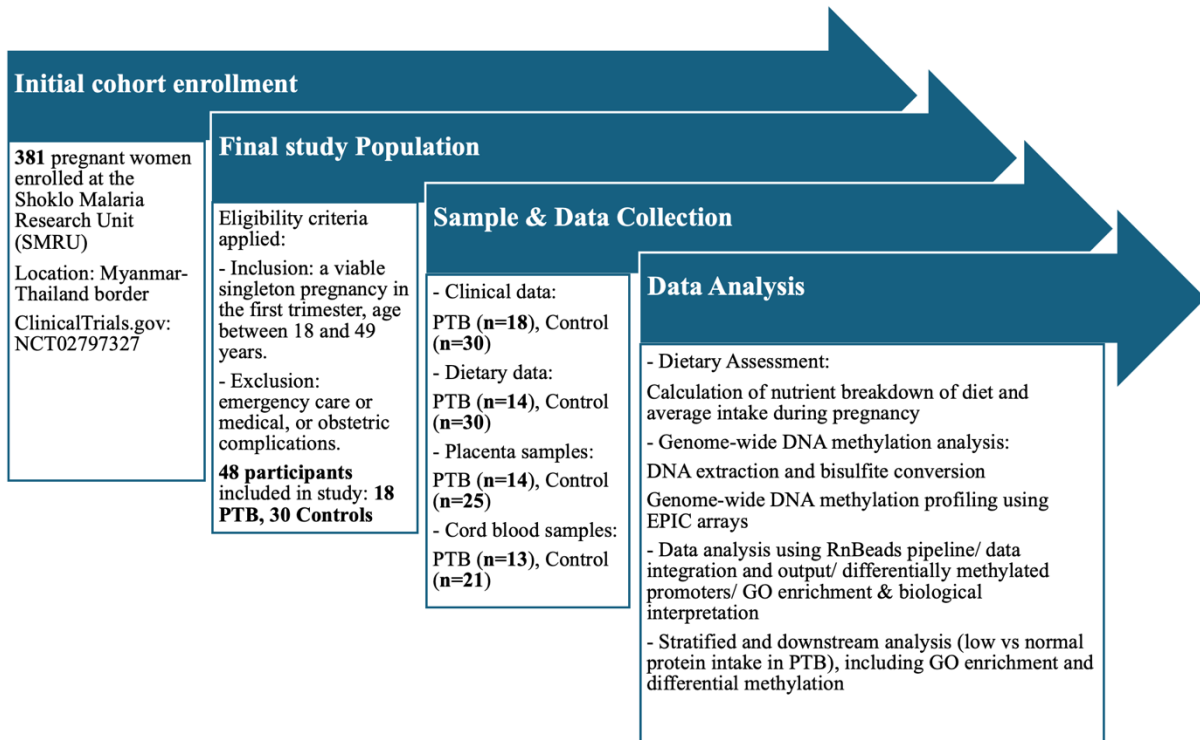


Supplementary Figure 1: Dietary supplement distribution was assessed by Chi-squared analysis. No significant difference was identified between PTB and controls.

- Supplementary Data 1: The 1000 most differentially methylated promoters (based on combined rank among the 1000 best-ranking regions) between the PTB group and controls in placental samples.
- Supplementary Data 2: The 1000 most differentially methylated promoters (based on combined rank among the 1000 best-ranking regions) between the PTB group and controls in cord blood samples.
- Supplementary Data 3: The 1000 most differentially methylated promoters between low-protein consumers and normal-protein consumers within the PTB cohort, specific to placental samples.
- Supplementary Data 4: The 1000 most differentially methylated promoters between low-protein consumers and normal-protein consumers within the PTB cohort, specific to cord blood samples.



Supplementary Figure 2: the flow chart shows the study design, sample distribution, and the subset used for dietary assessment and data analysis

Dataset 1. Placenta samples PTB vs Controls

id	Chromosome	Start	End	symbol	entrezID	mean.mean.PTB	mean.mean.PTB-C	
ENSG00000182333	chr10	90422698	90424697	LIPF		8513	0.487724	0.60548
ENSG00000244116	chr2	89521443	89523442	IGKV2-28	NA		0.258099569	0.156531516
ENSG00000133657	chr3	194218594	194220593	ATP13A3		79572	0.246220679	0.383177373
ENSG00000118855	chr3	158448487	158450486	MFSD1		64747	0.180051827	0.083818601
ENSG00000188314	chr19	9344320	9346319	OR7D1P	NA		0.246989754	0.402036853
ENSG00000240207	chr3	158448552	158450551	NA		100287290	0.183609823	0.088146917
ENSG00000234518	chr1	89569951	89571950	PTGES3P1	NA		0.275140123	0.411263907
ENSG00000263919	chr10	112393384	112395383	RN7SL686P	NA		0.202226095	0.302549049
ENSG00000250626	chr4	189717288	189719287	NA	101930028;101930449		0.24521643	0.382934169
ENSG00000226751	chr21	16134912	16136911	NA	NA		0.353189411	0.506838646
ENSG00000200197	chr11	123633135	123635134	RNU1-21P	NA		0.191019441	0.290174197
ENSG00000231990	chr9	96617865	96619864	NA		101928014	0.26366788	0.370099416
ENSG00000151892	chr10	118032480	118034479	GFRA1		2674	0.296829239	0.206623475
ENSG00000271434	chr10	126134782	126136781	NA	NA		0.405019369	0.307125316
ENSG00000258932	chr14	28313993	28315992	NA		728755	0.277813301	0.411195612
ENSG00000272463	chr6	710906	712905	NA	NA		0.170935492	0.088571565
ENSG00000085276	chr3	169380907	169382906	MECOM		2122	0.273563242	0.19466857
ENSG00000255442	chr11	50127827	50129826	NA	NA		0.493379163	0.669452247
ENSG00000221110	chr9	75905644	75907643	NA	NA		0.306336515	0.455685959
ENSG00000269909	chr9	129461077	129463076	NA	NA		0.36540733	0.514842352
ENSG00000198690	chr15	31194555	31196554	FAN1		22909	0.221160883	0.143875067
ENSG00000266088	chr17	38671778	38673777	NA		101059954	0.440579988	0.327262218
ENSG00000204390	chr6	31782938	31784937	HSPA1L		3305	0.226906452	0.131526423
ENSG00000230848	chr9	130819142	130821141	NA	NA		0.316801191	0.414474605
ENSG00000179213	chr19	51748103	51750102	SIGLECL1		284369	0.239931038	0.164575218
ENSG00000206787	chr13	19452694	19454693	RNU6-76P		100873777	0.365954673	0.489634144
ENSG00000242608	chr5	13250275	13252274	RPS23P5	NA		0.269566781	0.194436972
ENSG00000239170	chr2	233542173	233544172	NA	NA		0.564991977	0.420731004
ENSG00000202001	chr8	101766924	101768923	NA	NA		0.328747692	0.43910229
ENSG00000268015	chr19	52734048	52736047	NA	NA		0.142462294	0.247029271
ENSG00000254244	chr8	4643354	4645353	PAICSP4	NA		0.391507243	0.29247206
ENSG00000214022	chr7	150063778	150065777	REPIN1		29803	0.296768545	0.223065361
ENSG00000271727	chr6	710033	712032	NA	NA		0.167946019	0.089496513

ENSG00000223202	chr11	74394769	74396768	RN7SKP297	NA		0.308668298	0.232020335
ENSG00000230546	chr1	58548591	58550590	NA	NA		0.286992191	0.387469284
ENSG00000217447	chr6	167759460	167761459	NA	NA		0.268705839	0.393314187
ENSG00000235934	chr2	171674048	171676047	NA	NA		0.252000858	0.179198951
ENSG00000259530	chr15	61889213	61891212	NA		101928850	0.395474811	0.522359003
ENSG00000253431	chr8	63776241	63778240	NA	NA		0.313232057	0.391246168
ENSG00000255986	chr16	56668151	56670150	MT1JP		4498	0.292212717	0.22058784
ENSG00000272232	chr9	73193878	73195877	NA	NA		0.287790694	0.216664345
ENSG00000237254	chr7	142510585	142512584	TRBV30	NA		0.217266903	0.288277687
ENSG00000259435	chr15	22412069	22414068	OR4N3P		390539	0.450215364	0.343458084
ENSG00000226245	chr10	44137820	44139819	ZNF32-AS1		414197	0.331454129	0.252407885
ENSG00000197674	chr11	4712895	4714894	OR51C1P	NA		0.330620004	0.442404105
ENSG00000205584	chr7	72438845	72440844	NA	NA		0.214909731	0.297223663
ENSG00000200091	chr6	76364516	76366515	RN7SKP163	NA		0.355766142	0.465437424
ENSG00000197084	chr1	152778608	152780607	LCE1C		353133	0.232960964	0.307961046
ENSG00000225889	chr2	64368873	64370872	NA	NA		0.390102499	0.310967544
ENSG00000118849	chr3	158449986	158451985	RARRES1		5918	0.316422092	0.245708955
ENSG00000221418	chr7	125678783	125680782	NA	NA		0.202531973	0.313477799
ENSG00000254267	chr8	99399976	99401975	NA	NA		0.323788524	0.423407609
ENSG00000136574	chr8	11532968	11534967	GATA4		2626	0.366666988	0.280743584
ENSG00000136939	chr9	125484769	125486768	OR1L4		254973	0.435071708	0.565846989
ENSG00000241011	chr4	189026212	189028211	NA	NA		0.308225718	0.394195483
ENSG00000099284	chr10	71811052	71813051	H2AFY2		55506	0.349941201	0.275950173
ENSG00000128710	chr2	176972018	176974017	HOXD10		3236	0.27557077	0.206594948
ENSG00000222386	chr7	103124487	103126486	RN7SKP86	NA		0.237458907	0.31887132
ENSG00000225087	chr1	73364324	73366323	NA	NA		0.41779208	0.540774817
ENSG00000184374	chr8	120006191	120008190	COLEC10		10584	0.23852766	0.34469892
ENSG00000270169	chr11	67229292	67231291	NA	NA		0.376058932	0.486473218
ENSG00000196301	chr6	32440778	32442777	HLA-DRB9	NA		0.532293202	0.411841027
ENSG00000261446	chr13	90771474	90773473	LINC00559		100874187	0.284504113	0.216411817
ENSG00000225582	chr17	32804831	32806830	NA	NA		0.313768666	0.408965354
ENSG00000185662	chr5	171211376	171213375	SMIM23		644994	0.254466691	0.329605704
ENSG00000254339	chr8	115292796	115294795	NA	NA		0.30541894	0.402721741
ENSG00000258921	chr12	56053080	56055079	NA	NA		0.258197303	0.341358435

