDX6	11	118628531	118632132	0	0	2	0	0	0	3601	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:120906442-120930794	exonic	TBCEL	11	120906442	120930794	0	0	2	0	0	0	24352	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:14889052-14891176	exonic	PDE3B	11	14889052	14891176	0	0	2	0	0	0	2124	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:17204020-17204513	intergenic	PIK3C2A (dist=12866), NUCB2 (dist=93773)	11	17204020	17204513	0	0	2	0	0	0	493	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:22225350-22261230	exonic	ANO5	11	22225350	22261230	0	0	2	0	0	0	35880	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:3047905-3063486	exonic	CARS	11	3047905	3063486	0	0	2	0	0	0	15581	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:44129232-44135851	exonic	EXT2	11	44129232	44135851	0	0	2	0	0	0	6619	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:5584168-5604892	exonic	OR52B6	11	5584168	5604892	0	0	2	0	0	0	20724	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:62620546-62621062	ncRNA_exonic	SNHG1, SNORD31	11	62620546	62621062	0	0	2	0	0	0	516	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:64846824-64847259	exonic	CDC45	11	64846824	64847259	0	0	2	0	0	0	435	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:66526513-66555740	exonic	C11orf80	11	66526513	66555740	0	0	2	0	0	0	29227	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:72609918-72610685	intronic	FCHSD2	11	72609918	72610685	0	0	2	0	0	0	767	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:77069942-77091039	exonic	PAK1	11	77069942	77091039	0	0	2	0	0	0	21097	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr11:95718694-95724887	exonic	MAML2	11	95718694	95724887	0	0	2	0	0	0	6193	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:105260209-105289123	exonic	SLC41A2	12	105260209	105289123	0	0	2	0	0	0	28914	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:105321751-105325569	exonic	SLC41A2	12	105321751	105325569	0	0	2	0	0	0	3818	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:10539502-10542626	exonic	KLRC4-KLRK1, KLRK1	12	10539502	10542626	0	0	2	0	0	0	3124	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:109613735-109617102	exonic	ACACB	12	109613735	109617102	0	0	2	0	0	0	3367	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:111087972-111089253	exonic	HVCN1	12	111087972	111089253	0	0	2	0	0	0	1281	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:112513481-112518938	exonic	NAA25	12	112513481	112518938	0	0	2	0	0	0	5457	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:112939948-112944226	exonic	PTPN11	12	112939948	112944226	0	0	2	0	0	0	4278	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:117423010-117448255	exonic	FBXW8	12	117423010	117448255	0	0	2	0	0	0	25245	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:118675877-118704564	exonic	TAOK3	12	118675877	118704564	0	0	2	0	0	0	28687	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:124950718-124971114	exonic	NCOR2	12	124950718	124971114	0	0	2	0	0	0	20396	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:125070935-125071846	intergenic	NCOR2 (dist=18925), SCAB1 (dist=190328)	12	125070935	125071846	0	0	2	0	0	0	911	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:22627684-22637822	exonic	C2CD5	12	22627684	22637822	0	0	2	0	0	0	10138	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:26922282-26971438	exonic	ITPR2	12	26922282	26971438	0	0	2	0	0	0	49156	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:28603093-28605587	exonic	CCDC91	12	28603093	28605587	0	0	2	0	0	0	2494	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:32863862-32871697	exonic	DNM1L	12	32863862	32871697	0	0	2	0	0	0	7835	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:415971-416111	splicing	KDM5A	12	415971	416111	0	0	2	0	0	0	140	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:49436343-49442552	exonic	KMT2D	12	49436343	49442552	0	0	2	0	0	0	6209	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr12:54913116-54914471	exonic	NCKAP1L	12	54913116	54914471	0	0	2	0	0	0	1355	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:62775270-62778083	exonic	USP15	12	62775270	62778083	0	0	2	0	0	0	2813	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:69644908-69653977	exonic	CPSF6	12	69644908	69653977	0	0	2	0	0	0	9069	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:7268661-7268825	ncRNA_exonic	C1RL-AS1	12	7268661	7268825	0	0	2	0	0	0	164	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:74892326-74895520	intergenic	<small>LOC100307377 (dist=205915), ATXN7L3B (dist=30031)</small>	12	74892326	74895520	0	0	2	0	0	0	3194	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr12:98921663-98931350	exonic	TMPO	12	98921663	98931350	0	0	2	0	0	0	9687	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:100953714-100962162	exonic	PCCA	13	100953714	100962162	0	0	2	0	0	0	8448	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:110844658-110845176	splicing	COL4A1	13	110844658	110845176	0	0	2	0	0	0	518	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:21729831-21732264	exonic	SKA3	13	21729831	21732264	0	0	2	0	0	0	2433	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:26911703-26959479	exonic	CDK8	13	26911703	26959479	0	0	2	0	0	0	47776	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:33686032-33686857	splicing	STARD13	13	33686032	33686857	0	0	2	0	0	0	825	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:41133646-41219623	exonic	FOXO1	13	41133646	41219623	0	0	2	0	0	0	85977	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:42385360-42457627	exonic	VWA8	13	42385360	42457627	0	0	2	0	0	0	72267	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:48523074-48571158	exonic	SUCLA2	13	48523074	48571158	0	0	2	0	0	0	48084	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:52718050-52722604	exonic	NEK3	13	52718050	52722604	0	0	2	0	0	0	4554	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:77638749-77641999	exonic	MYCBP2	13	77638749	77641999	0	0	2	0	0	0	3250	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr13:99151465-99226331	exonic	STK24	13	99151465	99226331	0	0	2	0	0	0	74866	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:100567916-100568226	intronic	EVL	14	100567916	100568226	0	0	2	0	0	0	310	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:103254470-103254860	intronic	TRAF3	14	103254470	103254860	0	0	2	0	0	0	390	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:106135888-106208722	ncRNA_exonic	ELK2AP	14	106135888	106208722	0	0	2	0	0	0	72834	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:106208678-106209407	intergenic	<small>ELK2AP (dist=69534), MIR4507 (dist=114886)</small>	14	106208678	106209407	0	0	2	0	0	0	729	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:20820403-20822406	exonic	PARP2	14	20820403	20822406	0	0	2	0	0	0	2003	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:31171501-31191765	exonic	SCFD1	14	31171501	31191765	0	0	2	0	0	0	20264	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:35777199-35778201	exonic	PSMA6	14	35777199	35778201	0	0	2	0	0	0	1002	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:50732075-50769735	exonic	L2HGDH	14	50732075	50769735	0	0	2	0	0	0	37660	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:51101932-51111732	exonic	SAV1	14	51101932	51111732	0	0	2	0	0	0	9800	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:53521155-53527919	exonic	DDHD1	14	53521155	53527919	0	0	2	0	0	0	6764	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:55647930-55650471	exonic	DLGAP5	14	55647930	55650471	0	0	2	0	0	0	2541	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:55750378-55751013	intronic	FBXO34	14	55750378	55751013	0	0	2	0	0	0	635	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:57740961-57749948	exonic	AP5M1	14	57740961	57749948	0	0	2	0	0	0	8987	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:71568706-71572157	exonic	PCNX	14	71568706	71572157	0	0	2	0	0	0	3451	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:73569962-73570186	exonic	RBM25	14	73569962	73570186	0	0	2	0	0	0	224	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:73925199-74048041	exonic	<small>ACOT1, ACOT2, C14orf169, HEATR4</small>	14	73925199	74048041	0	0	2	0	0	0	122842	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:92258710-92280169	exonic	TC2N	14	92258710	92280169	0	0	2	0	0	0	21459	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr14:92555073-92563182	exonic	ATXN3	14	92555073	92563182	0	0	2	0	0	0	8109	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr14:95590532-95599840	exonic	DICER1	14	95590532	95599840	0	0	2	0	0	0	9308	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:43044171-43045445	exonic	TTBK2	15	43044171	43045445	0	0	2	0	0	0	1274	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:44671887-44673174	exonic	CASC4	15	44671887	44673174	0	0	2	0	0	0	1287	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:52073240-52075025	exonic	TMOD2	15	52073240	52075025	0	0	2	0	0	0	1785	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:55919205-55921202	exonic	PRTG	15	55919205	55921202	0	0	2	0	0	0	1997	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:59175824-59186781	exonic	SLTM	15	59175824	59186781	0	0	2	0	0	0	10957	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:66714073-66716431	intronic	MAP2K1	15	66714073	66716431	0	0	2	0	0	0	2358	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:76518189-76576166	exonic	ETFA	15	76518189	76576166	0	0	2	0	0	0	57977	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:79214120-79214365	UTR3	<small>CTSH(NM_004390;c.*352_*107delins0)</small>	15	79214120	79214365	0	0	2	0	0	0	245	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:80390757-80423635	exonic	ZFAND6	15	80390757	80423635	0	0	2	0	0	0	32878	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:86240708-86244765	intronic	AKAP13	15	86240708	86244765	0	0	2	0	0	0	4057	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:86253876-86253992	exonic	AKAP13	15	86253876	86253992	0	0	2	0	0	0	116	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:91346750-91347589	exonic	BLM	15	91346750	91347589	0	0	2	0	0	0	839	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:93498652-93536228	exonic	CHD2	15	93498652	93536228	0	0	2	0	0	0	37576	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr15:99740123-99781764	exonic	TTC23	15	99740123	99781764	0	0	2	0	0	0	41641	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:17933335-1798721	exonic	MAPK8IP3	16	17933335	1798721	0	0	2	0	0	0	5386	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:19714364-19715494	intergenic	<small>CT6orf62(dist=1879),KNOP1(dist=2180)</small>	16	19714364	19715494	0	0	2	0	0	0	1130	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:4310090-4310596	exonic	TFAP4	16	4310090	4310596	0	0	2	0	0	0	506	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:66759377-66760572	exonic	DYNC1LI2	16	66759377	66760572	0	0	2	0	0	0	1195	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:68587777-68588601	intronic	ZFP90	16	68587777	68588601	0	0	2	0	0	0	824	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:69304045-69333677	exonic	SNTB2	16	69304045	69333677	0	0	2	0	0	0	29632	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:75446432-75448593	exonic	CFDP1	16	75446432	75448593	0	0	2	0	0	0	2161	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr16:87376482-87380856	exonic	FBXO31	16	87376482	87380856	0	0	2	0	0	0	4374	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:20135070-20135727	exonic	SPECC1	17	20135070	20135727	0	0	2	0	0	0	657	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:20156817-20160920	exonic	SPECC1	17	20156817	20160920	0	0	2	0	0	0	4103	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:2554787-2560633	intronic	PAFAH1B1	17	2554787	2560633	0	0	2	0	0	0	5846	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:27809214-27857637	exonic	TAOK1	17	27809214	27857637	0	0	2	0	0	0	48423	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:28011580-28022541	exonic	SSH2	17	28011580	28022541	0	0	2	0	0	0	10961	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:28747858-28750715	exonic	CPD	17	28747858	28750715	0	0	2	0	0	0	2857	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:30498062-30521126	exonic	RHOT1	17	30498062	30521126	0	0	2	0	0	0	23064	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:43653789-43654009	intergenic	<small>LINC374P(dist=55900),LOC644172(dist=23460)</small>	17	43653789	43654009	0	0	2	0	0	0	220	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:45405634-45422464	exonic	EFCAB13	17	45405634	45422464	0	0	2	0	0	0	16830	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:49097519-49109083	exonic	SPAG9	17	49097519	49109083	0	0	2	0	0	0	11564	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:5312052-5320002	exonic	NUP88	17	5312052	5320002	0	0	2	0	0	0	7950	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:58346810-58379065	exonic	USP32	17	58346810	58379065	0	0	2	0	0	0	32255	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr17:59155693-59161925	exonic	BCAS3	17	59155693	59161925	0	0	2	0	0	0	6232	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:60655837-60663587	exonic	TLK2	17	60655837	60663587	0	0	2	0	0	0	7750	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:65113220-65118300	exonic	HELZ	17	65113220	65118300	0	0	2	0	0	0	5080	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:74324797-74328516	exonic	PRPSAP1	17	74324797	74328516	0	0	2	0	0	0	3719	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:78704359-78727985	exonic	RPTOR	17	78704359	78727985	0	0	2	0	0	0	23626	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:78977181-78992832	intergenic	<small>CHMP6 (dist=3248), BAIAP2-AS1 (dist=10101)</small>	17	78977181	78992832	0	0	2	0	0	0	15651	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:80851422-80869665	exonic	TBCD	17	80851422	80869665	0	0	2	0	0	0	18243	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr17:953289-986867	exonic	ABR	17	953289	986867	0	0	2	0	0	0	33578	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:12999419-13117642	exonic	CEP192	18	12999419	13117642	0	0	2	0	0	0	118223	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:18582979-18585606	intronic	ROCK1	18	18582979	18585606	0	0	2	0	0	0	2627	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:19751068-19763004	exonic	GATA6	18	19751068	19763004	0	0	2	0	0	0	11936	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:21461899-21470081	exonic	LAMA3	18	21461899	21470081	0	0	2	0	0	0	8182	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:23632587-23658124	exonic	SS18	18	23632587	23658124	0	0	2	0	0	0	25537	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:2700536-2700916	exonic	SMCHD1	18	2700536	2700916	0	0	2	0	0	0	380	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:33724901-33726344	exonic	ELP2	18	33724901	33726344	0	0	2	0	0	0	1443	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:44013152-44015359	exonic	RNF165	18	44013152	44015359	0	0	2	0	0	0	2207	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:48510465-48510933	exonic	ELAC1	18	48510465	48510933	0	0	2	0	0	0	468	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr18:55833019-55996359	exonic	NEDD4L	18	55833019	55996359	0	0	2	0	0	0	163340	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:12989195-12989648	exonic	DNASE2	19	12989195	12989648	0	0	2	0	0	0	453	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:13919649-13920034	exonic	ZSWIM4	19	13919649	13920034	2	0	2	0	0	0	385	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:16192722-16199930	exonic	TPM4	19	16192722	16199930	0	0	2	0	0	0	7208	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:20975318-20976684	intergenic	<small>ZNF626 (dist=130916), ZNF85 (dist=129375)</small>	19	20975318	20976684	0	0	2	0	0	0	1366	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:21287632-21288547	intronic	ZNF714	19	21287632	21288547	0	0	2	0	0	0	915	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:38249115-38264391	exonic	ZNF573	19	38249115	38264391	0	0	2	0	0	0	15276	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:41754418-41762516	exonic	AXL	19	41754418	41762516	0	0	2	0	0	0	8098	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:47646750-47658470	exonic	SAE1	19	47646750	47658470	0	0	2	0	0	0	11720	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:50388625-50388793	intronic	TBC1D17	19	50388625	50388793	0	0	2	0	0	0	168	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:52468766-52469467	exonic	ZNF350	19	52468766	52469467	0	0	2	0	0	0	701	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:6077973-6078868	intronic	RFX2	19	6077973	6078868	0	0	2	0	0	0	895	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr19:9880681-9890356	intergenic	<small>ZNF846 (dist=1271), FBXL12 (dist=30587)</small>	19	9880681	9890356	0	0	2	0	0	0	9675	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:102377352-102378115	intronic	MAP4K4	2	102377352	102378115	0	0	2	0	0	0	763	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:113057425-113060928	exonic	ZC3H6	2	113057425	113060928	0	0	2	0	0	0	3503	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:118575019-118583958	exonic	DDX18	2	118575019	118583958	0	0	2	0	0	0	8939	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:128116428-128140218	intergenic	<small>MAP3K2 (dist=15623), PROC (dist=35778)</small>	2	128116428	128140218	0	0	2	0	0	0	23790	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:132259054-132259531	ncRNA_exonic	LOC150776	2	132259054	132259531	0	0	2	0	0	0	477	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr2:136379063-136409602	exonic	R3HDM1	2	136379063	136409602	0	0	2	0	0	0	30539	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:136389287-136437894	exonic	R3HDM1	2	136389287	136437894	0	0	2	0	0	0	48607	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:136402948-136437894	exonic	R3HDM1	2	136402948	136437894	0	0	2	0	0	0	34946	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:152109268-152112257	exonic	RBM43	2	152109268	152112257	0	0	2	0	0	0	2989	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:15534350-15651474	exonic	NBAS	2	15534350	15651474	0	0	2	0	0	0	117124	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:15688690-15690820	intronic	NBAS	2	15688690	15690820	0	0	2	0	0	0	2130	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:160019793-160028783	exonic	TANC1	2	160019793	160028783	0	0	2	0	0	0	8990	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:161141715-161143479	splicing	RBMS1	2	161141715	161143479	0	0	2	0	0	0	1764	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:190656515-190708806	exonic	PMS1	2	190656515	190708806	0	0	2	0	0	0	52291	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:197755551-197763093	exonic	PGAP1	2	197755551	197763093	0	0	2	0	0	0	7542	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:197951472-197953434	exonic	ANKRD44	2	197951472	197953434	0	0	2	0	0	0	1962	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:201807407-201822856	exonic	ORC2	2	201807407	201822856	0	0	2	0	0	0	15449	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:203782599-203818857	exonic	CARF	2	203782599	203818857	0	0	2	0	0	0	36258	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:203782599-203839219	exonic	CARF	2	203782599	203839219	0	0	2	0	0	0	56620	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:234270365-234274126	intronic	DGKD	2	234270365	234274126	0	0	2	0	0	0	3761	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:240929490-240951113	exonic	NDUFA10	2	240929490	240951113	2	2	2	8	3	0	21623	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:242343242-242350545	exonic	FARP2	2	242343242	242350545	0	0	2	0	0	0	7303	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:24787164-24807429	UTR5	-----	2	24787164	24807429	0	0	2	0	0	0	20265	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:29073193-29084174	exonic	TRMT61B	2	29073193	29084174	0	0	2	0	0	0	10981	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:29354123-29386820	exonic	CLIP4	2	29354123	29386820	0	0	2	0	0	0	32697	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:32373951-32374253	intronic	SPAST	2	32373951	32374253	0	0	2	0	0	0	302	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:38156404-38231359	exonic	RMDN2	2	38156404	38231359	0	0	2	0	0	0	74955	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:39485488-39517475	exonic	MAP4K3	2	39485488	39517475	0	0	2	0	0	0	31987	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:43793836-43802166	exonic	THADA	2	43793836	43802166	0	0	2	0	0	0	8330	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:43939363-43989529	exonic	PLEKHH2	2	43939363	43989529	0	0	2	0	0	0	50166	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:47600601-47602438	exonic	EPCAM	2	47600601	47602438	0	0	2	0	0	0	1837	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:55544341-55546140	exonic	CCDC88A	2	55544341	55546140	0	0	2	0	0	0	1799	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:55573310-55591169	exonic	CCDC88A	2	55573310	55591169	0	0	2	0	0	0	17859	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:61014081-61020850	exonic	PAPOLG	2	61014081	61020850	0	0	2	0	0	0	6769	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:64778576-64812679	exonic	AFTPH	2	64778576	64812679	0	0	2	0	0	0	34103	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:68813904-68839379	intergenic	APLF(dist=6610),PROKR1(dist=33575)	2	68813904	68839379	0	0	2	0	0	0	25475	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:99781298-99804720	exonic	MITD1,MRPL30	2	99781298	99804720	0	0	2	0	0	0	23422	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr2:9989502-9992293	exonic	TAF1B	2	9989502	9992293	0	0	2	0	0	0	2791	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr20:2097311-2098061	exonic	STK35	20	2097311	2098061	0	0	2	0	0	0	750	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr20:3161658-3163307	intergenic	LZTS3(dist=7420),DDRGI1(dist=7705)	20	3161658	3163307	0	0	2	0	0	0	1649	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr20:33954359-33981999	exonic	UQCC1	20	33954359	33981999	0	0	2	0	0	0	27640	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr20:35563431-35569514	exonic	SAMHD1	20	35563431	35569514	0	0	2	0	0	0	6083	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr20:35635813-35661279	exonic	RBL1	20	35635813	35661279	0	0	2	0	0	0	25466	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr20:424698-427094	exonic	TBC1D20	20	424698	427094	0	0	2	0	0	0	2396	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr20:50048603-50052298	exonic	NFATC2	20	50048603	50052298	0	0	2	0	0	0	3695	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr21:33264791-33272184	intronic	HUNK	21	33264791	33272184	0	0	2	0	0	0	7393	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr21:38610761-38612940	exonic	DSCR3	21	38610761	38612940	0	0	2	0	0	0	2179	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr22:17659013-17659355	downstream	CECR1 (dist=325)	22	17659013	17659355	0	0	2	0	0	0	342	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr22:29932612-29939531	exonic	THOC5	22	29932612	29939531	0	0	2	0	0	0	6919	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr22:32097641-32100712	exonic	PRR14L	22	32097641	32100712	0	0	2	0	0	0	3071	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr22:36745793-36750027	intronic	MYH9	22	36745793	36750027	0	0	2	0	0	0	4234	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr22:39382303-39421354	exonic	<small>APOBEC3A, B, APOBEC3B, APOBEC3C, APOBEC3D</small>	22	39382303	39421354	0	0	2	0	0	0	39051	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr22:41536143-41537226	exonic	EP300	22	41536143	41537226	0	0	2	0	0	0	1083	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:101058938-101060623	exonic	SENP7	3	101058938	101060623	0	0	2	0	0	0	1685	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:122928045-122978436	exonic	SEC22A	3	122928045	122978436	0	0	2	0	0	0	50391	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:129513167-129551669	exonic	TMCC1	3	129513167	129551669	0	0	2	0	0	0	38502	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:137928658-137942575	exonic	ARMC8	3	137928658	137942575	0	0	2	0	0	0	13917	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:152173366-152173848	exonic	MBNL1	3	152173366	152173848	0	0	2	0	0	0	482	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:15807741-15855816	exonic	ANKRD28	3	15807741	15855816	0	0	2	0	0	0	48075	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:160952514-160958951	exonic	NMD3	3	160952514	160958951	0	0	2	0	0	0	6437	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:16327831-16345099	exonic	OXNAD1	3	16327831	16345099	0	0	2	0	0	0	17268	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:167774869-167775401	intronic	GOLIM4	3	167774869	167775401	0	0	2	0	0	0	532	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:169873482-169874126	intronic	PHC3	3	169873482	169874126	0	0	2	0	0	0	644	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:183432931-183470041	exonic	YEATS2	3	183432931	183470041	0	0	2	0	0	0	37110	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:184654033-184689540	exonic	VPS8	3	184654033	184689540	0	0	2	0	0	0	35507	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:185241593-185244269	exonic	LIPH	3	185241593	185244269	0	0	2	0	0	0	2676	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:194147803-194171005	exonic	ATP13A3	3	194147803	194171005	0	0	2	0	0	0	23202	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:195253862-195254019	intronic	PPP1R2	3	195253862	195254019	0	0	2	0	0	0	157	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:27439174-27439844	exonic	SLC4A7	3	27439174	27439844	0	0	2	0	0	0	670	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:31578790-31621588	exonic	STT3B	3	31578790	31621588	0	0	2	0	0	0	42798	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:3214459-3215945	exonic	CRBN	3	3214459	3215945	0	0	2	0	0	0	1486	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:33087611-33099761	exonic	GLB1	3	33087611	33099761	0	0	2	0	0	0	12150	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:33454213-33467233	exonic	UBP1	3	33454213	33467233	0	0	2	0	0	0	13020	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:33648082-33653563	exonic	CLASP2	3	33648082	33653563	0	0	2	0	0	0	5481	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:41265511-41268843	exonic	CTNNB1	3	41265511	41268843	0	0	2	0	0	0	3332	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr3:42661155-42676858	exonic	NKTR	3	42661155	42676858	0	0	2	0	0	0	15703	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:43381778-43384970	exonic	SNRK	3	43381778	43384970	0	0	2	0	0	0	3192	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:47676679-47702945	exonic	SMARCC1	3	47676679	47702945	0	0	2	0	0	0	26266	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:48012230-48019917	exonic	MAP4	3	48012230	48019917	0	0	2	0	0	0	7687	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:53346785-53375266	exonic	DCP1A	3	53346785	53375266	0	0	2	0	0	0	28481	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:56597711-56627129	exonic	CCDC66	3	56597711	56627129	0	0	2	0	0	0	29418	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:56779232-56779490	exonic	ARHGEF3	3	56779232	56779490	0	0	2	0	0	0	258	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr3:69303514-69325902	intronic	FRMD4B	3	69303514	69325902	0	0	2	0	0	0	22388	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:106317405-106345479	exonic	PPA2	4	106317405	106345479	0	0	2	0	0	0	28074	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:143029245-143045913	exonic	INPP4B	4	143029245	143045913	0	0	2	0	0	0	16668	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:151709320-151714167	intronic	LRBA	4	151709320	151714167	0	0	2	0	0	0	4847	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:159514552-159529195	exonic	RXFP1	4	159514552	159529195	0	0	2	0	0	0	14643	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:159812597-159817017	exonic	C4orf45, FNIP2	4	159812597	159817017	0	0	2	0	0	0	4420	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:160225493-160253849	exonic	RAPGEF2	4	160225493	160253849	0	0	2	0	0	0	28356	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:166141085-166160051	exonic	KLHL2	4	166141085	166160051	0	0	2	0	0	0	18966	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:185339321-185340722	exonic	IRF2	4	185339321	185340722	0	0	2	0	0	0	1401	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:185580493-185587218	exonic	PRIMPOL	4	185580493	185587218	0	0	2	0	0	0	6725	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:185737197-185740406	intronic	ACSL1	4	185737197	185740406	0	0	2	0	0	0	3209	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:20493384-20500455	exonic	SLIT2	4	20493384	20500455	0	0	2	0	0	0	7071	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:22403053-22404422	exonic	ADGRA3	4	22403053	22404422	0	0	2	0	0	0	1369	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:39850470-39851272	exonic	PDS5A	4	39850470	39851272	0	0	2	0	0	0	802	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:42466706-42467093	exonic	ATP8A1	4	42466706	42467093	0	0	2	0	0	0	387	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:56287138-56288660	intronic	TMEM165	4	56287138	56288660	0	0	2	0	0	0	1522	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:6590771-6595077	exonic	MAN2B2	4	6590771	6595077	0	0	2	0	0	0	4306	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:83776055-83778917	exonic	SEC31A	4	83776055	83778917	0	0	2	0	0	0	2862	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr4:89930102-89950800	exonic	FAM13A	4	89930102	89950800	0	0	2	0	0	0	20698	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:130987494-131013565	exonic	FNIP1	5	130987494	131013565	0	0	2	0	0	0	26071	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:134116822-134118755	exonic	DDX46	5	134116822	134118755	0	0	2	0	0	0	1933	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:138654054-138655270	exonic	MATR3	5	138654054	138655270	0	0	2	0	0	0	1216	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:138983295-138991008	intronic	UBE2D2	5	138983295	138991008	0	0	2	0	0	0	7713	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:138994170-139003046	exonic	UBE2D2	5	138994170	139003046	0	0	2	0	0	0	8876	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:151169883-151178874	exonic	G3BP1	5	151169883	151178874	0	0	2	0	0	0	8991	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:156522316-156531760	exonic	HAVCR2	5	156522316	156531760	0	0	2	0	0	0	9444	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:162909647-162911251	exonic	HMMR	5	162909647	162911251	0	0	2	0	0	0	1604	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:171422811-171424055	intronic	FBXW11	5	171422811	171424055	0	0	2	0	0	0	1244	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr5:172291152-172291306	intronic	ERGIC1	5	172291152	172291306	0	0	2	0	0	0	154	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:176900110-176900436	splicing	DBN1	5	176900110	176900436	0	0	2	0	0	0	326	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:179132679-179134191	exonic	CANX	5	179132679	179134191	0	0	2	0	0	0	1512	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:32397324-32417897	exonic	ZFR	5	32397324	32417897	0	0	2	0	0	0	20573	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:37115061-37122590	exonic	C5orf42	5	37115061	37122590	0	0	2	0	0	0	7529	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:55254016-55254639	intronic	IL6ST	5	55254016	55254639	0	0	2	0	0	0	623	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:65054393-65077248	exonic	NLN	5	65054393	65077248	0	0	2	0	0	0	22855	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:65288537-65290692	exonic	ERBB2IP	5	65288537	65290692	0	0	2	0	0	0	2155	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:677864-678179	exonic	TPPP	5	677864	678179	0	0	2	0	0	0	315	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:70791076-70813279	exonic	BDP1	5	70791076	70813279	0	0	2	0	0	0	22203	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:70810770-70813279	exonic	BDP1	5	70810770	70813279	0	0	2	0	0	0	2509	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:78936673-78952824	exonic	PAPD4	5	78936673	78952824	0	0	2	0	0	0	16151	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:84878249-84884827	intergenic	<small>EDIL3(dist=1197564), NBPF22P(dist=693435)</small>	5	84878249	84884827	0	0	2	0	0	0	6578	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr5:85101125-85117284	intergenic	<small>EDIL3(dist=1420440), NBPF22P(dist=460978)</small>	5	85101125	85117284	0	0	2	0	0	0	16159	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:10796230-10804124	exonic	MAK	6	10796230	10804124	0	0	2	0	0	0	7894	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:117853422-117859998	exonic	DCBLD1	6	117853422	117859998	0	0	2	0	0	0	6576	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:130343371-130442103	exonic	L3MBTL3	6	130343371	130442103	0	0	2	0	0	0	98732	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:132014636-132054863	exonic	CTAGE9, ENPP3, OR2A4	6	132014636	132054863	0	0	2	0	0	0	40227	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:137531257-137533670	intronic	IFNGR1	6	137531257	137533670	0	0	2	0	0	0	2413	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:144086397-144104417	exonic	PHACTR2	6	144086397	144104417	0	0	2	0	0	0	18020	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:145051493-145079125	exonic	UTRN	6	145051493	145079125	0	0	2	0	0	0	27632	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:154797573-154798526	intronic	CNKSR3	6	154797573	154798526	0	0	2	0	0	0	953	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:155095122-155131342	exonic	SCAF8	6	155095122	155131342	0	0	2	0	0	0	36220	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:16476340-16480201	intronic	ATXN1	6	16476340	16480201	0	0	2	0	0	0	3861	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:167356506-167366036	exonic	RNASSET2	6	167356506	167366036	0	0	2	0	0	0	9530	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:29858045-29912393	exonic	HLA-A	6	29858045	29912393	0	0	2	0	0	0	54348	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:30673906-30675160	splicing	MDC1	6	30673906	30675160	0	0	2	0	0	0	1254	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:34801993-34804125	exonic	UHRF1BP1	6	34801993	34804125	0	0	2	0	0	0	2132	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:41997535-41999609	UTR5	<small>CND3(NM_001287434;c.93509_93328del;ins0)</small>	6	41997535	41999609	0	0	2	0	0	0	2074	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:42790533-42797910	exonic	GLTSCR1L	6	42790533	42797910	0	0	2	0	0	0	7377	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:47471016-47483698	exonic	CD2AP	6	47471016	47483698	0	0	2	0	0	0	12682	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:55976595-55977592	intronic	COL21A1	6	55976595	55977592	0	0	2	0	0	0	997	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:71126421-71127130	intronic	FAM135A	6	71126421	71127130	0	0	2	0	0	0	709	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:76022112-76024918	exonic	FILIP1	6	76022112	76024918	0	0	2	0	0	0	2806	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:82923943-82930430	exonic	IBTK	6	82923943	82930430	0	0	2	0	0	0	6487	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr6:88311501-88346204	exonic	ORC3	6	88311501	88346204	0	0	2	0	0	0	34703	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr6:89600213-89650899	exonic	RNGTT	6	89600213	89650899	0	0	2	0	0	0	50686	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:104707173-104742036	exonic	KMT2E	7	104707173	104742036	0	0	2	0	0	0	34863	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:105108783-105135700	exonic	PUS7	7	105108783	105135700	0	0	2	0	0	0	26917	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:112535623-112555502	exonic	C7orf60	7	112535623	112555502	0	0	2	0	0	0	19879	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:148543561-148544397	exonic	EZH2	7	148543561	148544397	0	0	2	0	0	0	836	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:152086831-152119271	intronic	KMT2C	7	152086831	152119271	0	0	2	0	0	0	32440	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:157015947-157018233	exonic	UBE3C	7	157015947	157018233	0	0	2	0	0	0	2286	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:17474572-17504850	ncRNA_exonic	KCCAT333, LOC101927630	7	17474572	17504850	0	0	2	0	0	0	30278	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:22170654-22179733	exonic	RAPGEF5	7	22170654	22179733	0	0	2	0	0	0	9079	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:27788216-27797752	exonic	TAX1BP1	7	27788216	27797752	0	0	2	0	0	0	9536	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:27845445-27845725	intronic	TAX1BP1	7	27845445	27845725	0	0	2	0	0	0	280	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:29070192-29105737	exonic	CPVL	7	29070192	29105737	0	0	2	0	0	0	35545	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:33059246-33066527	exonic	NT5C3A	7	33059246	33066527	0	0	2	0	0	0	7281	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:43647854-43659322	exonic	STK17A	7	43647854	43659322	0	0	2	0	0	0	11468	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:43842622-43843755	exonic	BLVRA	7	43842622	43843755	0	0	2	0	0	0	1133	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:73510951-73513568	exonic	LIMK1	7	73510951	73513568	0	0	2	0	0	0	2617	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:8257934-8275570	exonic	ICAI	7	8257934	8275570	2	2	2	6	4	0	17636	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:94660991-94663762	intronic	PPP1R9A	7	94660991	94663762	0	0	2	0	0	0	2771	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr7:99007686-99008719	exonic	BUD31	7	99007686	99008719	0	0	2	0	0	0	1033	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:100168776-100287482	exonic	VPS13B	8	100168776	100287482	0	0	2	0	0	0	118706	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:103850971-103855975	exonic	AZIN1	8	103850971	103855975	0	0	2	0	0	0	5004	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:117669453-117671219	exonic	EIF3H	8	117669453	117671219	0	0	2	0	0	0	1766	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:118920851-118922088	intronic	EXT1	8	118920851	118922088	0	0	2	0	0	0	1237	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:125516511-125535243	exonic	TATDN1	8	125516511	125535243	0	0	2	0	0	0	18732	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:131199481-131249240	exonic	ASAP1	8	131199481	131249240	0	0	2	0	0	0	49759	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:22355514-22356002	exonic	PPP3CC	8	22355514	22356002	0	0	2	0	0	0	488	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:25224385-25227157	exonic	DOCK5	8	25224385	25227157	0	0	2	0	0	0	2772	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:38105230-38109805	exonic	DDHD2	8	38105230	38109805	0	0	2	0	0	0	4575	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:42828431-42837839	exonic	HOOK3	8	42828431	42837839	0	0	2	0	0	0	9408	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:43016580-43037403	exonic	HGSNAT	8	43016580	43037403	0	0	2	0	0	0	20823	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:82612539-82612981	downstream	ZFAND1 (dist=585)	8	82612539	82612981	0	0	2	0	0	0	442	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:8703686-8704801	intronic	MFHAS1	8	8703686	8704801	0	0	2	0	0	0	1115	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr8:92081806-92082050	ncRNA_exonic	OTUD6B-AS1	8	92081806	92082050	0	0	2	0	0	0	244	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:102773106-102776676	intronic	ERP44	9	102773106	102776676	0	0	2	0	0	0	3570	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924

