

Supplementary Table 6. The differentially expressed genes in hsa_circ_0007444 knockdown SKOV3 cells compared with control SKOV3 cells.

gene id	gene name	locus	log2FC	Qvalue	updown
ENSG00000263244	AC087190.3 3prime_overlapping_ncRNA	16:9104848-9113181	-7.728577	4.61E-110	DOWN
ENSG00000285238	AC006064.6 protein_coding	12:6556886-6607367	Inf	1.09E-61	UP
ENSG00000256646	AC010132.3 protein_coding	7:42909273-42932174	7.150001	4.81E-53	UP
ENSG00000285897	AC004687.2 protein_coding	17:58345206-58417595	-6.91266	9.61E-45	DOWN
ENSG00000260108	AC026464.2 3prime_overlapping_ncRNA	16:69463844-69466264	-8.339035	2.06E-43	DOWN
ENSG00000254692	AL136295.1 protein_coding	14:24189157-24213473	#NAME?	1.85E-39	DOWN
ENSG00000241978	AKAP2 protein_coding	9:110048598-110172512	-3.391222	6.14E-39	DOWN
ENSG00000270181	BIVM-ERCC5 protein_coding	13:102799110-102875994	#NAME?	1.04E-36	DOWN
ENSG00000198211	AC092143.1 protein_coding	16:89919165-89936092	Inf	8.49E-35	UP
ENSG00000152291	TGOLN2 protein_coding	2:85318020-85328425	-2.903378	1.14E-34	DOWN
ENSG00000277957	SENP3-EIF4A1 protein_coding	17:7563287-7578715	-4.73096	3.93E-34	DOWN
ENSG00000267368	UPK3BL1 protein_coding	7:102637025-102642791	#NAME?	6.23E-34	DOWN
ENSG00000054598	FOXC1 protein_coding	6:1609972-1613897	2.938904	8.97E-31	UP
ENSG00000273294	C1QTNF3-AMACR protein_coding	5:33987174-34124528	Inf	1.22E-27	UP
ENSG00000250021	C15orf38-AP3S2 protein_coding	15:89834308-89912882	-2.954658	3.14E-26	DOWN
ENSG00000136997	MYC protein_coding	8:127735434-127741434	-3.091648	2.52E-25	DOWN
ENSG00000198346	ZNF813 protein_coding	19:53467735-53496255	3.406062	4.23E-24	UP
ENSG00000173598	NUDT4 protein_coding	12:93377883-93408146	2.821659	1.17E-23	UP
ENSG00000269955	C7orf55-LUC7L2 protein_coding	7:139341360-139422599	-2.719467	1.58E-23	DOWN
ENSG00000128872	TMOD2 protein_coding	15:51751561-51816368	-2.433351	5.81E-23	DOWN
ENSG00000167447	SMG8 protein_coding	17:59209400-59215247	2.509862	1.31E-22	UP
ENSG00000180574	EIF2S3B protein_coding	12:10505602-10523135	-2.979386	2.01E-22	DOWN
ENSG00000268861	AC008878.3 protein_coding	19:7382834-7472477	Inf	1.65E-21	UP
ENSG00000037749	MFAP3 protein_coding	5:154038906-154220478	2.431253	5.25E-21	UP
ENSG00000169871	TRIM56 protein_coding	7:101085439-101097967	-2.48564	5.79E-21	DOWN
ENSG00000168564	CDKN2AIP protein_coding	4:183444591-183448198	2.274414	4.71E-20	UP
ENSG00000102908	NFAT5 protein_coding	16:69565094-69704666	-2.205678	1.38E-19	DOWN
ENSG00000187664	HAPLN4 protein_coding	19:19255641-19262796	-2.43753	4.67E-19	DOWN
ENSG00000096654	ZNF184 protein_coding	6:27450743-27473118	2.389594	3.15E-18	UP
ENSG00000172466	ZNF24 protein_coding	18:35332212-35345482	1.982068	3.55E-18	UP
ENSG00000179195	ZNF664 protein_coding	12:123971845-124015439	1.965119	4.94E-18	UP
ENSG00000183778	B3GALT5 protein_coding	21:39556442-39673137	-2.3685	5.69E-18	DOWN
ENSG00000267645	AC105052.3 protein_coding	7:102637049-102671641	3.725554	6.94E-18	UP
ENSG00000189143	CLDN4 protein_coding	7:73799542-73832693	-3.741375	9.84E-18	DOWN
ENSG00000273003	ARL2-SNX15 protein_coding	11:65014182-65040570	4.743186	1.31E-17	UP
ENSG00000143570	SLC39A1 protein_coding	1:153959099-153968184	-2.064486	6.47E-17	DOWN
ENSG00000274810	NPHP3-ACAD11 protein_coding	3:132558142-132722459	2.93418	2.08E-16	UP
ENSG00000116044	NFE2L2 protein_coding	2:177227595-177392697	1.849104	9.21E-16	UP
ENSG00000124813	RUNX2 protein_coding	6:45328157-45664349	2.000365	1.08E-15	UP
ENSG00000196214	ZNF766 protein_coding	19:52269571-52296046	2.117052	3.60E-15	UP
ENSG00000224578	HNRNPA1P48 protein_coding	16:51553436-51647132	-1.864831	7.91E-15	DOWN
ENSG00000215837	SDHAP2 transcribed_unprocessed_pseudogene	3:195658096-195685904	#NAME?	2.15E-14	DOWN
ENSG00000244474	UGT1A4 protein_coding	2:233718778-233773299	4.735866	2.59E-14	UP
ENSG00000213699	SLC35F6 protein_coding	2:26764284-26781231	-1.883217	6.70E-14	DOWN

ENSG00000123643	SLC36A1 protein_coding	5:151437046-151492381	-1.968463	7.60E-14	DOWN
ENSG00000284681	AC007240.1 protein_coding	2:10122739-10199288	-2.614898	1.11E-13	DOWN
ENSG00000003989	SLC7A2 protein_coding	8:17497088-17570573	2.593299	1.14E-13	UP
ENSG00000181029	TRAPPC5 protein_coding	19:7680843-7687703	-2.312663	1.51E-13	DOWN
ENSG00000253797	UTP14C protein_coding	13:52024691-52033600	1.824555	2.99E-13	UP
ENSG00000131389	SLC6A6 protein_coding	3:14402576-14489349	1.80581	3.72E-13	UP
ENSG00000178974	FBXO34 protein_coding	14:55271303-55361918	-1.896443	4.72E-13	DOWN
ENSG00000267629	AC138430.1 processed_transcript	19:19254748-19273369	1.860691	9.96E-13	UP
ENSG00000207145	SNORA18 snoRNA	11:93733466-93733597	5.96286	1.02E-12	UP
ENSG00000257599	OVCH1-AS1 antisense	12:29389289-29487488	1.917702	1.36E-12	UP
ENSG00000185885	IFITM1 protein_coding	11:313506-315272	-2.293479	1.68E-12	DOWN
ENSG00000276057	RF01883 misc_RNA	22:30971296-30971382	-6.077123	1.95E-12	DOWN