ENSG00000264986	chr3	124869897	124871896	MIR5092		100847039	0.315798283	0.407886947
ENSG00000238515	chr10	23688029	23690028	NA	NA		0.385372117	0.497018477
ENSG00000260156	chr16	70779460	70781459	NA	NA		0.431249891	0.363816795
ENSG00000270114	chr7	153735190	153737189	NA	NA		0.223296267	0.15598213
ENSG00000251621	chr2	162279026	162281025	NA	NA		0.420267976	0.353158861
ENSG00000251895	chr14	85204786	85206785	RNU6-976P	NA		0.384142235	0.299117547
ENSG00000267110	chr19	55671540	55673539	NA	NA		0.451336344	0.377376502
ENSG00000206950	chr8	14188564	14190563	NA	NA		0.495952332	0.362824945
ENSG00000173253	chr9	1048854	1050853	DMRT2		10655	0.270361596	0.203078792
ENSG00000253392	chr19	2926306	2928305	NA	NA		0.442810057	0.526955076
ENSG00000269018	chr11	65359448	65361447	NA	NA		0.245810771	0.314573598
ENSG00000240975	chr11	39181503	39183502	NA	NA		0.251783002	0.345267416
ENSG00000221449	chr20	6209096	6211095	NA	NA		0.437521758	0.341952295
ENSG00000247498	chr12	13079160	13081159	NA		100506314	0.101890528	0.179599939
ENSG00000252070	chr11	57216156	57218155	RNA5SP341	NA		0.232203096	0.3245294
ENSG00000176170	chr17	74371165	74373164	SPHK1		8877	0.355119253	0.443337174
ENSG00000253725	chr5	178265598	178267597	NA	NA		0.15132032	0.265360051
ENSG00000269826	chr16	86379493	86381492	NA	NA		0.150460837	0.26723523
ENSG00000099904	chr22	20115479	20117478	ZDHHC8		29801	0.351721648	0.44878139
ENSG00000258985	chr14	53501973	53503972	NA	NA		0.215447435	0.300794741
ENSG00000225831	chr20	5512024	5514023	RPS18P1	NA		0.53015753	0.461620294
ENSG00000272233	chr8	42408433	42410432	NA	NA		0.227335066	0.292685564
ENSG00000240386	chr1	152747348	152749347	LCE1F		353137	0.242464055	0.309808254
ENSG00000109193	chr4	70725371	70727370	SULT1E1		6783	0.339338466	0.266114432
ENSG00000269259	chr10	102881036	102883035	NA	NA		0.249552379	0.18452507
ENSG00000230846	chr9	84545784	84547783	NA	NA		0.386785729	0.491583265
ENSG00000178015	chr5	94954282	94956281	GPR150		285601	0.298421941	0.233427661
ENSG00000186197	chr1	236510062	236512061	EDARADD		128178	0.284001396	0.380441683
ENSG00000267714	chr19	33707223	33709222	NA	NA		0.318851835	0.404752073
ENSG00000189143	chr7	73212372	73214371	CLDN4		1364	0.333002878	0.265411662
ENSG00000235428	chr1	223742363	223744362	NA	NA		0.186224562	0.121656126
ENSG00000252540	chr20	48409848	48411847	RNU6-919P	NA		0.403857685	0.339365121
ENSG00000249409	chr4	121558745	121560744	NA	NA		0.192884791	0.257352955
ENSG00000243954	chr16	8775611	8777610	RN7SL743P	NA		0.302723041	0.413630957

ENSG00000269765	chr19	15627148	15629147	NA	NA	0.594552589	0.469713746
ENSG00000235736	chr1	168743229	168745228	NA	NA	0.345753805	0.438350841
ENSG00000226564	chr2	181737642	181739641	FTH1P20	NA	0.201603344	0.310327385
ENSG00000229882	chr20	61263624	61265623	NA	100505735	0.250770513	0.318135596
ENSG00000136935	chr9	127710272	127712271	GOLGA1	2800	0.267672551	0.33940269
ENSG00000216193	chr2	176971871	176973870	NA	NA	0.241365274	0.177368822
ENSG00000213232	chr13	64385242	64387241	PPP1R2P10	NA	0.350791344	0.461721027
ENSG00000143199	chr1	167882954	167884953	ADCY10	55811	0.484461541	0.549804366
ENSG00000205693	chr12	27923710	27925709	MANSC4	100287284	0.308484225	0.379232653
ENSG00000243022	chr3	128567743	128569742	NA	NA	0.320748869	0.405550689
ENSG00000171540	chr5	76935014	76937013	OTP	23440	0.303554982	0.237898711
ENSG00000232464	chr22	26378993	26380992	NA	NA	0.201951064	0.306644609
ENSG00000254753	chr8	13706119	13708118	NA	NA	0.388495684	0.473988658
ENSG00000137033	chr9	6214305	6216304	IL33	90865	0.363943273	0.456916818
ENSG00000241667	chr3	69638992	69640991	NA	NA	0.146491091	0.209663459
ENSG00000266357	chr17	72149852	72151851	NA	NA	0.174756307	0.276301513
ENSG00000221406	chr1	224444344	224446343	MIR320B2	100313769	0.494889143	0.580485782
ENSG00000201796	chr7	105847113	105849112	RNU6-392P	NA	0.263677328	0.333242076
ENSG00000132669	chr20	19865665	19867664	RIN2	54453	0.342877396	0.4136304
ENSG00000230428	chr16	499904	501903	NA	NA	0.215095526	0.321241565
ENSG00000215005	chr21	30261095	30263094	HSPD1P7	NA	0.173160786	0.240933337
ENSG00000161031	chr19	15609268	15611267	PGLYRP2	114770	0.238118833	0.314118678
ENSG00000221237	chr16	71363592	71365591	NA	NA	0.19328937	0.256403197
ENSG00000226506	chr2	8039287	8041286	NA	NA	0.21102207	0.148608729
ENSG00000221933	chr7	143769775	143771774	OR2A25	392138	0.27385968	0.211465589
ENSG00000138755	chr4	76928142	76930141	CXCL9	4283	0.340270365	0.428047295
ENSG00000206841	chr22	51129292	51131291	RNU6-409P	NA	0.382221984	0.298832548
ENSG00000246548	chr14	77505907	77507906	NA	283575	0.476133103	0.370531206
ENSG00000267408	chr19	4619706	4621705	NA	NA	0.25949316	0.326807113
ENSG00000197658	chr11	62911194	62913193	SLC22A24	283238	0.246461513	0.340300351
ENSG00000206761	chr14	101611533	101613532	NA	NA	0.278908711	0.216876104
ENSG00000264216	chr17	25992239	25994238	NOS2P1	NA	0.351454416	0.415209646
ENSG00000128610	chr7	121950246	121952245	FEZF1	389549	0.38106969	0.289460545
ENSG00000272483	chr3	11651576	11653575	NA	NA	0.453586965	0.563929804