chr9:113217869-113265497	exonic	SVEP1	9	113217869	113265497	0	0	2	0	0	0	47628	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:113259094-113312384	exonic	SVEP1	9	113259094	113312384	0	0	2	0	0	0	53290	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:114676885-114678116	exonic	UGCG	9	114676885	114678116	0	0	2	0	0	0	1231	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:125758319-125782738	exonic	RABGAP1	9	125758319	125782738	0	0	2	0	0	0	24419	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:125760875-125782738	exonic	RABGAP1	9	125760875	125782738	0	0	2	0	0	0	21863	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:128432096-128434922	exonic	MAPKAP1	9	128432096	128434922	0	0	2	0	0	0	2826	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:130206308-130207742	exonic	ZNF79	9	130206308	130207742	0	0	2	0	0	0	1434	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:131495704-131517938	exonic	ZER1	9	131495704	131517938	0	0	2	0	0	0	22234	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:20715320-20781928	exonic	FOCAD	9	20715320	20781928	0	0	2	0	0	0	66608	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:27359031-27455746	exonic	MOB3B	9	27359031	27455746	0	0	2	0	0	0	96715	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:36352738-36356470	exonic	RNF38	9	36352738	36356470	0	0	2	0	0	0	3732	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:71850943-71852052	exonic	TJP2	9	71850943	71852052	0	0	2	0	0	0	1109	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrMT:14004-14420	intergenic	NONE (dist=NONE),NONE (dist=NONE)	MT	14004	14420	0	0	2	0	0	0	416	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:149919202-149919712	exonic	MTMR1	X	149919202	149919712	0	0	2	0	0	0	510	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:155173011-155173187	UTR3	-----	X	155173011	155173187	0	0	2	0	0	0	176	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:36083759-36122808	exonic	CFAP47	X	36083759	36122808	0	0	2	0	0	0	39049	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:54948724-54949010	exonic	TRO	X	54948724	54949010	0	0	2	0	0	0	286	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:57358030-57367823	exonic	FAAH2	X	57358030	57367823	0	0	2	0	0	0	9793	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:67266836-67273652	exonic	OPHN1	X	67266836	67273652	0	0	2	0	0	0	6816	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chrX:69606467-69615899	exonic	KIF4A	X	69606467	69615899	0	0	2	0	0	0	9432	0.394538051	2.144896392	4.019782494	0.533585186	0.593628559	0.998252924
chr9:33960823-33996331	exonic	UBAP2	9	33960823	33996331	3	3	2	8	5	3	35508	1.49395345	2.145061728	2.137851105	1.003372837	0.315681005	0.998252924
chr15:90982563-90984916	exonic	IQGAP1	15	90982563	90984916	3	2	0	1	0	0	2353	0.841823812	2.146364964	2.963109137	0.72436244	0.468843253	0.998252924
chr11:2972488-3000467	exonic	NAP1L4	11	2972488	3000467	0	5	2	1	1	0	27979	1.493255853	2.154059684	2.291511797	0.940016842	0.347208922	0.998252924
chr2:219447693-219449444	exonic	RQCD1	2	219447693	219449444	0	0	4	0	1	0	1751	0.910103524	2.156411893	3.183775762	0.677312742	NA	NA
chr4:113568354-113568705	exonic	LARP7	4	113568354	113568705	0	0	4	0	1	0	351	0.910103524	2.156411893	3.183775762	0.677312742	NA	NA
chr6:105192034-105198347	exonic	HACE1	6	105192034	105198347	2	6	2	3	0	0	6313	2.017100887	2.165078106	2.011358729	1.076425639	NA	NA
chr2:63660878-63667005	exonic	WDPCP	2	63660878	63667005	6	3	0	0	2	0	6127	1.538803898	2.173460185	2.380004601	0.9132168	0.36112853	0.998252924
chr6:108233919-108246136	exonic	SEC63	6	108233919	108246136	3	0	2	0	1	0	12217	0.902526301	2.174471569	2.895709239	0.750928836	0.452695485	0.998252924
chr17:27613009-27614734	exonic	NUFIP2	17	27613009	27614734	0	4	3	1	1	0	1725	1.51624908	2.175879222	2.27085818	0.958174861	NA	NA
chr17:45221248-45249430	exonic	CDC27	17	45221248	45249430	3	0	2	0	0	1	28182	1.089717488	2.176240603	2.767045975	0.786485163	NA	NA
chr9:127685373-127701145	exonic	GOLGA1	9	127685373	127701145	2	3	0	0	1	0	15772	0.901828705	2.176897973	2.89713816	0.751395982	0.45241438	0.998252924
chr1:109482257-109486679	exonic	CLCC1	1	109482257	109486679	3	0	0	0	0	0	4422	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:113134146-113159517	exonic	ST7L	1	113134146	113159517	3	0	0	0	0	0	25371	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:118581914-118629631	exonic	SPAG17	1	118581914	118629631	3	0	0	0	0	0	47717	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:154420600-154427057	exonic	IL6R	1	154420600	154427057	3	0	0	0	0	0	6457	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr1:155173842-155174172	intronic	THBS3	1	155173842	155174172	3	0	0	0	0	0	330	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:165648678-165664634	exonic	ALDH9A1	1	165648678	165664634	3	0	0	0	0	0	15956	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:183102540-183104291	exonic	LAMC1	1	183102540	183104291	3	0	0	0	0	0	1751	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:196249990-196286399	exonic	KCNT2	1	196249990	196286399	3	0	0	0	0	0	36409	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:207303516-207328403	exonic	C4BPA	1	207303516	207328403	3	0	0	0	0	0	24887	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:210522277-210560925	exonic	HHAT	1	210522277	210560925	3	0	0	0	0	0	38648	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:2140772-2141658	intronic	FAAP20	1	2140772	2141658	3	0	0	0	0	0	886	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:214478530-214510283	exonic	SMYD2	1	214478530	214510283	3	0	0	0	0	0	31753	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:217783662-217787544	exonic	GPATCH2	1	217783662	217787544	3	0	0	0	0	0	3882	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:219366472-219414650	exonic	LYPLAL1	1	219366472	219414650	3	0	0	0	0	0	48178	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:220145410-220152061	exonic	EPRS	1	220145410	220152061	3	0	0	0	0	0	6651	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:220154719-220180680	exonic	EPRS	1	220154719	220180680	3	0	0	0	0	0	25961	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:220789280-220792097	exonic	MARK1	1	220789280	220792097	3	0	0	0	0	0	2817	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:222897442-222898897	exonic	BROX	1	222897442	222898897	3	0	0	0	0	0	1455	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:226453233-226475498	exonic	LIN9	1	226453233	226475498	3	0	0	0	0	0	22265	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:231506307-231509845	exonic	EGLN1	1	231506307	231509845	3	0	0	0	0	0	3538	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:236966727-236969533	exonic	MTR	1	236966727	236969533	3	0	0	0	0	0	2806	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:237765324-237780786	exonic	RYR2	1	237765324	237780786	3	0	0	0	0	0	15462	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:39900085-39905172	exonic	MACF1	1	39900085	39905172	3	0	0	0	0	0	5087	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:42946132-43002272	exonic	CCDC30	1	42946132	43002272	3	0	0	0	0	0	56140	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:42946132-43011250	exonic	CCDC30	1	42946132	43011250	3	0	0	0	0	0	65118	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:43239234-43241150	exonic	Clorf50	1	43239234	43241150	3	0	0	0	0	0	1916	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:62321701-62393501	exonic	INADL	1	62321701	62393501	3	0	0	0	0	0	71800	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:62455839-62483619	exonic	INADL	1	62455839	62483619	3	0	0	0	0	0	27780	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:78267015-78272786	exonic	FAM73A	1	78267015	78272786	3	0	0	0	0	0	5771	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr1:7863752-7864739	exonic	PER3	1	7863752	7864739	3	0	0	0	0	0	987	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:102678141-102685776	exonic	SLF2	10	102678141	102685776	3	0	0	0	0	0	7635	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:23512527-23539620	ncRNA_exonic	LINC01552	10	23512527	23539620	3	0	0	0	0	0	27093	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:26879064-26880342	ncRNA_exonic	LINC00264	10	26879064	26880342	3	0	0	0	0	0	1278	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:28223938-28233891	exonic	ARMC4	10	28223938	28233891	3	0	0	0	0	0	9953	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:29801663-29820217	exonic	SVIL	10	29801663	29820217	3	0	0	0	0	0	18554	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:29801663-29821101	exonic	SVIL	10	29801663	29821101	3	0	0	0	0	0	19438	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:34595500-34595924	intronic	PARD3	10	34595500	34595924	3	0	0	0	0	0	424	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:34620044-34649187	exonic	PARD3	10	34620044	34649187	3	0	0	0	0	0	29143	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:51606987-51613311	exonic	TIMM23	10	51606987	51613311	3	0	0	0	0	0	6324	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr10:5690932-5695013	exonic	ASB13	10	5690932	5695013	3	0	0	0	0	0	4081	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:70517050-70532856	exonic	CCAR1	10	70517050	70532856	3	0	0	0	0	0	15806	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:7290509-7423911	exonic	SFMBT2	10	7290509	7423911	3	0	0	0	0	0	133402	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr10:75299201-75302889	exonic	USP54	10	75299201	75302889	3	0	0	0	0	0	3688	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:19998293-20005793	exonic	NAV2	11	19998293	20005793	3	0	0	0	0	0	7500	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:20805225-21392494	exonic	NELL1	11	20805225	21392494	3	0	0	0	0	0	587269	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:20959331-20982106	exonic	NELL1	11	20959331	20982106	3	0	0	0	0	0	22775	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:28373637-28445911	intergenic		11	28373637	28445911	3	0	0	0	0	0	72274	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
		METTL15 (dist=18583), MIR8068 (dist=53117)																
chr11:47182741-47182987	exonic	C11orf49	11	47182741	47182987	3	0	0	0	0	0	246	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:66947549-66949363	exonic	KDM2A	11	66947549	66949363	3	0	0	0	0	0	1814	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:68337215-68343511	exonic	PPP6R3	11	68337215	68343511	3	0	0	0	0	0	6296	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:82786474-82787597	intergenic		11	82786474	82787597	3	0	0	0	0	0	1123	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
		RAB30-AS1 (dist=1720), PCF11 (dist=80540)																
chr11:85406171-85420543	exonic	SYTL2	11	85406171	85420543	3	0	0	0	0	0	14372	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:85685750-85714494	exonic	PICALM	11	85685750	85714494	3	0	0	0	0	0	28744	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr11:86461962-86534635	exonic	PRSS23	11	86461962	86534635	3	0	0	0	0	0	72673	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr12:118823918-118829087	exonic	SUDS3	12	118823918	118829087	3	0	0	0	0	0	5169	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr12:9230297-9310437	exonic	A2M, PZP	12	9230297	9310437	3	0	0	0	0	0	80140	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr13:101910793-101944445	exonic	NALCN	13	101910793	101944445	3	0	0	0	0	0	33652	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr13:101910793-101944717	exonic	NALCN	13	101910793	101944717	3	0	0	0	0	0	33924	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr13:102227775-102250649	exonic	ITGBL1	13	102227775	102250649	3	0	0	0	0	0	22874	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr13:36857605-36869994	exonic	CCDC169, CCDC169-SOHLH2	13	36857605	36869994	3	0	0	0	0	0	12389	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr13:73482668-73539542	exonic	PIBF1	13	73482668	73539542	3	0	0	0	0	0	56874	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:102457863-102461637	exonic	DYNC1H1	14	102457863	102461637	3	0	0	0	0	0	3774	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:31626045-31626509	exonic	HECTD1	14	31626045	31626509	3	0	0	0	0	0	464	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:33630146-33684793	exonic	NPAS3	14	33630146	33684793	3	0	0	0	0	0	54647	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:51131896-51132337	exonic	SAV1	14	51131896	51132337	3	0	0	0	0	0	441	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:56117045-56119658	exonic	KTN1	14	56117045	56119658	3	0	0	0	0	0	2613	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:58563442-58564821	exonic	C14orf37	14	58563442	58564821	3	0	0	0	0	0	1379	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:61075595-61076316	intergenic		14	61075595	61076316	3	0	0	0	0	0	721	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
		SIX6 (dist=97070), SALRNA1 (dist=29618)																
chr14:64449347-64453335	exonic	SYNE2	14	64449347	64453335	3	0	0	0	0	0	3988	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:73771038-73772273	intronic	NUMB	14	73771038	73772273	3	0	0	0	0	0	1235	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr14:76638186-76644385	exonic	GPATCH2L	14	76638186	76644385	3	0	0	0	0	0	6199	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr15:101149911-101152632	exonic	ASB7	15	101149911	101152632	3	0	0	0	0	0	2721	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr15:44861595-44862856	exonic	SPG11	15	44861595	44862856	3	0	0	0	0	0	1261	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr15:51855578-51868378	exonic	DMXL2	15	51855578	51868378	3	0	0	0	0	0	12800	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr15:65746600-65766626	exonic	DPP8	15	65746600	65766626	3	0	0	0	0	0	20026	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr15:86259018-86262557	exonic	AKAP13	15	86259018	86262557	3	0	0	0	0	0	3539	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:15091610-15092262	exonic	PDXDC1	16	15091610	15092262	3	0	0	0	0	0	652	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:30394799-30395254	intronic	ZNF48	16	30394799	30395254	3	0	0	0	0	0	455	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:31276716-31277468	exonic	ITGAM	16	31276716	31277468	3	0	0	0	0	0	752	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:57238415-57250947	exonic	RSPRY1	16	57238415	57250947	3	0	0	0	0	0	12532	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:67736300-67736612	intronic	GFOD2	16	67736300	67736612	3	0	0	0	0	0	312	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:78142320-78143732	exonic	WVOX	16	78142320	78143732	3	0	0	0	0	0	1412	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:87376482-87393972	exonic	FBXO31	16	87376482	87393972	3	0	0	0	0	0	17490	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:88037901-88071617	exonic	BANP	16	88037901	88071617	3	0	0	0	0	0	33716	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:89810154-89810415	intronic	FANCA	16	89810154	89810415	3	0	0	0	0	0	261	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr16:929569-1004666	exonic	LMF1	16	929569	1004666	3	0	0	0	0	0	75097	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:18770594-18781183	exonic	PRPSAP2	17	18770594	18781183	3	0	0	0	0	0	10589	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:35604934-35609962	exonic	ACACA	17	35604934	35609962	3	0	0	0	0	0	5028	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:40989666-40991397	exonic	PSME3	17	40989666	40991397	3	0	0	0	0	0	1731	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:42517400-42519178	intronic	GPATCH8	17	42517400	42519178	3	0	0	0	0	0	1778	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:45447802-45492285	exonic	EFCAB13	17	45447802	45492285	3	0	0	0	0	0	44483	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:48814320-48822174	exonic	LUC7L3	17	48814320	48822174	3	0	0	0	0	0	7854	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:57148183-57161450	exonic	TRIM37	17	57148183	57161450	3	0	0	0	0	0	13267	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:64798551-64804923	exonic	PRKCA	17	64798551	64804923	3	0	0	0	0	0	6372	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:72202067-72202946	intronic	RPL38	17	72202067	72202946	3	0	0	0	0	0	879	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr17:74625094-74625793	exonic	ST6GALNAC1	17	74625094	74625793	3	0	0	0	0	0	699	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr18:11926550-11928325	intergenic	<small>MPPE1 (dist=17754), IMPA2 (dist=53102)</small>	18	11926550	11928325	3	0	0	0	0	0	1775	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr18:59878385-59899660	exonic	KIAA1468	18	59878385	59899660	3	0	0	0	0	0	21275	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr18:68153481-68199023	intergenic	<small>LOC101060542 (dist=101654), GTSR1 (dist=98732)</small>	18	68153481	68199023	3	0	0	0	0	0	45542	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr18:71918328-71920048	downstream	CYB5A (dist=479)	18	71918328	71920048	3	0	0	0	0	0	1720	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr18:7926565-8143777	exonic	PTPRM	18	7926565	8143777	3	0	0	0	0	0	217212	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:10273342-10283850	exonic	DNMT1	19	10273342	10283850	3	0	0	0	0	0	10508	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:10274001-10284581	exonic	DNMT1	19	10274001	10284581	3	0	0	0	0	0	10580	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:11978121-12014780	exonic	ZNF439, ZNF69	19	11978121	12014780	3	0	0	0	0	0	36659	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:14815865-14817585	exonic	ZNF333	19	14815865	14817585	3	0	0	0	0	0	1720	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:31025754-31040421	exonic	ZNF536	19	31025754	31040421	3	0	0	0	0	0	14667	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:46025425-46026076	exonic	VASP	19	46025425	46026076	3	0	0	0	0	0	651	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:47793255-47795430	intergenic	<small>INAPM1 (dist=14275), C5AR1 (dist=17674)</small>	19	47793255	47795430	3	0	0	0	0	0	2175	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:50222714-50223192	intergenic	<small>CPT1C (dist=5726), TSKS (dist=19819)</small>	19	50222714	50223192	3	0	0	0	0	0	478	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr19:54646665-54657577	exonic	CNOT3	19	54646665	54657577	3	0	0	0	0	0	10912	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr19:9763629-9764557	exonic	ZNF562	19	9763629	9764557	3	0	0	0	0	0	928	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:101666862-101676001	exonic	TBC1D8	2	101666862	101676001	3	0	0	0	0	0	9139	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:110323339-110343415	exonic		10-Sep	2	110323339	110343415	3	0	0	0	0	20076	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:110325391-110343415	exonic		10-Sep	2	110325391	110343415	3	0	0	0	0	18024	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:112988280-112996105	exonic	ZC3H8	2	112988280	112996105	3	0	0	0	0	0	7825	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:136527339-136528305	exonic	UBXN4	2	136527339	136528305	3	0	0	0	0	0	966	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:197090495-197106928	exonic	HECW2	2	197090495	197106928	3	0	0	0	0	0	16433	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:201337555-201342659	exonic	SPATS2L	2	201337555	201342659	3	0	0	0	0	0	5104	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:203841991-203847164	exonic	CARF	2	203841991	203847164	3	0	0	0	0	0	5173	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:206628398-206631527	exonic	NRP2	2	206628398	206631527	3	0	0	0	0	0	3129	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:234164747-234178713	exonic	ATG16L1	2	234164747	234178713	3	0	0	0	0	0	13966	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:238635935-238659030	exonic	LRRFIP1	2	238635935	238659030	3	0	0	0	0	0	23095	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:33477743-33500990	exonic	LTBP1	2	33477743	33500990	3	0	0	0	0	0	23247	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:39406328-39456729	exonic	CDKL4	2	39406328	39456729	3	0	0	0	0	0	50401	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:69002352-69015088	exonic	ARHGAP25	2	69002352	69015088	3	0	0	0	0	0	12736	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:71590282-71607695	exonic	ZNF638	2	71590282	71607695	3	0	0	0	0	0	17413	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:96555547-96595015	exonic	ANKRD36C	2	96555547	96595015	3	0	0	0	0	0	39468	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr2:96876661-96884843	ncRNA_intronic	STARD7-AS1	2	96876661	96884843	3	0	0	0	0	0	8182	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr20:10035247-10036124	exonic	ANKEF1	20	10035247	10036124	3	0	0	0	0	0	877	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr20:16316570-16362392	exonic	KIF16B	20	16316570	16362392	3	0	0	0	0	0	45822	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr20:402840-411581	exonic	RBCK1	20	402840	411581	3	0	0	0	0	0	8741	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr20:57242545-57248767	exonic	STX16	20	57242545	57248767	3	0	0	0	0	0	6222	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr20:61488747-61490878	exonic	TCFL5	20	61488747	61490878	3	0	0	0	0	0	2131	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr21:29816469-29818793	intergenic	<small>LOC101927973 (dist=215483), LINC00161 (dist=92817)</small>	21	29816469	29818793	3	0	0	0	0	0	2324	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr21:34614145-34635942	exonic	IFNAR2	21	34614145	34635942	3	0	0	0	0	0	21797	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr21:40590078-40597123	exonic	BRWD1	21	40590078	40597123	3	0	0	0	0	0	7045	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr21:45050202-45064273	exonic	HSF2BP	21	45050202	45064273	3	0	0	0	0	0	14071	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr21:48080874-48081682	exonic	PRMT2	21	48080874	48081682	3	0	0	0	0	0	808	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr22:26057542-26091181	exonic	ADRBK2	22	26057542	26091181	3	0	0	0	0	0	33639	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr22:30366964-30394846	exonic	MTMR3	22	30366964	30394846	3	0	0	0	0	0	27882	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr22:32698499-32701738	intergenic	<small>SLCSA4 (dist=47181), RPPL3 (dist=49134)</small>	22	32698499	32701738	3	0	0	0	0	0	3239	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr22:42575614-42611347	exonic	TCF20	22	42575614	42611347	3	0	0	0	0	0	35733	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr22:44107355-44136215	exonic	EFCAB6	22	44107355	44136215	3	0	0	0	0	0	28860	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr22:46096161-46114373	exonic	ATXN10	22	46096161	46114373	3	0	0	0	0	0	18212	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr3:122928045-122944144	exonic	SEC22A	3	122928045	122944144	3	0	0	0	0	0	16099	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:125006946-125050082	exonic	ZNF148	3	125006946	125050082	2	0	0	2	0	0	43136	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:129930733-129947065	ncRNA_exonic	COL6A4P2	3	129930733	129947065	3	0	0	0	0	0	16332	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:133926315-133930451	exonic	RYK	3	133926315	133930451	3	0	0	0	0	0	4136	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:15000664-15003999	intronic	NR2C2	3	15000664	15003999	3	0	0	0	0	0	3335	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:166952678-167000283	exonic	ZBBX	3	166952678	167000283	3	0	0	0	0	0	47605	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:183454506-183460733	exonic	YEATS2	3	183454506	183460733	3	0	0	0	0	0	6227	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:183573665-183577235	intronic	PARL	3	183573665	183577235	3	0	0	0	0	0	3570	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:184556502-184587316	exonic	VPS8	3	184556502	184587316	3	0	0	0	0	0	30814	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:185190763-185191549	exonic	MAP3K13	3	185190763	185191549	3	0	0	0	0	0	786	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:24338717-24390105	UTR5	-----	3	24338717	24390105	3	0	0	0	0	0	51388	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:27463112-27490288	exonic	SLC4A7	3	27463112	27490288	3	0	0	0	0	0	27176	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:41607515-41877463	exonic	ULK4	3	41607515	41877463	3	0	0	0	0	0	269948	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:52524247-52524695	exonic	NISCH	3	52524247	52524695	3	0	0	0	0	0	448	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:52582678-52583689	intronic	PBRM1	3	52582678	52583689	3	0	0	0	0	0	1011	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:56600977-56647778	exonic	CCDC66	3	56600977	56647778	3	2	0	0	0	0	46801	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr3:72757995-72765768	intergenic	RYBP (dist=262221), SHQ1 (dist=32660)	3	72757995	72765768	3	0	0	0	0	0	7773	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:119944585-119953182	exonic	SYNPO2	4	119944585	119953182	3	0	0	0	0	0	8597	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:129857809-129869725	exonic	SCLT1	4	129857809	129869725	3	0	0	0	0	0	11916	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:146086873-146087142	intronic	OTUD4	4	146086873	146087142	3	0	0	0	0	0	269	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:185580493-185593614	exonic	PRIMPOL	4	185580493	185593614	3	0	0	0	0	0	13121	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:2643939-2644554	intronic	FAM193A	4	2643939	2644554	3	0	0	0	0	0	615	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:36340734-36345488	exonic	DTHD1	4	36340734	36345488	3	0	0	0	0	0	4754	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:38091552-38119813	exonic	TBC1D1	4	38091552	38119813	3	0	0	0	0	0	28261	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:6969030-7002978	exonic	TBC1D14	4	6969030	7002978	1	2	0	0	0	0	33948	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:72306332-72319386	exonic	SLC4A4	4	72306332	72319386	3	0	0	0	0	0	13054	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:76373677-76381065	intergenic	LOC441025 (dist=85901), RCHY1 (dist=23182)	4	76373677	76381065	3	0	0	0	0	0	7388	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:88005272-88016121	exonic	AFF1	4	88005272	88016121	3	0	0	0	0	0	10849	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:88116476-88139339	exonic	KLHL8	4	88116476	88139339	3	0	0	0	0	0	22863	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:89941610-89950800	exonic	FAM13A	4	89941610	89950800	3	0	0	0	0	0	9190	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:14405956-14420130	exonic	TRIO	5	14405956	14420130	3	0	0	0	0	0	14174	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:154169884-154183305	exonic	LARP1	5	154169884	154183305	3	0	0	0	0	0	13421	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:159681356-159682555	splicing	CCNJL	5	159681356	159682555	3	0	0	0	0	0	1199	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:170319391-170351554	exonic	RANBP17	5	170319391	170351554	3	0	0	0	0	0	32163	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:179132679-179151784	exonic	CANX	5	179132679	179151784	3	0	0	0	0	0	19105	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr5:34918468-34923339	exonic	BRIX1	5	34918468	34923339	3	0	0	0	0	0	4871	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:353844-376831	exonic	AHRR	5	353844	376831	3	0	0	0	0	0	22987	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:37243114-37247847	exonic	C5orf42	5	37243114	37247847	3	0	0	0	0	0	4733	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:61846193-61887499	exonic	IPO11, LRRC70	5	61846193	61887499	3	0	0	0	0	0	41306	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr5:68492879-68504186	exonic	CENPH	5	68492879	68504186	3	0	0	0	0	0	11307	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:109884799-109940439	exonic	AK9	6	109884799	109940439	3	0	0	0	0	0	55640	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:131466424-131520713	exonic	AKAP7	6	131466424	131520713	3	0	0	0	0	0	54289	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:136990420-137019820	exonic	MAP3K5	6	136990420	137019820	3	0	0	0	0	0	29400	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:144808683-144860579	exonic	UTRN	6	144808683	144860579	3	0	0	0	0	0	51896	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:155129203-155152274	exonic	SCAF8	6	155129203	155152274	3	0	0	0	0	0	23071	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:169982931-170052104	exonic	WDR27	6	169982931	170052104	3	0	0	0	0	0	69173	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:18215238-18218116	exonic	KDM1B	6	18215238	18218116	3	0	0	0	0	0	2878	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:22020567-22111149	ncRNA_exonic	CASC15	6	22020567	22111149	3	0	0	0	0	0	90582	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:35604791-35614627	exonic	FKBP5	6	35604791	35614627	3	0	0	0	0	0	9836	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:43193385-43194133	exonic	DNPH1	6	43193385	43194133	3	0	0	0	0	0	748	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:46554813-46610035	exonic	CYP39A1	6	46554813	46610035	3	0	0	0	0	0	55222	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:52657654-52712830	exonic	GSTA1, GSTA5	6	52657654	52712830	3	0	0	0	0	0	55176	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:53709910-53713650	intronic	LRRC1	6	53709910	53713650	3	0	0	0	0	0	3740	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:7120591-7120970	intronic	RREB1	6	7120591	7120970	3	0	0	0	0	0	379	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr6:90387288-90398527	exonic	MDN1	6	90387288	90398527	3	0	0	0	0	0	11239	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:100146444-100153358	exonic	AGFG2	7	100146444	100153358	3	0	0	0	0	0	6914	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:105278799-105283568	exonic	ATXN7L1	7	105278799	105283568	3	0	0	0	0	0	4769	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:139796354-139801960	exonic	KDM7A	7	139796354	139801960	3	0	0	0	0	0	5606	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:142149344-142168673	intergenic	<small>TRY2P(dist=177276), MTRNR2L6(dist=205458)</small>	7	142149344	142168673	3	0	0	0	0	0	19329	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:30818048-30821828	exonic	FAM188B	7	30818048	30821828	3	0	0	0	0	0	3780	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:32588459-32594208	exonic	AVL9	7	32588459	32594208	3	0	0	0	0	0	5749	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:32609631-32615684	exonic	AVL9	7	32609631	32615684	3	0	0	0	0	0	6053	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:33376053-33397607	exonic	BBS9	7	33376053	33397607	3	0	0	0	0	0	21554	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:38284784-38289173	intergenic	<small>STAR3NL(dist=14512), TARP(dist=10071)</small>	7	38284784	38289173	3	0	0	0	0	0	4389	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:45044503-45046037	intronic	CCM2	7	45044503	45046037	3	0	0	0	0	0	1534	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr7:5413686-5434226	exonic	TNRC18	7	5413686	5434226	3	0	0	0	0	0	20540	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr8:100108539-100205285	exonic	VPS13B	8	100108539	100205285	3	0	0	0	0	0	96746	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr8:145218674-145230467	exonic	MROH1	8	145218674	145230467	3	0	0	0	0	0	11793	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr8:38803642-38814904	exonic	PLEKHA2	8	38803642	38814904	3	0	0	0	0	0	11262	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr8:99101304-99105610	exonic	ERICH5	8	99101304	99105610	3	0	0	0	0	0	4306	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA

chr9:107610819-107612512	intronic	ABCA1	9	107610819	107612512	3	0	0	0	0	0	1693	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:117086298-117092856	exonic	ORM1,ORM2	9	117086298	117092856	3	0	0	0	0	0	6558	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:130073915-130087374	exonic	GARNL3	9	130073915	130087374	3	0	0	0	0	0	13459	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:130230018-130236210	exonic	LRSAM1	9	130230018	130236210	3	0	0	0	0	0	6192	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:132090572-132092338	intergenic	<small>Chorf106(dist=5690),LINC01503(dist=6864)</small>	9	132090572	132092338	3	0	0	0	0	0	1766	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:132837914-132854660	exonic	GPR107	9	132837914	132854660	3	0	0	0	0	0	16746	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:17309055-17416187	exonic	CNTLN	9	17309055	17416187	3	0	0	0	0	0	107132	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:78682870-78711018	exonic	PCSK5	9	78682870	78711018	3	0	0	0	0	0	28148	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:88257741-88327481	exonic	AGTPBP1	9	88257741	88327481	3	0	0	0	0	0	69740	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:95008957-95010838	exonic	IARS	9	95008957	95010838	3	0	0	0	0	0	1881	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr9:96233422-96259881	exonic	FAM120A	9	96233422	96259881	15	11	11	9	13	2	26459	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:102693190-102693820	intergenic	<small>NGFRAP1(dist=60098),RAB40A(dist=60861)</small>	X	102693190	102693820	3	0	0	0	0	0	630	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:110366305-110395675	exonic	PAK3	X	110366305	110395675	3	0	0	0	0	0	29370	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:118544153-118553307	exonic	SLC25A43	X	118544153	118553307	3	0	0	0	0	0	9154	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:131412036-131417060	ncRNA_intronic	RAP2C-AS1	X	131412036	131417060	3	0	0	0	0	0	5024	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:149983334-149984551	exonic	CD99L2	X	149983334	149984551	3	0	0	0	0	0	1217	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:149983335-149984928	exonic	CD99L2	X	149983335	149984928	3	0	0	0	0	0	1593	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:153225252-153225865	exonic	HCFC1	X	153225252	153225865	3	0	0	0	0	0	613	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:31272602-31273065	intronic	DMD	X	31272602	31273065	3	0	0	0	0	0	463	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:73045950-73061308	ncRNA_exonic	TSIX,XIST	X	73045950	73061308	3	0	0	0	0	0	15358	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:73050900-73057338	ncRNA_exonic	XIST	X	73050900	73057338	3	0	0	0	0	0	6438	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:73959204-73965532	exonic	KIAA2022	X	73959204	73965532	3	0	0	0	0	0	6328	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chrX:85211157-85219057	exonic	CHM	X	85211157	85219057	3	0	0	0	0	0	7900	0.386960828	2.183944112	4.016814454	0.543700521	NA	NA
chr4:54280781-54310270	exonic	FIP1L1	4	54280781	54310270	3	1	1	1	0	0	29489	0.864817038	2.184969142	2.741099772	0.797114051	0.425384797	0.998252924
chr2:97866070-97873743	exonic	ANKRD36	2	97866070	97873743	6	0	10	5	0	0	7673	3.278168838	2.202671312	1.877465971	1.173215039	0.240709583	0.998252924
chr1:31465236-31479949	exonic	PUM1	1	31465236	31479949	2	4	2	0	2	0	14713	1.591669977	2.204487126	2.176892695	1.012676064	0.311214915	0.998252924
chr19:10906047-10916643	exonic	DNM2	19	10906047	10916643	0	0	4	1	0	0	10596	0.895387487	2.206438861	3.204157522	0.688617474	NA	NA
chr20:47558400-47570327	exonic	ARFGEF2	20	47558400	47570327	0	0	4	1	0	0	11927	0.895387487	2.206438861	3.204157522	0.688617474	NA	NA
chr8:116599227-116635985	exonic	TRPS1	8	116599227	116635985	0	5	2	2	0	0	36758	1.478539817	2.21282956	2.44398104	0.905420101	0.365242871	0.998252924
chr14:103296670-103369766	exonic	TRAF3	14	103296670	103369766	2	2	1	0	1	0	73096	0.924821931	2.215441711	2.665886216	0.831033859	0.405954502	0.998252924
chr20:60572605-60589763	exonic	TAF4	20	60572605	60589763	2	2	1	0	1	0	17158	0.924821931	2.215441711	2.665886216	0.831033859	0.405954502	0.998252924
chr2:172193962-172196064	exonic	METTL8	2	172193962	172196064	3	0	2	1	0	0	2102	0.887810265	2.220725509	2.914781898	0.761883937	0.446129278	0.998252924
chr2:20490412-20527139	exonic	PUM2	2	20490412	20527139	3	0	2	1	0	0	36727	0.887810265	2.220725509	2.914781898	0.761883937	0.446129278	0.998252924
chr18:8718421-8720494	exonic	MTCL1	18	8718421	8720494	16	5	0	2	3	0	2073	3.510875116	2.222917158	1.682404344	1.321274024	0.186410012	0.998252924
chr20:35433137-35434360	exonic	SOGA1	20	35433137	35434360	2	3	0	1	0	0	1223	0.887112668	2.223132719	2.915652696	0.762482007	0.445772378	0.998252924

chr9:108467877-108484902	exonic	TMEM38B	9	108467877	108484902	2	3	0	1	0	0	17025	0.887112668	2.223132719	2.915652696	0.762482007	0.445772378	0.998252924
chr9:27009017-27029102	exonic	IFT74	9	27009017	27029102	2	3	0	1	0	0	20085	0.887112668	2.223132719	2.915652696	0.762482007	0.445772378	0.998252924
chr4:87685745-87689129	exonic	PTPN13	4	87685745	87689129	13	30	12	10	6	0	3384	11.06161092	2.226250228	1.02167079	2.179028949	0.029329518	0.998252924
chr13:113392595-113394585	intronic	ATP11A	13	113392595	113394585	0	0	7	0	2	0	1990	1.622938022	2.226357117	2.618734414	0.850165295	NA	NA
chr9:36352738-36353328	exonic	RNF38	9	36352738	36353328	0	0	7	0	2	0	590	1.622938022	2.226357117	2.618734414	0.850165295	NA	NA
chr19:8616623-8618321	exonic	MYO1F	19	8616623	8618321	0	4	3	2	0	0	1698	1.501533043	2.234890339	2.421330612	0.923000902	NA	NA
chr1:40654726-40668286	exonic	RLF	1	40654726	40668286	4	7	1	0	3	0	13560	2.296229656	2.247689179	1.947576648	1.154095363	0.248461074	0.998252924
chr6:36181656-36185787	exonic	BRPF3	6	36181656	36185787	3	1	4	1	1	0	4131	1.577651536	2.248056631	2.087190116	1.077073245	0.281447545	0.998252924
chr12:32751430-32778713	exonic	FGD4	12	32751430	32778713	2	1	2	0	0	1	27283	1.135006344	2.2503879	2.549090691	0.882819865	NA	NA
chr6:150147399-150174296	exonic	LRP11	6	150147399	150174296	1	4	0	0	0	1	26897	1.134308748	2.251291248	2.763852634	0.814548222	NA	NA
chr2:162036124-162061304	exonic	TANK	2	162036124	162061304	0	4	9	0	2	1	25180	3.022797878	2.278660164	1.858778222	1.225891361	0.22023956	0.998252924
chr20:34241450-34246936	exonic	CPNE1, RBM12	20	34241450	34246936	0	9	4	4	0	0	5486	2.782803834	2.289196199	1.994874571	1.147538914	0.25115896	0.998252924
chr2:230701563-230744844	exonic	TRIP12	2	230701563	230744844	2	1	2	1	0	0	43281	0.933099121	2.292389453	2.662912579	0.860857946	0.389316286	0.998252924
chr6:86227473-86239993	exonic	SNX14	6	86227473	86239993	6	2	1	2	0	0	12520	1.532365051	2.295401297	2.222730857	1.032694215	0.301747022	0.998252924
chr1:16093870-16095125	exonic	FBLIM1	1	16093870	16095125	1	4	0	1	0	0	1255	0.932401524	2.29635173	2.898778369	0.792179131	0.428256235	0.998252924
chr16:58608512-58617086	exonic	CNOT1	16	58608512	58617086	5	0	1	0	1	0	8574	0.963231161	2.300466611	2.855802019	0.805541349	0.420507355	0.998252924
chr18:59739905-59763183	exonic	PIGN	18	59739905	59763183	0	6	5	0	3	0	23278	2.395082187	2.310033352	2.086260343	1.107260348	NA	NA
chr17:65924470-65928135	exonic	BPTF	17	65924470	65928135	5	1	0	1	0	0	3665	0.925521898	2.312265195	2.894127129	0.798950804	0.424318939	0.998252924
chr18:9588086-9595100	exonic	PPP4R1	18	9588086	9595100	5	1	0	1	3	0	7014	0.925521898	2.312265195	2.894127129	0.798950804	0.424318939	0.998252924
chr9:115336336-115337531	exonic	KIAA1958	9	115336336	115337531	3	7	2	1	2	0	1195	2.349795702	2.316584015	1.799493414	1.287353428	0.197971129	0.998252924
chr12:120995084-120998689	exonic	RNF10	12	120995084	120998689	1	2	2	0	1	0	3605	0.993104014	2.318596417	2.613678611	0.887100811	0.375024627	0.998252924
chr3:37315026-37323763	exonic	GOLGA4	3	37315026	37323763	1	2	2	0	1	0	8737	0.993104014	2.318596417	2.613678611	0.887100811	0.375024627	0.998252924
chr5:43295853-43297268	exonic	HMGCS1	5	43295853	43297268	1	2	2	0	1	0	1415	0.993104014	2.318596417	2.613678611	0.887100811	0.375024627	0.998252924
chr1:10500403-10502498	exonic	APITD1, APITD1-CORT	1	10500403	10502498	0	5	0	0	1	0	2095	0.992406417	2.319622738	3.087523461	0.751289105	NA	NA
chr15:50592985-50601995	exonic	GABPB1	15	50592985	50601995	0	5	0	0	1	0	9010	0.992406417	2.319622738	3.087523461	0.751289105	NA	NA
chr2:112758777-112761561	exonic	MERTK	2	112758777	112761561	0	5	0	0	1	0	2784	0.992406417	2.319622738	3.087523461	0.751289105	NA	NA
chr4:186241886-186267804	exonic	SNX25	4	186241886	186267804	0	5	0	0	1	0	25918	0.992406417	2.319622738	3.087523461	0.751289105	NA	NA
chr1:15953163-15970145	exonic	DDI2	1	15953163	15970145	2	1	0	0	0	0	16982	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr1:179086466-179087899	exonic	ABL2	1	179086466	179087899	2	1	0	0	0	0	1433	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr1:184853766-184868442	exonic	FAM129A	1	184853766	184868442	2	1	0	0	0	0	14676	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr1:227300012-227316932	exonic	CDC42BPA	1	227300012	227316932	2	1	0	0	0	0	16920	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr10:1130342-1142186	exonic	WDR37	10	1130342	1142186	2	1	0	0	0	0	11844	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr10:35305119-35320547	exonic	CUL2	10	35305119	35320547	0	1	0	0	3	3	15428	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr10:35321362-35338693	exonic	CUL2	10	35321362	35338693	2	1	0	0	0	0	17331	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr11:562776-563165	exonic	RASSF7	11	562776	563165	2	1	0	0	0	0	389	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924

chr11:82917099-82922472	exonic	ANKRD42	11	82917099	82922472	2	1	0	0	0	0	5373	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr12:107236366-107245372	exonic	RIC8B	12	107236366	107245372	2	1	0	0	0	0	9006	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr12:110764194-110765822	exonic	ATP2A2	12	110764194	110765822	2	1	0	0	0	0	1628	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr12:12639961-12674397	exonic	DUSP16	12	12639961	12674397	2	1	0	0	0	0	34436	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr14:35252967-35262127	exonic	BAZ1A	14	35252967	35262127	2	1	0	0	0	0	9160	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr14:75583897-75587877	exonic	NEK9	14	75583897	75587877	2	1	0	0	0	0	3980	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr16:2312278-2314761	exonic	RNPS1	16	2312278	2314761	2	1	0	0	0	0	2483	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr16:23424768-23428442	exonic	COG7	16	23424768	23428442	2	1	0	0	0	0	3674	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr17:46925425-46933549	exonic	CALCOCO2	17	46925425	46933549	2	1	0	0	0	0	8124	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr17:49118861-49157065	exonic	SPAG9	17	49118861	49157065	2	1	0	0	0	0	38204	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr17:79532530-79539114	exonic	NPLOC4	17	79532530	79539114	2	1	0	0	0	0	6584	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr19:5039846-5047680	exonic	KDM4B	19	5039846	5047680	2	1	0	0	0	0	7834	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr19:55756487-55757046	exonic	PPP6R1	19	55756487	55757046	2	1	0	0	0	0	559	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr2:144899448-144969146	exonic	GTDC1	2	144899448	144969146	2	1	0	0	0	0	69698	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr2:152698416-152739884	exonic	CACNB4	2	152698416	152739884	2	1	0	0	0	0	41468	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr2:240929490-240961757	exonic	NDUFA10	2	240929490	240961757	2	1	0	0	0	0	32267	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr2:33482350-33534623	exonic	LTBP1	2	33482350	33534623	2	1	0	0	0	0	52273	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr20:13251150-13273110	exonic	ISM1	20	13251150	13273110	2	1	0	0	0	0	21960	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr21:30324481-30329798	exonic	LTN1	21	30324481	30329798	2	1	0	0	0	0	5317	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr21:38480691-38524329	exonic	TTC3	21	38480691	38524329	2	2	0	0	0	0	43638	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr21:38480691-38525577	exonic	TTC3	21	38480691	38525577	2	1	0	0	0	0	44886	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr22:46085591-46125470	exonic	ATXN10	22	46085591	46125470	2	1	0	0	0	0	39879	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr3:188925164-188956698	exonic	TPRG1	3	188925164	188956698	2	1	0	0	0	0	31534	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr3:197710813-197729996	exonic	LMLN	3	197710813	197729996	2	1	0	0	0	0	19183	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr3:44402856-44409200	exonic	TCAIM	3	44402856	44409200	2	1	0	0	0	0	6344	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr3:44970797-44986784	exonic	ZDHHC3	3	44970797	44986784	2	1	0	0	0	0	15987	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr3:52524247-52524694	exonic	NISCH	3	52524247	52524694	2	1	0	0	0	0	447	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr5:176707565-176715926	exonic	NSD1	5	176707565	176715926	2	1	0	0	0	0	8361	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr5:179994242-179994815	exonic	CNOT6	5	179994242	179994815	2	1	0	0	0	0	573	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr6:129498850-129513998	exonic	LAMA2	6	129498850	129513998	2	1	0	0	0	0	15148	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr6:84055891-84108235	exonic	ME1	6	84055891	84108235	2	1	0	0	0	0	52344	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr6:84055891-84117620	exonic	ME1	6	84055891	84117620	2	1	0	0	0	0	61729	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr7:74239461-74251505	exonic	GTF2IRD2	7	74239461	74251505	2	1	0	0	0	0	12044	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr8:42317413-42323435	exonic	SLC20A2	8	42317413	42323435	2	1	0	0	0	0	6022	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr9:129957369-129961345	exonic	RALGPS1	9	129957369	129961345	2	1	0	0	0	0	3976	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924

chr9:132740743-132757237	exonic	FNBP1	9	132740743	132757237	2	1	0	0	0	0	16494	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr9:22029431-22097363	ncRNA_exonic	CDKN2B-AS1	9	22029431	22097363	2	1	0	0	0	0	67932	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr9:33953282-33956144	exonic	UBAP2	9	33953282	33956144	2	1	0	0	0	0	2862	0.432249685	2.324347661	4.006762691	0.580106146	0.56184304	0.998252924
chr17:30498061-30510291	exonic	RHOT1	17	30498061	30510291	2	0	3	1	0	0	12230	0.956092347	2.328217963	2.849771214	0.816984167	0.413937476	0.998252924
chr2:200213423-200298237	exonic	SATB2	2	200213423	200298237	4	2	0	0	1	0	84814	0.985526791	2.336554126	2.804516103	0.83313985	0.404765861	0.998252924
chr9:5954015-5988545	exonic	KIAA2026	9	5954015	5988545	7	3	3	1	2	0	34530	2.365909302	2.336920507	1.767252027	1.322347052	0.186052612	0.998252924
chr1:76198328-76216231	exonic	ACADM	1	76198328	76216231	4	2	0	0	0	1	17903	1.172717978	2.339547882	2.695656202	0.867895498	NA	NA
chr1:87181406-87190088	exonic	SH3GLB1	1	87181406	87190088	2	7	0	0	2	0	8682	1.719959323	2.343762833	2.331475535	1.005270181	0.31476677	0.998252924
chr6:117013217-117047785	exonic	KPNA5	6	117013217	117047785	1	1	3	0	0	1	34568	1.203288427	2.350295177	2.531041071	0.928588321	NA	NA
chr8:17847367-17851128	exonic	PCM1	8	17847367	17851128	1	1	3	0	1	0	3761	1.01609724	2.350764545	2.617050643	0.898249543	0.369052526	0.998252924
chr12:32734893-32764217	exonic	FGD4	12	32734893	32764217	0	3	1	0	0	1	29324	1.202590831	2.353467367	2.720254732	0.865164332	NA	NA
chr3:133341934-133343019	exonic	TOPBP1	3	133341934	133343019	1	2	2	1	0	0	1085	0.978387977	2.360950774	2.628169012	0.898325322	0.369012137	0.998252924
chr17:65906992-65919106	exonic	BPTF	17	65906992	65919106	4	1	1	0	1	0	12114	1.008520018	2.373248019	2.606675654	0.910450065	0.362585205	0.998252924
chr9:100756912-100760960	exonic	ANP32B	9	100756912	100760960	7	2	1	1	1	0	4048	1.67606803	2.379257222	2.053958274	1.15837661	0.24671038	0.998252924
chr3:11399891-11468400	exonic	ATG7	3	11399891	11468400	4	2	0	1	0	0	68509	0.970810754	2.381499887	2.821004468	0.844202806	0.398556087	0.998252924
chr17:80521229-80529746	exonic	FOXK2	17	80521229	80529746	0	3	2	0	0	1	8517	1.225584057	2.385270182	2.679053356	0.890340678	NA	NA
chr15:33256307-33261678	exonic	FMN1	15	33256307	33261678	0	3	2	0	1	0	5371	1.03839287	2.385732952	2.777608181	0.858916304	0.390386694	0.998252924
chr5:170305100-170323119	exonic	RANBP17	5	170305100	170323119	0	3	2	0	1	0	18019	1.03839287	2.385732952	2.777608181	0.858916304	0.390386694	0.998252924
chr1:230798886-230800333	exonic	COG2	1	230798886	230800333	2	0	1	0	0	0	1447	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr1:243727021-244006584	exonic	AKT3	1	243727021	244006584	2	0	1	0	0	0	279563	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr1:76198328-76200556	exonic	ACADM	1	76198328	76200556	2	0	1	0	0	0	2228	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr1:92728419-92737209	exonic	GLMN	1	92728419	92737209	2	0	1	0	0	0	8790	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr10:75289437-75299351	exonic	USP54	10	75289437	75299351	2	0	1	0	0	0	9914	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr11:82917099-82951976	exonic	ANKRD42	11	82917099	82951976	2	0	1	0	0	0	34877	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr13:113960799-113965182	exonic	LAMP1	13	113960799	113965182	2	0	1	0	0	0	4383	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr13:33016524-33095586	exonic	N4BP2L2	13	33016524	33095586	2	0	1	0	0	0	79062	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr17:44407815-44410022	exonic	LRRC37A	17	44407815	44410022	2	0	1	0	0	0	2207	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr17:65920662-65972074	exonic	BPTF	17	65920662	65972074	2	0	1	0	0	0	51412	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr17:74763467-74772623	exonic	MFS11	17	74763467	74772623	2	0	1	0	0	0	9156	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr18:33722243-33726344	exonic	ELP2	18	33722243	33726344	2	0	1	0	0	0	4101	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr18:74082482-74092259	exonic	ZNF516	18	74082482	74092259	2	0	1	0	0	0	9777	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr2:10740978-10747437	exonic	NOL10	2	10740978	10747437	2	0	1	0	0	0	6459	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr2:10928822-10930959	exonic	PDIA6	2	10928822	10930959	2	0	1	0	0	0	2137	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr2:27700083-27707133	exonic	IFT172	2	27700083	27707133	2	0	1	0	0	0	7050	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr20:33001547-33030108	exonic	ITCH	20	33001547	33030108	2	0	1	0	0	0	28561	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924

chr20:50091994-50140135	exonic	NFATC2	20	50091994	50140135	2	0	1	0	0	0	48141	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr3:113060590-113063559	exonic	CFAP44	3	113060590	113063559	2	0	1	0	0	0	2969	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr3:30713129-30715738	exonic	TGFBR2	3	30713129	30715738	2	0	1	0	0	0	2609	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr4:103446668-103488292	exonic	NFKB1	4	103446668	103488292	2	0	1	0	0	0	41624	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr5:137342678-137346838	exonic	FAM13B	5	137342678	137346838	2	0	1	0	0	0	4160	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr5:159681355-159682555	splicing	CCNJL	5	159681355	159682555	2	0	1	0	0	0	1200	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr5:54562965-54568003	exonic	DHX29	5	54562965	54568003	2	0	1	0	0	0	5038	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr5:74109664-74137504	exonic	FAM169A	5	74109664	74137504	2	0	1	0	0	0	27840	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr5:76330242-76335544	exonic	AGGF1	5	76330242	76335544	2	0	1	0	0	0	5302	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr7:107569508-107572822	exonic	LAMB1	7	107569508	107572822	2	0	1	0	0	0	3314	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr7:40027197-40102699	exonic	CDK13	7	40027197	40102699	2	0	1	0	0	0	75502	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr8:101287180-101300495	exonic	RNF19A	8	101287180	101300495	2	0	1	0	0	0	13315	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr8:37985808-37986469	exonic	ASH2L	8	37985808	37986469	2	0	1	0	0	0	661	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr8:42286275-42330172	exonic	SLC20A2	8	42286275	42330172	2	0	1	0	0	0	43897	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr9:37768072-37770736	exonic	TRMT10B	9	37768072	37770736	2	0	1	0	0	0	2664	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chrX:79544404-79565732	ncRNA_exonic	CHMP1B2P	X	79544404	79565732	2	0	1	0	0	0	21328	0.455242911	2.389021128	4.002442318	0.596890833	0.550580268	0.998252924
chr11:77402203-77413540	exonic	RSF1	11	77402203	77413540	1	1	3	1	0	0	11337	1.001381204	2.393249892	2.631109783	0.909597124	0.363035016	0.998252924
chr1:28785595-28793279	exonic	PHACTR4	1	28785595	28793279	14	4	0	4	0	0	7684	2.928165936	2.400312694	1.947104093	1.232760335	0.217665194	0.998252924
chr10:52193235-52226692	UTR5	<small>SOM1 (NM_147156:c.-122553_-122818delins0)</small>	10	52193235	52226692	4	0	2	0	1	0	33457	1.031513244	2.400702215	2.766722179	0.867706282	0.385555146	0.998252924
chr15:86207793-86251317	exonic	AKAP13	15	86207793	86251317	4	0	2	0	1	0	43524	1.031513244	2.400702215	2.766722179	0.867706282	0.385555146	0.998252924
chr17:18768781-18814564	exonic	PRPSAP2	17	18768781	18814564	3	3	0	0	1	0	45783	1.030815647	2.40281284	2.759765925	0.870658202	0.383940807	0.998252924
chr19:11446122-11446459	exonic	RAB3D	19	11446122	11446459	3	3	0	0	1	0	337	1.030815647	2.40281284	2.759765925	0.870658202	0.383940807	0.998252924
chr4:87693930-87696805	exonic	PTPN13	4	87693930	87696805	0	11	0	3	0	0	2875	2.235967945	2.415730525	3.865714455	0.624911786	NA	NA
chr1:231885671-231906816	exonic	DISC1	1	231885671	231906816	0	2	3	0	0	1	21145	1.248577284	2.416503197	2.665780439	0.906489957	0.364676578	0.998252924
chr17:49294694-49302570	exonic	MBTD1	17	49294694	49302570	0	2	3	0	0	1	7876	1.248577284	2.416503197	2.665780439	0.906489957	0.364676578	0.998252924
chr5:72370568-72378652	exonic	FCHO2	5	72370568	72378652	0	2	3	0	1	0	8084	1.061386097	2.417310182	2.760061383	0.875817544	0.381129231	0.998252924
chr16:10522724-10534319	exonic	ATF7IP2	16	10522724	10534319	3	0	6	0	2	0	11595	1.812629825	2.419201423	2.284411902	1.059004035	0.289597942	0.998252924
chr5:138979956-139003046	exonic	UBE2D2	5	138979956	139003046	2	2	5	0	2	0	23090	1.834925455	2.43388333	2.094143901	1.162233086	0.245140798	0.998252924
chr15:79233224-79235680	intronic	CTSH	15	79233224	79235680	3	4	2	2	0	0	2456	1.691224846	2.4362262	2.122668665	1.147718549	0.251084771	0.998252924
chr3:196831773-196846401	exonic	DLG1	3	196831773	196846401	3	2	1	0	1	0	14628	1.053808874	2.437308966	2.548406915	0.956404942	0.338867689	0.998252924
chr13:41410732-41429951	ncRNA_exonic	TPTE2P5	13	41410732	41429951	3	3	0	1	0	0	19219	1.016099611	2.447250667	2.775329051	0.881787573	0.377891693	0.998252924
chr11:9441957-9446809	exonic	IPO7	11	9441957	9446809	9	5	0	3	0	0	4852	2.351195636	2.450917079	2.069594969	1.184249631	0.236314261	0.998252924
chr19:9763629-9771550	exonic	ZNF562	19	9763629	9771550	6	4	0	2	0	0	7921	1.683647623	2.453247819	2.309868484	1.06207251	0.288202769	0.998252924
chr1:179961196-179966310	exonic	CEP350	1	179961196	179966310	1	2	0	0	0	0	5114	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:207196857-207198231	splicing	Clorf116	1	207196857	207198231	1	2	0	0	0	0	1374	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924