ENSG00000110931	CAMKK2 protein_coding	12:121237691-121298308	1.702401	2.85E-12	UP
ENSG00000185619	PCGF3 protein_coding	4:705748-770640	1.666671	3.67E-12	UP
ENSG00000213225	NOC2LP1 transcribed_processed_pseudogene	2:130229379-130232106	4.168954	4.44E-12	UP
ENSG00000264324	AC006030.1 protein_coding	2:74211604-74363377	-3.050762	5.28E-12	DOWN
ENSG00000185684	EP400P1 transcribed_unprocessed_pseudogene	12:132084283-132131639	-2.076098	7.11E-12	DOWN
ENSG00000276612	FP565260.2 protein_coding	21:5116343-5133805	#NAME?	7.78E-12	DOWN
ENSG00000182648	LINC01006 lincRNA	7:156472196-156640654	3.053494	9.61E-12	UP
ENSG00000166128	RAB8B protein_coding	15:63189469-63267782	-1.724573	1.01E-11	DOWN
ENSG00000182774	RPS17 protein_coding	15:82536750-82540564	1.54636	2.20E-11	UP
ENSG00000109929	SC5D protein_coding	11:121292453-121308694	1.58821	2.29E-11	UP
ENSG00000110880	CORO1C protein_coding	12:108645109-108731596	-1.628264	2.60E-11	DOWN
ENSG00000284116	AL772307.1 processed_transcript	9:39983793-40106611	#NAME?	3.21E-11	DOWN
ENSG00000130956	HABP4 protein_coding	9:96450201-96491336	1.634139	3.52E-11	UP
ENSG00000198908	BHLHB9 protein_coding	X:102720688-102753540	-5.077824	3.66E-11	DOWN
ENSG00000254166	CASC19 processed_transcript	8:127072694-127227541	1.760557	5.07E-11	UP
ENSG00000135482	ZC3H10 protein_coding	12:56118159-56127514	-2.115201	5.60E-11	DOWN
ENSG00000285779	AL358472.7 protein_coding	1:153959151-153975887	Inf	5.67E-11	UP
ENSG00000062485	CS protein_coding	12:56271699-56300392	1.503855	1.08E-10	UP
ENSG00000143079	CTTNBP2NL protein_coding	1:112396181-112463456	1.552863	1.08E-10	UP
ENSG00000205213	LGR4 protein_coding	11:27365961-27472775	1.481193	1.78E-10	UP
ENSG00000259976	AC093010.3 3prime_overlapping_ncRNA	3:114314501-114329714	-1.696157	1.84E-10	DOWN
ENSG00000256500	AL139300.1 protein_coding	14:103562962-103685924	#NAME?	2.17E-10	DOWN
ENSG00000187210	GCNT1 protein_coding	9:76419850-76651203	-1.642466	2.19E-10	DOWN
ENSG00000255508	AP002990.1 protein_coding	11:62559603-62591531	1.647599	3.13E-10	UP
ENSG00000233327	USP32P2 transcribed_unprocessed_pseudogene	17:18511262-18525930	-3.112889	4.17E-10	DOWN
ENSG00000065802	ASB1 protein_coding	2:238426742-238452250	-1.611017	4.85E-10	DOWN
ENSG00000158186	MRAS protein_coding	3:138347648-138405534	1.799764	4.85E-10	UP
ENSG00000069812	HES2 protein_coding	1:6412418-6424670	2.090092	6.52E-10	UP
ENSG00000251537	AC005324.3 protein_coding	17:15571491-15651653	-2.92379	6.59E-10	DOWN
ENSG00000196247	ZNF107 protein_coding	7:64666083-64711582	-1.781422	8.59E-10	DOWN
ENSG00000282024	AL009031.1 antisense	6:16259101-16264553	Inf	9.30E-10	UP
ENSG00000118596	SLC16A7 protein_coding	12:59596067-59789855	-1.913095	9.58E-10	DOWN
ENSG00000213846	AC098614.1 transcribed_processed_pseudogene	3:27632976-27635427	1.500342	1.06E-09	UP
ENSG00000171016	PYGO1 protein_coding	15:55538890-55588947	1.538342	1.20E-09	UP
ENSG00000063978	RNF4 protein_coding	4:2462220-2625320	-1.570643	1.47E-09	DOWN

ENSG00000183479	TREX2 protein_coding	X:153444720-153470587	-5.644167	2.53E-09	DOWN
ENSG00000124222	STX16 protein_coding	20:58651253-58679526	1.398494	3.15E-09	UP
ENSG00000256349	AP002748.4 protein_coding	11:66509079-66533613	#NAME?	4.23E-09	DOWN
ENSG00000183291	SELENOF protein_coding	1:86862445-86914424	1.426871	4.84E-09	UP
ENSG00000198689	SLC9A6 protein_coding	X:135973841-136047269	-1.557824	7.36E-09	DOWN
ENSG00000112062	MAPK14 protein_coding	6:36027677-36111236	1.392303	7.42E-09	UP
ENSG00000277971	AC007731.4 protein_coding	22:20429241-20446620	3.359032	7.54E-09	UP
ENSG00000095752	IL11 protein_coding	19:55364389-55370463	1.909796	7.86E-09	UP
ENSG00000249471	ZNF324B protein_coding	19:58451604-58457833	-2.322835	9.20E-09	DOWN
ENSG00000153094	BCL2L11 protein_coding	2:111119378-111168447	1.867323	9.67E-09	UP
ENSG00000176624	MEX3C protein_coding	18:51174550-51218304	1.503659	1.13E-08	UP
ENSG00000284773	AC114490.3 protein_coding	1:34974356-34985313	#NAME?	1.13E-08	DOWN
ENSG00000196227	FAM217B protein_coding	20:59933764-59948680	1.533324	1.33E-08	UP
ENSG00000173402	DAG1 protein_coding	3:49468703-49535618	-1.438809	1.43E-08	DOWN
ENSG00000285269	AL160269.1 protein_coding	9:96235331-96352058	3.103353	1.65E-08	UP
ENSG00000103855	CD276 protein_coding	15:73683966-73714518	1.361782	1.79E-08	UP
ENSG00000131797	CLUHP3 transcribed_unprocessed_pseudogene	16:31700590-31711986	-1.973794	2.27E-08	DOWN
ENSG00000176597	B3GNT5 protein_coding	3:183253244-183298504	-1.452636	2.28E-08	DOWN
ENSG00000185730	ZNF696 protein_coding	8:143289676-143298061	-2.078926	2.33E-08	DOWN
ENSG00000256223	ZNF10 protein_coding	12:133130575-133159465	-1.654185	2.48E-08	DOWN
ENSG00000282034	AC106886.5 protein_coding	16:30704067-30745169	1.42744	2.55E-08	UP
ENSG00000198440	ZNF583 protein_coding	19:56397966-56436035	1.976119	2.88E-08	UP