ENSG00000231622	chr1	65618663	65620662	NA	NA		0.400316892	0.501880233
ENSG00000263443	chr8	123715163	123717162	NA	NA		0.371761566	0.466941174
ENSG00000212224	chr20	40340740	40342739	NA	NA		0.179821789	0.261537815
ENSG00000153086	chr2	135594617	135596616	ACMSD		130013	0.202139349	0.301135925
ENSG00000133020	chr17	10324768	10326767	MYH8		4626	0.344465439	0.422613618
ENSG00000152430	chr2	198650987	198652986	BOLL		66037	0.300767979	0.239312867
ENSG00000134812	chr11	59612475	59614474	GIF		2694	0.289694541	0.370749364
ENSG00000237609	chr21	40400554	40402553	NA	NA		0.403017121	0.466475407
ENSG00000264386	chr15	75080599	75082598	MIR4513		100616183	0.355507472	0.293683992
ENSG00000166959	chr11	60465547	60467546	MS4A8		83661	0.32149455	0.392141176
ENSG00000270544	chr19	35394600	35396599	NA	NA		0.199699921	0.138680921
ENSG00000253706	chr8	75778675	75780674	NA	NA		0.408973725	0.508919238
ENSG00000234860	chr9	102292478	102294477	NA	NA		0.335230416	0.40881918
ENSG00000253120	chr22	22920978	22922977	IGLV2-34			0.280037025	0.350375224
ENSG00000227332	chr13	19432467	19434466	NA	NA		0.257953757	0.19708561
ENSG00000269745	chr19	46733146	46735145	NA	NA		0.240750314	0.305883371
ENSG00000262990	chr17	6652798	6654797	NA	NA		0.164455595	0.22609753
ENSG00000244283	chr17	6651537	6653536	RPL23AP73			0.164455595	0.22609753
ENSG00000217950	chr2	132201968	132203967	NA		401010	0.297629737	0.358320718
ENSG00000253189	chr8	5893997	5895996	NA	NA		0.631212156	0.78571133
ENSG00000264272	chr17	72257660	72259659	NA	NA		0.282032321	0.359781048
ENSG00000273084	chr7	5466862	5468861	NA	NA		0.321054371	0.243570702
ENSG00000241187	chr5	154107291	154109290	NA	NA		0.535533122	0.430051999
ENSG00000231609	chr2	63275276	63277275	NA		100132215	0.292235832	0.211728187
ENSG00000263414	chr19	812084	814083	MIR3187		100422854	0.173500165	0.25912736
ENSG00000204389	chr6	31781791	31783790	HSPA1A	3303;3304		0.263970019	0.188166324
ENSG00000236911	chr1	207779401	207781400	NA	NA		0.275058913	0.369326566
ENSG00000210709	chr17	44996990	44998989	RNU6ATAC3P			0.392475927	0.48833159
ENSG00000224076	chr2	162279589	162281588	NA	NA		0.426207566	0.365825194
ENSG00000253297	chr5	148025454	148027453	HTR4-IT1			0.273284824	0.358613111
ENSG00000267238	chr19	28886836	28888835	NA	NA		0.375668	0.250199
ENSG00000229544	chr10	126138254	126140253	NKX1-2		390010	0.375668	0.250199
ENSG00000213726	chr19	688881	690880	RPS2P52			0.335353155	0.415004362
ENSG00000237011	chr1	193657060	193659059	NA	NA		0.41072898	0.509767051

ENSG00000230671	chr4	119321490	119323489	NDUFS5P5	NA		0.224557852	0.165091055
ENSG00000235508	chr20	44269510	44271509	RPS2P7	NA		0.479201015	0.594104182
ENSG00000216621	chr6	150254163	150256162	NA	NA		0.170736225	0.248416427
ENSG00000267273	chr19	9607854	9609853	NA	NA		0.252060618	0.187308593
ENSG00000238830	chr2	99456700	99458699	RNU7-46P	NA		0.465758985	0.556554904
ENSG00000228261	chr10	106081627	106083626	NA		101927472	0.50808732	0.41770804
ENSG00000250033	chr4	138977118	138979117	SLC7A11-AS1		641364	0.295089806	0.230380609
ENSG00000234152	chr13	25939794	25941793	TCEB2P1	NA		0.294562177	0.386685134
ENSG00000202428	chr3	57521586	57523585	RNU6-108P	NA		0.253841333	0.324049129
ENSG00000144290	chr2	162279343	162281342	SLC4A10		57282	0.39438169	0.335309418
ENSG00000230379	chr21	26364630	26366629	NA	NA		0.288131653	0.379018975
ENSG00000261018	chr9	136497722	136499721	NA	NA		0.338139436	0.419180172
ENSG00000229775	chr10	107898522	107900521	NA	NA		0.194026537	0.289154056
ENSG00000106560	chr7	150381285	150383284	GIMAP2		26157	0.270839231	0.207882581
ENSG00000220734	chr6	35732185	35734184	NA	NA		0.160826502	0.101904454
ENSG00000250360	chr5	50262343	50264342	NA	NA		0.331603982	0.261944766
ENSG00000198028	chr19	9608784	9610783	ZNF560		147741	0.2879141	0.223109295
ENSG00000122862	chr10	70846362	70848361	SRGN		5552	0.433160205	0.370821233
ENSG00000151789	chr3	22414313	22416312	ZNF385D		79750	0.214513924	0.155781022
ENSG00000235166	chr20	54038049	54040048	NA	NA		0.265171238	0.353794368
ENSG00000226956	chr21	19032203	19034202	NA	NA		0.352345005	0.410918863
ENSG00000204439	chr6	31628050	31630049	C6orf47		57827	0.282626058	0.224230091
ENSG00000204791	chr8	145102530	145104529	NA	NA		0.221108702	0.153968422
ENSG00000239192	chr5	160090094	160092093	NA	NA		0.349654338	0.431238474
ENSG00000236397	chr2	114358645	114360644	DDX11L2		84771	0.375296835	0.443263533
ENSG00000173421	chr3	49234361	49236360	CCDC36		339834	0.350416057	0.408619994
ENSG00000216194	chr8	7313978	7315977	NA	NA		0.216405613	0.294371157
ENSG00000235117	chr9	139929992	139931991	NA	NA		0.232644844	0.290654274
ENSG00000227009	chr22	39550030	39552029	FUNDC2P4	NA		0.3290994	0.412047576
ENSG00000259624	chr15	71070708	71072707	NA	NA		0.371220074	0.449115068
ENSG00000249287	chr5	180397263	180399262	NA	NA		0.440571355	0.357384984
ENSG00000238310	chr1	109749971	109751970	RNU7-122P	NA		0.338447173	0.401286868
ENSG00000254399	chr11	58808710	58810709	GLYATL1P4	NA		0.223675206	0.299755544
ENSG00000252118	chr10	12496982	12498981	RNU6ATAC39P	NA		0.387768501	0.477771844

ENSG00000248969	chr5	35826621	35828620	NA	NA		0.440806774	0.542741826
ENSG00000262983	chr16	21204668	21206667	NA	NA		0.302794162	0.373388451
ENSG00000239098	chr7	24300834	24302833	NA	NA		0.264637474	0.33069089
ENSG00000249100	chr5	82059723	82061722	NA	NA		0.477454849	0.380677707
ENSG00000104679	chr8	23126133	23128132	R3HCC1		203069	0.309142789	0.385601575
ENSG00000270605	chr1	28567465	28569464	NA	NA		0.216371512	0.296938102
ENSG00000249278	chr4	77430373	77432372	NA	NA		0.159552425	0.217181973
ENSG00000232597	chr2	104496168	104498167	NA	NA		0.483488922	0.591177693
ENSG00000224700	chr11	131854056	131856055	NA	NA		0.407505782	0.501022811
ENSG00000184188	chr5	79598167	79600166	NA	NA		0.537066346	0.436983169
ENSG00000224020	chr9	127419246	127421245	MIR181A2HG	NA		0.338634332	0.271744704
ENSG00000254332	chr8	70040333	70042332	NA	NA		0.333111362	0.415070034
ENSG00000267037	chr19	45653364	45655363	NA	NA		0.354035521	0.415083288
ENSG00000260566	chr16	23074995	23076994	NA	NA		0.437571563	0.494737904
ENSG00000243137	chr19	43710952	43712951	PSG4		5672	0.245125513	0.341298602
ENSG00000207729	chr1	162310836	162312835	MIR556		693141	0.341784181	0.413675583
ENSG00000252452	chr2	233645875	233647874	RNU6-107P	NA		0.54409612	0.666354925
ENSG00000237556	chr1	112450458	112452457	KCND3-AS1	NA		0.312083315	0.379181169
ENSG00000152208	chr4	93224050	93226049	GRID2		2895	0.453613219	0.373375002
ENSG00000250375	chr4	59940475	59942474	NA	NA		0.285264862	0.209864877
ENSG00000159714	chr16	67450237	67452236	ZDHHC1		29800	0.349373128	0.286501904
ENSG00000197437	chr1	247835866	247837865	OR13G1		441933	0.338902821	0.41101858
ENSG00000177447	chr11	27826490	27828489	CBX3P1	NA		0.114967839	0.174004277
ENSG00000054803	chr20	54580029	54582028	CBLN4		140689	0.296524324	0.239850355
ENSG00000220267	chr6	88986209	88988208	ACTBP8	NA		0.57165815	0.701525515
ENSG00000175873	chr7	2475898	2477897	NA		101927181	0.379156735	0.451168742
ENSG00000232080	chr6	32684282	32686281	NA	NA		0.294805595	0.374660399
ENSG00000230646	chr2	131183804	131185803	KLF2P2	NA		0.278919277	0.222429601
ENSG00000238492	chr14	20231667	20233666	NA	NA		0.21634669	0.290116777
ENSG00000258740	chr14	75735487	75737486	NA	NA		0.454112508	0.378630558
ENSG00000207274	chr2	215710171	215712170	NA	NA		0.372862276	0.452156478
ENSG00000232524	chr7	123095183	123097182	NA	NA		0.334143659	0.408865636
ENSG00000139352	chr12	103349964	103351963	ASCL1		429	0.174917882	0.119098322
ENSG00000141837	chr19	13734305	13736304	CACNA1A	773;100507353		0.257639184	0.201847882