chr1:212218001-212220759	exonic	DTL	1	212218001	212220759	1	2	0	0	0	0	2758	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:22047528-22056325	exonic	USP48	1	22047528	22056325	1	2	0	0	0	0	8797	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:23107913-23111569	exonic	EPHB2	1	23107913	23111569	1	2	0	0	0	0	3656	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:23397717-23398690	exonic	KDM1A	1	23397717	23398690	1	2	0	0	0	0	973	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:235597518-235600789	exonic	TBCE	1	235597518	235600789	1	2	0	0	0	0	3271	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:33290913-33295668	exonic	S100BPB	1	33290913	33295668	1	2	0	0	0	0	4755	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr1:94009663-94014983	exonic	FNBP1L	1	94009663	94014983	1	2	0	0	0	0	5320	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr12:112130500-112147488	exonic	ACAD10	12	112130500	112147488	1	2	0	0	0	0	16988	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr12:133313478-133331719	exonic	ANKLE2	12	133313478	133331719	1	2	0	0	0	0	18241	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr14:92347635-92361416	exonic	FBLN5	14	92347635	92361416	1	2	0	0	0	0	13781	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr15:63986162-64008672	exonic	HERC1	15	63986162	64008672	1	2	0	0	0	0	22510	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr15:73862490-73866136	exonic	NPTN	15	73862490	73866136	1	2	0	0	0	0	3646	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr16:21030945-21051265	exonic	DNAH3	16	21030945	21051265	1	2	0	0	0	0	20320	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr16:21809070-21812158	ncRNA_exonic	RRN3P1	16	21809070	21812158	1	2	0	0	0	0	3088	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr18:74561481-74620529	exonic	ZNF236	18	74561481	74620529	1	2	0	0	0	0	59048	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr18:77170402-77193738	exonic	NFATC1	18	77170402	77193738	1	2	0	0	0	0	23336	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr19:40761064-40771258	exonic	AKT2	19	40761064	40771258	1	2	0	0	0	0	10194	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr19:5641604-5641957	exonic	SAFB	19	5641604	5641957	1	2	0	0	0	0	353	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr2:100029192-100052403	exonic	REV1	2	100029192	100052403	1	2	0	0	0	0	23211	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr2:168869143-168921891	exonic	STK39	2	168869143	168921891	1	2	0	0	0	0	52748	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr2:173451005-173460751	exonic	PDK1	2	173451005	173460751	1	2	0	0	0	0	9746	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr2:202410265-202469420	exonic	ALS2CR11	2	202410265	202469420	1	2	0	0	0	0	59155	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr2:96589242-96628295	exonic	ANKRD36C	2	96589242	96628295	1	2	0	0	0	0	39053	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr21:38480691-38558075	exonic	TTC3	21	38480691	38558075	1	2	0	0	0	0	77384	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr22:30218323-30228331	exonic	ASCC2	22	30218323	30228331	1	2	0	0	0	0	10008	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr3:129551616-129599402	UTR5	<small>UTR5 (MIM:600179) : chr3 : 129551616-129599402 : chr3 : 129551616-129599402</small>	3	129551616	129599402	1	2	0	0	0	0	47786	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr3:38240212-38278452	exonic	OXSRI	3	38240212	38278452	1	2	0	0	0	0	38240	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr4:88104354-88116842	exonic	KLHL8	4	88104354	88116842	1	2	0	0	0	0	12488	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr5:145539936-145552337	exonic	LARS	5	145539936	145552337	1	2	0	0	0	0	12401	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr5:70779668-70786958	exonic	BDP1	5	70779668	70786958	1	2	0	0	0	0	7290	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr5:78692645-78752841	exonic	HOMER1	5	78692645	78752841	1	2	0	0	0	0	60196	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr7:11068307-11101712	exonic	PHF14	7	11068307	11101712	1	2	0	0	0	0	33405	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr7:138957067-138958820	exonic	UBN2	7	138957067	138958820	1	2	0	0	0	0	1753	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr7:66563527-66582605	exonic	TYW1	7	66563527	66582605	1	2	0	0	0	0	19078	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr8:19683936-19694671	exonic	INTS10	8	19683936	19694671	1	2	0	0	0	0	10735	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924

chr9:32480216-32481495	exonic	DDX58	9	32480216	32481495	1	2	0	0	0	0	1279	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chrX:17705861-17710588	exonic	NHS	X	17705861	17710588	1	2	0	0	0	0	4727	0.477538541	2.45455251	3.976489343	0.617266211	0.53705915	0.998252924
chr19:37398830-37406153	exonic	ZNF829	19	37398830	37406153	7	0	0	1	0	0	7323	1.009219985	2.455281661	3.059607654	0.80248252	NA	NA
chr14:50262508-50298995	exonic	NEMF	14	50262508	50298995	2	4	0	0	1	0	36487	1.076104504	2.466047007	2.733073796	0.902297995	0.36689859	0.998252924
chr16:30510394-30510810	exonic	ITGAL	16	30510394	30510810	0	2	6	2	0	0	416	1.744788522	2.476698067	2.334242036	1.061028818	0.288676805	0.998252924
chr3:50150815-50151684	exonic	RBM5	3	50150815	50151684	0	0	5	0	1	0	869	1.107372549	2.481673164	2.985432889	0.831260744	NA	NA
chr4:108603170-108615162	exonic	PAPSS1	4	108603170	108615162	0	1	4	1	0	0	11992	1.069663286	2.493561721	2.784841757	0.895405175	0.370570535	0.998252924
chr9:100092435-100093049	exonic	CCDC180	9	100092435	100093049	6	5	0	0	2	0	614	1.887355496	2.509204713	2.229932096	1.125238171	0.260488122	0.998252924
chr1:115276352-115280693	exonic	CSDE1	1	115276352	115280693	1	1	1	0	0	0	4341	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr1:98015115-98039526	exonic	DPYD	1	98015115	98039526	1	1	1	0	0	0	24411	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr11:86778735-86802437	exonic	TMEM135	11	86778735	86802437	1	1	1	0	0	0	23702	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr14:72054287-72090953	exonic	SIPA1L1	14	72054287	72090953	1	1	1	0	0	0	36666	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr18:20516716-20529676	exonic	RBBP8	18	20516716	20529676	1	1	1	0	0	0	12960	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr3:172060906-172061859	exonic	FNDC3B	3	172060906	172061859	1	1	1	0	0	0	953	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr4:121675707-121706246	exonic	PRDM5	4	121675707	121706246	1	1	1	0	0	0	30539	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr7:105121498-105146720	exonic	PUS7	7	105121498	105146720	1	1	1	0	0	0	25222	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr9:135153456-135156961	exonic	SETX	9	135153456	135156961	1	1	1	0	0	0	3505	0.500531767	2.513786052	3.580248458	0.702126146	0.482600498	0.998252924
chr21:38480691-38501363	exonic	TTC3	21	38480691	38501363	1	5	0	0	1	0	20672	1.12139336	2.526639283	2.733205643	0.924423411	NA	NA
chr17:29550461-29554624	exonic	NF1	17	29550461	29554624	2	2	2	0	1	0	4163	1.122090957	2.526785425	2.486348492	1.016263582	0.309503886	0.998252924
chr1:150198939-150201570	exonic	ANP32E	1	150198939	150201570	3	0	3	1	0	0	2631	1.08507929	2.538024777	2.722452822	0.932256661	0.3512039	0.998252924
chr5:156919980-156921803	exonic	ADAM19	5	156919980	156921803	3	0	3	1	0	0	1823	1.08507929	2.538024777	2.722452822	0.932256661	0.3512039	0.998252924
chr10:22880557-22898646	exonic	PIP4K2A	10	22880557	22898646	2	3	1	1	0	0	18089	1.084381693	2.538921273	2.532898592	1.002377782	0.316161169	0.998252924
chr8:42202470-42214910	exonic	POLB	8	42202470	42214910	5	2	0	0	1	0	12440	1.114513734	2.539812792	2.693923521	0.942793206	0.345786688	0.998252924
chr2:169018296-169038600	exonic	STK39	2	169018296	169038600	5	11	7	0	5	0	20304	4.547988791	2.554182478	1.515177942	1.685731034	NA	NA
chr1:155209406-155209868	exonic	GBA	1	155209406	155209868	1	0	2	0	0	0	462	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr1:197621364-197684204	exonic	DENND1B	1	197621364	197684204	1	0	2	0	0	0	62840	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr10:128768965-129055693	exonic	DOCK1, FAM196A	10	128768965	129055693	1	0	2	0	0	0	286728	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr10:62021616-62039397	exonic	ANK3	10	62021616	62039397	1	0	2	0	0	0	17781	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr11:111907996-111910121	exonic	DLAT	11	111907996	111910121	1	0	2	0	0	0	2125	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr11:128638012-128651918	exonic	FLI1	11	128638012	128651918	1	0	2	0	0	0	13906	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr12:69653207-69656342	exonic	CPSF6	12	69653207	69656342	1	0	2	0	0	0	3135	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr14:71443658-71462642	exonic	PCNX	14	71443658	71462642	1	0	2	0	0	0	18984	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr15:65268812-65275931	exonic	SPG21	15	65268812	65275931	1	0	2	0	0	0	7119	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr15:75706545-75715164	exonic	SIN3A	15	75706545	75715164	1	0	2	0	0	0	8619	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr15:91162972-91169225	exonic	CRTC3	15	91162972	91169225	1	0	2	0	0	0	6253	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924

chr2:128941248-128945188	exonic	UGGT1	2	128941248	128945188	1	0	2	0	0	0	3940	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr2:197143251-197157474	exonic	HECW2	2	197143251	197157474	1	0	2	0	0	0	14223	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr2:43931119-43980899	exonic	PLEKHH2	2	43931119	43980899	1	0	2	0	0	0	49780	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr20:47691321-47707559	exonic	CSE1L	20	47691321	47707559	1	0	2	0	0	0	16238	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr3:138400808-138409985	exonic	PIK3CB	3	138400808	138409985	1	0	2	0	0	0	9177	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr3:195047613-195066046	exonic	ACAP2	3	195047613	195066046	1	0	2	0	0	0	18433	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr5:54567914-54577343	exonic	DHX29	5	54567914	54577343	1	0	2	0	0	0	9429	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr6:144832079-144844324	exonic	UTRN	6	144832079	144844324	1	0	2	0	0	0	12245	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr7:91980263-91991587	exonic	ANKIB1	7	91980263	91991587	1	0	2	0	0	0	11324	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr8:72181974-72246409	exonic	EYA1	8	72181974	72246409	1	0	2	0	0	0	64435	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr9:20715320-20770237	exonic	FOCAD	9	20715320	20770237	1	0	2	0	0	0	54917	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chrX:19560042-19564168	exonic	SH3KBP1	X	19560042	19564168	1	0	2	0	0	0	4126	0.523524994	2.572268273	3.839567222	0.669937033	0.502897931	0.998252924
chr1:16362731-16385212	exonic	CLCNKB, FAM131C	1	16362731	16385212	0	3	0	0	0	0	22481	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:174931220-174936569	exonic	RABGAP1L	1	174931220	174936569	0	3	0	0	0	0	5349	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:21267983-21276604	exonic	EIF4G3	1	21267983	21276604	0	3	0	0	0	0	8621	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:224437913-224468887	exonic	NVL	1	224437913	224468887	0	3	0	0	0	0	30974	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:227169850-227170351	exonic	ADCK3	1	227169850	227170351	0	3	0	0	0	0	501	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:231124065-231133013	exonic	ARV1	1	231124065	231133013	0	3	0	0	0	0	8948	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:29396433-29399362	intronic	EPB41	1	29396433	29399362	0	3	0	0	0	0	2929	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:33280222-33280756	intronic	YARS	1	33280222	33280756	0	3	0	0	0	0	534	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:40529898-40530231	exonic	CAP1	1	40529898	40530231	0	3	0	0	0	0	333	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:44713610-44785416	exonic	ERI3	1	44713610	44785416	0	3	0	0	0	0	71806	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:48821342-48851021	exonic	SPATA6	1	48821342	48851021	0	3	0	0	0	0	29679	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:61553820-61743257	exonic	NFIA	1	61553820	61743257	0	3	0	0	0	0	189437	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr1:89478868-89520898	exonic	GBP1, GBP3	1	89478868	89520898	0	3	0	0	0	0	42030	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr10:128795011-128798571	exonic	DOCK1	10	128795011	128798571	0	3	0	0	0	0	3560	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr10:5751493-5754881	UTR5	FAM208B (NM_017782; c.-7820_-7725del1ins0)	10	5751493	5754881	0	3	0	0	0	0	3388	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr10:64954045-64960437	exonic	JMJD1C	10	64954045	64960437	0	3	0	0	0	0	6392	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:102002779-102004084	intronic	YAP1	11	102002779	102004084	0	3	0	0	0	0	1305	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:108398862-108412539	exonic	EXPH5	11	108398862	108412539	0	3	0	0	0	0	13677	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:111851461-111866870	exonic	DIXDC1	11	111851461	111866870	0	3	0	0	0	0	15409	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:12225796-12237866	exonic	MICAL2	11	12225796	12237866	0	3	0	0	0	0	12070	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:16822520-16824842	exonic	PLEKHA7	11	16822520	16824842	0	3	0	0	0	0	2322	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:18330492-18332998	exonic	HPS5	11	18330492	18332998	0	3	0	0	0	0	2506	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:22696395-22707335	exonic	GAS2	11	22696395	22707335	0	3	0	0	0	0	10940	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA

chr11:47502931-47503536	intronic	CELF1	11	47502931	47503536	0	3	0	0	0	0	605	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:85694908-85742653	exonic	PICALM	11	85694908	85742653	0	2	0	0	2	0	47745	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:9182259-9229179	exonic	DENND5A	11	9182259	9229179	0	3	0	0	0	0	46920	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr11:9430032-9438695	exonic	IPO7	11	9430032	9438695	0	3	0	0	0	0	8663	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:123041930-123047246	exonic	KNTC1	12	123041930	123047246	0	3	0	0	0	0	5316	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:124158165-124184357	exonic	TCTN2	12	124158165	124184357	0	3	0	0	0	0	26192	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:19398570-19399007	intronic	PLEKHA5	12	19398570	19399007	0	3	0	0	0	0	437	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:29496249-29498375	splicing	ERGIC2	12	29496249	29498375	0	3	0	0	0	0	2126	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:3907825-3973123	exonic	PARP11	12	3907825	3973123	0	3	0	0	0	0	65298	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:56998000-56999111	exonic	BAZ2A	12	56998000	56999111	0	3	0	0	0	0	1111	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:6839568-6840310	exonic	COPS7A	12	6839568	6840310	0	3	0	0	0	0	742	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr12:9736702-9760398	exonic	KLRB1	12	9736702	9760398	0	3	0	0	0	0	23696	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr13:25051839-25077915	exonic	PARP4	13	25051839	25077915	0	3	0	0	0	0	26076	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr13:47266670-47275342	exonic	LRCH1	13	47266670	47275342	0	3	0	0	0	0	8672	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:101426419-101427631	intergenic	<small>SNORD114-6(dist=2840), SNORD114-7(dist=1780)</small>	14	101426419	101427631	0	3	0	0	0	0	1212	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:104053611-104056766	exonic	APOPT1	14	104053611	104056766	0	3	0	0	0	0	3155	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:104135847-104143860	exonic	KLC1	14	104135847	104143860	0	3	0	0	0	0	8013	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:107083640-107095433	ncRNA_exonic	MIR7641-2	14	107083640	107095433	0	3	0	0	0	0	11793	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:24687339-24687637	exonic	NEDD8, NEDD8-MDP1	14	24687339	24687637	0	3	0	0	0	0	298	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:31590589-31592143	exonic	HECTD1	14	31590589	31592143	0	3	0	0	0	0	1554	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:32559707-32615546	exonic	ARHGAP5	14	32559707	32615546	0	3	0	0	0	0	55839	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:58878624-58890813	exonic	TIMM9	14	58878624	58890813	0	3	0	0	0	0	12189	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:60574304-60600766	exonic	PCNXL4	14	60574304	60600766	0	3	0	0	0	0	26462	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:71880665-71948928	intergenic	<small>SNORD56B(dist=15541), LOC145474(dist=5650)</small>	14	71880665	71948928	0	3	0	0	0	0	68263	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:75506613-75509180	exonic	MLH3	14	75506613	75509180	0	3	0	0	0	0	2567	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:80944597-80997230	exonic	CEP128	14	80944597	80997230	0	3	0	0	0	0	52633	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr15:51204274-51233972	exonic	AP4E1	15	51204274	51233972	0	3	0	0	0	0	29698	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr15:56958592-56971019	exonic	ZNF280D	15	56958592	56971019	0	3	0	0	0	0	12427	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr15:62299506-62312737	exonic	VPS13C	15	62299506	62312737	0	3	0	0	0	0	13231	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr15:71761716-71762097	intronic	THSD4	15	71761716	71762097	0	3	0	0	0	0	381	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr15:83819966-83826793	exonic	HDGFRP3	15	83819966	83826793	0	3	0	0	0	0	6827	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr15:85607600-85610435	exonic	PDE8A	15	85607600	85610435	0	3	0	0	0	0	2835	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:11868091-11873219	exonic	ZC3H7A	16	11868091	11873219	0	3	0	0	0	0	5128	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:21122946-21133445	exonic	DNAH3	16	21122946	21133445	0	3	0	0	0	0	10499	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:21327228-21328447	ncRNA_exonic	CRYM-AS1	16	21327228	21328447	0	3	0	0	0	0	1219	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA

chr16:21350242-21363459	ncRNA_exonic	SNX29P1	16	21350242	21363459	0	3	0	0	0	0	13217	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:23113640-23131567	exonic	USP31	16	23113640	23131567	0	3	0	0	0	0	17927	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:30521681-30525167	exonic	ITGAL	16	30521681	30525167	0	3	0	0	0	0	3486	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:56435644-56448256	exonic	AMFR	16	56435644	56448256	0	3	0	0	0	0	12612	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr16:78282541-78282854	intronic	WFOX	16	78282541	78282854	0	3	0	0	0	0	313	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:15611469-15620627	exonic	ZNF286A	17	15611469	15620627	0	3	0	0	0	0	9158	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:16046919-16056709	exonic	NCOR1	17	16046919	16056709	0	3	0	0	0	0	9790	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:35619769-35644548	exonic	ACACA	17	35619769	35644548	0	3	0	0	0	0	24779	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:35797838-35800763	exonic	TADA2A	17	35797838	35800763	0	3	0	0	0	0	2925	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:43545574-43553092	exonic	PLEKHM1	17	43545574	43553092	0	3	0	0	0	0	7518	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:49079075-49084687	exonic	SPAG9	17	49079075	49084687	0	3	0	0	0	0	5612	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr17:62228200-62238293	exonic	TEX2	17	62228200	62238293	0	3	0	0	0	0	10093	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr18:21776088-21819346	exonic	OSBPL1A	18	21776088	21819346	0	3	0	0	0	0	43258	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr18:2739477-2740819	exonic	SMCHD1	18	2739477	2740819	0	3	0	0	0	0	1342	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr18:29218606-29246335	exonic	B4GALT6	18	29218606	29246335	0	3	0	0	0	0	27729	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr18:8718422-8733201	exonic	MTCL1	18	8718422	8733201	0	3	0	0	0	0	14779	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr19:1254477-1254878	exonic	MIDN	19	1254477	1254878	0	3	0	0	0	0	401	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr19:44564902-44653050	exonic	ZNF223, ZNF224, ZNF225, ZNF234, ZNF284	19	44564902	44653050	0	3	0	0	0	0	88148	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr19:58498349-58498742	intronic	ZNF606	19	58498349	58498742	0	3	0	0	0	0	393	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:114674460-114688973	exonic	ACTR3	2	114674460	114688973	0	3	0	0	0	0	14513	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:135705663-135706685	intronic	CCNT2	2	135705663	135706685	0	3	0	0	0	0	1022	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:159389692-159459616	exonic	PKP4	2	159389692	159459616	0	3	0	0	0	0	69924	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:168861166-168861625	intronic	STK39	2	168861166	168861625	0	3	0	0	0	0	459	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:191792031-191819544	exonic	GLS	2	191792031	191819544	0	3	0	0	0	0	27513	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:202208892-202216174	exonic	ALS2CR12	2	202208892	202216174	0	3	0	0	0	0	7282	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:38566325-38566914	intronic	ATL2	2	38566325	38566914	0	3	0	0	0	0	589	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:38944300-38945436	intronic	GALM	2	38944300	38945436	0	3	0	0	0	0	1136	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:54122143-54128696	exonic	PSME4	2	54122143	54128696	0	3	0	0	0	0	6553	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:55470551-55476670	exonic	MTIF2	2	55470551	55476670	0	3	0	0	0	0	6119	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:61552509-61577828	exonic	USP34	2	61552509	61577828	0	3	0	0	0	0	25319	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:85545030-85546410	UTR3	-----	2	85545030	85546410	0	3	0	0	0	0	1380	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:9083316-9114564	exonic	MBOAT2	2	9083316	9114564	0	3	0	0	0	0	31248	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr2:96499673-96500875	intergenic	LINC00342 (dist=6944), ANKRD36C (dist=14421)	2	96499673	96500875	0	3	0	0	0	0	1202	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr20:13539655-13581264	exonic	TASP1	20	13539655	13581264	0	3	0	0	0	0	41609	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr20:16336974-16362392	exonic	KIF16B	20	16336974	16362392	0	3	0	0	0	0	25418	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA

chr20:40141484-40179999	exonic	CHD6	20	40141484	40179999	0	3	0	0	0	0	38515	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr21:16338524-16415895	exonic	NRIP1	21	16338524	16415895	0	3	0	0	0	0	77371	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr21:47768925-47787054	exonic	PCNT	21	47768925	47787054	0	3	0	0	0	0	18129	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr22:45574119-45576201	exonic	NUP50	22	45574119	45576201	0	3	0	0	0	0	2082	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:119155840-119156601	splicing	TMEM39A	3	119155840	119156601	0	3	0	0	0	0	761	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:142383043-142396955	exonic	PLS1	3	142383043	142396955	0	3	0	0	0	0	13912	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:170077486-170099129	exonic	SKIL	3	170077486	170099129	0	4	0	0	0	0	21643	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:47912302-47919013	exonic	MAP4	3	47912302	47919013	0	3	0	0	0	0	6711	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:48572944-48577204	exonic	PFKFB4	3	48572944	48577204	0	3	0	0	0	0	4260	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:53262071-53269190	exonic	TKT	3	53262071	53269190	0	3	0	0	0	0	7119	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:67797195-67818857	ncRNA_exonic	SUCLG2-AS1	3	67797195	67818857	0	3	0	0	0	0	21662	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:69047161-69054385	exonic	EOGT	3	69047161	69054385	0	3	0	0	0	0	7224	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr3:81691931-81754764	exonic	GBE1	3	81691931	81754764	0	3	0	0	0	0	62833	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:102014932-102030235	exonic	PPP3CA	4	102014932	102030235	0	3	0	0	0	0	15303	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:148729217-148744108	exonic	ARHGAP10	4	148729217	148744108	0	3	0	0	0	0	14891	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:153189481-153218976	intergenic	<small>LOC10096286 (dist=163613), FBXW7 (dist=23424)</small>	4	153189481	153218976	0	3	0	0	0	0	29495	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:159772472-159791621	exonic	FNIP2	4	159772472	159791621	0	3	0	0	0	0	19149	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:16760781-16816050	exonic	LDB2	4	16760781	16816050	0	3	0	0	0	0	55269	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:20703349-20729020	exonic	PACRGL	4	20703349	20729020	0	3	0	0	0	0	25671	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:39839475-39843676	exonic	PDS5A	4	39839475	39843676	0	3	0	0	0	0	4201	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:83978078-83984399	exonic	COPS4	4	83978078	83984399	0	3	0	0	0	0	6321	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:87614739-87638270	exonic	PTPN13	4	87614739	87638270	0	3	0	0	0	0	23531	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr4:87622393-87622954	exonic	PTPN13	4	87622393	87622954	0	3	0	0	0	0	561	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr5:153674375-153709298	exonic	GALNT10	5	153674375	153709298	0	3	0	0	0	0	34923	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr5:37165640-37167315	exonic	C5orf42	5	37165640	37167315	0	3	0	0	0	0	1675	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr5:65486984-65498858	intergenic	<small>SREK1 (dist=7540), LOC101928769 (dist=304515)</small>	5	65486984	65498858	0	3	0	0	0	0	11874	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr5:68715197-68720463	exonic	MARVELD2	5	68715197	68720463	0	3	0	0	0	0	5266	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:109796601-109798133	exonic	ZBTB24	6	109796601	109798133	0	3	0	0	0	0	1532	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:112469358-112486478	exonic	LAMA4	6	112469358	112486478	0	3	0	0	0	0	17120	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:119134265-119177708	exonic	MCM9	6	119134265	119177708	0	3	0	0	0	0	43443	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:128409446-128410216	intronic	PTPRK	6	128409446	128410216	0	3	0	0	0	0	770	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:132181526-132198301	exonic	ENPP1	6	132181526	132198301	0	3	0	0	0	0	16775	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:144803103-144805673	exonic	UTRN	6	144803103	144805673	0	3	0	0	0	0	2570	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:151857452-151859436	exonic	CCDC170	6	151857452	151859436	0	3	0	0	0	0	1984	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:157150360-157222659	exonic	ARID1B	6	157150360	157222659	0	3	0	0	0	0	72299	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA

chr6:32029934-32035761	exonic	TNXB	6	32029934	32035761	0	3	0	0	0	0	5827	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:51892626-51893149	exonic	PKHD1	6	51892626	51893149	0	3	0	0	0	0	523	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:76357447-76369123	exonic	SENP6	6	76357447	76369123	0	3	0	0	0	0	11676	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:76534687-76535096	intronic	MYO6	6	76534687	76535096	0	3	0	0	0	0	409	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr6:86252899-86277295	exonic	SNX14	6	86252899	86277295	0	3	0	0	0	0	24396	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:148543562-148547617	exonic	EZH2	7	148543562	148547617	0	3	0	0	0	0	4055	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:155499554-155500074	exonic	RBM33	7	155499554	155500074	0	3	0	0	0	0	520	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:157013382-157049738	exonic	UBE3C	7	157013382	157049738	0	3	0	0	0	0	36356	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:23292925-23309794	exonic	GPNMB	7	23292925	23309794	0	3	0	0	0	0	16869	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:23499373-23505747	intronic	IGF2BP3	7	23499373	23505747	0	3	0	0	0	0	6374	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:28851121-28854779	intronic	CREB5	7	28851121	28854779	0	3	0	0	0	0	3658	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:33677372-33682530	intergenic	<small>BBS9 (dist=31692), BMPER (dist=261993)</small>	7	33677372	33682530	0	3	0	0	0	0	5158	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:39726229-39736458	exonic	RALA	7	39726229	39736458	0	3	0	0	0	0	10229	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:43957676-43958110	intronic	URGCP	7	43957676	43958110	0	3	0	0	0	0	434	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:50793710-50823753	exonic	GRB10	7	50793710	50823753	0	3	0	0	0	0	30043	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:6505701-6509385	exonic	KDELR2	7	6505701	6509385	0	3	0	0	0	0	3684	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:65592690-65610487	exonic	CRCP	7	65592690	65610487	0	3	0	0	0	0	17797	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:6774935-6777567	ncRNA_exonic	PMS2CL	7	6774935	6777567	0	3	0	0	0	0	2632	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:716865-751164	exonic	PRKAR1B	7	716865	751164	0	3	0	0	0	0	34299	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:76978667-77035422	exonic	GSAP	7	76978667	77035422	0	3	0	0	0	0	56755	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr7:91924202-92000921	exonic	ANKIB1	7	91924202	92000921	0	3	0	0	0	0	76719	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr8:103863857-103867392	intronic	AZIN1	8	103863857	103867392	0	3	0	0	0	0	3535	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr8:130859049-130883742	exonic	FAM49B	8	130859049	130883742	0	3	0	0	0	0	24693	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr8:141407718-141415797	exonic	TRAPPC9	8	141407718	141415797	0	3	0	0	0	0	8079	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr8:56659838-56660836	intronic	TMEM68	8	56659838	56660836	0	3	0	0	0	0	998	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr8:56695307-56702858	exonic	TGS1	8	56695307	56702858	0	3	0	0	0	0	7551	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr9:67930386-67938658	exonic	ANKRD20A1, ANKRD20A3	9	67930386	67938658	0	3	0	0	0	0	8272	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr9:79115832-79131692	exonic	GCNT1	9	79115832	79131692	0	3	0	0	0	0	15860	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr9:90219869-90221143	exonic	DAPK1	9	90219869	90221143	0	3	0	0	0	0	1274	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr9:98660130-98718295	exonic	ERCC6L2	9	98660130	98718295	0	3	0	0	0	0	58165	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chrX:114357089-114364762	exonic	LRCH2	X	114357089	114364762	0	3	0	0	0	0	7673	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chrX:123156380-123164975	exonic	STAG2	X	123156380	123164975	0	3	0	0	0	0	8595	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chrX:128630851-128631821	spllicing	SMARCA1	X	128630851	128631821	0	3	0	0	0	0	970	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chrX:131373648-131417060	ncRNA_exonic	RAP2C-AS1	X	131373648	131417060	0	3	0	0	0	0	43412	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chrX:73494176-73501683	ncRNA_exonic	FTX	X	73494176	73501683	0	3	0	0	0	0	7507	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA

chrX:80013621-80019914	intronic	BRWD3	X	80013621	80019914	0	3	0	0	0	0	6293	0.522827397	2.575533045	3.990987446	0.645337296	NA	NA
chr14:60749401-60758172	exonic	PPM1A		14	60749401	60758172	2	0	4	0	1	8771	1.168077409	2.58216918	2.670783252	0.966820942	0.333633553	0.998252924
chr14:106208678-106236323	intergenic	ELK2AP (dist=69534), MIR4507 (dist=87970)		14	106208678	106236323	0	0	20	6	0	27645	4.583248821	2.582941515	3.810251635	0.677892633	NA	NA
chr1:151214598-151215043	exonic	PIP5K1A		1	151214598	151215043	4	0	0	0	0	445	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr1:243809194-244006584	exonic	AKT3		1	243809194	244006584	4	0	0	0	0	197390	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr10:101714970-101716962	exonic	DNMBP		10	101714970	101716962	4	0	0	0	0	1992	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr10:103783233-103793096	exonic	C10orf76		10	103783233	103793096	4	0	0	0	0	9863	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr10:70136609-70161494	exonic	RUFY2		10	70136609	70161494	4	0	0	0	0	24885	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr10:99327670-99327898	exonic	UBTD1		10	99327670	99327898	4	0	0	0	0	228	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr11:3723692-3727857	exonic	NUP98		11	3723692	3727857	4	0	0	0	0	4165	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr11:6945729-7013224	exonic	ZNF215		11	6945729	7013224	4	0	0	0	0	67495	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr11:77396149-77404656	exonic	RSF1		11	77396149	77404656	8	2	4	28	19	8507	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr12:1107490-1137738	exonic	ERC1		12	1107490	1137738	4	0	0	0	0	30248	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr12:9243797-9316855	exonic	A2M, PZP		12	9243797	9316855	4	0	0	0	0	73058	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr12:97886239-97987832	ncRNA_exonic	MIR135A2, RMST		12	97886239	97987832	4	0	0	0	0	101593	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr14:100877988-100878425	intronic	WDR25		14	100877988	100878425	4	0	0	0	0	437	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr15:42613982-42622870	exonic	GANC		15	42613982	42622870	4	0	0	0	0	8888	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr15:72168131-72197347	exonic	MYO9A		15	72168131	72197347	4	0	0	0	0	29216	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr15:90982563-90983847	exonic	IQGAP1		15	90982563	90983847	4	0	0	0	0	1284	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr15:91454780-91455250	exonic	MAN2A2		15	91454780	91455250	4	0	0	0	0	470	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr16:47505875-47508730	intronic	PHKB		16	47505875	47508730	4	0	0	0	0	2855	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr16:68155889-68217269	exonic	NFATC3		16	68155889	68217269	2	0	0	2	0	61380	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr17:30500850-30521126	exonic	RHOT1		17	30500850	30521126	4	0	0	0	0	20276	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr17:65906992-65920705	exonic	BPTF		17	65906992	65920705	3	0	0	0	0	13713	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr18:12366963-12371690	exonic	AFG3L2		18	12366963	12371690	4	0	0	0	0	4727	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr18:56606676-56621031	exonic	ZNF532		18	56606676	56621031	4	0	0	0	0	14355	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:16753323-16753722	intergenic	MED26 (dist=14308), SMIM7 (dist=3237)		19	16753323	16753722	4	0	0	0	0	399	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:20235815-20237682	intergenic	ZNF90 (dist=3838), ZNF486 (dist=40341)		19	20235815	20237682	4	0	0	0	0	1867	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:24014399-24015746	intergenic	RPSAP58 (dist=3480), ZNF726 (dist=81938)		19	24014399	24015746	4	0	0	0	0	1347	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:3647407-3648622	splicing	PIP5K1C		19	3647407	3648622	4	0	0	0	0	1215	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:3647409-3648622	splicing	PIP5K1C		19	3647409	3648622	4	0	0	0	0	1213	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:3982804-3983289	exonic	EEF2		19	3982804	3983289	4	0	0	0	0	485	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:54378082-54379039	UTR3			19	54378082	54379039	4	0	0	0	0	957	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr19:58130780-58132861	exonic	ZNF134		19	58130780	58132861	4	0	0	0	0	2081	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr2:110321942-110323436	exonic		10-Sep	2	110321942	110323436	4	0	0	0	0	1494	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA

chr2:236877106-236878331	exonic	AGAP1	2	236877106	236878331	4	0	0	0	0	0	1225	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr2:24021007-24046439	exonic	ATAD2B	2	24021007	24046439	4	0	0	0	0	0	25432	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr2:27430507-27435014	exonic	SLC5A6	2	27430507	27435014	4	0	0	0	0	0	4507	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr2:32422412-32434630	exonic	SLC30A6	2	32422412	32434630	4	0	0	0	0	0	12218	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr20:20493156-20493928	exonic	RALGAPA2	20	20493156	20493928	4	0	0	0	0	0	772	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr22:29240115-29242500	intergenic	XBP1 (dist=43555), ZNRF3 (dist=37255)	22	29240115	29242500	4	0	0	0	0	0	2385	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr3:138417748-138461623	exonic	PIK3CB	3	138417748	138461623	4	0	0	0	0	0	43875	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr3:155611306-155633981	exonic	GMPS	3	155611306	155633981	4	0	0	0	0	0	22675	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr4:125422051-125477665	ncRNA_exonic	LOC101927087	4	125422051	125477665	4	0	0	0	0	0	55614	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr4:38029408-38055959	exonic	TBC1D1	4	38029408	38055959	4	0	0	0	0	0	26551	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr5:134113264-134118755	exonic	DDX46	5	134113264	134118755	4	0	0	0	0	0	5491	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr5:52942062-52954454	exonic	NDUFS4	5	52942062	52954454	4	0	0	0	0	0	12392	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr5:74674168-74675520	exonic	COL4A3BP	5	74674168	74675520	4	0	0	0	0	0	1352	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr6:117638305-117650609	exonic	ROS1	6	117638305	117650609	4	0	0	0	0	0	12304	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr6:26370550-26444532	exonic	BTN2A2, BTN3A1, BTN3A2, BTN3A3	6	26370550	26444532	4	0	0	0	0	0	73982	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr7:7591789-7594820	ncRNA_exonic	LOC101927391	7	7591789	7594820	4	0	0	0	0	0	3031	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr7:891020-893255	exonic	SUN1	7	891020	893255	4	0	0	0	0	0	2235	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr8:30539590-30541604	splicing	GSR	8	30539590	30541604	4	0	0	0	0	0	2014	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr8:39079128-39114862	exonic	ADAM32	8	39079128	39114862	4	0	0	0	0	0	35734	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr8:41905896-41907225	exonic	KAT6A	8	41905896	41907225	4	0	0	0	0	0	1329	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr8:72964774-72974600	exonic	TRPA1	8	72964774	72974600	4	0	0	0	0	0	9826	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr8:82626153-82630459	exonic	ZFAND1	8	82626153	82630459	4	0	0	0	0	0	4306	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr9:86274695-86284242	exonic	UBQLN1	9	86274695	86284242	4	0	0	0	0	0	9547	0.515947771	2.590766001	3.990114053	0.649296227	NA	NA
chr1:186026365-186031732	exonic	HMCN1	1	186026365	186031732	4	3	0	0	1	0	5367	1.15980259	2.597932294	2.65177556	0.979695391	0.327236502	0.998252924
chr4:170400553-170459062	exonic	NEK1	4	170400553	170459062	4	3	0	0	1	0	58509	1.15980259	2.597932294	2.65177556	0.979695391	0.327236502	0.998252924
chr22:24709280-24765288	exonic	SPECC1L	22	24709280	24765288	0	0	0	2	1	0	56008	4.323489904	2.623532514	1.520899324	1.724987626	0.084529703	0.998252924
chr1:112237962-112246098	exonic	RAP1A	1	112237962	112246098	0	2	1	0	0	0	8136	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr1:36469941-36479649	exonic	AGO3	1	36469941	36479649	0	2	1	0	0	0	9708	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr10:70945742-70951522	exonic	SUPV3L1	10	70945742	70951522	0	2	1	0	0	0	5780	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr11:22696395-22770807	exonic	GAS2	11	22696395	22770807	0	2	1	0	0	0	74412	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr15:22840243-22842183	exonic	TUBGCP5	15	22840243	22842183	0	2	1	0	0	0	1940	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr15:51240216-51250991	exonic	AP4E1	15	51240216	51250991	0	2	1	0	0	0	10775	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr16:15758592-15761296	exonic	NDE1	16	15758592	15761296	0	2	1	0	0	0	2704	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr17:45206758-45249430	exonic	CDC27	17	45206758	45249430	0	2	1	0	0	0	42672	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr17:72469674-72470824	exonic	CD300A	17	72469674	72470824	0	2	1	0	0	0	1150	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924

chr18:20572710-20576425	exonic	RBBP8	18	20572710	20576425	0	2	1	0	0	0	3715	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr2:152271336-152273415	exonic	RIF1	2	152271336	152273415	0	2	1	0	0	0	2079	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr2:203378441-203383775	exonic	BMP2R2	2	203378441	203383775	0	2	1	0	0	0	5334	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr2:217005908-217026771	exonic	XRCC5	2	217005908	217026771	0	2	1	0	0	0	20863	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr21:34717551-34721849	exonic	IFNAR1	21	34717551	34721849	0	2	1	0	0	0	4298	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr22:40669428-40696590	exonic	TNRC6B	22	40669428	40696590	0	2	1	0	0	0	27162	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr3:38232221-38278452	exonic	OXSRI	3	38232221	38278452	0	2	1	0	0	0	46231	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr3:43640023-43647355	exonic	ANO10	3	43640023	43647355	0	2	1	0	0	0	7332	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr8:62475302-62531578	exonic	ASPH	8	62475302	62531578	0	2	1	0	0	0	56276	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr8:71587052-71595865	exonic	XKR9	8	71587052	71595865	0	2	1	0	0	0	8813	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr9:22046315-22056386	ncRNA_exonic	CDKN2B-AS1	9	22046315	22056386	0	2	1	0	0	0	10071	0.545820624	2.63040967	3.780256721	0.695828316	0.486536354	0.998252924
chr4:170398274-170459062	exonic	NEK1	4	170398274	170459062	2	2	2	1	0	2	60788	1.145086554	2.640838924	2.665181155	0.990866575	0.321750735	0.998252924
chr22:50181037-50198008	exonic	BRD1	22	50181037	50198008	3	4	0	0	1	0	16971	1.205091446	2.653615163	2.623578127	1.011448882	0.311801636	0.998252924
chr10:1118055-1142186	exonic	WDR37	10	1118055	1142186	3	4	0	0	0	1	24131	1.392282633	2.65500731	2.552410551	1.040196025	0.298248838	0.998252924
chr22:24698162-24765288	exonic	SPECC1L	22	24698162	24765288	7	12	3	1	0	2	67126	4.308773868	2.656744626	1.522322032	1.745192259	0.080951408	0.998252924
chr14:24680620-24681035	exonic	CHMP4A	14	24680620	24681035	3	1	6	2	0	0	415	1.957473551	2.662530962	2.078281825	1.281121227	0.200151089	0.998252924
chr19:14150319-14150722	exonic	IL27RA	19	14150319	14150722	0	3	3	0	1	0	403	1.235661896	2.667057241	2.621840467	1.017246196	NA	NA
chr2:9667914-9676957	exonic	ADAM17	2	9667914	9676957	4	0	3	0	1	0	9043	1.22878227	2.678429474	2.609326221	1.026483179	0.304663888	0.998252924
chr11:34111725-34113603	exonic	CAPRINI	11	34111725	34113603	4	0	3	0	0	1	1878	1.415973457	2.679384059	2.540898105	1.054502758	NA	NA
chr1:150040686-150082742	exonic	VPS45	1	150040686	150082742	0	1	2	0	0	0	42056	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr1:155330091-155365344	exonic	ASH1L	1	155330091	155365344	0	1	2	0	0	0	35253	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr1:200776503-200801973	exonic	CAMSAP2	1	200776503	200801973	0	1	2	0	0	0	25470	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr1:235600636-235605197	exonic	TBCE	1	235600636	235605197	7	1	2	0	3	0	4561	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr1:54266365-54298264	exonic	NDC1	1	54266365	54298264	0	1	2	0	0	0	31899	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr10:99915849-99969656	exonic	R3HCC1L	10	99915849	99969656	0	1	2	0	0	0	53807	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr12:27135705-27143560	exonic	TM7SF3	12	27135705	27143560	0	1	2	0	0	0	7855	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr17:45403591-45422464	exonic	EFCAB13	17	45403591	45422464	0	1	2	0	0	0	18873	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr20:33369923-33380366	exonic	NCOA6	20	33369923	33380366	0	1	2	0	0	0	10443	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr20:34430494-34459751	exonic	PHF20	20	34430494	34459751	0	1	2	0	0	0	29257	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr3:150340171-150342686	exonic	SELT	3	150340171	150342686	0	1	2	0	0	0	2515	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr3:183465459-183480067	exonic	YEATS2	3	183465459	183480067	0	1	2	0	0	0	14608	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr5:50084356-50093067	exonic	PARP8	5	50084356	50093067	0	1	2	0	0	0	8711	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr6:109962720-109993370	exonic	AK9	6	109962720	109993370	0	1	2	0	0	0	30650	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr6:146125507-146127557	exonic	FBXO30	6	146125507	146127557	0	1	2	0	0	0	2050	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr6:151766442-151766960	exonic	RMND1	6	151766442	151766960	0	1	2	0	0	0	518	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924

chr7:156516805-156549159	exonic	LMBR1	7	156516805	156549159	0	1	2	0	0	0	32354	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr8:43013717-43027529	exonic	HGSNAT	8	43013717	43027529	0	1	2	0	0	0	13812	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr9:125932180-125946577	exonic	STRBP	9	125932180	125946577	0	1	2	0	0	0	14397	0.56881385	2.68380486	3.722958972	0.720879516	0.470983647	0.998252924
chr4:114452371-114469885	exonic	CAMK2D	4	114452371	114469885	3	3	1	0	0	1	17514	1.41527586	2.684151192	2.368300716	1.133365866	NA	NA
chr7:22330793-22357656	exonic	RAPGEF5	7	22330793	22357656	3	104	5	0	15	4	26863	22.54627482	2.685560897	1.981178669	1.355536953	NA	NA
chr21:37619814-37633030	exonic	DOPEY2	21	37619814	37633030	0	2	4	0	0	1	13216	1.445846309	2.692803585	2.552116361	1.055125709	0.291367835	0.998252924
chr1:33097427-33100393	exonic	ZBTB80S	1	33097427	33100393	0	2	4	0	1	0	2966	1.258655122	2.693383309	2.616538092	1.029369042	0.303306291	0.998252924
chr21:38480691-38519903	exonic	TTC3	21	38480691	38519903	3	4	0	1	2	0	39212	1.19037541	2.696167414	2.636345958	1.022691049	0.306453945	0.998252924
chr1:58992932-59002413	exonic	OMA1	1	58992932	59002413	3	1	0	0	0	0	9481	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr14:105718843-105739231	exonic	BRF1	14	105718843	105739231	3	1	0	0	0	0	20388	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr19:11024552-11027453	exonic	CARM1	19	11024552	11027453	3	1	0	0	0	0	2901	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr2:32703702-32735061	exonic	BIRC6	2	32703702	32735061	3	1	0	0	0	0	31359	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr4:185578235-185593614	exonic	PRIMPOL	4	185578235	185593614	3	1	0	0	0	0	15379	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr6:43517225-43523701	exonic	XPO5	6	43517225	43523701	3	1	0	0	0	0	6476	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr6:6222265-6251162	exonic	F13A1	6	6222265	6251162	3	1	0	0	0	0	28897	0.561236627	2.702934345	3.722041091	0.726196804	0.467718131	0.998252924
chr11:85692171-85693046	exonic	PICALM	11	85692171	85693046	7	1	0	1	0	0	875	1.183495784	2.70639439	2.679649053	1.00998091	0.312504436	0.998252924
chr7:74603795-74604975	ncRNA_exonic	GTF2IP1, GTF2IP4	7	74603795	74604975	2	5	0	0	1	0	1180	1.250380303	2.707182137	2.609724786	1.037343919	0.299575604	0.998252924
chr1:59147456-59150923	exonic	MYSM1	1	59147456	59150923	2	5	0	0	0	1	3467	1.43757149	2.708125451	2.543781222	1.064066275	0.287054139	0.998252924
chr12:51402258-51404549	exonic	SLC11A2	12	51402258	51404549	3	2	2	0	1	0	2291	1.251077899	2.708541768	2.393485236	1.131630865	0.257789658	0.998252924
chr7:158566031-158590767	exonic	ESYT2	7	158566031	158590767	3	2	2	0	1	0	24736	1.251077899	2.708541768	2.393485236	1.131630865	0.257789658	0.998252924
chr9:88292350-88327481	exonic	AGTPBP1	9	88292350	88327481	3	0	3	1	2	3	35131	1.214066233	2.720821364	2.621786299	1.037773889	0.299375336	0.998252924
chr5:66055536-66084622	exonic	MAST4	5	66055536	66084622	0	2	4	1	0	0	29086	1.243939085	2.736107609	2.628569409	1.040911303	0.297916715	0.998252924
chr1:109714487-109716459	exonic	KIAA1324	1	109714487	109716459	0	0	3	0	0	0	1972	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:114092136-114128218	exonic	MAGI3	1	114092136	114128218	0	0	3	0	0	0	36082	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:150115109-150115509	exonic	VPS45	1	150115109	150115509	0	0	3	0	0	0	400	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:179306972-179312078	exonic	SOAT1	1	179306972	179312078	0	0	3	0	0	0	5106	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:185171785-185191168	exonic	SWT1	1	185171785	185191168	0	0	3	0	0	0	19383	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:21186877-21191755	exonic	EIF4G3	1	21186877	21191755	0	0	3	0	0	0	4878	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:31437520-31454252	exonic	PUM1	1	31437520	31454252	0	0	3	0	0	0	16732	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:35457834-35480763	exonic	ZMYM6	1	35457834	35480763	0	0	3	0	0	0	22929	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:76540569-76541057	exonic	ST6GALNAC3	1	76540569	76541057	0	0	3	0	0	0	488	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr1:9615409-9620379	intronic	SLC25A33	1	9615409	9620379	0	0	3	0	0	0	4970	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:102016018-102020076	exonic	CWF19L1	10	102016018	102020076	0	0	3	0	0	0	4058	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:12422763-12423429	intronic	CAMK1D	10	12422763	12423429	0	0	3	0	0	0	666	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:15614209-15634303	exonic	ITGA8	10	15614209	15634303	0	0	3	0	2	0	20094	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA

chr10:17195506-17216659	exonic	TRDMT1	10	17195506	17216659	0	0	3	0	0	0	21153	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:19636699-19641226	exonic	MALRD1	10	19636699	19641226	0	0	3	0	0	0	4527	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:5827814-5842668	exonic	GDI2	10	5827814	5842668	3	2	3	9	2	2	14854	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:7247776-7269899	exonic	SFMBT2	10	7247776	7269899	0	0	3	0	0	0	22123	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:75273185-75273654	intronic	USP54	10	75273185	75273654	0	0	3	0	0	0	469	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:882342-931700	exonic	LARP4B	10	882342	931700	0	0	3	0	0	0	49358	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:98994973-99019385	exonic	ARHGAP19	10	98994973	99019385	0	0	3	0	0	0	24412	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr11:34101174-34104588	exonic	CAPRIN1	11	34101174	34104588	0	0	3	0	0	0	3414	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr11:68315534-68338572	exonic	PPP6R3	11	68315534	68338572	0	0	3	0	0	0	23038	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr12:32652860-32653462	intronic	FGD4	12	32652860	32653462	0	0	3	0	0	0	602	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr12:57013052-57014453	intronic	BAZ2A	12	57013052	57014453	0	0	3	0	0	0	1401	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr12:70901675-70916410	exonic	PTPRB	12	70901675	70916410	0	0	3	0	0	0	14735	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr13:24164288-24190184	exonic	TNFRSF19	13	24164288	24190184	0	0	3	0	0	0	25896	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr13:41507606-41508164	exonic	ELF1	13	41507606	41508164	0	0	3	0	0	0	558	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr13:49742748-49765520	exonic	FNDC3A	13	49742748	49765520	0	0	3	0	0	0	22772	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr14:106667988-106791309	ncRNA_exonic	LINC00226	14	106667988	106791309	0	0	3	0	0	0	123321	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr14:50636281-50636753	intronic	SOS2	14	50636281	50636753	0	0	3	0	0	0	472	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr14:55423751-55424353	exonic	WDHD1	14	55423751	55424353	0	0	3	0	0	0	602	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr14:92597294-92604691	exonic	CPSF2	14	92597294	92604691	0	0	3	0	0	0	7397	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:38757469-38773660	exonic	FAM98B	15	38757469	38773660	0	0	3	0	0	0	16191	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:41650346-41668026	exonic	NUSAP1	15	41650346	41668026	0	0	3	0	0	0	17680	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:66021409-66025156	exonic	DENND4A	15	66021409	66025156	0	0	3	0	0	0	3747	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:78316497-78337410	exonic	TBC1D2B	15	78316497	78337410	0	0	3	0	0	0	20913	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:83826166-83826793	exonic	HDCFRP3	15	83826166	83826793	0	0	3	0	0	0	627	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:90906948-90907238	intergenic	ZNF774 (dist=2235), IQGAP1 (dist=24235)	15	90906948	90907238	0	0	3	0	0	0	290	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr15:98512352-98513973	exonic	ARRDC4	15	98512352	98513973	0	0	3	0	0	0	1621	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr16:27451843-27453068	intronic	IL21R	16	27451843	27453068	0	0	3	0	0	0	1225	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr16:58622702-58633415	exonic	CNOT1	16	58622702	58633415	0	0	3	0	0	0	10713	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr16:66759731-66763002	exonic	DYNC1LI2	16	66759731	66763002	0	0	3	0	0	0	3271	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr17:30357674-30358477	exonic	LRRC37B	17	30357674	30358477	0	0	3	0	0	0	803	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr17:46247970-46266862	exonic	SKAP1	17	46247970	46266862	0	0	3	0	0	0	18892	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr18:12337339-12363855	exonic	AFG3L2	18	12337339	12363855	0	0	3	0	0	0	26516	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr18:29450334-29451083	exonic	TRAPPC8	18	29450334	29451083	0	0	3	0	0	0	749	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr19:12058329-12087979	exonic	ZNF700, ZNF763	19	12058329	12087979	0	0	3	0	0	0	29650	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr19:53286948-53287251	intronic	ZNF600	19	53286948	53287251	0	0	3	0	0	0	303	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA

chr19:54721188-54778683	exonic	LILRA6, LILRB2, LILRB3, LILRB5	19	54721188	54778683	0	0	3	0	0	0	57495	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr19:56148833-56151038	intergenic	ZNF784 (dist=12892), ZNF580 (dist=1354)	19	56148833	56151038	0	0	3	0	0	0	2205	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:120733209-120733666	intronic	PTPN4	2	120733209	120733666	0	0	3	0	0	0	457	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:144193169-144276933	exonic	ARHGAP15	2	144193169	144276933	0	0	3	0	0	0	83764	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:145725010-145725794	ncRNA_intronic	TEX41	2	145725010	145725794	0	0	3	0	0	0	784	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:167279768-167301510	exonic	SCN7A	2	167279768	167301510	0	0	3	0	0	0	21742	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:210906411-210907856	ncRNA_intronic	LOC101928020	2	210906411	210907856	0	0	3	0	0	0	1445	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:24778884-24816590	UTR5	-----	2	24778884	24816590	0	0	3	0	0	0	37706	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:37366773-37368844	exonic	EIF2AK2	2	37366773	37368844	0	0	3	0	0	0	2071	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:44729828-44732869	intronic	CAMKMT	2	44729828	44732869	0	0	3	0	0	0	3041	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:48555699-48586286	exonic	FOXN2	2	48555699	48586286	0	0	3	0	0	0	30587	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:69642316-69650849	exonic	NFU1	2	69642316	69650849	0	0	3	0	0	0	8533	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:72958135-72960247	exonic	EXOC6B	2	72958135	72960247	0	0	3	0	0	0	2112	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:89266203-89292223	intergenic	MIR4436A (dist=154235), NONE (dist=NONE)	2	89266203	89292223	0	0	3	0	0	0	26020	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr2:9083316-9102747	exonic	MBOAT2	2	9083316	9102747	0	0	3	0	0	0	19431	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr20:45918930-45976670	exonic	ZMYND8	20	45918930	45976670	0	0	3	0	0	0	57740	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr21:34713304-34721849	exonic	IFNAR1	21	34713304	34721849	0	0	3	0	0	0	8545	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:133335657-133339191	exonic	TOPBP1	3	133335657	133339191	0	0	3	0	0	0	3534	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:149589815-149639014	exonic	RNF13	3	149589815	149639014	0	0	3	0	0	0	49199	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:158363953-158371256	exonic	GFM1	3	158363953	158371256	0	0	3	0	0	0	7303	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:167240103-167345080	exonic	WDR49	3	167240103	167345080	0	0	3	0	0	0	104977	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:197557640-197574892	exonic	LRCH3	3	197557640	197574892	0	0	3	0	0	0	17252	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:47712147-47718272	exonic	SMARCC1	3	47712147	47718272	0	0	3	0	0	0	6125	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr3:9466979-9476682	exonic	SETD5	3	9466979	9476682	0	0	3	0	0	0	9703	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr4:110580166-110585550	exonic	CCDC109B	4	110580166	110585550	0	0	3	0	0	0	5384	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr4:139981477-139994721	exonic	ELF2	4	139981477	139994721	0	0	3	0	0	0	13244	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr4:154221924-154227024	intronic	TRIM2	4	154221924	154227024	0	0	3	0	0	0	5100	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr4:169208198-169229346	exonic	DDX60	4	169208198	169229346	0	0	3	0	0	0	21148	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr4:769579-770220	intergenic	PCGF3 (dist=5152), LOC100129917 (dist=3717)	4	769579	770220	0	0	3	0	0	0	641	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr5:108203467-108233549	exonic	FER	5	108203467	108233549	0	0	3	0	0	0	30082	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr5:110679721-110730480	exonic	CAMK4	5	110679721	110730480	0	0	3	0	0	0	50759	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr5:131013395-131034695	exonic	FNIP1	5	131013395	131034695	0	0	3	0	0	0	21300	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr5:32390380-32397444	exonic	ZFR	5	32390380	32397444	0	0	3	0	0	0	7064	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr5:70840183-70845433	exonic	BDP1	5	70840183	70845433	0	0	3	0	0	0	5250	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr5:78925894-78931433	intronic	PAPD4	5	78925894	78931433	0	0	3	0	0	0	5539	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA

chr6:143141170-143158184	UTR5	HIVEP2 (NM_006734:c.-62197_-62309delins0)	6	143141170	143158184	0	0	3	0	0	0	17014	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr6:33270684-33270982	intronic	TAPBP	6	33270684	33270982	0	0	3	0	0	0	298	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:104672107-104676107	intronic	KMT2E	7	104672107	104676107	0	0	3	0	0	0	4000	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:131113791-131163436	exonic	MKLN1	7	131113791	131163436	0	0	3	0	0	0	49645	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:2405951-2411484	exonic	EIF3B	7	2405951	2411484	0	0	3	0	0	0	5533	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:41728283-41728481	downstream	INHBA (dist=120)	7	41728283	41728481	0	0	3	0	0	0	198	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:72940669-72944175	intergenic	BAZ1B (dist=4054), BCL7B (dist=6508)	7	72940669	72944175	0	0	3	0	0	0	3506	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:77394812-77407763	exonic	RSBN1L	7	77394812	77407763	0	0	3	0	0	0	12951	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:87904638-87906981	UTR3	-----	7	87904638	87906981	0	0	3	0	0	0	2343	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr7:95906508-95926263	exonic	SLC25A13	7	95906508	95926263	0	0	3	0	0	0	19755	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr8:103405787-103406398	intronic	UBR5	8	103405787	103406398	0	0	3	0	0	0	611	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr8:134495508-134509825	intronic	ST3GAL1	8	134495508	134509825	0	0	3	0	0	0	14317	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr8:163121-163710	ncRNA_exonic	RPL23AP53	8	163121	163710	0	0	3	0	0	0	589	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr8:67716609-67743546	exonic	C8orf44-SGK3, SGK3	8	67716609	67743546	0	0	3	0	0	0	26937	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr8:81942230-81982405	UTR5	PAG1 (NM_018440:c.-76791_-76943delins0)	8	81942230	81982405	0	0	3	0	0	0	40175	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr9:115986939-115988181	intronic	SLC31A1	9	115986939	115988181	0	0	3	0	0	0	1242	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr9:140468659-140472055	exonic	DPH7	9	140468659	140472055	0	0	3	0	0	0	3396	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr9:33852065-33853942	intronic	UBE2R2	9	33852065	33853942	0	0	3	0	0	0	1877	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr9:36351112-36353328	exonic	RNF38	9	36351112	36353328	0	0	3	0	0	0	2216	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr9:88257741-88261333	exonic	AGTPBP1	9	88257741	88261333	0	0	3	0	0	0	3592	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chrMT:10797-10968	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	10797	10968	0	0	3	0	0	0	171	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chrX:135095117-135098917	exonic	SLC9A6	X	135095117	135098917	0	0	3	0	0	0	3800	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chrX:41196661-41198336	exonic	DDX3X	X	41196661	41198336	0	0	3	0	0	0	1675	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chrX:70770348-70775461	exonic	OGT	X	70770348	70775461	0	0	3	0	0	0	5113	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chrX:73495316-73495836	ncRNA_intronic	FTX	X	73495316	73495836	0	0	3	0	0	0	520	0.591807077	2.739365689	3.982049838	0.687928529	NA	NA
chr10:15863654-15885271	exonic	FAM188A	10	15863654	15885271	3	0	1	0	0	0	21617	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr10:32974897-33018385	exonic	CCDC7	10	32974897	33018385	3	0	1	0	0	0	43488	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr10:50701162-50714058	exonic	ERCC6	10	50701162	50714058	3	0	1	0	0	0	12896	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr12:9241795-9244025	exonic	A2M	12	9241795	9244025	3	0	1	0	0	0	2230	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr12:95498782-95531454	exonic	FGD6	12	95498782	95531454	3	0	1	0	0	0	32672	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr15:64495280-64497148	exonic	CSNK1G1	15	64495280	64497148	3	0	1	0	0	0	1868	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr17:48814320-48824063	exonic	LUC7L3	17	48814320	48824063	3	0	1	0	0	0	9743	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr17:64683228-64685165	exonic	PRKCA	17	64683228	64685165	3	0	1	0	0	0	1937	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr22:41521867-41526007	exonic	EP300	22	41521867	41526007	3	0	1	0	0	0	4140	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr4:185582927-185593614	exonic	PRIMPOL	4	185582927	185593614	3	0	1	0	0	0	10687	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924