ENSG00000132530	XAF1 protein_coding	17:6755447-6775647	-1.885799	3.81E-08	DOWN
ENSG00000196670	ZFP62 protein_coding	5:180847611-180861285	1.431796	4.73E-08	UP
ENSG00000255185	PDXDC2P transcribed_unprocessed_pseudogene	16:70010751-70065945	-2.812263	4.80E-08	DOWN
ENSG00000180089	TMEM86B protein_coding	19:55226639-55229264	2.166503	4.93E-08	UP
ENSG00000103426	CORO7-PAM16 protein_coding	16:4340251-4420494	Inf	5.06E-08	UP
ENSG00000146963	LUC7L2 protein_coding	7:139340359-139423457	1.330618	5.96E-08	UP
ENSG00000271672	DUXAP8 transcribed_processed_pseudogene	22:15826566-15827187	-4.608314	6.08E-08	DOWN
ENSG00000186272	ZNF17 protein_coding	19:57411163-57421939	2.098614	6.77E-08	UP
ENSG00000108468	CBX1 protein_coding	17:48070052-48101521	-1.359872	8.21E-08	DOWN
ENSG00000086062	B4GALT1 protein_coding	9:33104082-33167356	1.269049	8.59E-08	UP
ENSG00000213859	KCTD11 protein_coding	17:7351889-7354944	-1.875398	8.94E-08	DOWN
ENSG00000257524	AL157935.2 protein_coding	9:127867850-127906022	-1.69076	9.21E-08	DOWN
ENSG00000161888	SPC24 protein_coding	19:11131520-11155808	-1.482365	1.17E-07	DOWN
ENSG00000067082	KLF6 protein_coding	10:3775996-3785281	-1.346594	1.60E-07	DOWN
ENSG00000135823	STX6 protein_coding	1:180972712-181023121	-1.394741	1.61E-07	DOWN
ENSG00000198939	ZFP2 protein_coding	5:178895894-178933212	2.059612	1.64E-07	UP
ENSG00000197774	EME2 protein_coding	16:1773207-1781708	1.839414	2.00E-07	UP
ENSG00000187554	TLR5 protein_coding	1:223109406-223143282	-1.881354	2.03E-07	DOWN
ENSG00000078369	GNB1 protein_coding	1:1785285-1891117	1.219502	2.20E-07	UP
ENSG00000131174	COX7B protein_coding	X:77899438-77907373	-1.38137	2.34E-07	DOWN
ENSG00000113356	POLR3G protein_coding	5:90471748-90514553	-1.794173	2.94E-07	DOWN
ENSG00000157680	DGKI protein_coding	7:137381037-137847092	1.508079	3.50E-07	UP
ENSG00000243943	ZNF512 protein_coding	2:27582969-27623215	-1.368779	3.58E-07	DOWN
ENSG00000187689	AMTN protein_coding	4:70518540-70532742	1.244781	3.74E-07	UP
ENSG00000103066	PLA2G15 protein_coding	16:68245304-68261062	1.435895	3.74E-07	UP
ENSG00000285304	Z83844.3 protein_coding	22:37639693-37666932	Inf	3.97E-07	UP
ENSG00000099864	PALM protein_coding	19:708939-748329	1.243167	4.66E-07	UP

ENSG00000132603	NIP7 protein_coding	16:69337996-69343111	1.264453	6.21E-07	UP
ENSG00000134758	RNF138 protein_coding	18:32091855-32131561	1.243958	8.04E-07	UP
ENSG00000128422	KRT17 protein_coding	17:41619441-41624842	1.223759	8.47E-07	UP
ENSG00000135052	GOLM1 protein_coding	9:86026146-86100173	-1.276402	8.47E-07	DOWN
ENSG00000169255	B3GALNT1 protein_coding	3:161083883-161105384	-1.343531	9.73E-07	DOWN
ENSG00000183578	TNFAIP8L3 protein_coding	15:51056598-51105276	-1.931074	9.80E-07	DOWN
ENSG00000138758	SEPT11 protein_coding	4:76949703-77040384	1.184731	9.98E-07	UP
ENSG00000110881	ASIC1 protein_coding	12:50057548-50083611	1.632933	1.11E-06	UP
ENSG00000256966	AL513165.2 protein_coding	9:37512547-37592469	-2.050762	1.16E-06	DOWN
ENSG00000103769	RAB11A protein_coding	15:65726054-65891991	-1.293077	1.20E-06	DOWN
ENSG00000213689	TREX1 protein_coding	3:48465811-48467645	2.736023	1.34E-06	UP
ENSG00000072210	ALDH3A2 protein_coding	17:19648136-19677598	-1.307115	1.54E-06	DOWN
ENSG00000131943	C19orf12 protein_coding	19:29698886-29715789	1.337835	1.58E-06	UP
ENSG00000124243	BCAS4 protein_coding	20:50794894-50882676	1.410408	1.62E-06	UP
ENSG00000260534	AC100827.3 sense_overlapping	15:72589691-72591845	-3.130195	1.89E-06	DOWN
ENSG00000115461	IGFBP5 protein_coding	2:216672105-216695525	1.282775	1.92E-06	UP
ENSG00000177427	MIEF2 protein_coding	17:18260534-18266552	-1.648537	2.11E-06	DOWN
ENSG00000204967	PCDHA4 protein_coding	5:140806929-141012344	1.987504	2.65E-06	UP
ENSG00000241119	UGT1A9 protein_coding	2:233671853-233773300	3.162598	2.81E-06	UP
ENSG00000171928	TVP23B protein_coding	17:18780995-18806714	1.199159	3.20E-06	UP
ENSG00000168152	THAP9 protein_coding	4:82900684-82919969	-1.978917	3.32E-06	DOWN
ENSG00000285314	AC002470.2 processed_transcript	22:20979462-20998121	Inf	3.32E-06	UP
ENSG00000257529	RPL36A-HNRNPH2 protein_coding	X:101391011-101412297	1.284824	3.38E-06	UP
ENSG00000139436	GIT2 protein_coding	12:109929792-109996389	1.146999	3.41E-06	UP
ENSG00000189052	CGB5 protein_coding	19:49043884-49045311	1.241696	3.41E-06	UP
ENSG00000166197	NOLC1 protein_coding	10:102152176-102163871	1.184499	3.50E-06	UP
ENSG00000137094	DNAJB5 protein_coding	9:34989641-34998900	1.337878	3.76E-06	UP
ENSG00000120708	TGFB1 protein_coding	5:136028895-136063818	1.115549	3.76E-06	UP
ENSG00000149177	PTPRJ protein_coding	11:47980558-48170841	1.113359	4.02E-06	UP
ENSG00000204272	NBDY protein_coding	X:56729241-56818380	-1.398013	4.51E-06	DOWN
ENSG00000186260	MRTFB protein_coding	16:14071321-14266773	-1.274932	4.59E-06	DOWN
ENSG00000078699	CBFA2T2 protein_coding	20:33490075-33650036	-1.261898	4.83E-06	DOWN