ENSG00000267145	chr19	56849518	56851517	NA	NA	0.366935729	0.448375705
ENSG00000260532	chr16	1160127	1162126	NA	NA	0.238396696	0.344677571
ENSG00000251306	chr5	58823187	58825186	NDUFB4P2	NA	0.386648633	0.471826815
ENSG00000226389	chr10	50978387	50980386	NA	NA	0.249516697	0.190581967
ENSG00000182255	chr11	30038071	30040070	KCNA4	3739	0.233435219	0.178048006
ENSG00000202438	chr6	130894758	130896757	NA	NA	0.384353572	0.44730155
ENSG00000213015	chr19	56144882	56146881	ZNF580	51157	0.159454357	0.104192689
ENSG00000227096	chr10	118199057	118201056	HMGB3P8	NA	0.427453049	0.520763803
ENSG00000261282	chr16	51139982	51141981	SOD1P2	NA	0.140332512	0.223544414
ENSG00000227485	chr1	63488378	63490377	NA	NA	0.505075041	0.613580562
ENSG00000155428	chr7	72439498	72441497	TRIM74	378108	0.202048752	0.276406741
ENSG00000144962	chr3	172858559	172860558	SPATA16	83893	0.232309375	0.302983115
ENSG00000212609	chr21	20715965	20717964	RNU1-139P	NA	0.18657429	0.286867858
ENSG00000200840	chr13	28805138	28807137	RNU6-82P	100873781	0.557069282	0.677759524
ENSG00000175967	chr6	114223802	114225801	NA	285759	0.322864803	0.396905652
ENSG00000229137	chr13	21860045	21862044	NA	NA	0.27099005	0.326597489
ENSG00000233910	chr1	41059526	41061525	GTF2F2P2	NA	0.365718486	0.445047059
ENSG00000249487	chr15	89147842	89149841	NA	101929743	0.330817367	0.262384718
ENSG00000213642	chr7	64030316	64032315	NA	NA	0.256226464	0.194550697
ENSG00000196743	chr5	150590211	150592210	GM2A	2760	0.274201644	0.219408959
ENSG00000235300	chr17	46370209	46372208	NA	NA	0.296820649	0.363659424
ENSG00000243264	chr2	89984822	89986821	IGKV2D-29	NA	0.155545279	0.237399786
ENSG00000251454	chr4	76283735	76285734	NA	NA	0.455466391	0.546647391
ENSG00000207032	chr9	34389550	34391549	NA	NA	0.11509469	0.190926384
ENSG00000211691	chr7	38312749	38314748	TRGJP	NA	0.355048669	0.291689066
ENSG00000227514	chr8	114387398	114389397	NA	NA	0.475838183	0.576392634
ENSG00000270112	chr18	44334950	44336949	NA	NA	0.231685796	0.177328799
ENSG00000227906	chr20	10348925	10350924	SNAP25-AS1	100131208	0.466360558	0.524712113
ENSG00000268613	chr19	53638076	53640075	NA	NA	0.489727602	0.593924651
ENSG00000183653	chr21	30966860	30968859	GRIK1-AS2	NA	0.31063151	0.378106002
ENSG00000188992	chr21	15582667	15584666	LIPI	149998	0.366636884	0.444966089
ENSG00000238160	chr5	131761907	131763906	NA	NA	0.526258258	0.444553084
ENSG00000169548	chr22	22874114	22876113	ZNF280A	129025	0.355961998	0.416552407
ENSG00000241202	chr3	147103254	147105253	ZIC4-AS1	NA	0.352776281	0.27746904

ENSG00000256085	chr12	130006809	130008808	NA	NA		0.485934991	0.588142054
ENSG00000233431	chr1	21911465	21913464	NA	NA		0.265879489	0.324341928
ENSG00000263403	chr9	139413579	139415578	MIR4673		100616242	0.428279591	0.518444009
ENSG00000261324	chr12	14920366	14922365	NA	NA		0.30817898	0.37356936
ENSG00000116977	chr1	236679800	236681799	LGALS8		3964	0.285338867	0.361775167
ENSG00000183742	chr7	20256528	20258527	MACC1		346389	0.314894341	0.256993383
ENSG00000211789	chr14	22354537	22356536	TRAV12-2	NA		0.484690732	0.400543662
ENSG00000267555	chr19	33320701	33322700	NA	NA		0.305506651	0.378524351
ENSG00000042286	chr10	71892191	71894190	AIFM2		84883	0.495780608	0.431770082
ENSG00000138083	chr2	45167402	45169401	SIX3		6496	0.263226199	0.199584343
ENSG00000267069	chr18	12286807	12288806	NA	NA		0.301937662	0.244391732
ENSG00000253394	chr8	91232216	91234215	LINC00534		100874052	0.351867698	0.273405475
ENSG00000266215	chr11	126857939	126859938	MIR3167		100422918	0.525696219	0.635002705
ENSG00000227480	chr2	159021662	159023661	CCDC148-AS1		554201	0.279658176	0.338664322
ENSG00000253448	chr22	23191050	23193049	IGLV3-6	NA		0.368604453	0.428036099
ENSG00000254511	chr11	81680536	81682535	NA	NA		0.453570151	0.539015218
ENSG00000273464	chr21	31028226	31030225	NA	NA		0.514079155	0.423878527
ENSG00000261486	chr16	34578431	34580430	RARRES2P9	NA		0.355735104	0.293538054
ENSG00000222663	chr11	105693860	105695859	RNU4-55P	NA		0.42131316	0.492439166
ENSG00000047662	chr4	17782636	17784635	FAM184B		27146	0.253296074	0.200158526
ENSG00000261797	chr7	141212484	141214483	NA	NA		0.388063321	0.320939495
ENSG00000239661	chr3	147563945	147565944	NA	NA		0.255513243	0.355982922
ENSG00000251628	chr5	113390203	113392202	NA		101927041	0.249326506	0.195250466
ENSG00000207213	chr1	11059503	11061502	NA	NA		0.455456395	0.549647541
ENSG00000224583	chr6	75350600	75352599	NA	NA		0.433242248	0.513502966
ENSG00000095066	chr19	12983055	12985054	HOOK2		29911	0.066536827	0.137250395
ENSG00000265759	chr19	12983045	12985044	NA	NA		0.066536827	0.137250395
ENSG00000256879	chr12	20522697	20524696	NA	NA		0.289602423	0.236899372
ENSG00000248359	chr5	67828858	67830857	NA	NA		0.492574008	0.56819267
ENSG00000263176	chr17	48292219	48294218	NA	NA		0.450455468	0.541494526
ENSG00000253230	chr8	9762377	9764376	LINC00599	157627;406907		0.260830798	0.208221345
ENSG00000232742	chr2	132217033	132219032	RHOQP2	NA		0.640020255	0.520845891
ENSG00000235118	chr2	207505642	207507641	NA	NA		0.241203897	0.188622294
ENSG00000221698	chr17	13446464	13448463	MIR548H3		100302287	0.433247275	0.520400793