chr5:179135239-179137066	exonic	CANX	5	179135239	179137066	3	0	1	0	0	0	1827	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr7:92881965-92905617	exonic	VPS50	7	92881965	92905617	3	0	1	0	0	0	23652	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr8:18430037-18432795	exonic	PSD3	8	18430037	18432795	3	0	1	0	0	0	2758	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr8:38809683-38814904	exonic	PLEKHA2	8	38809683	38814904	3	0	1	0	0	0	5221	0.584229854	2.753768563	3.666991534	0.750961255	0.452675974	0.998252924
chr1:156290629-156304709	exonic	CCT3	1	156290629	156304709	2	3	2	0	1	0	14080	1.296366756	2.759428176	2.372651795	1.163014388	0.244823665	0.998252924
chr18:10855350-10857209	exonic	PIEZO2	18	10855350	10857209	3	1	3	1	0	0	1859	1.259355089	2.77182631	2.413504758	1.148465235	0.250776557	0.998252924
chr1:51032748-51061888	exonic	FAF1	1	51032748	51061888	0	9	2	1	1	0	29140	2.19035905	2.786836481	2.078919051	1.340521883	0.180075735	0.998252924
chr1:173961893-173962273	exonic	RC3H1	1	173961893	173962273	5	7	5	0	3	0	380	3.2142927	2.786855654	1.703966709	1.635510623	NA	NA
chr1:104108057-104258640	exonic	AMY1A, AMY1B, AMY1C, AMY2A, AMY2B	1	104108057	104258640	2	2	0	0	0	0	150583	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr10:103783233-103785005	exonic	C10orf76	10	103783233	103785005	2	2	0	0	0	0	1772	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr10:111667448-111674857	exonic	XPNPEP1	10	111667448	111674857	2	2	0	0	0	0	7409	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr10:112640990-112647644	exonic	PDCD4	10	112640990	112647644	2	2	0	0	0	0	6654	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr11:77404551-77413540	exonic	RSF1	11	77404551	77413540	2	2	0	0	0	0	8989	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr12:22635490-22637822	exonic	C2CD5	12	22635490	22637822	2	2	0	0	0	0	2332	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr14:55168779-55204005	exonic	SAMD4A	14	55168779	55204005	2	2	0	0	0	0	35226	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr15:43724391-43730614	exonic	TP53BP1	15	43724391	43730614	2	2	0	0	0	0	6223	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr15:60664120-60665116	intronic	ANXA2	15	60664120	60665116	2	2	0	0	0	0	996	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr15:66007815-66053776	exonic	DENND4A	15	66007815	66053776	3	2	0	0	0	0	45961	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr15:75809599-75816639	exonic	PTPN9	15	75809599	75816639	2	2	0	0	0	0	7040	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr16:69662885-69663934	intronic	NFAT5	16	69662885	69663934	2	2	0	0	0	0	1049	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr16:69687138-69693802	exonic	NFAT5	16	69687138	69693802	2	2	0	0	0	0	6664	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr17:43352758-43353238	intronic	MAP3K14	17	43352758	43353238	2	2	0	0	0	0	480	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr17:54926056-54939612	exonic	DGKE	17	54926056	54939612	2	2	0	0	0	0	13556	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr17:65850055-65850878	exonic	BPTF	17	65850055	65850878	2	2	0	0	0	0	823	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr18:46690054-46906128	exonic	DYM	18	46690054	46906128	2	2	0	0	0	0	216074	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr2:128525762-128528578	exonic	WDR33	2	128525762	128528578	2	2	0	0	0	0	2816	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr2:39559058-39564722	exonic	MAP4K3	2	39559058	39564722	2	2	0	0	0	0	5664	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr2:72945232-72968598	exonic	EXOC6B	2	72945232	72968598	2	2	0	0	0	0	23366	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr22:36156096-36157248	splicing	RBFOX2	22	36156096	36157248	2	2	0	0	0	0	1152	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr3:23942298-23942540	exonic	NKIRAS1	3	23942298	23942540	2	2	0	0	0	0	242	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr4:79747190-79800045	exonic	BMP2K	4	79747190	79800045	2	2	0	0	0	0	52855	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr4:79747190-79808438	exonic	BMP2K	4	79747190	79808438	2	2	0	0	0	0	61248	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr4:87607862-87622954	exonic	PTPN13	4	87607862	87622954	2	2	0	0	0	0	15092	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr4:891820-898567	exonic	GAK	4	891820	898567	2	2	0	0	0	0	6747	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr5:94244955-94267696	exonic	MCTP1	5	94244955	94267696	2	2	0	0	0	0	22741	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924

chr6:150004214-150016357	exonic	LATS1	6	150004214	150016357	2	2	0	0	0	0	12143	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr6:29858430-29913058	exonic	HLA-A	6	29858430	29913058	2	2	0	0	0	0	54628	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr9:112182703-112195441	exonic	PTPN3	9	112182703	112195441	2	2	0	0	0	0	12738	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr9:129796709-129831635	exonic	RALGPS1	9	129796709	129831635	2	2	0	0	0	0	34926	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr9:136025120-136027081	upstream	RALGDS (dist=513)	9	136025120	136027081	2	2	0	0	0	0	1961	0.606525484	2.805207663	3.598333638	0.779585204	0.435635068	0.998252924
chr1:36636571-36639079	exonic	MAP7D1	1	36636571	36639079	0	7	0	0	1	0	2508	1.340958015	2.808146501	2.809039622	0.999682054	NA	NA
chr17:80858526-80869665	exonic	TBCD	17	80858526	80869665	9	0	4	2	0	0	11139	2.162581357	2.847897264	2.15390029	1.322204782	0.186099969	0.998252924
chr15:51827859-51839605	exonic	DMXL2	15	51827859	51839605	2	1	1	0	0	0	11746	0.62951871	2.853260685	3.264659494	0.87398416	0.38212688	0.998252924
chr3:66455621-66467690	exonic	LRIG1	3	66455621	66467690	2	1	1	0	0	0	12069	0.62951871	2.853260685	3.264659494	0.87398416	0.38212688	0.998252924
chr9:4117767-4125941	exonic	GLIS3	9	4117767	4125941	2	1	1	0	0	0	8174	0.62951871	2.853260685	3.264659494	0.87398416	0.38212688	0.998252924
chr21:34793786-34805178	exonic	IFNGR2	21	34793786	34805178	0	5	2	0	1	0	11392	1.386944468	2.856905326	2.539411054	1.125026735	0.260577706	0.998252924
chr16:53188359-53191453	exonic	CHD9	16	53188359	53191453	4	7	2	0	2	0	3094	2.372471259	2.865599777	1.920640095	1.492002475	0.135698496	0.998252924
chr4:247349-248626	ncRNA_exonic	ZNF876P	4	247349	248626	3	8	2	0	2	0	1277	2.417760116	2.893292651	1.925919626	1.502291483	NA	NA
chr6:134301219-134305809	exonic	TBPL1	6	134301219	134305809	0	5	2	1	0	0	4590	1.372228432	2.898355183	2.550123797	1.136554698	0.255724487	0.998252924
chr1:100335955-100343384	exonic	AGL	1	100335955	100343384	2	0	2	0	0	0	7429	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr1:233334684-233353930	exonic	PCNXL2	1	233334684	233353930	2	0	2	0	0	0	19246	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr10:80878671-80921890	UTR5	ZMI21 (NM_020338:c.-82718_-82432delins0)	10	80878671	80921890	2	0	2	0	0	0	43219	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr11:120335945-120338017	exonic	ARHGEF12	11	120335945	120338017	2	0	2	0	0	0	2072	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr12:27183091-27185614	UTR3	W02178.04601:c.+497_4212delins0_W0227811:c.+521_424delins0	12	27183091	27185614	2	0	2	0	0	0	2523	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr14:53003436-53011089	exonic	TXNDC16	14	53003436	53011089	2	0	2	0	0	0	7653	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr17:17927937-17931973	exonic	ATPAF2	17	17927937	17931973	2	0	2	0	0	0	4036	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr17:7246697-7253556	exonic	ACAP1	17	7246697	7253556	2	0	2	0	0	0	6859	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr3:128514202-128526514	exonic	RAB7A	3	128514202	128526514	2	0	2	0	0	0	12312	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr4:186096939-186097205	exonic	CFAP97	4	186096939	186097205	2	0	2	0	0	0	266	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr4:53492184-53497311	exonic	USP46	4	53492184	53497311	2	0	2	0	0	0	5127	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr4:68383873-68385220	exonic	CENPC	4	68383873	68385220	2	0	2	0	0	0	1347	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr6:155118014-155118624	intronic	SCAF8	6	155118014	155118624	2	0	2	0	0	0	610	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr6:167435897-167453827	exonic	FGFR10P	6	167435897	167453827	2	0	2	0	0	0	17930	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr6:43501643-43521240	exonic	XPO5	6	43501643	43521240	0	0	2	0	0	0	19597	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr7:38050523-38053183	intergenic	EPDR1 (dist=58981), STARD3NL (dist=164625)	7	38050523	38053183	2	0	2	0	0	0	2660	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr8:72156837-72229924	exonic	EYA1	8	72156837	72229924	2	0	2	0	0	0	73087	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr8:72156837-72246409	exonic	EYA1	8	72156837	72246409	2	0	2	0	0	0	89572	0.652511937	2.898531236	3.503515502	0.827320796	0.408055259	0.998252924
chr1:151611363-151641111	exonic	SNX27	1	151611363	151641111	1	3	0	0	0	0	29748	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr1:44773981-44785416	exonic	ERI3	1	44773981	44785416	1	3	0	0	0	0	11435	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr11:46105716-46113774	exonic	PHF21A	11	46105716	46113774	1	3	0	0	0	0	8058	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924

chr11:47508301-47510576	exonic	CELF1	11	47508301	47510576	1	3	0	0	0	0	2275	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr12:124934360-124979914	exonic	NCOR2	12	124934360	124979914	1	3	0	0	0	0	45554	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr12:124950718-124979914	exonic	NCOR2	12	124950718	124979914	1	3	0	0	0	0	29196	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr12:65702308-65722383	exonic	MSRB3	12	65702308	65722383	1	3	0	0	0	0	20075	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr16:2806334-2807946	exonic	SRRM2	16	2806334	2807946	1	3	0	0	0	0	1612	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr16:70051949-70065871	ncRNA_exonic	MIR1972-1,MIR1972-2,PDXDC2P	16	70051949	70065871	1	3	0	0	0	0	13922	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr18:60206913-60237464	exonic	ZCCHC2	18	60206913	60237464	3	0	0	0	3	0	30551	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr2:24098698-24108699	exonic	ATAD2B	2	24098698	24108699	1	3	0	0	0	0	10001	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr2:61546307-61577828	exonic	USP34	2	61546307	61577828	1	3	0	0	0	0	31521	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr3:69047161-69053633	exonic	EOGT	3	69047161	69053633	1	3	0	0	0	0	6472	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr4:56336883-56376232	exonic	CLOCK	4	56336883	56376232	1	3	0	0	0	0	39349	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr5:176618884-176639196	exonic	NSD1	5	176618884	176639196	1	3	0	0	0	0	20312	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr6:168265230-168291709	exonic	MLLT4	6	168265230	168291709	1	3	0	0	0	0	26479	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr7:152007050-152027824	exonic	KMT2C	7	152007050	152027824	1	3	0	0	0	0	20774	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr7:45791127-45798773	ncRNA_exonic	SEPT7P2	7	45791127	45798773	1	3	0	0	0	0	7646	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr8:62550505-62596747	exonic	ASPH	8	62550505	62596747	1	3	0	0	0	0	46242	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr9:132686122-132691974	exonic	FNBP1	9	132686122	132691974	1	3	0	0	0	0	5852	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr9:134308003-134330553	exonic	PRRC2B	9	134308003	134330553	1	3	0	0	0	0	22550	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr9:20874679-20929595	exonic	FOCAD	9	20874679	20929595	1	3	0	0	0	0	54916	0.65181434	2.900621239	3.524495022	0.822989172	0.410514151	0.998252924
chr1:21306826-21437876	exonic	EIF4G3	1	21306826	21437876	0	3	4	0	1	0	131050	1.432930921	2.9028845	2.505864285	1.158436439	0.246685976	0.998252924
chr1:200012902-200090083	exonic	NR5A2	1	200012902	200090083	5	0	0	0	0	0	77181	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr11:118484008-118484611	exonic	PHLDB1	11	118484008	118484611	5	0	0	0	0	0	603	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr12:122701034-122702944	exonic	DIABLO	12	122701034	122702944	5	0	0	0	0	0	1910	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr12:19406873-19413955	exonic	PLEKHA5	12	19406873	19413955	5	0	0	0	0	0	7082	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr14:106994222-107122406	ncRNA_exonic	MIR7641-2	14	106994222	107122406	5	0	0	0	0	0	128184	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr16:58608512-58615419	exonic	CNOT1	16	58608512	58615419	5	0	0	0	0	0	6907	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr17:48506051-48512326	intronic	ACSF2	17	48506051	48512326	5	0	0	0	0	0	6275	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr18:72589152-72632648	exonic	ZNF407	18	72589152	72632648	5	0	0	0	0	0	43496	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr19:21245412-21301688	exonic	ZNF714	19	21245412	21301688	5	0	0	0	0	0	56276	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr19:49136701-49136912	exonic	DBP	19	49136701	49136912	5	0	0	0	0	0	211	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr19:8604616-8604944	exonic	MYO1F	19	8604616	8604944	5	0	0	0	0	0	328	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr2:234296903-234307095	exonic	DGKD	2	234296903	234307095	5	0	0	0	0	0	10192	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr2:43926785-43980899	exonic	PLEKHH2	2	43926785	43980899	5	0	0	0	0	0	54114	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr2:44152205-44202356	exonic	LRPPRC	2	44152205	44202356	5	0	0	0	0	0	50151	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr3:23996027-24009514	exonic	NR1D2	3	23996027	24009514	5	0	0	0	0	0	13487	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA

chr4:165998184-165998703	UTR3	TMEM192(NM_001100389;c.*2626_*2107de1ins0)	4	165998184	165998703	5	0	0	0	0	0	519	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr5:53839009-53843428	exonic	SNX18	5	53839009	53843428	5	0	0	0	0	0	4419	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chrMT:10878-11044	intergenic	NONE(dist=NONE),NONE(dist=NONE)	MT	10878	11044	5	0	0	0	0	0	166	0.644934714	2.908663033	3.881663671	0.74933412	NA	NA
chr1:28116072-28120143	exonic	STX12	1	28116072	28120143	5	3	5	1	1	0	4071	2.381446046	2.918016542	1.813801702	1.608784764	0.107663414	0.998252924
chr15:25638893-25657118	exonic	UBE3A	15	25638893	25657118	3	6	4	0	2	0	18225	2.463746569	2.918831538	1.888571125	1.545523755	0.122219627	0.998252924
chr12:112370389-112381173	exonic	TMEM116	12	112370389	112381173	0	2	5	0	1	0	10784	1.455924148	2.925495297	2.508278669	1.166335836	0.24347869	0.998252924
chr1:201821231-201826322	exonic	IPO9	1	201821231	201826322	1	2	1	0	0	0	5091	0.674807566	2.944198281	3.18909845	0.923207084	0.355899298	0.998252924
chr1:231079551-231097049	exonic	TTC13	1	231079551	231097049	1	2	1	0	0	0	17498	0.674807566	2.944198281	3.18909845	0.923207084	0.355899298	0.998252924
chr1:26774049-26786635	exonic	DHDDS	1	26774049	26786635	1	2	1	0	0	0	12586	0.674807566	2.944198281	3.18909845	0.923207084	0.355899298	0.998252924
chr12:110463546-110467440	exonic	ANKRD13A	12	110463546	110467440	1	2	1	0	0	0	3894	0.674807566	2.944198281	3.18909845	0.923207084	0.355899298	0.998252924
chr6:151151717-151153341	exonic	PLEKHG1	6	151151717	151153341	1	2	1	0	0	0	1624	0.674807566	2.944198281	3.18909845	0.923207084	0.355899298	0.998252924
chr8:22355513-22370945	exonic	PPP3CC	8	22355513	22370945	1	2	1	0	0	0	15432	0.674807566	2.944198281	3.18909845	0.923207084	0.355899298	0.998252924
chr17:27975161-27977818	exonic	SSH2	17	27975161	27977818	3	2	8	0	2	0	2657	2.555719474	2.970895244	1.907187769	1.557736103	NA	NA
chr1:172525008-172539870	exonic	SUCO	1	172525008	172539870	1	1	2	0	0	0	14862	0.697800793	2.986378651	3.15351431	0.94700019	0.343638682	0.998252924
chr1:237013643-237016388	exonic	MTR	1	237013643	237016388	1	1	2	0	0	0	2745	0.697800793	2.986378651	3.15351431	0.94700019	0.343638682	0.998252924
chr10:88227035-88233730	exonic	WAPL	10	88227035	88233730	1	1	2	0	0	0	6695	0.697800793	2.986378651	3.15351431	0.94700019	0.343638682	0.998252924
chr13:20567202-20580726	exonic	ZMYM2	13	20567202	20580726	1	1	2	0	0	0	13524	0.697800793	2.986378651	3.15351431	0.94700019	0.343638682	0.998252924
chr3:38103659-38104292	exonic	DLEC1	3	38103659	38104292	1	1	2	0	0	0	633	0.697800793	2.986378651	3.15351431	0.94700019	0.343638682	0.998252924
chr1:155408117-155491409	exonic	ASH1L	1	155408117	155491409	0	4	0	0	0	0	83292	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:23735156-23745632	exonic	TCEA3	1	23735156	23745632	0	4	0	0	0	0	10476	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:28116072-28138779	exonic	STX12	1	28116072	28138779	0	4	0	0	0	0	22707	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:35801462-35802082	intronic	ZMYM4	1	35801462	35802082	0	4	0	0	0	0	620	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:46775568-46775988	exonic	UQCRH	1	46775568	46775988	0	4	0	0	0	0	420	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:8555122-8601377	exonic	RERE	1	8555122	8601377	0	4	0	0	0	0	46255	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:93142714-93169176	exonic	EVI5	1	93142714	93169176	0	4	0	0	0	0	26462	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr10:124339093-124345899	exonic	DMBT1	10	124339093	124345899	0	4	0	0	0	0	6806	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr12:112188173-112189281	intronic	ACAD10	12	112188173	112189281	0	4	0	0	0	0	1108	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr12:46292605-46293938	intronic	ARID2	12	46292605	46293938	0	4	0	0	0	0	1333	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr13:20216254-20224400	exonic	MPHOSPH8	13	20216254	20224400	0	4	0	0	0	0	8146	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr14:37028378-37041450	intergenic	NKX2-1-AS1(dist=36157),NKX2-8(dist=7766)	14	37028378	37041450	0	4	0	0	0	0	13072	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr14:64065474-64066691	exonic	WDR89	14	64065474	64066691	0	4	0	0	0	0	1217	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr14:65922338-66096324	exonic	FUT8	14	65922338	66096324	0	4	0	0	0	0	173986	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr15:64409536-64409913	intronic	SNX1	15	64409536	64409913	0	4	0	0	0	0	377	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr15:67923226-67956983	exonic	MAP2K5	15	67923226	67956983	0	4	0	0	0	0	33757	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr16:27628163-27629269	intronic	KIAA0556	16	27628163	27629269	0	4	0	0	0	0	1106	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA

chr16:48607466-48618924	ncRNA_exonic	MIR5095	16	48607466	48618924	0	4	0	0	0	0	11458	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr17:27834913-27838010	exonic	TAOK1	17	27834913	27838010	0	4	0	0	0	0	3097	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr17:40476728-40477079	exonic	STAT3	17	40476728	40477079	0	4	0	0	0	0	351	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr19:11941432-12087979	exonic	ZNF439, ZNF440, ZNF69, ZNF700, ZNF763	19	11941432	12087979	0	4	0	0	0	0	146547	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr19:23969576-24081285	ncRNA_exonic	RPSAP58	19	23969576	24081285	0	4	0	0	0	0	111709	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr19:47421745-47440665	exonic	ARHGAP35	19	47421745	47440665	0	4	0	0	0	0	18920	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr19:8486672-8491688	exonic	2-Mar	19	8486672	8491688	0	4	0	0	0	0	5016	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr2:33525517-33526711	exonic	LTBP1	2	33525517	33526711	0	4	0	0	0	0	1194	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr2:53977919-53992722	exonic	ASB3, GPR75-ASB3	2	53977919	53992722	0	4	0	0	0	0	14803	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr20:60859680-60861251	intronic	OSBPL2	20	60859680	60861251	0	4	0	0	0	0	1571	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr21:18619180-18632376	intergenic	WIR99AB(d1st=637080), LINC01549(d1st=178832)	21	18619180	18632376	0	4	0	0	0	0	13196	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr21:18619180-18642678	intergenic	WIR99AB(d1st=637080), LINC01549(d1st=168530)	21	18619180	18642678	0	4	0	0	0	0	23498	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr22:20800729-20825802	exonic	KLHL22	22	20800729	20825802	0	4	0	0	0	0	25073	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr22:43402744-43403331	intronic	PACSN2	22	43402744	43403331	0	4	0	0	0	0	587	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr4:87587778-87666281	exonic	PTPN13	4	87587778	87666281	0	4	0	0	0	0	78503	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr4:87679412-87689129	exonic	PTPN13	4	87679412	87689129	0	4	0	0	0	0	9717	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr5:43070047-43070493	ncRNA_intronic	LOC100506639	5	43070047	43070493	0	4	0	0	0	0	446	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr6:106623344-106623757	intergenic	PRDM1(dist=65530), ATG5(dist=8595)	6	106623344	106623757	0	4	0	0	0	0	413	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr6:38545375-38565897	exonic	BTBD9	6	38545375	38565897	0	4	0	0	0	0	20522	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr6:51875106-51900519	exonic	PKHD1	6	51875106	51900519	0	4	0	0	0	0	25413	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr7:13971126-13978871	exonic	ETV1	7	13971126	13978871	0	4	0	0	0	0	7745	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr7:140034434-140037149	exonic	SLC37A3	7	140034434	140037149	0	4	0	0	0	0	2715	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr7:155457868-155499762	exonic	RBM33	7	155457868	155499762	0	4	0	0	0	0	41894	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr7:2252846-2262389	exonic	MAD1L1	7	2252846	2262389	0	4	0	0	0	0	9543	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr7:5410005-5410995	exonic	TNRC18	7	5410005	5410995	0	4	0	0	0	0	990	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr7:56049902-56051561	exonic	GBAS	7	56049902	56051561	0	4	0	0	0	0	1659	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr8:103846416-103855975	exonic	AZIN1	8	103846416	103855975	0	4	0	0	0	0	9559	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr9:33143066-33144342	intronic	B4GALT1	9	33143066	33144342	0	4	0	0	0	0	1276	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr9:3320475-3321012	intronic	RFX3	9	3320475	3321012	0	4	0	0	0	0	537	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr9:90345923-90461638	exonic	CTSL	9	90345923	90461638	0	4	0	0	0	0	115715	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chrMT:8468-8624	intergenic	NONE(dist=NONE), NONE(dist=NONE)	MT	8468	8624	0	4	0	0	0	0	156	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chrX:74961533-74965904	ncRNA_exonic	TTC3P1	X	74961533	74965904	0	4	0	0	0	0	4371	0.697103196	2.991496271	3.779973514	0.791406675	NA	NA
chr1:48917223-48918803	exonic	SPATA6	1	48917223	48918803	4	1	0	0	0	0	1580	0.69022357	3.002907297	3.438832501	0.873234534	0.382535255	0.998252924
chr2:200173482-200298237	exonic	SATB2	2	200173482	200298237	4	1	0	0	0	0	124755	0.69022357	3.002907297	3.438832501	0.873234534	0.382535255	0.998252924
chr21:33825619-33840156	exonic	EVA1C	21	33825619	33840156	4	1	0	0	0	0	14537	0.69022357	3.002907297	3.438832501	0.873234534	0.382535255	0.998252924

chr3:155615715-155633981	exonic	GMPS	3	155615715	155633981	4	1	0	0	0	0	18266	0.69022357	3.002907297	3.438832501	0.873234534	0.382535255	0.998252924
chr6:101296023-101315914	exonic	ASCC3	6	101296023	101315914	4	1	0	0	0	0	19891	0.69022357	3.002907297	3.438832501	0.873234534	0.382535255	0.998252924
chr12:5908672-6031970	exonic	ANO2	12	5908672	6031970	5	4	0	1	0	0	123298	1.448349295	3.008053165	2.472912575	1.216400934	0.223832228	0.998252924
chr19:10274001-10288043	exonic	DNMT1	19	10274001	10288043	5	4	0	1	0	0	14042	1.448349295	3.008053165	2.472912575	1.216400934	0.223832228	0.998252924
chr2:197943426-197954756	exonic	ANKRD44	2	197943426	197954756	2	1	5	0	1	0	11330	1.539622234	3.022172584	2.294315788	1.317243511	0.187757013	0.998252924
chr8:52744003-52773806	exonic	PCMTD1	8	52744003	52773806	0	7	1	0	1	0	29803	1.538227041	3.024375419	2.500546438	1.209485804	NA	NA
chr1:212515529-212519275	exonic	PPP2R5A	1	212515529	212519275	1	0	3	0	0	0	3746	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr1:229586271-229601266	exonic	NUP133	1	229586271	229601266	1	0	3	0	0	0	14995	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr1:32495898-32504220	exonic	KHDRBS1	1	32495898	32504220	1	0	3	0	0	0	8322	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr15:38591573-38632096	exonic	SPRED1	15	38591573	38632096	1	0	3	0	0	0	40523	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr2:99279508-99294934	exonic	MGAT4A	2	99279508	99294934	1	0	3	0	0	0	15426	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr20:34302106-34320057	exonic	RBM39	20	34302106	34320057	1	0	3	0	0	0	17951	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr3:122842912-122849463	exonic	PDIA5	3	122842912	122849463	1	0	3	0	0	0	6551	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr3:12976947-12983365	exonic	IQSEC1	3	12976947	12983365	1	0	3	0	0	0	6418	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr3:156411808-156413814	exonic	TIPARP	3	156411808	156413814	1	0	3	0	0	0	2006	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr8:37971709-37974243	exonic	ASH2L	8	37971709	37974243	1	0	3	0	0	0	2534	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr9:107571746-107575003	exonic	ABCA1	9	107571746	107575003	1	0	3	0	0	0	3257	0.720794019	3.030393937	3.400607567	0.891133092	0.372857773	0.998252924
chr17:43552465-43555513	exonic	PLEKHM1	17	43552465	43555513	0	3	1	0	0	0	3048	0.720096423	3.03226895	3.401985867	0.891323206	0.372755803	0.998252924
chr17:505034-534868	exonic	VPS53	17	505034	534868	0	3	1	0	0	0	29834	0.720096423	3.03226895	3.401985867	0.891323206	0.372755803	0.998252924
chr17:62587201-62602758	exonic	SMURF2	17	62587201	62602758	0	3	1	0	0	0	15557	0.720096423	3.03226895	3.401985867	0.891323206	0.372755803	0.998252924
chr6:86256829-86282092	exonic	SNX14	6	86256829	86282092	0	3	1	0	0	0	25263	0.720096423	3.03226895	3.401985867	0.891323206	0.372755803	0.998252924
chrX:117538300-117544922	exonic	WDR44	X	117538300	117544922	0	3	1	0	0	0	6622	0.720096423	3.03226895	3.401985867	0.891323206	0.372755803	0.998252924
chrX:62885765-62898452	exonic	ARHGFE9	X	62885765	62898452	0	3	1	0	0	0	12687	0.720096423	3.03226895	3.401985867	0.891323206	0.372755803	0.998252924
chr2:24493539-24498718	exonic	ITSN2	2	24493539	24498718	5	1	3	0	1	0	5179	1.532045011	3.034395145	2.271055627	1.33611661	0.181511162	0.998252924
chr10:20290703-20534434	exonic	PLXDC2	10	20290703	20534434	4	0	1	0	0	0	243731	0.713216797	3.044464903	3.399147101	0.895655531	0.370436767	0.998252924
chr10:21962278-22002879	exonic	MLLT10	10	21962278	22002879	4	0	1	0	0	0	40601	0.713216797	3.044464903	3.399147101	0.895655531	0.370436767	0.998252924
chr16:53319507-53331070	exonic	CHD9	16	53319507	53331070	4	0	1	0	0	0	11563	0.713216797	3.044464903	3.399147101	0.895655531	0.370436767	0.998252924
chr3:19992297-19992553	exonic	RAB5A	3	19992297	19992553	4	0	1	0	0	0	256	0.713216797	3.044464903	3.399147101	0.895655531	0.370436767	0.998252924
chr9:95737519-95738991	exonic	FGD3	9	95737519	95738991	4	0	1	0	0	0	1472	0.713216797	3.044464903	3.399147101	0.895655531	0.370436767	0.998252924
chr15:43242459-43258484	exonic	UBR1	15	43242459	43258484	11	0	0	0	1	0	16025	1.539883792	3.058782441	2.684012562	1.139630449	NA	NA
chr1:15855582-15863309	exonic	DNAJC16	1	15855582	15863309	0	2	2	0	0	0	7727	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr1:39463842-39466778	exonic	AKIRIN1	1	39463842	39466778	0	2	2	0	0	0	2936	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr18:54483261-54547396	exonic	WDR7	18	54483261	54547396	0	2	2	0	0	0	64135	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr19:58904342-58904854	exonic	RPS5	19	58904342	58904854	0	2	2	0	0	0	512	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr2:44931421-44942492	exonic	CAMKMT	2	44931421	44942492	0	2	2	0	0	0	11071	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924

chr3:152173366-152173849	exonic	MBNL1	3	152173366	152173849	0	2	2	0	0	0	483	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr3:185797605-185798964	exonic	ETV5	3	185797605	185798964	0	2	2	0	0	0	1359	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr4:103432037-103459113	exonic	NFKB1	4	103432037	103459113	0	2	2	0	0	0	27076	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr5:112870001-112874878	exonic	YTHDC2	5	112870001	112874878	0	2	2	0	0	0	4877	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr7:26232907-26233218	exonic	HNRNPA2B1	7	26232907	26233218	0	2	2	0	0	0	311	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr8:74495004-74601048	exonic	STAU2	8	74495004	74601048	0	2	2	0	0	0	106044	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr9:98740343-98742148	exonic	ERCC6L2	9	98740343	98742148	0	2	2	0	0	0	1805	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chrX:48797181-48798178	intronic	OTUD5	X	48797181	48798178	0	2	2	0	0	0	997	0.743089649	3.072870538	3.345527893	0.918500947	0.358356663	0.998252924
chr10:104632204-104634418	exonic	AS3MT	10	104632204	104634418	4	2	3	0	1	0	2214	1.577333868	3.075996275	2.223671858	1.383295949	0.16657414	0.998252924
chr10:75576780-75583842	exonic	CAMK2G	10	75576780	75583842	3	2	0	0	0	0	7062	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr11:679687-681089	exonic	DEAF1	11	679687	681089	3	2	0	0	0	0	1402	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr12:69245364-69248718	UTR3		12	69245364	69248718	3	2	0	0	0	0	3354	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr13:96622365-96651561	exonic	UGGT2	13	96622365	96651561	3	2	0	0	0	0	29196	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr16:1866893-1873038	exonic	HAGH	16	1866893	1873038	3	2	0	0	0	0	6145	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr17:49340634-49350811	exonic	UTP18	17	49340634	49350811	3	2	0	0	0	0	10177	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr17:58269575-58269905	intronic	USP32	17	58269575	58269905	3	2	0	0	0	0	330	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr17:64492319-64510584	exonic	PRKCA	17	64492319	64510584	3	2	0	0	0	0	18265	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr2:70451685-70463307	exonic	TIA1	2	70451685	70463307	3	2	0	0	0	0	11622	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr3:101419849-101422670	intergenic		3	101419849	101422670	3	2	0	0	0	0	2821	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr3:167319915-167339431	exonic	WDR49	3	167319915	167339431	3	2	0	0	0	0	19516	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr3:185332351-185341870	exonic	SENP2	3	185332351	185341870	3	2	0	0	0	0	9519	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr4:25146395-25158596	exonic	SEPSECS	4	25146395	25158596	3	2	0	0	0	0	12201	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr4:6969030-7006651	exonic	TBC1D14	4	6969030	7006651	3	2	0	0	0	0	37621	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr6:36126425-36126718	intergenic		6	36126425	36126718	3	2	0	0	0	0	293	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr6:57058639-57061404	exonic	RAB23	6	57058639	57061404	3	2	0	0	0	0	2765	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr6:72993750-73043538	exonic	RIMS1	6	72993750	73043538	3	2	0	0	0	0	49788	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr8:133759187-133769540	exonic	TMEM71	8	133759187	133769540	3	2	0	0	0	0	10353	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chrX:19968871-19988416	exonic	CXorf23	X	19968871	19988416	3	2	0	0	0	0	19545	0.735512427	3.086827248	3.336309356	0.92522213	0.354850375	0.998252924
chr1:35569895-35576048	exonic	ZMYM1	1	35569895	35576048	0	1	3	0	0	0	6153	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr13:100953713-100992513	exonic	PCCA	13	100953713	100992513	0	1	3	0	0	0	38800	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr14:36300615-36304129	exonic	BRMS1L	14	36300615	36304129	0	1	3	0	0	0	3514	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr16:84773914-84779279	exonic	USP10	16	84773914	84779279	0	1	3	0	0	0	5365	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr3:149589815-149629870	exonic	RNF13	3	149589815	149629870	0	1	3	0	0	0	40055	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr3:160073800-160099506	exonic	IFT80	3	160073800	160099506	0	1	3	0	0	0	25706	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr3:185316199-185344181	exonic	SENP2	3	185316199	185344181	0	1	3	0	0	0	27982	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924