ENSG00000236859	NIFK-AS1 antisense	2:121649650-121728481	1.530309	4.83E-06	UP
ENSG00000264772	AC016876.2 processed_transcript	17:7572826-7582024	-1.316018	4.83E-06	DOWN
ENSG00000108061	SHOC2 protein_coding	10:110919547-111013667	1.134406	5.40E-06	UP
ENSG00000237399	PITRM1-AS1 antisense	10:3141632-3167972	Inf	5.40E-06	UP
ENSG00000265818	EEF1E1-BLOC1S5 protein_coding	6:8015726-8102530	Inf	5.40E-06	UP
ENSG00000132912	DCTN4 protein_coding	5:150708440-150759109	-1.21418	5.50E-06	DOWN
ENSG00000111817	DSE protein_coding	6:116254173-116444860	-1.213054	5.82E-06	DOWN
ENSG00000187607	ZNF286A protein_coding	17:15699577-15720787	-1.43753	6.06E-06	DOWN
ENSG00000267216	AC020915.1 protein_coding	19:58278966-58315197	1.224627	6.46E-06	UP
ENSG00000188687	SLC4A5 protein_coding	2:74216242-74343414	2.12192	6.86E-06	UP
ENSG00000205423	CNEP1R1 protein_coding	16:50024410-50037088	1.202321	7.45E-06	UP
ENSG00000081059	TCF7 protein_coding	5:134114711-134151865	1.339444	8.57E-06	UP
ENSG00000146476	ARMT1 protein_coding	6:151452258-151470101	1.128523	8.66E-06	UP
ENSG00000233276	GPX1 polymorphic_pseudogene	3:49357171-49358600	-1.213232	8.96E-06	DOWN
ENSG00000073849	ST6GAL1 protein_coding	3:186930485-187078553	1.246077	9.79E-06	UP
ENSG00000215883	CYB5RL protein_coding	1:54169651-54200036	1.3872	1.03E-05	UP
ENSG00000117479	SLC19A2 protein_coding	1:169463909-169486003	-1.336865	1.06E-05	DOWN
ENSG00000279342	AP000866.6 sense_intronic	11:124789240-124792818	-2.644721	1.21E-05	DOWN

ENSG00000219529	AP000580.1 processed_pseudogene	11:77813319-77813676	-4.180895	1.29E-05	DOWN
ENSG00000244687	UBE2V1 protein_coding	20:50081124-50115959	-1.205892	1.36E-05	DOWN
ENSG00000175334	BANF1 protein_coding	11:66002079-66004149	1.075611	1.39E-05	UP
ENSG00000251867	AC009812.1 antisense	8:80484561-80486699	4.035023	1.59E-05	UP
ENSG00000125912	NCLN protein_coding	19:3185563-3209575	1.069294	1.62E-05	UP
ENSG00000119969	HELLS protein_coding	10:94501434-94613905	-1.262056	1.63E-05	DOWN
ENSG00000157823	AP3S2 protein_coding	15:89830599-89894638	1.104669	1.78E-05	UP
ENSG00000138381	ASNSD1 protein_coding	2:189661385-189670831	-1.233289	1.79E-05	DOWN
ENSG00000165449	SLC16A9 protein_coding	10:59650761-59736002	1.289441	1.81E-05	UP
ENSG00000253710	ALG11 protein_coding	13:52012398-52032171	-1.213863	1.94E-05	DOWN
ENSG00000181450	ZNF678 protein_coding	1:227563543-227677443	1.581808	2.12E-05	UP
ENSG00000163110	PDLIM5 protein_coding	4:94451857-94668227	-1.145887	2.19E-05	DOWN
ENSG00000070404	FSTL3 protein_coding	19:676365-683399	1.043996	2.25E-05	UP
ENSG00000128567	PODXL protein_coding	7:131500262-131558217	1.032438	2.30E-05	UP
ENSG00000167291	TBC1D16 protein_coding	17:79932343-80035848	1.048841	2.34E-05	UP
ENSG00000073803	MAP3K13 protein_coding	3:185282941-185489097	1.207328	2.45E-05	UP
ENSG00000100697	DICER1 protein_coding	14:95086228-95158010	-1.145479	2.53E-05	DOWN
ENSG00000118523	CTGF protein_coding	6:131948176-131951373	1.105588	2.53E-05	UP
ENSG00000269837	IPO5P1 transcribed_processed_pseudogene	19:23255053-23257939	1.612588	2.62E-05	UP
ENSG00000267059	AC005943.1 protein_coding	19:1578339-1605445	Inf	2.63E-05	UP
ENSG00000104827	CGB3 protein_coding	19:49022869-49024333	1.890119	2.85E-05	UP
ENSG00000211448	DIO2 protein_coding	14:80197527-80387757	2.631287	2.85E-05	UP
ENSG00000131165	CHMP1A protein_coding	16:89644431-89657845	-1.168627	2.87E-05	DOWN
ENSG00000160932	LY6E protein_coding	8:143017982-143023832	1.192532	2.92E-05	UP
ENSG00000167842	MIS12 protein_coding	17:5486285-5490814	1.167002	3.03E-05	UP
ENSG00000169499	PLEKHA2 protein_coding	8:38901235-38973909	1.08712	3.08E-05	UP
ENSG00000172840	PDP2 protein_coding	16:66878589-66895754	1.124267	3.24E-05	UP
ENSG00000119844	AFTPH protein_coding	2:64524305-64593005	-1.176895	3.36E-05	DOWN
ENSG00000276599	RNA5SP411 rRNA_pseudogene	16:35746523-35746636	4.63165	3.36E-05	UP
ENSG00000165156	ZHX1 protein_coding	8:123248451-123275541	-1.254073	3.41E-05	DOWN
ENSG00000251349	MSANTD3-TMEFF1 protein_coding	9:100442271-100577636	1.210573	3.61E-05	UP
ENSG00000108639	SYNGR2 protein_coding	17:78168558-78173527	1.052813	3.62E-05	UP
ENSG00000066629	EML1 protein_coding	14:99737693-99942060	1.067018	3.81E-05	UP
ENSG00000148773	MKI67 protein_coding	10:128096659-128126385	-1.10297	4.08E-05	DOWN
ENSG00000169105	CHST14 protein_coding	15:40470998-40474571	1.082439	4.33E-05	UP
ENSG00000198431	TXNRD1 protein_coding	12:104215779-104350305	-1.098893	4.35E-05	DOWN
ENSG00000244045	TMEM199 protein_coding	17:28357581-28363683	-1.221217	4.35E-05	DOWN
ENSG00000257046	AC011604.2 protein_coding	12:20815674-21090245	#NAME?	4.37E-05	DOWN
ENSG00000100354	TNRC6B protein_coding	22:40044817-40335808	-1.121134	4.87E-05	DOWN
ENSG00000254332	AF201337.1 processed_pseudogene	8:69129598-69130345	1.355218	4.87E-05	UP
ENSG00000186594	MIR22HG lincRNA	17:1711493-1717174	1.199365	5.17E-05	UP