ENSG00000182854	chr15	102356866	102358865	OR4F15		390649	0.368927655	0.459891791
ENSG00000134207	chr1	114696042	114698041	SYT6		148281	0.241420645	0.188926355
ENSG00000258331	chr12	43547618	43549617	NA	NA		0.399161138	0.469565958
ENSG00000230633	chr13	32870791	32872790	NA	NA		0.368488149	0.444159718
ENSG00000238792	chr9	96994260	96996259	NA	NA		0.552364541	0.665295794
ENSG00000237337	chr1	50641041	50643040	NA	NA		0.194106366	0.248547642
ENSG00000230015	chr1	240906412	240908411	NA		100506929	0.246077557	0.319526698
ENSG00000258987	chr14	94404401	94406400	NA	NA		0.293498214	0.234886842
ENSG00000212257	chr1	65488258	65490257	RNU6-1176P	NA		0.546699753	0.658009949
ENSG00000120903	chr8	27336901	27338900	CHRNA2		1135	0.379071879	0.449224941
ENSG00000225096	chr6	58290408	58292407	NA	NA		0.401463613	0.483330701
ENSG00000106038	chr7	27280664	27282663	EVX1		2128	0.333866671	0.281466482
ENSG00000259759	chr16	54272105	54274104	NA	NA		0.438898708	0.528169662
ENSG00000221601	chr5	158743550	158745549	RNU4ATAC2P	NA		0.35277062	0.410400492
ENSG00000183729	chr8	53849491	53851490	NPBWR1		2831	0.395729294	0.322510311
ENSG00000257522	chr14	29850002	29852001	NA	NA		0.392685602	0.491284314
ENSG00000227336	chr13	60788581	60790580	LINC00434	NA		0.434898042	0.512060206
ENSG00000127241	chr3	187009311	187011310	MASP1		5648	0.254353469	0.306852831
ENSG00000135929	chr2	219644972	219646971	CYP27A1		1593	0.401013975	0.324959003
ENSG00000237937	chr11	116508639	116510638	NA		101929011	0.190885992	0.248036798
ENSG00000188816	chr10	124906138	124908137	HMX2		3167	0.22410637	0.172464684
ENSG00000222356	chr9	114758520	114760519	RNU6-710P	NA		0.396339481	0.476544616
ENSG00000260962	chr13	95610795	95612794	LINC00557	NA		0.27822527	0.347874098
ENSG00000252650	chr1	204676059	204678058	RNA5SP75	NA		0.373646588	0.440863599
ENSG00000116981	chr1	40137211	40139210	NT5C1A		84618	0.214264802	0.162865411
ENSG00000255521	chr11	35159080	35161079	NA		100507144	0.286278654	0.234935817
ENSG0000026508	chr11	35158917	35160916	CD44		960	0.286278654	0.234935817
ENSG00000152760	chr1	67216642	67218641	TCTEX1D1		200132	0.24598879	0.194693786
ENSG00000263800	chr19	12896442	12898441	MIR5684		100847071	0.451429237	0.389047072
ENSG00000176925	chr11	4841051	4843050	OR51F2		119694	0.246990352	0.329848394
ENSG00000202317	chr11	66159420	66161419	RNU1-84P	NA		0.412580681	0.481190067
ENSG00000120262	chr6	151813665	151815664	CCDC170		80129	0.183256914	0.132094843
ENSG00000251518	chr5	37947093	37949092	NA	NA		0.307073299	0.37967423
ENSG00000229738	chr5	132323303	132325302	NA		11017	0.097782605	0.183745714

ENSG00000153339	chr18	29532600	29534599	TRAPPC8		22878	0.40118448	0.481106952
ENSG00000226686	chr19	37741314	37743313	NA	NA		0.292287525	0.241353366
ENSG00000250166	chr12	22752859	22754858	NA	NA		0.360210329	0.43210315
ENSG00000256362	chr12	127824118	127826117	NA		101927616	0.31413355	0.372468643
ENSG00000229246	chr13	81616305	81618304	NA	NA		0.561901883	0.469220098
ENSG00000223626	chr13	112985040	112987039	LINC01044	NA		0.500564974	0.425921001
ENSG00000201393	chr10	80125764	80127763	NA	NA		0.325519674	0.384676651
ENSG00000206856	chr6	139179771	139181770	RNU6-427P	NA		0.578324094	0.69183282
ENSG00000253317	chr8	73107069	73109068	NA	NA		0.346204	0.41734799
ENSG00000236083	chr9	35859481	35861480	OR13E1P	NA		0.227100187	0.278713372
ENSG00000238837	chr3	182360502	182362501	NA	NA		0.374904336	0.437173431
ENSG00000226242	chr2	193637308	193639307	RPS17P8	NA		0.322556276	0.264807695
ENSG00000229923	chr6	131016957	131018956	NA	NA		0.268920218	0.320388205
ENSG00000221725	chr16	70885101	70887100	RNU6ATAC25P	NA		0.381293748	0.31817343
ENSG00000271882	chr8	102218876	102220875	NA	NA		0.213765843	0.16340838
ENSG00000263125	chr17	52831511	52833510	ARL2BPP8	NA		0.318457488	0.399677844
ENSG00000257943	chr12	95830105	95832104	NA	NA		0.384169249	0.459695879
ENSG00000233916	chr6	29675825	29677824	ZDHHC20P1	NA		0.2429303	0.192748486
ENSG00000260229	chr16	81509625	81511624	NA	NA		0.526171882	0.628503676
ENSG00000073754	chr1	157867547	157869546	CD5L		922	0.357325441	0.298529246
ENSG00000270058	chr16	86255836	86257835	NA	NA		0.216181941	0.266199861
ENSG00000213247	chr10	112863214	112865213	NA	NA		0.425278335	0.512722346
ENSG00000252170	chr3	121963113	121965112	NA	NA		0.361356565	0.301331759
ENSG00000229627	chr7	57696931	57698930	NA	NA		0.488415101	0.405066377
ENSG00000239528	chr5	115896758	115898757	NA	NA		0.57332715	0.480266658
ENSG00000186152	chr19	55206883	55208882	LILRP1	NA		0.265984277	0.216122314
ENSG00000253309	chr13	51908409	51910408	SERPINE3		647174	0.405330152	0.473457411
ENSG00000232380	chr13	69557690	69559689	ZDHHC20P4	NA		0.313458767	0.377881002
ENSG00000267747	chr17	41620653	41622652	NA	NA		0.284321159	0.234497206
ENSG00000264423	chr19	41696635	41698634	RN7SL718P	NA		0.341877857	0.408353333
ENSG00000186198	chr15	65336208	65338207	SLC51B		123264	0.348958035	0.399556703
ENSG00000241324	chr7	123989415	123991414	NA		101928211	0.33935402	0.405342722
ENSG00000236171	chr10	118955666	118957665	NA	NA		0.398991566	0.467896433
ENSG00000186795	chr10	118955500	118957499	KCNK18		338567	0.398991566	0.467896433

ENSG00000252035	chr8	14344889	14346888	RNU6-397P	NA		0.37543447	0.311324311
ENSG00000212149	chr17	41092220	41094219	NA	NA		0.439433461	0.523361723
ENSG00000118702	chr20	35889739	35891738	GHRH		2691	0.233948465	0.306556707
ENSG00000235852	chr2	191746286	191748285	NA	NA		0.296958243	0.247451555
ENSG00000178654	chr9	7596323	7598322	NA	NA		0.573592615	0.683412769
ENSG00000196456	chr7	150064379	150066378	ZNF775		285971	0.166455572	0.116986575
ENSG00000266079	chr17	19459024	19461023	SNORA59B	677882;677885		0.439053086	0.5214937
ENSG00000223923	chr2	218841930	218843929	NA	NA		0.168013746	0.227786003
ENSG00000122718	chr9	35957652	35959651	OR2S2		56656	0.365924588	0.436256681
ENSG00000215595	chr20	1182598	1184597	C20orf202		400831	0.316609937	0.382026133
ENSG00000212071	chr14	36665275	36667274	NA	NA		0.159360575	0.233387202
ENSG00000229019	chr9	71040259	71042258	NA	NA		0.189245905	0.255770022
ENSG00000225334	chr1	224953102	224955101	NA	NA		0.358504586	0.416592817
ENSG00000232656	chr10	1067106	1069105	IDI2-AS1		55853	0.380598943	0.447829899
ENSG00000251574	chr5	104728172	104730171	NA	NA		0.258624708	0.33583699
ENSG00000165556	chr13	28544777	28546776	CDX2		1045	0.569616765	0.48085398
ENSG00000254966	chr11	18726584	18728583	NA	NA		0.332415419	0.2615353
ENSG00000262692	chr17	3623422	3625421	NA	NA		0.526914727	0.441762262
ENSG00000212587	chr6	111168249	111170248	NA	NA		0.443205238	0.521388114
ENSG00000228032	chr14	104709041	104711040	C14orf144	NA		0.206151516	0.290043661
ENSG00000207168	chr7	56126663	56128662	SNORA15		677803	0.330393291	0.277257437
ENSG00000254987	chr11	103765500	103767499	NA	NA		0.365370401	0.448827517
ENSG00000236325	chr22	17672326	17674325	NA	NA		0.463714878	0.551274047
ENSG00000257743	chr7	141810049	141812048	NA	NA		0.443835034	0.527675822
ENSG00000266961	chr18	12749568	12751567	NA	NA		0.492684075	0.38711923
ENSG00000267654	chr18	12748921	12750920	NA		100996324	0.492684075	0.38711923
ENSG00000201023	chr6	109625197	109627196	NA	NA		0.303094405	0.254441692
ENSG00000259805	chr15	83593136	83595135	NA	NA		0.453703795	0.539275016
ENSG00000178860	chr8	72756204	72758203	MSC		9242	0.245508696	0.186086423
ENSG00000089041	chr12	121569122	121571121	P2RX7		5027	0.357319052	0.301838113
ENSG00000153094	chr2	111875455	111877454	BCL2L11		10018	0.323066623	0.254693617
ENSG00000207766	chr15	41982283	41984282	MIR626		693211	0.346829893	0.29214959
ENSG00000236817	chr1	247803657	247805656	NA	NA		0.384541555	0.457504367
ENSG00000235942	chr1	152813844	152815843	LCE6A		448835	0.451148304	0.523081185