chrX:77268375-77275895	exonic	ATP7A	X	77268375	77275895	0	1	3	0	0	0	7520	0.766082876	3.112779858	3.330018298	0.93476359	0.349910148	0.998252924
chr15:66030044-66031213	exonic	DENND4A		66030044	66031213	3	1	1	0	0	0	1169	0.758505653	3.127542019	3.045852795	1.02681982	0.304505315	0.998252924
chrX:12993287-12994354	UTR5	<small>TMSB4X (NM_021109;c.-1094_-1094delIns0)</small>	X	12993287	12994354	3	1	1	0	0	0	1067	0.758505653	3.127542019	3.045852795	1.02681982	0.304505315	0.998252924
chr7:48258950-48288948	exonic	ABCA13		48258950	48288948	2	9	3	2	0	0	29998	2.630885924	3.129328411	1.895227176	1.651162695	0.098705358	0.998252924
chr7:24663284-24720139	exonic	MPP6		24663284	24720139	3	4	2	1	0	0	56855	1.584913461	3.131905533	2.225149708	1.407503198	0.15927823	0.998252924
chr20:32659871-32666359	exonic	RALY		32659871	32666359	6	4	0	1	0	0	6488	1.577336238	3.141636529	2.410155031	1.30349977	0.192404195	0.998252924
chr10:121017144-121018671	intronic	GRK5		121017144	121018671	0	0	4	0	0	0	1527	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr10:12708734-12811798	exonic	CAMK1D		12708734	12811798	0	0	4	0	0	0	103064	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr10:96493054-96535296	exonic	CYP2C18, CYP2C19		96493054	96535296	0	0	4	0	0	0	42242	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr11:61183137-61183991	exonic	CPSF7		61183137	61183991	0	0	4	0	0	0	854	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr14:50941794-50952912	exonic	MAP4K5		50941794	50952912	0	0	4	0	0	0	11118	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr15:100228870-100229780	intronic	MEF2A		100228870	100229780	0	0	4	0	0	0	910	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr16:8895655-8900264	exonic	PMM2		8895655	8900264	0	0	4	0	0	0	4609	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr17:46622856-46627308	ncRNA_exonic	HOXB-AS1		46622856	46627308	0	0	4	0	0	0	4452	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr17:71199138-71199932	exonic	COG1		71199138	71199932	0	0	4	0	0	0	794	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr18:23612362-23637706	exonic	SS18		23612362	23637706	0	0	4	0	0	0	25344	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr19:11977352-12058122	exonic	ZNF439, ZNF69, ZNF700		11977352	12058122	0	0	4	0	0	0	80770	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr19:2831525-2835203	exonic	ZNF554		2831525	2835203	0	0	4	0	0	0	3678	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr2:223768925-223771369	intronic	ACSL3		223768925	223771369	0	0	4	0	0	0	2444	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr2:37283582-37284623	exonic	HEATR5B		37283582	37284623	0	0	4	0	0	0	1041	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr20:47557735-47570327	exonic	ARFGEF2		47557735	47570327	0	0	4	0	0	0	12592	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr3:8574422-8579126	exonic	LMCD1		8574422	8579126	0	0	4	0	0	0	4704	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr6:154580709-154581716	intronic	IPCEF1		154580709	154581716	0	0	4	0	0	0	1007	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr6:16391316-16392836	intronic	ATXN1		16391316	16392836	0	0	4	0	0	0	1520	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr7:107830088-107850049	exonic	NRCAM		107830088	107850049	0	0	4	0	0	0	19961	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr7:65943996-66053567	ncRNA_exonic	GS1-124K5.11		65943996	66053567	0	0	4	0	0	0	109571	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr8:142152030-142153630	intronic	DENND3		142152030	142153630	0	0	4	0	0	0	1600	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr8:71495398-71499411	exonic	TRAM1		71495398	71499411	0	0	4	0	0	0	4013	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chrX:14868626-14877456	exonic	FANCB	X	14868626	14877456	0	0	4	0	0	0	8830	0.789076102	3.15582783	3.612111889	0.873679423	NA	NA
chr2:20494136-20527139	exonic	PUM2		20494136	20527139	3	0	2	0	0	0	33003	0.781498879	3.164226905	3.266079908	0.968814908	0.332637547	0.998252924
chr2:20497313-20527139	exonic	PUM2		20497313	20527139	3	0	2	0	0	0	29826	0.781498879	3.164226905	3.266079908	0.968814908	0.332637547	0.998252924
chr2:206992520-207018406	exonic	NDUFS1		206992520	207018406	3	0	2	0	0	0	25886	0.781498879	3.164226905	3.266079908	0.968814908	0.332637547	0.998252924
chr7:100866758-100867422	exonic	ZNHIT1		100866758	100867422	3	0	2	0	0	0	664	0.781498879	3.164226905	3.266079908	0.968814908	0.332637547	0.998252924
chr9:3484974-3490345	UTR5	<small>WFS30K (LOC101929111; NM_0010022117;c.-30891_-30891delIns0)</small>		3484974	3490345	3	0	2	0	0	0	5371	0.781498879	3.164226905	3.266079908	0.968814908	0.332637547	0.998252924
chr1:23356961-23395644	exonic	KDM1A		23356961	23395644	2	3	0	0	0	0	38683	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924

chr1:59787207-59922748	exonic	FGGY	1	59787207	59922748	2	3	0	0	0	0	135541	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr11:46811625-46812133	exonic	CKAP5	11	46811625	46812133	2	3	0	0	0	0	508	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr13:45725821-45781640	exonic	GTF2F2, KCTD4	13	45725821	45781640	2	3	0	0	0	0	55819	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr14:51107467-51111732	exonic	SAV1	14	51107467	51111732	2	3	0	0	0	0	4265	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr15:76577977-76585041	exonic	ETFA	15	76577977	76585041	2	3	0	0	0	0	7064	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr17:36076080-36076315	intronic	HNF1B	17	36076080	36076315	2	3	0	0	0	0	235	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr17:46925425-46926739	exonic	CALCOCO2	17	46925425	46926739	2	3	0	0	0	0	1314	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr18:48189458-48190874	exonic	MAPK4	18	48189458	48190874	2	3	0	0	0	0	1416	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr2:20402129-20402425	UTR3	<small>CGTCTG GCGGGGAG C CCG *GCGGCTGAGG TGG GGGGTT C CCG *GCGGCTGAGG</small>	2	20402129	20402425	2	3	0	0	0	0	296	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr4:16240394-16324659	ncRNA_exonic	TAPT1-AS1	4	16240394	16324659	2	3	0	0	0	0	84265	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr5:40934426-40945470	exonic	C7	5	40934426	40945470	2	3	0	0	0	0	11044	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr7:63796637-63797360	exonic	ZNF736	7	63796637	63797360	2	3	0	0	0	0	723	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr8:97613777-97614081	intronic	SDC2	8	97613777	97614081	2	3	0	0	0	0	304	0.780801283	3.16589922	3.267597233	0.968876821	0.332606652	0.998252924
chr1:155640111-155753880	exonic	DAP3, GON4L, YY1AP1	1	155640111	155753880	6	0	0	0	0	0	113769	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr13:77825285-77862511	exonic	MYCBP2	13	77825285	77862511	6	0	0	0	0	0	37226	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr14:24735636-24737825	exonic	RABGGTA	14	24735636	24737825	6	0	0	0	0	0	2189	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr15:33357158-33384404	exonic	FMN1	15	33357158	33384404	6	0	0	0	0	0	27246	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr16:21030945-21110090	exonic	DNAH3	16	21030945	21110090	6	0	0	0	0	0	79145	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr19:44570217-44586258	exonic	ZNF223, ZNF284	19	44570217	44586258	6	0	0	0	0	0	16041	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr20:301149-303209	ncRNA_exonic	NRSN2-AS1	20	301149	303209	6	0	0	0	0	0	2060	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr3:51575605-51624575	exonic	RAD54L2	3	51575605	51624575	6	0	0	0	0	0	48970	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr6:56915572-56924175	exonic	KIAA1586	6	56915572	56924175	6	0	0	0	0	0	8603	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr7:30818047-30825608	exonic	FAM188B	7	30818047	30825608	6	0	0	0	0	0	7561	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr7:930703-931889	exonic	GET4	7	930703	931889	6	0	0	0	0	0	1186	0.773921657	3.171074323	3.620074768	0.87596929	NA	NA
chr5:50045984-50059076	exonic	PARP8	5	50045984	50059076	4	6	0	0	0	1	13092	1.869821174	3.182060572	2.340382106	1.359632926	0.173946113	0.998252924
chr5:94244955-94259726	exonic	MCTP1	5	94244955	94259726	10	9	4	2	1	0	14771	3.981077914	3.197073902	1.522718363	2.099583207	0.035765521	0.998252924
chr16:48311248-48337216	exonic	LONP2	16	48311248	48337216	2	2	1	0	0	0	25968	0.803794509	3.203318355	2.969241028	1.078834061	0.280661708	0.998252924
chr7:30494752-30496658	exonic	NOD1	7	30494752	30496658	2	2	1	0	0	0	1906	0.803794509	3.203318355	2.969241028	1.078834061	0.280661708	0.998252924
chr9:140622800-140657272	exonic	EHMT1	9	140622800	140657272	2	2	1	0	0	0	34472	0.803794509	3.203318355	2.969241028	1.078834061	0.280661708	0.998252924
chr4:25153581-25160729	exonic	SEPSECS	4	25153581	25160729	8	1	2	0	1	0	7148	1.721736814	3.229202064	2.213525267	1.458850329	0.144606307	0.998252924
chr1:109773499-109774408	exonic	SARS	1	109773499	109774408	2	1	2	0	0	0	909	0.826787736	3.238689101	2.942379021	1.100704253	0.271025395	0.998252924
chr6:71185161-71212494	exonic	FAM135A	6	71185161	71212494	2	1	2	0	0	0	27333	0.826787736	3.238689101	2.942379021	1.100704253	0.271025395	0.998252924
chr7:116339124-116340338	exonic	MET	7	116339124	116340338	2	1	2	0	0	0	1214	0.826787736	3.238689101	2.942379021	1.100704253	0.271025395	0.998252924
chr1:246021797-246078942	exonic	SMYD3	1	246021797	246078942	1	4	0	0	0	0	57145	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr11:94528176-94533477	exonic	AMOTL1	11	94528176	94533477	1	4	0	0	0	0	5301	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924

chr14:103465901-103478525	exonic	CDC42BPB	14	103465901	103478525	1	4	0	0	0	0	12624	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr15:86087002-86129054	exonic	AKAP13	15	86087002	86129054	1	4	0	0	0	0	42052	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr2:242282406-242283312	exonic		2-Sep	242282406	242283312	1	4	0	0	0	0	906	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr3:170077486-170108252	exonic	SKIL	3	170077486	170108252	1	4	0	0	0	0	30766	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr4:42487512-42546003	exonic	ATP8A1	4	42487512	42546003	1	0	0	0	0	2	58491	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr5:76342171-76344812	exonic	AGGF1	5	76342171	76344812	1	4	0	0	0	0	2641	0.826090139	3.240960476	3.230940196	1.003101351	0.315811963	0.998252924
chr16:22260075-22262643	exonic	EEF2K	16	22260075	22262643	8	2	1	1	0	0	2568	1.684027551	3.246558028	2.227497749	1.457491047	NA	NA
chr16:21080735-21098381	exonic	DNAH3	16	21080735	21098381	5	1	0	0	0	0	17646	0.819210513	3.250904157	3.230047042	1.006457217	0.314195682	0.998252924
chr16:21082030-21098381	exonic	DNAH3	16	21082030	21098381	5	1	0	0	0	0	16351	0.819210513	3.250904157	3.230047042	1.006457217	0.314195682	0.998252924
chr12:49880033-49884514	exonic	SPATS2	12	49880033	49884514	2	0	3	0	0	0	4481	0.849780962	3.274774158	3.173975566	1.031757835	0.302185577	0.998252924
chr14:23550956-23559842	exonic	ACIN1	14	23550956	23559842	2	0	3	0	0	0	8886	0.849780962	3.274774158	3.173975566	1.031757835	0.302185577	0.998252924
chr20:45923409-45927691	exonic	ZMYND8	20	45923409	45927691	2	0	3	0	0	0	4282	0.849780962	3.274774158	3.173975566	1.031757835	0.302185577	0.998252924
chr3:47129602-47158244	exonic	SETD2	3	47129602	47158244	2	0	3	0	0	0	28642	0.849780962	3.274774158	3.173975566	1.031757835	0.302185577	0.998252924
chr5:37205416-37224842	exonic	C5orf42	5	37205416	37224842	2	0	3	0	0	0	19426	0.849780962	3.274774158	3.173975566	1.031757835	0.302185577	0.998252924
chr15:22835915-22849121	exonic	TUBGCP5	15	22835915	22849121	1	3	1	0	0	0	13206	0.849083366	3.27538884	2.937630093	1.114976609	0.264860446	0.998252924
chr11:8457040-8486369	exonic	STK33	11	8457040	8486369	13	2	4	0	2	0	29329	3.0565128	3.278447681	1.800796686	1.820554039	0.068674675	0.998252924
chr20:45891031-45919018	exonic	ZMYND8	20	45891031	45919018	1	2	2	0	0	0	27987	0.872076592	3.309028913	2.893145453	1.143747857	0.25272822	0.998252924
chr4:140263979-140265493	exonic	NAA15	4	140263979	140265493	1	2	2	0	0	0	1514	0.872076592	3.309028913	2.893145453	1.143747857	0.25272822	0.998252924
chr1:28813786-28814343	intronic	PHACTR4	1	28813786	28814343	0	5	0	0	0	0	557	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr1:6727768-6741097	exonic	DNAJC11	1	6727768	6741097	0	5	0	0	0	0	13329	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr15:75693070-75715164	exonic	SIN3A	15	75693070	75715164	0	5	0	0	0	0	22094	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr15:91256398-91258273	ncRNA_exonic	CRTC3-AS1	15	91256398	91258273	0	5	0	0	0	0	1875	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr22:32664275-32669494	intergenic	<small>SLCSA4 (dist=12957), RPFL3 (dist=81378)</small>	22	32664275	32669494	0	5	0	0	0	0	5219	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr7:20193815-20210401	exonic	MACC1	7	20193815	20210401	0	5	0	0	0	0	16586	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr7:22279752-22280100	intronic	RAPGEF5	7	22279752	22280100	0	5	0	0	0	0	348	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr7:48541722-48542148	intronic	ABCA13	7	48541722	48542148	0	5	0	0	0	0	426	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr7:52382922-52391692	intergenic	<small>COBL(dist=998407), POM121L12(dist=711657)</small>	7	52382922	52391692	0	5	0	0	0	0	8770	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr7:7491949-7516811	exonic	COL28A1	7	7491949	7516811	0	5	0	0	0	0	24862	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr8:141874411-141935848	exonic	PTK2	8	141874411	141935848	0	5	0	0	0	0	61437	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chrX:2129531-2130869	intergenic	<small>ASMT(dist=367557), DHRSX(dist=6686)</small>	X	2129531	2130869	0	5	0	0	0	0	1338	0.871378995	3.313613624	3.47826289	0.952663364	NA	NA
chr1:186420311-186439527	ncRNA_exonic	LOC102724919	1	186420311	186439527	4	2	0	0	0	0	19216	0.864499369	3.322148383	3.140735243	1.05776136	0.290164253	0.998252924
chr2:26587169-26596497	exonic	EPT1	2	26587169	26596497	4	2	0	0	0	0	9328	0.864499369	3.322148383	3.140735243	1.05776136	0.290164253	0.998252924
chr2:26587169-26598016	exonic	EPT1	2	26587169	26598016	4	2	0	0	0	0	10847	0.864499369	3.322148383	3.140735243	1.05776136	0.290164253	0.998252924
chr4:152274052-152274543	intergenic	<small>PRSS48(dist=61447), FAM160A1(dist=5885)</small>	4	152274052	152274543	4	2	0	0	0	0	491	0.864499369	3.322148383	3.140735243	1.05776136	0.290164253	0.998252924
chr1:243504340-243589860	exonic	SDCCAG8	1	243504340	243589860	1	1	2	2	0	0	85520	0.895069818	3.342263876	2.890288811	1.156377128	0.247526933	0.998252924

chr2:42522264-42531691	exonic	EML4	2	42522264	42531691	1	1	3	0	0	0	9427	0.895069818	3.342263876	2.890288811	1.156377128	0.247526933	0.998252924
chr4:55133455-55136915	exonic	PDGFRA	4	55133455	55136915	1	1	3	0	0	0	3460	0.895069818	3.342263876	2.890288811	1.156377128	0.247526933	0.998252924
chr1:15956819-15978390	exonic	DDI2	1	15956819	15978390	0	4	1	0	0	0	21571	0.894372222	3.346287466	3.146935509	1.063347964	0.287624181	0.998252924
chr12:105289051-105322472	exonic	SLC41A2	12	105289051	105322472	0	4	1	0	0	0	33421	0.894372222	3.346287466	3.146935509	1.063347964	0.287624181	0.998252924
chr10:102697158-102703885	exonic	SLF2	10	102697158	102703885	4	1	1	0	0	0	6727	0.887492596	3.35764249	2.882044566	1.165021016	0.244010486	0.998252924
chr6:149997395-150016357	exonic	LATS1	6	149997395	150016357	4	1	1	0	0	0	18962	0.887492596	3.35764249	2.882044566	1.165021016	0.244010486	0.998252924
chr10:12039670-12046726	exonic	UPF2	10	12039670	12046726	0	3	2	0	0	0	7056	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr11:20424464-20448411	exonic	PRMT3	11	20424464	20448411	0	3	2	0	0	0	23947	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr12:112116954-112121111	exonic	BRAP	12	112116954	112121111	0	3	2	0	0	0	4157	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr12:85441024-85460676	exonic	LRR1Q1	12	85441024	85460676	0	3	2	0	0	0	19652	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr19:12511882-12544011	exonic	ZNF443, ZNF799	19	12511882	12544011	0	3	2	0	0	0	32129	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr19:36940301-36940903	exonic	ZNF566	19	36940301	36940903	0	3	2	0	0	0	602	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr5:107684099-107703654	exonic	FBXL17	5	107684099	107703654	0	3	2	0	0	0	19555	0.917365448	3.379075477	3.093838516	1.092195168	0.274747326	0.998252924
chr3:151299327-151318739	intergenic	MIR5186 (dist=15544), MIR548H2 (dist=28581)	3	151299327	151318739	4	0	2	0	0	0	19412	0.910485822	3.388323792	3.08620215	1.097894314	0.272250641	0.998252924
chr1:63042932-63091072	exonic	ANGPTL3, DOCK7	1	63042932	63091072	3	3	0	0	0	0	48140	0.909788226	3.389749254	3.079705313	1.100673249	0.271038893	0.998252924
chr15:54304845-54308083	exonic	UNC13C	15	54304845	54308083	3	3	0	0	0	0	3238	0.909788226	3.389749254	3.079705313	1.100673249	0.271038893	0.998252924
chr16:960930-1004666	exonic	LMF1	16	960930	1004666	3	3	0	0	0	0	43736	0.909788226	3.389749254	3.079705313	1.100673249	0.271038893	0.998252924
chr18:59949495-59954700	exonic	KIAA1468	18	59949495	59954700	3	3	0	0	0	0	5205	0.909788226	3.389749254	3.079705313	1.100673249	0.271038893	0.998252924
chr6:111640587-111641142	intronic	REV3L	6	111640587	111641142	3	3	0	0	0	0	555	0.909788226	3.389749254	3.079705313	1.100673249	0.271038893	0.998252924
chr7:21654731-21659696	exonic	DNAH11	7	21654731	21659696	3	3	0	0	0	0	4965	0.909788226	3.389749254	3.079705313	1.100673249	0.271038893	0.998252924
chr17:76121981-76122357	splicing	TMC6	17	76121981	76122357	7	0	0	0	0	0	376	0.9029086	3.392883617	3.420609097	0.991894578	NA	NA
chr18:42281140-42283072	exonic	SETBP1	18	42281140	42283072	7	0	0	0	0	0	1932	0.9029086	3.392883617	3.420609097	0.991894578	NA	NA
chr6:52657654-52761726	exonic	GSTA1, GSTA3, GSTA5	6	52657654	52761726	7	0	0	0	0	0	104072	0.9029086	3.392883617	3.420609097	0.991894578	NA	NA
chr12:28408514-28544344	exonic	CCDC91	12	28408514	28544344	0	2	3	0	0	0	135830	0.940358675	3.411338948	3.0682803	1.111808119	0.26622066	0.998252924
chr15:49517402-49531564	exonic	GALK2	15	49517402	49531564	0	2	3	0	0	0	14162	0.940358675	3.411338948	3.0682803	1.111808119	0.26622066	0.998252924
chr19:20228590-20232155	exonic	ZNF90	19	20228590	20232155	0	2	3	0	0	0	3565	0.940358675	3.411338948	3.0682803	1.111808119	0.26622066	0.998252924
chr2:122260742-122286356	exonic	CLASP1	2	122260742	122286356	0	2	3	0	0	0	25614	0.940358675	3.411338948	3.0682803	1.111808119	0.26622066	0.998252924
chr2:122260742-122287901	exonic	CLASP1	2	122260742	122287901	0	2	3	0	0	0	27159	0.940358675	3.411338948	3.0682803	1.111808119	0.26622066	0.998252924
chr9:88574707-88611492	exonic	NAA35	9	88574707	88611492	0	2	3	0	0	0	36785	0.940358675	3.411338948	3.0682803	1.111808119	0.26622066	0.998252924
chr1:246490502-246498776	exonic	SMYD3	1	246490502	246498776	3	2	1	0	0	0	8274	0.932781452	3.422747594	2.810075439	1.218026942	0.223213735	0.998252924
chr13:43500471-43538275	exonic	EPSTI1	13	43500471	43538275	3	2	1	0	0	0	37804	0.932781452	3.422747594	2.810075439	1.218026942	0.223213735	0.998252924
chr4:25146395-25160729	exonic	SEPSECS	4	25146395	25160729	3	2	1	0	0	0	14334	0.932781452	3.422747594	2.810075439	1.218026942	0.223213735	0.998252924
chr2:97823843-97833504	exonic	ANKRD36	2	97823843	97833504	1	3	6	1	0	0	9661	1.941739878	3.426953694	2.155358941	1.589968904	0.111841814	0.998252924
chr15:38591573-38617010	exonic	SPRED1	15	38591573	38617010	0	3	7	0	1	0	25437	2.024737998	3.442882126	2.283006547	1.508047417	0.131542392	0.998252924
chr1:70758070-70779473	exonic	ANKRD13C	1	70758070	70779473	8	5	7	11	10	9	21403	0.963351901	3.443342233	3.071814934	1.120947162	0.262310354	0.998252924

chr18:72589152-72601994	exonic	ZNF407	18	72589152	72601994	0	1	4	0	0	0	12842	0.963351901	3.443342233	3.071814934	1.120947162	0.262310354	0.998252924
chr22:23029445-23192390	ncRNA_exonic	MIR650	22	23029445	23192390	4	2	12	0	2	0	162945	3.473782519	3.451960173	1.775609013	1.944099262	NA	NA
chr3:98487273-98492827	exonic	ST3GAL6	3	98487273	98492827	3	1	2	0	0	0	5554	0.955774678	3.453249616	2.789049835	1.238145541	0.2156621	0.998252924
chr6:108232549-108246136	exonic	SEC63	6	108232549	108246136	3	1	2	0	0	0	13587	0.955774678	3.453249616	2.789049835	1.238145541	0.2156621	0.998252924
chr1:47801217-47801530	intronic	CMPK1	1	47801217	47801530	2	4	0	0	0	0	313	0.955077082	3.454289402	3.038360073	1.136892705	0.255583142	0.998252924
chr14:50266192-50298079	exonic	NEMF	14	50266192	50298079	2	4	0	0	0	0	31887	0.955077082	3.454289402	3.038360073	1.136892705	0.255583142	0.998252924
chr14:50267137-50298079	exonic	NEMF	14	50267137	50298079	2	4	0	0	0	0	30942	0.955077082	3.454289402	3.038360073	1.136892705	0.255583142	0.998252924
chr3:17512337-17513740	intronic	TBC1D5	3	17512337	17513740	2	4	0	0	0	0	1403	0.955077082	3.454289402	3.038360073	1.136892705	0.255583142	0.998252924
chr4:184930311-184932788	exonic	STOX2	4	184930311	184932788	2	4	0	0	0	0	2477	0.955077082	3.454289402	3.038360073	1.136892705	0.255583142	0.998252924
chrMT:8472-8624	intergenic	NONE (dist=NONE), NONE (dist=NONE)	MT	8472	8624	2	4	0	0	0	0	152	0.955077082	3.454289402	3.038360073	1.136892705	0.255583142	0.998252924
chr1:155642351-155649303	exonic	YY1AP1	1	155642351	155649303	0	0	5	0	0	0	6952	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr10:12414540-12415718	intronic	CAMK1D	10	12414540	12415718	0	0	5	0	0	0	1178	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr10:96493054-96541754	exonic	CYP2C18, CYP2C19	10	96493054	96541754	0	0	5	0	0	0	48700	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr17:49041911-49042201	UTR3	-----	17	49041911	49042201	0	0	5	0	0	0	290	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr2:233599864-233626146	exonic	GIGYF2	2	233599864	233626146	0	0	5	0	0	0	26282	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr2:37330584-37331063	intergenic	GPATCH11 (dist=4197), EIF2AK2 (dist=1221)	2	37330584	37331063	0	0	5	0	0	0	479	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr7:129679304-129681313	exonic	ZC3HC1	7	129679304	129681313	0	0	5	0	0	0	2009	0.986345128	3.47853522	3.333170378	1.043611584	NA	NA
chr11:108046972-108047817	exonic	NPAT	11	108046972	108047817	3	0	3	0	0	0	845	0.978767905	3.483622879	3.005989194	1.158894012	0.24649939	0.998252924
chr2:99811213-99812219	exonic	MRPL30	2	99811213	99812219	3	0	3	0	0	0	1006	0.978767905	3.483622879	3.005989194	1.158894012	0.24649939	0.998252924
chr1:179316734-179320597	exonic	SOAT1	1	179316734	179320597	2	3	1	0	0	0	3863	0.978070308	3.484865618	2.769634709	1.25824016	0.208304915	0.998252924
chr2:68717321-68740812	exonic	APLF	2	68717321	68740812	2	3	1	0	0	0	23491	0.978070308	3.484865618	2.769634709	1.25824016	0.208304915	0.998252924
chr3:32774914-32778982	exonic	CNOT10	3	32774914	32778982	2	3	1	0	0	0	4068	0.978070308	3.484865618	2.769634709	1.25824016	0.208304915	0.998252924
chr5:33576158-33596165	exonic	ADAMTS12	5	33576158	33596165	2	3	1	0	0	0	20007	0.978070308	3.484865618	2.769634709	1.25824016	0.208304915	0.998252924
chr17:80863811-80869665	exonic	TBCD	17	80863811	80869665	24	1	0	0	2	0	5854	3.51201727	3.506319389	1.99867209	1.754324487	NA	NA
chr2:68794473-68805135	exonic	APLF	2	68794473	68805135	2	2	2	0	0	0	10662	1.001063535	3.514063068	2.729509935	1.287433697	0.197943165	0.998252924
chr5:39382719-39388954	exonic	DAB2	5	39382719	39388954	1	5	0	0	0	0	6235	1.000365938	3.516216636	3.024165946	1.162706246	NA	NA
chrX:16836696-16838378	exonic	TXLNG	X	16836696	16838378	5	2	0	0	0	0	1682	0.993486312	3.524274379	2.987539041	1.179658016	0.238136258	0.998252924
chrX:73045950-73051109	ncRNA_exonic	TSIX, XIIST	X	73045950	73051109	5	2	0	0	0	0	5159	0.993486312	3.524274379	2.987539041	1.179658016	0.238136258	0.998252924
chr2:68717321-68753374	exonic	APLF	2	68717321	68753374	4	4	4	0	1	0	36053	2.123154491	3.533956804	2.030862125	1.740126402	0.081836825	0.998252924
chr7:22306582-22357656	exonic	RAPGEF5	7	22306582	22357656	0	34	0	0	4	0	51074	6.409486856	3.570599668	3.82892452	0.932533313	NA	NA
chr1:197611840-197684204	exonic	DENND1B	1	197611840	197684204	1	3	2	0	0	0	72364	1.046352391	3.57265923	2.714361018	1.316206358	0.18810479	0.998252924
chr15:86225388-86251317	exonic	AKAP13	15	86225388	86251317	1	3	2	0	0	0	25929	1.046352391	3.57265923	2.714361018	1.316206358	0.18810479	0.998252924
chr21:40581920-40587288	exonic	BRWD1	21	40581920	40587288	1	3	2	0	0	0	5368	1.046352391	3.57265923	2.714361018	1.316206358	0.18810479	0.998252924
chr4:107216250-107230146	exonic	TBCK	4	107216250	107230146	1	3	2	0	0	0	13896	1.046352391	3.57265923	2.714361018	1.316206358	0.18810479	0.998252924
chrX:117706285-117707981	exonic	DOCK11	X	117706285	117707981	1	3	2	0	0	0	1696	1.046352391	3.57265923	2.714361018	1.316206358	0.18810479	0.998252924