ENSG00000147789	ZNF7 protein_coding	8:144827464-144847509	-1.265976	5.32E-05	DOWN
ENSG00000277342	AC048344.4 sense_intronic	12:32109076-32109602	-2.782375	5.39E-05	DOWN
ENSG00000283189	AC104452.1 protein_coding	3:49416777-49429314	-5.022687	5.41E-05	DOWN
ENSG00000119862	LGALSL protein_coding	2:64453969-64461381	1.089902	5.45E-05	UP
ENSG00000235501	AC105942.1 antisense	1:94927566-94963270	2.940189	5.74E-05	UP
ENSG00000274769	AC016747.4 processed_transcript	2:61115787-61164825	2.940189	5.74E-05	UP
ENSG00000109501	WFS1 protein_coding	4:6269849-6303265	-1.231777	5.77E-05	DOWN

ENSG00000285283	AL035078.4 protein_coding	11:31812391-32104665	-1.216357	6.33E-05	DOWN
ENSG00000137673	MMP7 protein_coding	11:102520508-102530753	1.037545	6.87E-05	UP
ENSG00000141968	VAV1 protein_coding	19:6772714-6857366	-1.966721	6.87E-05	DOWN
ENSG00000178150	ZNF114 protein_coding	19:48270102-48287608	-1.574924	6.87E-05	DOWN
ENSG00000268941	LINC01711 lincRNA	20:58634772-58635738	1.156796	7.56E-05	UP
ENSG00000137504	CREBZF protein_coding	11:85659708-85682908	-1.118976	7.75E-05	DOWN
ENSG00000196417	ZNF765 protein_coding	19:53389793-53430413	1.09218	7.75E-05	UP
ENSG00000185127	C6orf120 protein_coding	6:169702190-169704856	-1.130213	8.05E-05	DOWN
ENSG00000171700	RGS19 protein_coding	20:64073181-64079988	1.243485	8.86E-05	UP
ENSG00000185947	ZNF267 protein_coding	16:31873758-31917357	1.239019	8.87E-05	UP
ENSG00000109062	SLC9A3R1 protein_coding	17:74748652-74769353	1.108325	9.09E-05	UP
ENSG00000154144	TBRG1 protein_coding	11:124622836-124635398	1.027062	9.84E-05	UP
ENSG00000063046	EIF4B protein_coding	12:53006158-53042209	-1.065969	0.0001	DOWN
ENSG00000196724	ZNF418 protein_coding	19:57921884-57935393	-1.273945	0.000114	DOWN
ENSG00000143742	SRP9 protein_coding	1:225777813-225790466	-1.061003	0.000118	DOWN
ENSG00000168461	RAB31 protein_coding	18:9708165-9862551	1.026292	0.000121	UP
ENSG00000273088	AL713999.1 protein_coding	1:155169409-155187272	Inf	0.000128	UP
ENSG00000159202	UBE2Z protein_coding	17:48908369-48929056	-1.063477	0.000135	DOWN
ENSG00000162430	SELENON protein_coding	1:25800176-25818224	-1.062239	0.000135	DOWN
ENSG00000105472	CLEC11A protein_coding	19:50723329-50725718	3.847389	0.000136	UP
ENSG00000261324	AC010168.2 sense_overlapping	12:14762504-14767931	-3.277138	0.000136	DOWN
ENSG00000103540	CCP110 protein_coding	16:19523811-19553408	1.014379	0.000138	UP
ENSG00000164530	PII6 protein_coding	6:36948263-36964837	1.042926	0.000138	UP
ENSG00000186815	TPCN1 protein_coding	12:113221050-113298585	-1.089051	0.000145	DOWN
ENSG00000243660	ZNF487 protein_coding	10:43436841-43483179	1.596007	0.000145	UP
ENSG00000179772	FOXS1 protein_coding	20:31844301-31845619	1.083527	0.000157	UP
ENSG00000261611	AC010547.4 protein_coding	16:71447600-71489311	-1.530184	0.000159	DOWN
ENSG00000138443	ABI2 protein_coding	2:203328219-203447723	-1.080756	0.000166	DOWN
ENSG00000241635	UGT1A1 protein_coding	2:233760248-233773299	2.217756	0.000166	UP
ENSG00000172922	RNASEH2C protein_coding	11:65714005-65720947	-1.091172	0.000171	DOWN
ENSG00000248592	TMEM110- MUSTN1 protein_coding	3:52833121-52897562	-1.666822	0.000171	DOWN
ENSG00000213030	CGB8 protein_coding	19:49047638-49049106	1.225845	0.000185	UP
ENSG00000002834	LASP1 protein_coding	17:38869859-38921770	-1.037819	0.000191	DOWN
ENSG00000269897	COMMD3-BMI1 protein_coding	10:22316388-22329542	-1.804733	0.000192	DOWN
ENSG00000198105	ZNF248 protein_coding	10:37776526-37858106	1.07715	0.000193	UP
ENSG00000251357	AP000350.4 protein_coding	22:23862188-23895223	-1.868816	0.0002	DOWN
ENSG00000153487	ING1 protein_coding	13:110712736-110723339	-1.110794	0.000212	DOWN
ENSG00000283932	AL121722.1 protein_coding	20:22560553-22584261	#NAME?	0.000212	DOWN
ENSG00000165102	HGSNAT protein_coding	8:43140455-43202855	-1.04629	0.000229	DOWN
ENSG00000167131	CCDC103 protein_coding	17:44899142-44905390	1.741263	0.000233	UP
ENSG00000087494	PTHLH protein_coding	12:27958084-27972705	1.316269	0.000248	UP
ENSG00000262919	CCNQ protein_coding	X:153587919-153600045	1.085839	0.000248	UP
ENSG00000260272	AC093525.2 protein_coding	16:2496032-2520218	-1.203483	0.00025	DOWN
ENSG00000106144	CASP2 protein_coding	7:143288215-143307696	1.046787	0.000271	UP
ENSG00000258461	AC012651.1 protein_coding	15:42348103-42412317	-1.831888	0.000271	DOWN
ENSG00000186063	AIDA protein_coding	1:222668013-222713210	1.003703	0.0003	UP
ENSG00000260170	AC090527.2 protein_coding	15:45587351-45676314	-1.339544	0.000323	DOWN
ENSG00000172264	MACROD2 protein_coding	20:13995369-16053197	1.184933	0.000333	UP
ENSG00000260914	AC026464.4 protein_coding	16:69299682-69322700	2.092126	0.000333	UP
ENSG00000279472	AC244517.8 processed_transcript	5:141177849-141182369	2.615805	0.000333	UP
ENSG00000181634	TNFSF15 protein_coding	9:114784635-114806126	2.349517	0.000339	UP

ENSG00000181191	PJA1 protein_coding	X:69160851-69165793	1.020576	0.000347	UP