ENSG00000227718	chr2	13861673	13863672	NA	NA		0.446802947	0.527624941
ENSG00000243930	chr11	112087549	112089548	RPS12P21	NA		0.240828712	0.192560239
ENSG00000272312	chr6	26968928	26970927	NA	NA		0.286436662	0.341219053
ENSG00000258018	chr12	116954163	116956162	NA	NA		0.327893231	0.393206348
ENSG00000187479	chr11	43945392	43947391	C11orf96		387763	0.414490277	0.474491208
ENSG00000243915	chr3	86060211	86062210	PRKRIRP2	NA		0.197596316	0.258620514
ENSG00000228777	chr6	115954856	115956855	NA	NA		0.268007503	0.333022647
ENSG00000221717	chr10	128245134	128247133	NA	NA		0.37280255	0.442175646
ENSG00000248511	chr4	93224830	93226829	NA	NA		0.460280346	0.384392744
ENSG00000237713	chr7	13404175	13406174	NA	NA		0.364990586	0.307480993
ENSG00000258223	chr7	141957379	141959378	PRSS58		136541	0.396274146	0.479661566
ENSG00000222594	chr4	145954784	145956783	RN7SKP235	NA		0.475186513	0.397586342
ENSG00000272396	chr19	43872623	43874622	NA	NA		0.331141019	0.421300292
ENSG00000224394	chr13	94487898	94489897	GPC6-AS2	NA		0.253114356	0.205033906
ENSG00000139973	chr14	62452303	62454302	SYT16		83851	0.555139381	0.657198466
ENSG00000211939	chr14	106539078	106541077	IGHV1-8	NA		0.20434063	0.272704274
ENSG00000153993	chr7	84815672	84817671	SEMA3D		223117	0.186367768	0.138724694
ENSG00000236637	chr9	21187099	21189098	IFNA4		3441	0.430478558	0.363136581
ENSG00000270876	chr19	35417217	35419216	NA	NA		0.107756184	0.060153709
ENSG00000203469	chr1	10517112	10519111	NA	NA		0.542868561	0.641434262
ENSG00000207924	chr12	54384022	54386021	MIR196A2		406973	0.212662612	0.165101682
ENSG00000203783	chr1	153188560	153190559	PRR9		574414	0.356678404	0.412401168
ENSG00000138650	chr4	134068970	134070969	PCDH10		57575	0.163514024	0.116004
ENSG00000255690	chr7	28997530	28999529	NA	NA		0.303072892	0.255591913
ENSG00000239255	chr3	179169708	179171707	NA	NA		0.303222798	0.391616331
ENSG00000164414	chr6	88178841	88180840	SLC35A1		10559	0.547809811	0.493004114
ENSG00000233834	chr7	20255700	20257699	NA		100506098	0.37588726	0.322510099
ENSG00000175414	chr5	175790971	175792970	ARL10		285598	0.205939989	0.158498101
ENSG00000251654	chr5	25298222	25300221	NA	NA		0.243196113	0.195826657
ENSG00000268532	chr16	86318533	86320532	NA		146513	0.225067194	0.176906162
ENSG00000253619	chr8	121923805	121925804	NA	NA		0.555275271	0.656466602
ENSG00000219604	chr6	85398648	85400647	NA	NA		0.189593859	0.284230605
ENSG00000114638	chr3	118890864	118892863	UPK1B		7348	0.325356732	0.377381394
ENSG00000271171	chr19	35395462	35397461	NA	NA		0.26877744	0.221484461

ENSG00000183570	chr21	47062108	47064107	PCBP3		54039	0.192962779	0.145679245
ENSG00000220990	chr13	53941592	53943591	NA	NA		0.120419787	0.167664863
ENSG00000207488	chr7	89879737	89881736	NA	NA		0.381344145	0.445062075
ENSG00000228067	chr1	212717536	212719535	NA		101929565	0.360434119	0.426389942
ENSG00000256221	chr14	22802616	22804615	NA	NA		0.173161829	0.265897283
ENSG00000257763	chr12	48749898	48751897	OR5BK1P	NA		0.400719109	0.473830995
ENSG00000230229	chr10	80110854	80112853	NA	NA		0.327816989	0.413998908
ENSG00000207453	chr10	7528272	7530271	RNU6-535P	NA		0.53820339	0.635607631
ENSG00000224758	chr10	134775242	134777241	LINC01167	NA		0.296917918	0.23828381
ENSG00000213189	chr2	159858787	159860786	BTF3L4P2	NA		0.203130847	0.266364051
ENSG00000252396	chr1	237282607	237284606	RN7SKP195	NA		0.406545329	0.466389767
ENSG00000258758	chr14	57506103	57508102	NA	NA		0.361767666	0.427695655
ENSG00000136244	chr7	22764003	22766002	IL6		3569	0.372054906	0.429355481
ENSG00000229569	chr10	80763061	80765060	NA	NA		0.329027144	0.387191441
ENSG00000115507	chr2	63275692	63277691	OTX1		5013	0.237216985	0.179837543
ENSG00000230387	chr20	23167265	23169264	NA		100505664	0.40224159	0.4489981
ENSG00000225655	chr9	71201	73200	NA	NA		0.489642389	0.41464721
ENSG00000104332	chr8	41166517	41168516	SFRP1		6422	0.217484215	0.170732187
ENSG00000266976	chr19	29096095	29098094	NA	NA		0.460062969	0.54310508
ENSG00000226576	chr10	50191109	50193108	NA	NA		0.232594591	0.325194011
ENSG00000180483	chr20	29977907	29979906	DEFB119		245932	0.131513249	0.187768873
ENSG00000122870	chr10	60271400	60273399	BICC1		80114	0.306624182	0.258317052
ENSG00000225783	chr22	27040892	27042891	MIAT		440823	0.216867262	0.288990096
ENSG00000211815	chr14	22693141	22695140	TRAV36DV7	NA		0.500719244	0.426611127
ENSG00000072682	chr5	131630509	131632508	P4HA2	8974;101927705		0.277952579	0.231442739
ENSG00000235279	chr10	53060826	53062825	NA	NA		0.465438579	0.54907102
ENSG00000266778	chr3	8811377	8813376	NA		102465854	0.159189971	0.205616736
ENSG00000136877	chr9	130555376	130557375	FPGS		2356	0.456141831	0.50960215
ENSG00000253308	chr7	27280348	27282347	NA	NA		0.362113626	0.307034309
ENSG00000122585	chr7	24322282	24324281	NPY		4852	0.389655569	0.322312269
ENSG00000161509	chr17	72857128	72859127	GRIN2C		2905	0.207721237	0.161361171
ENSG00000204869	chr19	46579877	46581876	IGFL4		444882	0.182779181	0.134056595
ENSG00000222086	chr5	156661810	156663809	NA	NA		0.643745359	0.758233837
ENSG00000207835	chr22	23099685	23101684	NA	NA		0.376806806	0.477678112

ENSG00000211666	chr22	23099689	23101688	IGLV2-14	NA		0.376806806	0.477678112
ENSG00000203477	chr17	26629595	26631594	NA	NA		0.606972614	0.714899577
ENSG00000133742	chr8	86290744	86292743	CA1		759	0.426801585	0.501995958
ENSG00000231575	chr10	95867373	95869372	NA	NA		0.449919789	0.514821283
ENSG00000252731	chr1	204621815	204623814	NA	NA		0.427643271	0.482913835
ENSG00000213962	chr2	178862998	178864997	API5P2	NA		0.530070052	0.624359623
ENSG00000031003	chr5	137387151	137389150	FAM13B		51306	0.515227556	0.606707846
ENSG00000225126	chr1	7501115	7503114	NA	NA		0.396154801	0.46754285
ENSG00000253739	chr8	38023137	38025136	NA	NA		0.528561361	0.480036025
ENSG00000216523	chr6	85675844	85677843	NA	NA		0.076816522	0.12288469
ENSG00000249901	chr4	159430561	159432560	NA	NA		0.538453772	0.596486277
ENSG00000166986	chr12	57867728	57869727	MARS	4141;102465454		0.267811187	0.348652761
ENSG00000252827	chr12	96820765	96822764	RN7SKP11	NA		0.496543833	0.560787015
ENSG00000157168	chr8	31495402	31497401	NRG1		3084	0.221449573	0.16912623
ENSG00000236603	chr6	30452217	30454216	RANP1	NA		0.266936574	0.31709301
ENSG00000111783	chr12	106975185	106977184	RFX4		5992	0.171032567	0.125217088
ENSG00000172554	chr2	945054	947053	SNTG2		54221	0.243034894	0.188650756
ENSG00000211819	chr14	22781422	22783421	TRAV40	NA		0.182746227	0.235022
ENSG00000235231	chr22	24371617	24373616	NA	NA		0.179325537	0.133562848
ENSG00000258981	chr14	52582820	52584819	COX5AP2	NA		0.305761963	0.380043504
ENSG00000166024	chr10	99892887	99894886	R3HCC1L		27291	0.102499907	0.148234598
ENSG00000204794	chr9	68809407	68811406	PGM5P1	NA		0.429904764	0.359768983
ENSG00000252021	chr20	43631489	43633488	NA	NA		0.518380599	0.609586605
ENSG00000231193	chr9	32841261	32843260	NA	NA		0.296772867	0.381166014
ENSG00000200034	chr2	9880413	9882412	RNU4-73P	NA		0.381078658	0.446920129
ENSG00000233936	chr9	138144055	138146054	NA	NA		0.219611194	0.266233441
ENSG00000231403	chr2	11529994	11531993	NA	NA		0.230236753	0.297043846
ENSG00000257467	chr12	81662954	81664953	NA	NA		0.406816922	0.470870241
ENSG00000236717	chr9	94919228	94921227	NA	NA		0.281421093	0.352394305
ENSG00000226699	chr10	135163731	135165730	NA	NA		0.475477594	0.535774462
ENSG00000255671	chr12	300702	302701	NA	NA		0.269636918	0.339173341
ENSG00000259837	chr18	927495	929494	NA		388456	0.253455646	0.335803117
ENSG00000239435	chr22	17063108	17065107	KCNMB3P1	NA		0.508036749	0.59691599
ENSG00000270587	chr17	61688045	61690044	NA	NA		0.231543707	0.186059003