chr17:67114038-67121176	exonic	ABCA6	17	67114038	67121176	2	0	4	0	0	0	7138	1.047049988	3.573202117	2.949084791	1.211630852	0.225653719	0.998252924
chr1:42730785-42789498	exonic	FOXJ3	1	42730785	42789498	0	6	0	0	0	0	58713	1.045654794	3.576821576	3.260558943	1.096996447	NA	NA
chr1:44750506-44804994	exonic	ERI3	1	44750506	44804994	0	6	0	0	0	0	54488	1.045654794	3.576821576	3.260558943	1.096996447	NA	NA
chr16:21327205-21363459	ncRNA_exonic	CRYM-AS1, SNX29P1	16	21327205	21363459	0	6	0	0	0	0	36254	1.045654794	3.576821576	3.260558943	1.096996447	NA	NA
chr2:215609790-215634036	exonic	BARD1	2	215609790	215634036	0	6	0	0	0	0	24246	1.045654794	3.576821576	3.260558943	1.096996447	NA	NA
chrX:76918870-76920267	exonic	ATRX	X	76918870	76920267	0	6	0	0	0	0	1397	1.045654794	3.576821576	3.260558943	1.096996447	NA	NA
chr1:146066114-146074129	exonic	NBPF11	1	146066114	146074129	4	3	0	0	0	0	8015	1.038775168	3.583347507	2.933355218	1.221586627	0.221863988	0.998252924
chr5:63496634-63513223	exonic	RNF180	5	63496634	63513223	4	3	0	0	0	0	16589	1.038775168	3.583347507	2.933355218	1.221586627	0.221863988	0.998252924
chr9:138741982-138773640	exonic	CAMSAP1	9	138741982	138773640	4	3	0	0	0	0	31658	1.038775168	3.583347507	2.933355218	1.221586627	0.221863988	0.998252924
chr13:41894960-41897178	exonic	NAA16	13	41894960	41897178	8	0	0	0	0	0	2218	1.031895542	3.584984577	3.262000912	1.099013971	NA	NA
chr5:121354954-121358102	exonic	SRFBP1	5	121354954	121358102	8	0	0	0	0	0	3148	1.031895542	3.584984577	3.262000912	1.099013971	NA	NA
chr1:63269389-63307218	exonic	ATG4C	1	63269389	63307218	1	2	3	0	0	0	37829	1.069345618	3.600298873	2.697087743	1.334883851	0.181914364	0.998252924
chr4:38916541-38933995	exonic	FAM114A1	4	38916541	38933995	1	2	3	0	0	0	17454	1.069345618	3.600298873	2.697087743	1.334883851	0.181914364	0.998252924
chr1:24989150-24996806	exonic	SRRM1	1	24989150	24996806	4	2	1	0	0	0	7656	1.061768395	3.612990818	2.686267526	1.34498548	0.178629924	0.998252924
chr6:158994451-159046786	exonic	TMEM181	6	158994451	159046786	4	2	1	0	0	0	52335	1.061768395	3.612990818	2.686267526	1.34498548	0.178629924	0.998252924
chr17:33310020-33313150	exonic	LIG3	17	33310020	33313150	0	4	2	0	0	0	3130	1.091641247	3.631580012	2.910944955	1.247560523	0.212192043	0.998252924
chr1:1417925-1455686	exonic	ATAD3A, ATAD3B	1	1417925	1455686	3	4	0	0	0	0	37761	1.084064025	3.640017423	2.893811231	1.257862774	0.208441389	0.998252924
chr1:109325043-109337529	exonic	STXBP3	1	109325043	109337529	1	0	5	0	0	0	12486	1.11533207	3.658121294	2.923189376	1.251414405	NA	NA
chr11:68315534-68343511	exonic	PPP6R3	11	68315534	68343511	0	3	3	0	0	0	27977	1.114634474	3.658717742	2.884355467	1.268469779	NA	NA
chr12:26780965-26808785	exonic	ITPR2	12	26780965	26808785	0	3	3	0	0	0	27820	1.114634474	3.658717742	2.884355467	1.268469779	NA	NA
chr12:32458630-32459056	exonic	BICD1	12	32458630	32459056	0	3	3	0	0	0	426	1.114634474	3.658717742	2.884355467	1.268469779	NA	NA
chr2:74273404-74307718	exonic	TET3	2	74273404	74307718	0	3	3	0	0	0	34314	1.114634474	3.658717742	2.884355467	1.268469779	NA	NA
chr5:54639158-54646857	exonic	SKIV2L2	5	54639158	54646857	0	3	3	0	0	0	7699	1.114634474	3.658717742	2.884355467	1.268469779	NA	NA
chr6:90571845-90581107	exonic	CASP8AP2	6	90571845	90581107	4	0	3	0	0	0	9262	1.107754848	3.665909046	2.873295064	1.275855408	0.202006637	0.998252924
chr1:225140371-225211567	exonic	DNAH14	1	225140371	225211567	3	3	1	0	0	0	71196	1.107057251	3.667682604	2.645640563	1.386311752	0.16565173	0.998252924
chr17:78263457-78264527	exonic	RNF213	17	78263457	78264527	3	3	1	0	0	0	1070	1.107057251	3.667682604	2.645640563	1.386311752	0.16565173	0.998252924
chr2:89085986-89104922	ncRNA_exonic	ANKRD36BP2	2	89085986	89104922	0	0	19	0	2	0	18936	3.990166329	3.692796187	3.868716525	0.954527468	NA	NA
chr12:51402414-51404477	exonic	SLC11A2	12	51402414	51404477	3	2	2	0	0	0	2063	1.130050478	3.693545568	2.608808372	1.415797959	0.156834667	0.998252924
chr7:158566031-158591763	exonic	ESYT2	7	158566031	158591763	3	2	2	0	0	0	25732	1.130050478	3.693545568	2.608808372	1.415797959	0.156834667	0.998252924
chr7:6472467-6476164	exonic	DAGLB	7	6472467	6476164	3	2	2	0	0	0	3697	1.130050478	3.693545568	2.608808372	1.415797959	0.156834667	0.998252924
chr11:108172374-108175579	exonic	ATM	11	108172374	108175579	6	2	0	0	0	0	3205	1.122473255	3.701401483	2.864005051	1.292386507	0.196223327	0.998252924
chr18:77170402-77171501	exonic	NFATC1	18	77170402	77171501	0	0	6	0	0	0	1099	1.183614153	3.742271301	3.131563782	1.195016791	NA	NA
chr5:34179118-34182972	intergenic	<small>C10orf93-AS1(51-5488), RAL16(41st-47361)</small>	5	34179118	34182972	0	0	6	0	0	0	3854	1.183614153	3.742271301	3.131563782	1.195016791	NA	NA
chr7:87593949-87607727	exonic	ADAM22	7	87593949	87607727	0	0	6	0	0	0	13778	1.183614153	3.742271301	3.131563782	1.195016791	NA	NA
chr2:183817132-183818059	exonic	NCKAP1	2	183817132	183818059	3	0	4	0	0	0	927	1.17603693	3.745182311	2.820925708	1.327643015	0.184296067	0.998252924

chr13:31789188-31803431	exonic	B3GLCT	13	31789188	31803431	6	0	2	0	0	0	14243	1.168459708	3.752754295	2.82890861	1.326573182	0.184649912	0.998252924
chr20:32293334-32293841	UTR3	<small>PM99186.133977.c.4482.491561aa1.06.00220.c.4219.14171aa100</small>	20	32293334	32293841	5	3	0	0	0	0	507	1.167762111	3.753895525	2.815297476	1.33339214	0.182403151	0.998252924
chr17:30500849-30502381	exonic	RHOT1	17	30500849	30502381	2	2	3	0	0	0	1532	1.19833256	3.769784468	2.565481764	1.469425556	0.1417174	0.998252924
chr1:45975297-45975538	UTR3	<small>MMA3HC (NM_015506:c.#410_#651 de l'ins0)</small>	1	45975297	45975538	0	7	0	0	0	0	241	1.219930594	3.799368216	3.094685091	1.227707539	NA	NA
chr2:39424093-39456729	exonic	CDKL4	2	39424093	39456729	0	7	0	0	0	0	32636	1.219930594	3.799368216	3.094685091	1.227707539	NA	NA
chr22:29095825-29130715	exonic	CHEK2	22	29095825	29130715	0	7	0	0	0	0	34890	1.219930594	3.799368216	3.094685091	1.227707539	NA	NA
chr6:20781376-20874661	exonic	CDKAL1	6	20781376	20874661	0	7	0	0	0	0	93285	1.219930594	3.799368216	3.094685091	1.227707539	NA	NA
chr6:51695658-51735437	exonic	PKHD1	6	51695658	51735437	0	7	0	0	0	0	39779	1.219930594	3.799368216	3.094685091	1.227707539	NA	NA
chr7:116335804-116340338	exonic	MET	7	116335804	116340338	0	7	0	0	0	0	4534	1.219930594	3.799368216	3.094685091	1.227707539	NA	NA
chr14:21840032-21841589	exonic	SUPT16H	14	21840032	21841589	8	1	0	0	0	0	1557	1.206171341	3.809706168	2.831833338	1.3453144	0.178523725	0.998252924
chr16:14173146-14234617	exonic	MKL2	16	14173146	14234617	8	1	0	0	0	0	61471	1.206171341	3.809706168	2.831833338	1.3453144	0.178523725	0.998252924
chr4:39752615-39753040	intronic	UBE2K	4	39752615	39753040	0	5	2	0	0	0	425	1.265917046	3.846438293	2.771408929	1.387899942	0.165167515	0.998252924
chr1:44386076-44387310	exonic	ST3GAL3	1	44386076	44387310	7	2	0	0	0	0	1234	1.251460198	3.859023521	2.762865712	1.396746684	0.16248976	0.998252924
chr3:138289159-138291756	exonic	CEP70	3	138289159	138291756	8	9	0	2	0	0	2597	4.200327271	3.861261895	1.819049012	2.122681615	0.033780541	0.998252924
chr3:40502898-40503739	exonic	RPL14	3	40502898	40503739	0	4	3	0	0	0	841	1.288910273	3.869870743	2.744697434	1.409944388	NA	NA
chr6:111208708-111214865	exonic	AMD1	6	111208708	111214865	0	4	3	0	0	0	6157	1.288910273	3.869870743	2.744697434	1.409944388	NA	NA
chr3:71739160-71748859	exonic	EIF4E3	3	71739160	71748859	1	0	6	0	0	0	9699	1.312601096	3.892826654	2.776716827	1.401953061	NA	NA
chr12:29491464-29494749	exonic	ERGC2	12	29491464	29494749	3	3	2	0	0	0	3285	1.304326277	3.899488574	2.480173549	1.572264399	0.115889246	0.998252924
chr6:157150360-157256710	exonic	ARID1B	6	157150360	157256710	2	6	0	0	0	0	106350	1.30362868	3.900558011	2.737885676	1.424660659	0.154255316	0.998252924
chr22:39147397-39148511	splicing	SUN2	22	39147397	39148511	10	0	0	0	0	0	1114	1.289869428	3.905925316	3.024487069	1.291433961	NA	NA
chr1:22404922-22417994	exonic	CDC42	1	22404922	22417994	0	2	5	0	0	0	13072	1.334896726	3.916082846	2.728838665	1.435073057	0.15126628	0.998252924
chrX:50338697-50351184	exonic	SHROOM4	X	50338697	50351184	0	1	6	0	0	0	12487	1.357889952	3.939197394	2.750155637	1.432354352	NA	NA
chr14:50267137-50295525	exonic	NEMF	14	50267137	50295525	2	4	2	0	0	0	28388	1.349615133	3.944550717	2.465923399	1.599624189	0.109681979	0.998252924
chr7:33390830-33427756	exonic	BBS9	7	33390830	33427756	4	4	1	5	0	0	36926	1.349615133	3.944550717	2.465923399	1.599624189	0.109681979	0.998252924
chr17:4186092-4210418	exonic	UBE2G1	17	4186092	4210418	2	3	3	0	0	0	24326	1.372608359	3.965920791	2.446395434	1.621128267	0.104990133	0.998252924
chr4:103635595-103651893	exonic	MANBA	4	103635595	103651893	2	2	4	0	0	0	16298	1.395601586	3.987133759	2.444099315	1.631330501	0.102820601	0.998252924
chr3:193201724-193210949	exonic	ATP13A4	3	193201724	193210949	5	2	2	0	0	0	9225	1.388024363	3.996564883	2.433902004	1.642040179	0.100581678	0.998252924
chr6:31238850-31232369	exonic	HLA-B, HLA-C	6	31238850	31232369	5854	1683	0	0	540	0	84519	1113.750541	4.003369391	3.725765064	1.074509348	0.282594457	0.998252924
chr10:126395204-126395456	exonic	FAM53B	10	126395204	126395456	2	0	6	0	0	0	252	1.441588039	4.031871628	2.660116522	1.515674819	0.129601598	0.998252924
chr16:11121965-11124596	intronic	CLEC16A	16	11121965	11124596	8	0	2	0	0	0	2631	1.426433593	4.043047901	2.652494595	1.524243597	0.127447871	0.998252924
chr2:231301096-231314970	exonic	SP100	2	231301096	231314970	0	5	3	0	0	0	13874	1.463186072	4.054059283	2.634411619	1.538886047	0.123832118	0.998252924
chr20:18523662-18531819	exonic	SEC23B	20	18523662	18531819	0	5	3	0	0	0	8157	1.463186072	4.054059283	2.634411619	1.538886047	0.123832118	0.998252924
chr6:109900752-109907275	exonic	AK9	6	109900752	109907275	4	2	3	0	0	0	6523	1.456306446	4.058806974	2.390805998	1.697673076	0.089569482	0.998252924
chr10:124339093-124344825	exonic	DMBT1	10	124339093	124344825	2	7	0	0	0	0	5732	1.477904479	4.080805735	2.633675324	1.549471834	0.121268337	0.998252924
chr13:25073438-25075972	exonic	PARP4	13	25073438	25075972	0	3	5	0	0	0	2534	1.509172525	4.094753893	2.611922318	1.567716568	0.116947293	0.998252924

chr6:2294539-2295009	ncRNA_intronic	GMDS-AS1	6	2294539	2295009	0	3	5	0	0	0	470	1.509172525	4.094753893	2.611922318	1.567716568	0.116947293	0.998252924
chr17:75255307-75256242	intergenic	SEC14L1(dist=42126), SEPT9(dist=21250)	17	75255307	75256242	4	0	5	0	0	0	935	1.502292899	4.099355353	2.597562492	1.57815466	0.114530083	0.998252924
chr20:34450934-34459751	exonic	PHF20	20	34450934	34459751	4	0	5	0	0	0	8817	1.502292899	4.099355353	2.597562492	1.57815466	0.114530083	0.998252924
chr4:25667000-25668920	exonic	SLC34A2	4	25667000	25668920	3	0	6	0	0	0	1920	1.570574982	4.158847714	2.573197868	1.616217612	0.106047272	0.998252924
chr18:74153200-74155167	exonic	ZNF516	18	74153200	74155167	6	4	1	0	0	0	1967	1.668293879	4.264734626	2.315193407	1.842064086	0.065465776	0.998252924
chr1:21329205-21437876	exonic	EIF4G3	1	21329205	21437876	3	3	4	0	0	0	108671	1.698864328	4.274695236	2.273803365	1.879975772	0.06011138	0.998252924
chr14:55600902-55601586	intronic	LGALS3	14	55600902	55601586	10	0	2	0	0	0	684	1.684407479	4.284304457	2.523338398	1.697871542	0.089532009	0.998252924
chr11:68571467-68575106	exonic	CPT1A	11	68571467	68575106	5	5	1	0	0	0	3639	1.713582735	4.299980061	2.297620734	1.871492539	0.061276843	0.998252924
chr14:106866811-107013248	ncRNA_exonic	LINC00221	14	106866811	107013248	0	10	0	0	0	0	146437	1.742757991	4.316589236	3.93218923	1.097757525	NA	NA
chr2:96585481-96587558	exonic	ANKRD36C	2	96585481	96587558	0	10	0	0	0	0	2077	1.742757991	4.316589236	3.93218923	1.097757525	NA	NA
chr2:89247240-89292223	intergenic	MIR4436A(dist=135272), NONE(dist=NONE)	2	89247240	89292223	0	0	9	0	0	0	44983	1.77542123	4.337943596	3.931817072	1.103292324	NA	NA
chr3:49343147-49349087	exonic	USP4	3	49343147	49349087	1	3	6	0	0	0	5940	1.835428493	4.377384525	2.283561588	1.916911086	0.055249228	0.998252924
chr22:47370185-47433094	exonic	TBC1D22A	22	47370185	47433094	0	4	6	0	0	0	62909	1.880717349	4.413352254	2.438828283	1.809619925	0.070354748	0.998252924
chr12:40696590-40697936	exonic	LRRK2	12	40696590	40697936	7	1	4	0	0	0	1346	1.866260501	4.421356256	2.246189126	1.968381115	0.049024203	0.998252924
chr2:89082250-89104922	ncRNA_exonic	ANKRD36BP2	2	89082250	89104922	0	0	19	0	1	0	22672	3.869138907	4.421729934	3.913500561	1.12986567	NA	NA
chr10:124339093-124354044	exonic	DMBT1	10	124339093	124354044	1	9	1	0	0	0	14951	1.89473816	4.433708821	2.316691939	1.913810268	NA	NA
chr2:100065797-100081447	exonic	REV1	2	100065797	100081447	10	0	3	0	0	0	15650	1.881676504	4.440293986	2.426845504	1.829656638	0.067301299	0.998252924
chr1:207200838-207201024	exonic	Clorf116	1	207200838	207201024	0	11	0	0	0	0	186	1.91703379	4.454255612	3.929883254	1.133432045	NA	NA
chr7:22330794-22380505	exonic	RAPGEF5	7	22330794	22380505	0	11	0	0	0	0	49711	1.91703379	4.454255612	3.929883254	1.133432045	NA	NA
chr6:29913228-29977144	exonic	HLA-A	6	29913228	29977144	5	2	6	0	0	0	63916	2.177100465	4.634049039	2.120576668	2.185277764	0.028868487	0.998252924
chr3:193177459-193179817	intronic	ATP13A4	3	193177459	193179817	3	3	7	0	0	0	2358	2.290671404	4.701419487	2.095940812	2.243106991	0.024889916	0.998252924
chr11:62277998-62304039	exonic	AHNAK	11	62277998	62304039	0	15	0	0	0	0	26041	2.614136986	4.902148528	3.923728324	1.249359824	NA	NA
chr1:17907047-17914974	exonic	ARHGEF10L	1	17907047	17914974	5	12	0	0	0	0	7927	2.736244303	4.969828906	3.640190752	1.365266066	0.17216944	0.998252924
chr11:115080293-115111140	exonic	CADM1	11	115080293	115111140	114	0	159	1	0	0	30847	46.17659792	8.098670733	2.961662098	2.734501933	0.006247473	0.998252924
chr6:29857484-29912174	exonic	HLA-A	6	29857484	29912174	0	0	151	0	0	0	54690	29.78762285	21.85361569	3.908251461	5.591660595	NA	NA

Supplementary 5

GENE1	TYPE1	GENE2	TYPE2
chr2:113057425-113082774	CIRCRNA	hsa-miR-873-5p	MICRORNA
chr8:141595218-141616013	CIRCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000132204	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000214039	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000225689	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000226816	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000229459	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000235056	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000236924	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000258548	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000266869	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000267804	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000269976	LINCRNA	hsa-miR-873-5p	MICRORNA
ENSG00000272312	LINCRNA	hsa-miR-873-5p	MICRORNA
chr5:94244955-94259726	CIRCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000189149	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000203635	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000223749	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000223956	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000224259	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000224652	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000225490	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000227066	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000229236	LINCRNA	hsa-miR-6811-5p	MICRORNA
ENSG00000231535	LINCRNA	hsa-miR-6811-5p	MICRORNA
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chr3:193177459-193179817	CIRC RNA	hsa-miR-3614-3p	MICRORNA
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hsa-miR-34c-5p	MICRORNA	ENSG00000259370	mRNA
hsa-miR-3614-3p	MICRORNA	ENSG00000259370	mRNA
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hsa-miR-449a	MICRORNA	ENSG00000259370	mRNA
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hsa-miR-4709-5p	MICRORNA	ENSG00000259370	mRNA
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hsa-miR-301b-3p	MICRORNA	ENSG00000125968	mRNA
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hsa-miR-542-3p	MICRORNA	ENSG00000125968	mRNA
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-0.930778759	0.021633732	MICRORNA_mRNA
-0.905073949	0.034604253	MICRORNA_mRNA
-0.963088055	0.00846574	MICRORNA_mRNA

Supplementary 6

The primers involved in this study are as follows:

1.miR-196a-3p^[1]:fold chang-9.843328306

miR-196a-3p:

F-primer:5'- CGGCAACAAGAAACUGC CUGAG-3'

R-primer:5'-CAGGCAGUUUCUUGUUGCCG UU-3'

U6:

F-primer :5'-GCTTCGGCAGCACATATACTAAAAT-3' ,

R-primer :5'-CAGGCAGUUUCUUGUUGCCG UU-3'

2. miR-300[2]fold chang 7.284084107

F-primer:UAUACAAGGGCAGACUCUCUCU;

R-primer:AGAGAGUCUGCCCUUGUAUAUU

3.miR-542-5P^[3]fold chang5.658159366

F-primer: 5'-GCGGTCGGGGATCATCATGTC

R-primer: 5'-ATCCAGTGCAGGGTCCGAGG

4.miR-34b-5P^[4]:fold chang 3.896564553

F-primer: 5'-AGGCAGUGUAAUUAGCUGAUUGU-3'

R-primer: 5'-AAUCAGCUAAUUACACUGCCUUU-3'

5.miR-205-5p^[5]fold chang 5.862530004

F-primer: ATCCAGTGCAGGGTCCGAGG

R-primer: ATTACGGTCCTTCATTCCACCGG

6.mRNA CLCA2^[6],fold chang 4.420609071

β-actin,

F-primer: 5'-CACCATTGGCAATGAGCGGTTC-3'

R-primer 5'- AGGTCTTTGCGGATGTCCACGT -3';

CLCA2,

F-primer: 5'-ACAGGCTGGTGACAAAGTG.GTC-3'

R-primer: 5'-ACTGGCAATGCCACGAAGGTA-3';

β-actin was used as the internal control for measuring the relative level of CLCA2.

7.mRNA MUC13^[7] : fold chang -7.023747882

MUC13:

F-primer:GAATTCATGAAAGCCATCATTTCATCTTACTC;

R-primer:CTCGAGATAGTCAGGGCGGGGCATGCTGCTG;

β-actin:

primer:AGAAGGAGATCACTGCCCTGGCACC;

R-primerCCTGCTTGCTGATCCACATCTGCTG.

β-actin was used as the internal control for measuring the relative level of muc13.

8.mRNA CYP24A1^[8]:fold chang-6.488609353

F-primer:TATCGCGACTACCGCAAAGA

R-primer:CGGCCAAGACCTCATTGATT

9.mRNA KDM5D^[9]:fold chang-11.85959483

F-prime:TAACACACACCCGTTTGACAA

R-primer:GCTGCTGAACTTTGAAGGCTG

10.mRNA CASR^[10]:fold chang 6.107240499

F-prime:ATGCCAAGAAGGGAGAAAGACTCTT
R-primer:TCAGGACACTCCACACACTCAAAG-3

11.LncRNA TINCR^[11]:fold chang -2.044176655

LncRNA TINCR

F-prime:5'-TGTGGCCCAAACCTCAGGGATACAT-3'
R-primer:5'-AGATGACAGTGGCTGGAGTTGTCA-3'

GAPDH

F-primer:5'-GCACCGTCAAGGCTGAGAAC-3'
R-primer:5'-ATGGTGGTGAAGACGCCAGT-3'

12.LINCO1133^[12]:fold chang 3.791235529

LINC01133

F-primer: 5'- TGGTGGAGAGAATGGAGG -3';
R-primer: 5'- AACCCAGTTCCTTAGAATCTTC -3'.

GAPDH

F-primer: 5'- CTCCTCCTGTTTCGACAGTCAGC -3';
R-primer: 5'- CCCAATACGACCAAATCCGTT -3

13.LINC00473^[13]:fold chang-6.836787401

LINC00473

F-primer: 5'-GGCAGCCTCAGGTTACAAAT-3'
R-primer: 5'-AGGAGCAGGTAGGGAAATGA-3'

GAPDH

F-primer: 5'-CCCCTCCTCCACCTTTGAC-3'
R-primer: 5'-ATACCAGGAAATGAGCTTGACAA-3'

14.LncRNA TTTY10^[14] fold chang -7.847888075

F-primer: TGCCTGTGAATCTTGAACAA
R-primerCCTGGTGTCTTTTGGAGTTACC

15.Lnc00994、 Lnc00523^[15] fold chang1.919358552、 -0.017400677

LINC00523:

F-primer:TTCCCTTCCCTGGTTCCCAA
R-primer:CTCTCACGCACAACCTGTT CAAG

LINC00994:

F-primer:GCTTGTCTCTTGAGTTGTCTCTTTC
R-primer:AAGACCTGTGCTCTAAATGTGTTT G

GAPDH

F-primer:TGCACCACCAACTGCTTAGC
R-primer:GGCATGGACTGTGGTCATGAG

16.circRNA ITCH^[16]fold chang 1.987763182

circ-ITCH

F-primer:GCAGAGGCCAACACTGGAA
R-primer:CCATGACCCCTTCATTGACC

GAPDH

F-primer:TCCTTGAAGCTGACTACGCTGAG C
R-primer:TTGATTTTGGAGGGATCTCG

17.circRNA-FOXO3^[17] :fold chang 1.701778762

circRNA-FOXO3

F-primer: 5'-GTGGGGAACCTCACTGGTGCTAAG-3'

R-primer:5'-GGGTTGATGATCCACCAAGAGCTCTT-3';

GAPDH

F-primer:TCCTTGAAGCTGACTACGCTGAG C

R-primer:TTGATTTTGGAGGGATCTCG

18.CircRNA HIPK3^[18]:fold chang -1.984826747

F-primer: cggaattcTGAAATATGCTATCTTACagGTATGGCCTCACAAGTCTTG

R-primer: cgggatccTCAAGAAAAAATATATTCacCTGTAGTACCGAGATTGTAG

19.Circ-UBR5^[19]:fold chang -2.676722948

F-primer:TAGTGGGCGCAGAAGCGTTGT

R-primer:CTTCTCCAGCCACACCCTCCAC

20.Circ-FARSA^[12]:fold chang 1.285259073

F-primer:5'-GCTCCTTCTGGAACCTTGAC-3'

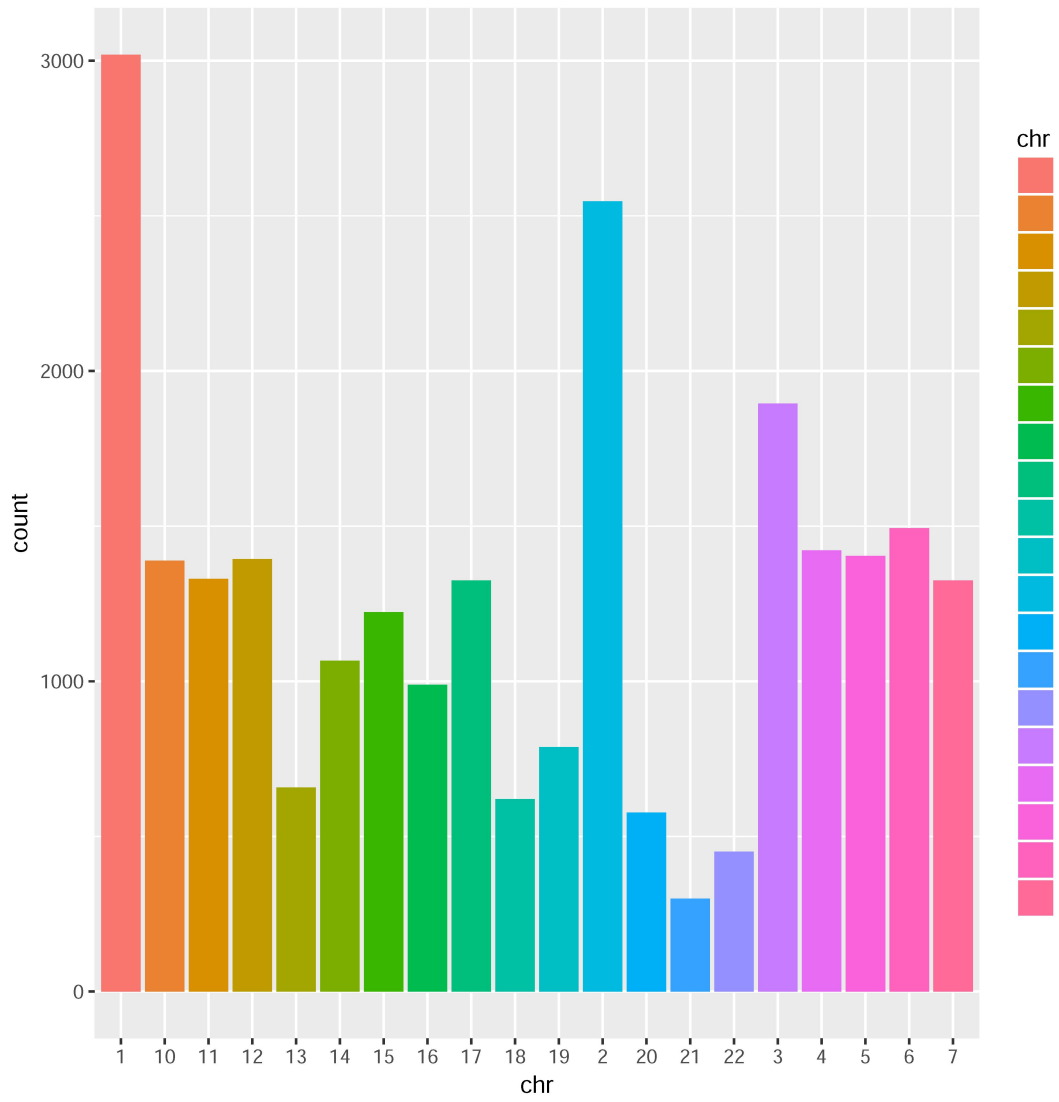
R-primer:5'-TTGCTCACCCAGTAGGTCTT- 3'

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Supplementary figure 1



Supplementary figure 1 The location of circRNAs on the chromosome.