ENSG00000177034	MTX3 protein_coding	5:79976731-79991265	-1.03596	0.000355	DOWN
ENSG00000248871	TNFSF12- TNFSF13 protein_coding	17:7549099-7561601	Inf	0.00036	UP
ENSG00000137413	TAF8 protein_coding	6:42050513-42087461	1.015266	0.000369	UP
ENSG00000174574	AKIRIN1 protein_coding	1:38991223-39006059	-1.036376	0.000396	DOWN
ENSG00000071073	MGAT4A protein_coding	2:98619106-98731126	-1.08631	0.000399	DOWN
ENSG00000137814	HAUS2 protein_coding	15:42548810-42569994	-1.076528	0.000417	DOWN
ENSG00000204682	CASC10 protein_coding	10:21492658-21497262	1.21588	0.000459	UP
ENSG00000273000	AP000347.2 processed_transcript	22:23652860-23717347	-1.527226	0.000488	DOWN
ENSG00000127774	EMC6 protein_coding	17:3668815-3669668	1.040158	0.000506	UP
ENSG00000251664	PCDHA12 protein_coding	5:140875302-141012344	-1.215942	0.000506	DOWN
ENSG00000251201	TMED7-TICAM2 protein_coding	5:115578642-115626161	-1.035903	0.00053	DOWN
ENSG00000164749	HNF4G protein_coding	8:75407914-75566843	1.18662	0.000535	UP
ENSG00000138311	ZNF365 protein_coding	10:62374192-62670301	1.102322	0.000537	UP
ENSG00000253522	MIR3142HG lincRNA	5:160438594-160487426	-2.644774	0.000562	DOWN
ENSG00000091831	ESR1 protein_coding	6:151656691-152129619	-1.049841	0.000591	DOWN
ENSG00000178252	WDR6 protein_coding	3:49007062-49015953	1.00302	0.0006	UP
ENSG00000122490	PQLC1 protein_coding	18:79902420-79951664	-1.037975	0.000605	DOWN
ENSG00000274049	INO80B-WBP1 protein_coding	2:74455088-74460884	Inf	0.000612	UP
ENSG00000280165	PCDH20 protein_coding	13:61409685-61415522	Inf	0.000612	UP
ENSG00000281039	AC005154.5 protein_coding	7:30497077-30550761	Inf	0.000612	UP
ENSG00000174796	THAP6 protein_coding	4:75513946-75550473	-1.099005	0.000618	DOWN
ENSG00000109846	CRYAB protein_coding	11:111908565-111923722	1.133786	0.000674	UP
ENSG00000243207	PPAN-P2RY11 protein_coding	19:10106223-10114780	-1.156208	0.000674	DOWN
ENSG00000250482	DUX4L51 processed_pseudogene	5:31249879-31250987	1.429219	0.000689	UP
ENSG00000111261	MANSC1 protein_coding	12:12326056-12350541	1.087666	0.000702	UP
ENSG00000125846	ZNF133 protein_coding	20:18288283-18316996	-1.191348	0.000717	DOWN
ENSG00000156466	GDF6 protein_coding	8:96142330-96160792	1.330596	0.000782	UP
ENSG00000198517	MAFK protein_coding	7:1530714-1543043	-1.118888	0.000804	DOWN
ENSG00000123411	IKZF4 protein_coding	12:56007659-56038435	-1.280301	0.000855	DOWN
ENSG00000144134	RABL2A protein_coding	2:113627229-113643396	-1.071841	0.000922	DOWN
ENSG00000116138	DNAJC16 protein_coding	1:15526813-15592379	-1.009385	0.000943	DOWN
ENSG00000142661	MYOM3 protein_coding	1:24056035-24112175	1.008875	0.000943	UP
ENSG00000171403	KRT9 protein_coding	17:41565841-41572058	1.836368	0.000945	UP
ENSG00000259171	AL163636.2 protein_coding	14:20684587-20700576	1.572466	0.000961	UP
ENSG00000172465	TCEAL1 protein_coding	X:103628704-103630953	-1.100463	0.000976	DOWN
ENSG00000255073	ZFP91-CNTF protein_coding	11:58579172-58624639	Inf	0.001052	UP
ENSG00000283251	AC008687.7 transcribed_unprocess ed_pseudogene	19:49056088-49058761	Inf	0.001052	UP
ENSG00000172954	LCLAT1 protein_coding	2:30447226-30644225	-1.000282	0.001054	DOWN
ENSG00000188735	TMEM120B protein_coding	12:121712752-121783001	-1.092631	0.001201	DOWN
ENSG00000089818	NECAP1 protein_coding	12:8076939-8097859	1.036601	0.001335	UP
ENSG00000175414	ARL10 protein_coding	5:176365468-176401865	1.371742	0.001407	UP
ENSG00000267426	AC087289.3 protein_coding	17:75898645-75930129	1.736023	0.001407	UP
ENSG00000259080	AC074091.1 processed_transcript	2:27583046-27635174	1.386557	0.001415	UP
ENSG00000180035	ZNF48 protein_coding	16:30378106-30400108	-1.083187	0.001435	DOWN
ENSG00000261553	AL137782.1 processed_transcript	13:75549773-75807120	-1.570759	0.001506	DOWN
ENSG00000164898	FMC1 protein_coding	7:139339457-139346319	1.15676	0.001536	UP
ENSG00000271880	AGAP11 processed_transcript	10:86970741-87010126	3.092027	0.001645	UP
ENSG00000203667	COX20 protein_coding	1:244835322-244845057	-1.071148	0.001738	DOWN
ENSG00000285943	AC112128.1 protein_coding	3:113361901-113515151	1.476839	0.001872	UP

ENSG00000278500	AC009336.2 protein_coding	2:176151085-176173097	-1.391899	0.001911	DOWN
ENSG00000177614	PGBD5 protein_coding	1:230314482-230426371	1.251607	0.002086	UP
ENSG00000157613	CREB3L1 protein_coding	11:46277661-46321422	1.233541	0.002206	UP
ENSG00000132359	RAP1GAP2 protein_coding	17:2755705-3037739	-1.038241	0.002215	DOWN
ENSG00000264230	ANXA8L1 protein_coding	10:46375627-46391784	1.296055	0.002221	UP
ENSG00000064763	FAR2 protein_coding	12:29149103-29340980	-1.172432	0.002535	DOWN
ENSG00000144182	LIPT1 protein_coding	2:99154955-99163157	1.391387	0.002646	UP
ENSG00000136155	SCEL protein_coding	13:77535674-77645263	-1.879285	0.002708	DOWN
ENSG00000159261	CLDN14 protein_coding	21:36460621-36576569	1.1767	0.002889	UP