ENSG00000238905	chr3	57455478	57457477	NA	NA		0.497765299	0.584870257
ENSG00000237187	chr5	92920855	92922854	NR2F1-AS1		441094	0.274329566	0.228874991
ENSG00000202147	chr11	6036726	6038725	RNA5SP329	NA		0.377476022	0.320795925
ENSG00000213727	chr22	16403198	16405197	NA	NA		0.124408431	0.218412286
ENSG00000236366	chr6	142958527	142960526	NA		153910	0.482817435	0.553708062
ENSG00000187391	chr7	79082391	79084390	MAGI2		9863	0.23838033	0.192994451
ENSG00000171199	chr4	71262099	71264098	PROL1		58503	0.308750115	0.363248076
ENSG00000258868	chr14	49543724	49545723	NA	NA		0.331907757	0.28200126
ENSG00000233802	chr11	89655732	89657731	TRIM49D2P	NA		0.266912326	0.332403913
ENSG00000253517	chr8	63769194	63771193	XRCC6P4	NA		0.184774214	0.24369346
ENSG00000201758	chr1	245105712	245107711	RN7SKP55	NA		0.435267536	0.511275567
ENSG00000176734	chr7	28997435	28999434	TRIL	NA		0.291266942	0.245965698
ENSG00000251857	chr12	66458501	66460500	RNA5SP362	NA		0.340847806	0.405270636
ENSG00000226937	chr10	45642170	45644169	CEP164P1	NA		0.270142013	0.224898224
ENSG00000262768	chr17	77772897	77774896	NA	NA		0.215275182	0.17004762
ENSG00000235282	chr1	18838112	18840111	NA	NA		0.273444766	0.354268284
ENSG00000254648	chr11	133906503	133908502	NA	NA		0.275308775	0.230113252
ENSG00000246790	chr11	121323223	121325222	NA	NA		0.326850063	0.27771457
ENSG00000151388	chr5	33891798	33893797	ADAMTS12		81792	0.202051119	0.156938711
ENSG00000269037	chr19	35394719	35396718	NA		100652911	0.207819339	0.162716931
ENSG00000261098	chr11	107186498	107188497	NA	NA		0.417243709	0.355144907
ENSG00000253753	chr8	143718449	143720448	NA		101928087	0.373622924	0.442975345
ENSG00000254187	chr5	167086987	167088986	NA	NA		0.243449374	0.322807518
ENSG00000215183	chr9	35756111	35758110	MSMP		692094	0.28159202	0.23656616
ENSG00000267137	chr17	59540246	59542245	NA	NA		0.698290116	0.59553615
ENSG00000261430	chr16	1522186	1524185	NA	NA		0.200839539	0.253433943
ENSG00000249867	chr11	28722662	28724661	NA	NA		0.238607961	0.292687934
ENSG00000250853	chr5	54826030	54828029	RNF138P1		379013	0.310048736	0.369200311
ENSG00000264742	chr1	17006250	17008249	NA	NA		0.436006827	0.511390283
ENSG00000222042	chr21	26705640	26707639	NA	NA		0.456217851	0.354453745
ENSG00000199332	chr6	31369528	31371527	NA	NA		0.229515576	0.181915717
ENSG00000221768	chr9	129292771	129294770	NA	NA		0.490630401	0.567026538
ENSG00000266175	chr22	41456206	41458205	NA	NA		0.395306137	0.336756339
ENSG00000254278	chr8	120080522	120082521	NA		101927513	0.437615496	0.498551239

ENSG00000252920	chr1	152984591	152986590	NA	NA	0.39429456	0.45304401	
ENSG00000106211	chr7	75930361	75932360	HSPB1		3315	0.236709365	0.191949194
ENSG00000070190	chr4	100736490	100738489	DAPP1		27071	0.364743517	0.320027532
ENSG00000167483	chr19	17632610	17634609	FAM129C		199786	0.50395284	0.444342711
ENSG00000269796	chr19	22603815	22605814	NA	NA		0.417263406	0.34990054
ENSG00000272473	chr19	781363	783362	NA	NA		0.138761405	0.228554209
ENSG00000267530	chr19	781255	783254	NA	NA		0.138761405	0.228554209
ENSG00000258509	chr14	45356445	45358444	NA	NA		0.65703037	0.572119118
ENSG00000130487	chr22	50984962	50986961	KLHDC7B		113730	0.462929325	0.404530163
ENSG00000125144	chr16	56701478	56703477	MT1G		4495	0.318252422	0.273681711
ENSG00000154262	chr17	67137530	67139529	ABCA6		23460	0.375905958	0.441046784
ENSG00000240925	chr12	120683763	120685762	RPS20P31	NA		0.268321131	0.338308127
ENSG00000226803	chr6	57038535	57040534	NA		101927211	0.198757573	0.243232474
ENSG00000196586	chr6	76457409	76459408	MYO6		4646	0.294479721	0.250047045
ENSG00000268317	chr16	56665651	56667650	NA	NA		0.480629856	0.400208509
ENSG00000235470	chr10	105276651	105278650	NA	NA		0.435835497	0.510348709
ENSG00000230018	chr10	115240875	115242874	NA	NA		0.372971255	0.459511976
ENSG00000234593	chr1	14677019	14679018	NA	NA		0.483236503	0.550302687
ENSG00000264303	chr5	171196034	171198033	NA	NA		0.451026957	0.385057744
ENSG00000263769	chr16	1944438	1946437	RN7SL367P	NA		0.435215552	0.371512363
ENSG00000248596	chr5	175625799	175627798	NA		643201	0.471669855	0.402054
ENSG00000235029	chr7	156797501	156799500	MNX1-AS2	NA		0.552250942	0.451579252
ENSG00000226263	chr20	13219822	13221821	ISM1-AS1		100505536	0.386282796	0.448479871
ENSG00000252839	chr14	73713089	73715088	RNU6-419P	NA		0.381260567	0.430925832
ENSG00000197360	chr19	22714788	22716787	ZNF98		148198	0.438978812	0.372744079
ENSG00000269364	chr19	22713928	22715927	NA		100128139	0.438978812	0.372744079
ENSG00000164879	chr8	86284165	86286164	CA3		761	0.610839246	0.713979302
ENSG00000256789	chr11	63403649	63405648	NA	NA		0.355374722	0.413794053
ENSG00000115129	chr2	24308232	24310231	TP53I3		9540	0.362417542	0.318346464
ENSG00000252543	chr8	8915641	8917640	NA	NA		0.459874397	0.533447328
ENSG00000188783	chr1	203443456	203445455	PRELP		5549	0.171704051	0.245688859
ENSG00000136732	chr2	127412009	127414008	GYPC		2995	0.46433757	0.402969713
ENSG00000165025	chr9	93562569	93564568	SYK		6850	0.25964817	0.215689822
ENSG00000267293	chr18	43606772	43608771	NA	NA		0.372922274	0.426131789