ENSG00000283765	AC131160.1 protein_coding	3:183815568-183884889	1.603169	0.002984	UP
ENSG00000206195	DUXAP8 processed_transcript	22:15784959-15829984	-1.223324	0.003168	DOWN
ENSG00000231369	Z97353.1 processed_pseudogene	22:26886909-26887548	Inf	0.003178	UP
ENSG00000124216	SNAI1 protein_coding	20:49982999-49988886	1.061054	0.003472	UP
ENSG00000108963	DPH1 protein_coding	17:2030110-2043430	-1.014434	0.003583	DOWN
ENSG00000284057	AP001273.2 protein_coding	11:93741664-93812378	1.262104	0.003624	UP
ENSG00000135925	WNT10A protein_coding	2:218880363-218899581	1.0738	0.003686	UP
ENSG00000276115	AC026356.2 sense_intronic	12:32352349-32354144	-2.469683	0.003719	DOWN
ENSG00000146966	DENND2A protein_coding	7:140518420-140673993	1.302724	0.004326	UP
ENSG00000197405	C5AR1 protein_coding	19:47290023-47322066	1.999108	0.004347	UP
ENSG00000100311	PDGFB protein_coding	22:39223359-39244751	1.352282	0.004695	UP
ENSG00000212643	ZRSR2P1 transcribed_processed_pseudogene	5:112891610-112893079	-1.796787	0.004749	DOWN
ENSG00000166435	XRRA1 protein_coding	11:74807739-74949200	-1.024569	0.004807	DOWN
ENSG00000258555	SPECC1L-ADORA2A protein_coding	22:24270898-24442356	1.200717	0.004812	UP
ENSG00000214575	CPEB1 protein_coding	15:82543201-82648861	-1.295388	0.00494	DOWN
ENSG00000101695	RNF125 protein_coding	18:32018372-32073213	2.069407	0.005038	UP
ENSG00000130294	KIF1A protein_coding	2:240713761-240821036	1.966634	0.005335	UP
ENSG00000284691	AC073111.5 protein_coding	7:150400702-150412470	-2.111352	0.005335	DOWN
ENSG00000183785	TUBA8 protein_coding	22:18110331-18146554	Inf	0.005362	UP
ENSG00000197991	AL592490.1 protein_coding	13:61409858-61427849	#NAME?	0.005362	DOWN
ENSG00000239665	AL157392.3 processed_transcript	10:13631143-13668445	-1.057717	0.005441	DOWN
ENSG00000227295	ELL2P1 processed_pseudogene	1:158175850-158177755	-1.767647	0.00616	DOWN
ENSG00000223612	AC241585.1 processed_pseudogene	1:145233001-145233519	1.131696	0.006264	UP
ENSG00000254656	RTL1 protein_coding	14:100879753-100903722	3.37788	0.006593	UP
ENSG00000259516	ANP32AP1 transcribed_processed_pseudogene	15:35181799-35238197	-1.515526	0.007117	DOWN
ENSG00000196876	SCN8A protein_coding	12:51590266-51812864	1.119157	0.007415	UP
ENSG00000273373	AL355488.1 antisense	1:110370154-110373003	-1.085822	0.008377	DOWN
ENSG00000250305	TRMT9B protein_coding	8:12945642-13031503	-1.306379	0.00868	DOWN
ENSG00000242689	CNTF protein_coding	11:58622673-58625733	-1.381739	0.009012	DOWN
ENSG00000189056	RELN protein_coding	7:103471784-103989516	Inf	0.009283	UP
ENSG00000260482	AC008870.1 3prime_overlapping_ncRNA	16:23670011-23675499	#NAME?	0.009283	DOWN
ENSG00000285625	AC117378.1 protein_coding	12:56714612-56741535	#NAME?	0.009283	DOWN
ENSG00000085644	ZNF213 protein_coding	16:3129777-3142805	-1.006923	0.009482	DOWN
ENSG00000272589	ZSWIM8-AS1 antisense	10:73796514-73801399	-2.088307	0.009629	DOWN
ENSG00000282907	Z98883.1 processed_transcript	16:568837-576257	1.999021	0.009629	UP
ENSG00000196628	TCF4 protein_coding	18:55222331-55664787	-1.545259	0.009656	DOWN
ENSG00000265690	AC074143.1 protein_coding	16:67163385-67165815	1.899523	0.010034	UP
ENSG00000156222	SLC28A1 protein_coding	15:84884654-84945796	-2.715277	0.010049	DOWN

ENSG00000187630	DHRS4L2 protein_coding	14:23969874-24006408	-1.124912	0.010089	DOWN
ENSG00000285815	WRB-SH3BGR protein_coding	21:39380332-39515506	-1.673354	0.010128	DOWN
ENSG00000152822	GRM1 protein_coding	6:146027646-146437598	1.814663	0.010165	UP
ENSG00000215417	MIR17HG processed_transcript	13:91347820-91354579	-1.870353	0.010165	DOWN
ENSG00000137285	TUBB2B protein_coding	6:3224261-3231730	1.909831	0.010325	UP
ENSG00000198794	SCAMP5 protein_coding	15:74957219-75021496	1.909831	0.010325	UP
ENSG00000183935	HTR7P1 transcribed_processed_pseudogene	12:13000420-13004830	1.082121	0.0106	UP
ENSG00000285547	AL133500.1 protein_coding	X:72301691-72572843	-2.985651	0.011422	DOWN
ENSG00000089820	ARHGAP4 protein_coding	X:153907367-153934999	3.847389	0.011688	UP
ENSG00000231784	DBIL5P transcribed_unitary_pseudogene	17:752660-755336	3.847389	0.011688	UP
ENSG00000213999	MEF2B protein_coding	19:19145568-19170289	-1.211824	0.011905	DOWN
ENSG00000253293	HOXA10 protein_coding	7:27170591-27180261	-1.072044	0.012397	DOWN
ENSG00000126903	SLC10A3 protein_coding	X:154487306-154490690	-1.051555	0.012608	DOWN
ENSG00000172000	ZNF556 protein_coding	19:2867335-2883445	2.535077	0.014085	UP
ENSG00000116990	MYCL protein_coding	1:39895426-39902256	1.278069	0.01439	UP
ENSG00000184838	PRR16 protein_coding	5:120464278-120687332	1.095843	0.01439	UP
ENSG00000280734	LINC01232 processed_transcript	13:99486962-99499306	-1.190423	0.014406	DOWN
ENSG00000164616	FBXL21 transcribed_unitary_pseudogene	5:135930317-135951591	1.318714	0.014755	UP
ENSG00000242735	RPSAP26 processed_pseudogene	2:62146413-62147153	3.262407	0.014986	UP
ENSG00000275302	CCL4 protein_coding	17:36103590-36105621	-2.644832	0.014986	DOWN
ENSG00000243696	AC006254.1 protein_coding	3:52813282-52835729	-1.492803	0.015048	DOWN
ENSG00000249319	AC068533.4 protein_coding	7:66087761-66152277	Inf	0.01527	UP
ENSG00000261270	AC012181.2 sense_intronic	16:56940278-56941342	-2.270369	0.01527	DOWN
ENSG00000272884	AC113189.4 processed_transcript	17:7439506-7445966	Inf	0.01527	UP
ENSG00000278879	AP000560.1 TEC	11:74830574-74832510	#NAME?	0.01527	DOWN
ENSG00000284671	AC009093.9 transcribed_unprocessed_pseudogene	16:29075022-29104162	-1.124297	0.015787	DOWN
ENSG00000266709	AC005224.4 lincRNA	17:14303854-14305505	1.064174	0.016608	UP
ENSG00000175938	ORAI3 protein_coding	16:30949066-30956461	-1.157432	0.01678	DOWN
ENSG00000197816	CCDC180 protein_coding	9:97307304-97378524	1.414086	0.01678	UP
ENSG00000145242	EPHA5 protein_coding	4:65319563-65670495	2.999384	0.017393	UP
ENSG00000151303	AL136982.1 processed_transcript	10:86992406-87010203	-3.492862	0.017393	DOWN
ENSG00000272703	AP005137.2 antisense	18:11857155-11857554	2.999384	0.017393	UP
ENSG00000272410	AC022384.1 protein_coding	3:10249372-10285796	-2.000863	0.017494	DOWN
ENSG00000255663	AP002373.1 protein_coding	11:114400682-114443932	1.772354	0.017734	UP
ENSG00000235703	LINC00894 antisense	X:149938628-150224580	1.245435	0.021001	UP
ENSG00000262633	AC005670.2 protein_coding	17:46923133-47049932	1.245435	0.021001	UP
ENSG00000276850	AC245041.2 lincRNA	10:47908064-47991850	2.262152	0.021589	UP
ENSG00000128604	IRF5 protein_coding	7:128937612-128950035	-1.252466	0.023949	DOWN
ENSG00000184564	SLITRK6 protein_coding	13:85792787-85806683	1.886533	0.024026	UP
ENSG00000148671	ADIRF protein_coding	10:86968192-86983934	#NAME?	0.025955	DOWN
ENSG00000162641	AKNAD1 protein_coding	1:108815898-108858228	#NAME?	0.025955	DOWN
ENSG00000100918	REC8 protein_coding	14:24171853-24180257	-1.282205	0.026413	DOWN
ENSG00000231234	SKP1P1 transcribed_processed_pseudogene	7:66423405-66423893	-2.825222	0.027051	DOWN
ENSG00000233396	LINC01719 lincRNA	1:146052566-146061948	2.92535	0.027051	UP
ENSG00000258791	LINC00520 lincRNA	14:55781132-55796731	-2.261529	0.029084	DOWN
ENSG00000131435	PDLIM4 protein_coding	5:132257671-132273454	3.677474	0.030091	UP
ENSG00000164393	ADGRF2 protein_coding	6:47656436-47697797	3.677474	0.030091	UP

ENSG00000201129	SNORA58B snoRNA	1:154259727-154259862	3.677474	0.030091	UP
ENSG00000242366	UGT1A8 protein_coding	2:233617645-233773310	-1.644781	0.030091	DOWN
ENSG00000233435	AGGF1P2 processed_pseudogene	10:133640789-133642894	1.224613	0.030435	UP
ENSG00000137033	IL33 protein_coding	9:6215786-6257983	-1.709882	0.032232	DOWN
ENSG00000259370	AC103740.1 antisense	15:62827675-62884034	1.677166	0.032232	UP
ENSG00000205420	KRT6A protein_coding	12:52487174-52493257	1.957162	0.032618	UP
ENSG00000242779	ZNF702P transcribed_processed_pseudogene	19:52968251-53037898	1.165878	0.032618	UP
ENSG00000166546	BEAN1 protein_coding	16:66427297-66493529	1.432079	0.033123	UP
ENSG00000178462	TUBAL3 protein_coding	10:5393098-5404830	-1.524493	0.033123	DOWN
ENSG00000131089	ARHGEF9 protein_coding	X:63634967-63809274	1.128851	0.03314	UP
ENSG00000125122	LRRC29 protein_coding	16:67207139-67227048	3.136881	0.033395	UP
ENSG00000166839	ANKDD1A protein_coding	15:64911902-64958700	1.282872	0.035026	UP
ENSG00000229809	ZNF688 protein_coding	16:30569346-30572734	1.336114	0.036313	UP
ENSG00000110628	SLC22A18 protein_coding	11:2899721-2925246	-1.478154	0.03805	DOWN
ENSG00000241489	AC244197.3 protein_coding	X:149482543-149533935	-1.478154	0.03805	DOWN
ENSG00000165323	FAT3 protein_coding	11:92352096-92896470	1.149192	0.038479	UP
ENSG00000205426	KRT81 protein_coding	12:52285913-52291534	1.067597	0.039346	UP
ENSG00000227214	HCG15 antisense	6:28986203-28987484	-2.197413	0.041431	DOWN
ENSG00000179300	RTL3 protein_coding	X:78656069-78659328	2.847389	0.041656	UP
ENSG00000187187	ZNF546 protein_coding	19:39984134-40021041	-1.038128	0.042275	DOWN
ENSG00000061337	LZTS1 protein_coding	8:20246165-20303963	2.162573	0.04325	UP
ENSG00000070731	ST6GALNAC2 protein_coding	17:76565379-76586956	#NAME?	0.043793	DOWN
ENSG00000268083	AC008982.1 protein_coding	19:38817471-38840178	Inf	0.043793	UP
ENSG00000166407	LMO1 protein_coding	11:8224304-8268716	1.869704	0.044203	UP
ENSG00000130675	MNX1 protein_coding	7:156994051-157010651	1.484501	0.045526	UP
ENSG00000258984	UBE2F-SCLY protein_coding	2:237967014-238099412	1.052654	0.045588	UP
ENSG00000149582	TMEM25 protein_coding	11:118531041-118547280	-4.022687	0.047483	DOWN
ENSG00000268041	AC010616.1 protein_coding	19:41907705-41928516	3.584323	0.047483	UP
ENSG00000011465	DCN protein_coding	12:91140484-91183123	1.309432	0.049564	UP
ENSG00000095303	PTGS1 protein_coding	9:122370530-122395703	-1.102741	0.049564	DOWN
ENSG00000170417	TMEM182 protein_coding	2:102736905-103019900	-1.570759	0.049564	DOWN