ENSG00000162998	chr2	183731391	183733390	FRZB		2487	0.311330729	0.267395379
ENSG00000258197	chr20	21490585	21492584	NKX2-2-AS1	NA		0.401023859	0.331726148
ENSG00000199552	chr5	40653565	40655564	NA	NA		0.24650362	0.290378356
ENSG00000141527	chr17	78142291	78144290	CARD14		79092	0.402667367	0.462526246
ENSG00000238628	chr6	88429133	88431132	NA	NA		0.677083509	0.790463769
ENSG00000200411	chr11	96207357	96209356	RNA5SP346	NA		0.432194265	0.369636886
ENSG00000267291	chr19	39085486	39087485	NA	NA		0.149492759	0.220871462
ENSG00000261466	chr16	33356376	33358375	NA	NA		0.294438989	0.349818322
ENSG00000257179	chr14	25736043	25738042	HMG2P6	NA		0.627443083	0.732344219
ENSG00000230500	chr10	28032215	28034214	NA		101929202	0.146609238	0.102855695
ENSG00000258532	chr14	84380895	84382894	NA	NA		0.3063766	0.388304198
ENSG00000236434	chr1	51731247	51733246	NA	NA		0.265522119	0.221772866
ENSG00000163216	chr1	153013908	153015907	SPRR2D		6703	0.287352359	0.340463201
ENSG00000249082	chr5	134375238	134377237	NA		101927953	0.308282612	0.264584265
ENSG00000180178	chr2	130808205	130810204	FAR2P1		440905	0.539533087	0.461994962
ENSG00000249241	chr4	40317002	40319001	NA		101060498	0.163843679	0.120166268
ENSG00000258636	chr14	42073560	42075559	NA	NA		0.344471476	0.29406414
ENSG00000233256	chr10	13455702	13457701	NA	NA		0.406637835	0.465485697
ENSG00000104760	chr8	17767375	17769374	FGL1		2267	0.300040568	0.344983759
ENSG00000166329	chr17	55822174	55824173	CCDC182		101927581	0.378693384	0.431474194
ENSG00000233818	chr21	37816529	37818528	NA	NA		0.459464947	0.536227683
ENSG00000212383	chr12	57253659	57255658	NA	NA		0.206931118	0.163427228
ENSG00000047346	chr15	53001515	53003514	FAM214A		56204	0.4876548	0.538591693
ENSG00000256389	chr12	17740691	17742690	NA	NA		0.194358757	0.245817636
ENSG00000221659	chr3	21179334	21181333	NA	NA		0.583909127	0.500592083
ENSG00000270408	chr20	10626515	10628514	NA	NA		0.440241594	0.50695605
ENSG00000202027	chr1	155091466	155093465	NA	NA		0.369397812	0.418477325
ENSG00000237020	chr14	106356566	106358565	IGHD1-20	NA		0.262866509	0.219476048
ENSG00000237473	chr3	172870027	172872026	NA	NA		0.554561876	0.646545687
ENSG00000254827	chr11	2924471	2926470	SLC22A18AS		5003	0.350639615	0.405572425
ENSG00000225361	chr9	138372124	138374123	PPP1R26-AS1		100506599	0.208211778	0.164827618
ENSG00000271536	chr2	74103193	74105192	NA	NA		0.343175365	0.400575524
ENSG00000254830	chr11	98815310	98817309	NA	NA		0.516578338	0.442889604
ENSG00000163499	chr2	219857644	219859643	CRYBA2		1412	0.179314862	0.136003035

ENSG00000268925	chr10	135342162	135344161	NA	NA		0.401081064	0.342080517
ENSG00000223062	chr1	28149549	28151548	RNU6-1245P	NA		0.259019553	0.315953097
ENSG00000258771	chr15	21286277	21288276	NA	NA		0.476307872	0.553653285
ENSG00000246130	chr8	22924242	22926241	NA		286059	0.330585576	0.266602675
ENSG00000267532	chr17	6922479	6924478	MIR497HG	406971;574456;100506755		0.298792773	0.358365903
ENSG00000260049	chr6	22259153	22261152	NA	NA		0.236744562	0.319117162
ENSG00000254364	chr8	101503256	101505255	NA	NA		0.523647578	0.578608495
ENSG00000250772	chr4	120725171	120727170	NA		101927007	0.174249778	0.217448711
ENSG00000231226	chr6	30071517	30073516	TRIM31-AS1	NA		0.381650274	0.338478561
ENSG00000270281	chr19	35270426	35272425	NA	NA		0.25593351	0.300135819
ENSG00000171564	chr4	155482608	155484607	FGB		2244	0.349970932	0.410931079
ENSG00000254456	chr11	25754817	25756816	NA	NA		0.352088186	0.301630441
ENSG00000250444	chr5	114846274	114848273	CCT5P1	NA		0.203233308	0.282570995
ENSG00000233393	chr21	37475679	37477678	NA	NA		0.484617509	0.416192704
ENSG00000252312	chr14	36700481	36702480	RN7SKP21	NA		0.423082384	0.493006076
ENSG00000233106	chr20	31859964	31861963	RPL12P3	NA		0.423098909	0.482926752
ENSG00000125999	chr20	31859786	31861785	BPIFB1		92747	0.423098909	0.482926752
ENSG00000229052	chr1	93394753	93396752	NA	NA		0.438003412	0.375735404
ENSG00000267073	chr19	1746555	1748554	NA		101928518	0.172990141	0.129961841
ENSG00000250101	chr5	177365123	177367122	NA	NA		0.598464378	0.518397303
ENSG00000239367	chr19	1570360	1572359	RN7SL477P	NA		0.491815096	0.550616472
ENSG00000199512	chr15	59633117	59635116	RNU6-212P	NA		0.512563709	0.439985015
ENSG00000206849	chr15	32219006	32221005	NA	NA		0.192825843	0.250698054
ENSG00000230631	chr6	14231302	14233301	NA	NA		0.361260912	0.421309153
ENSG00000095713	chr10	99790086	99792085	CRTAC1		55118	0.395774431	0.338428865
ENSG00000227683	chr10	45676376	45678375	NA	NA		0.419458564	0.484622491
ENSG00000166900	chr11	59479429	59481428	STX3		6809	0.372503981	0.437894448
ENSG00000242370	chr3	156164195	156166194	KCNAB1-AS1		100874084	0.494322207	0.575429718
ENSG00000224886	chr10	81444240	81446239	BEND3P3	NA		0.443222951	0.499279011
ENSG00000204310	chr6	32145374	32147373	AGPAT1		10554	0.146059503	0.103194319
ENSG00000272211	chr2	197014487	197016486	NA	NA		0.707407305	0.608032072
ENSG00000260895	chr11	68869461	68871460	NA	NA		0.317012788	0.369178855
ENSG00000207182	chr4	147499700	147501699	RNU1-44P	NA		0.441782374	0.505454987
ENSG00000254532	chr11	30105391	30107390	NA	NA		0.216284301	0.173487152

ENSG00000272781	chr14	48143500	48145499	NA		161357	0.228736181	0.185975675
ENSG00000252738	chr6	45612341	45614340	RNU6-515P	NA		0.277556328	0.33516756
ENSG00000258945	chr14	85993443	85995442	NA	NA		0.134312882	0.091600441
ENSG00000261226	chr16	89005560	89007559	NA	NA		0.171900943	0.129223007
ENSG00000204983	chr7	142455819	142457818	PRSS1	5644;5645		0.327521064	0.37884843
ENSG00000224582	chr6	29495697	29497696	LINC01015		100507362	0.399938681	0.461372029
ENSG00000260205	chr10	22505503	22507502	NA	NA		0.465577032	0.539439849
ENSG00000252446	chr17	16593612	16595611	RNU6-405P	NA		0.39417199	0.436786982
ENSG00000259275	chr15	96895966	96897965	NA	NA		0.520418064	0.451804723
ENSG00000207278	chr18	3894306	3896305	RNU6-831P	NA		0.45590335	0.532577769
ENSG00000207599	chr19	54177465	54179464	MIR520E		574461	0.335853954	0.430546749
ENSG00000255440	chr11	74118605	74120604	NA	NA		0.429812439	0.499962187
ENSG00000186881	chr9	107264955	107266954	OR13F1		138805	0.114550855	0.196739822
ENSG00000263167	chr17	79108071	79110070	NA	NA		0.451200953	0.516882065
ENSG00000189367	chr6	127780037	127782036	KIAA0408	9729;387104		0.470952922	0.521483773
ENSG00000251059	chr4	82084594	82086593	NA		101928942	0.175341123	0.247602271
ENSG00000255029	chr11	29539123	29541122	NA	NA		0.29384603	0.246954084
ENSG00000128268	chr22	39851849	39853848	MGAT3		4248	0.41063016	0.453000186
ENSG00000261550	chr16	53086286	53088285	NA	NA		0.503526132	0.585072427
ENSG00000123636	chr2	160472704	160474703	BAZ2B		29994	0.35070044	0.303851871
ENSG00000236996	chr6	53862188	53864187	MLIP-IT1		100874282	0.479659799	0.41259759
ENSG00000211599	chr2	89195248	89197247	IGKV5-2	NA		0.480885801	0.558763441
ENSG00000187173	chr1	152669340	152671339	LCE2A		353139	0.310322672	0.36149372
ENSG00000162624	chr1	75592619	75594618	LHX8		431707	0.411942387	0.347779804
ENSG00000160781	chr1	156217382	156219381	PAQR6		79957	0.399732307	0.442024759
ENSG00000229315	chr6	100440320	100442319	MCHR2-AS1		728012	0.271875011	0.229626821
ENSG00000212565	chr17	46956702	46958701	NA	NA		0.413066825	0.455298881
ENSG00000248895	chr17	46956984	46958983	NA	NA		0.413066825	0.455298881
ENSG00000179750	chr22	39376852	39378851	APOBEC3B		9582	0.255820066	0.213590986
ENSG00000254952	chr11	59927796	59929795	NA	NA		0.2115396	0.27537781
ENSG00000236664	chr2	178876217	178878216	NA	NA		0.504782894	0.581600808
ENSG00000257325	chr12	101252541	101254540	NA	NA		0.227236684	0.272366294
ENSG00000239572	chr3	87842280	87844279	NA	NA		0.201180822	0.158990302
ENSG00000080709	chr5	113695142	113697141	KCNN2		3781	0.254284513	0.20650856

ENSG00000100351	chr22	40295586	40297585	GRAP2		9402	0.227996688	0.181877637
ENSG00000221058	chr18	51612527	51614526	NA	NA		0.552259562	0.641126535
ENSG00000267535	chr17	74844758	74846757	LINC00868		101928538	0.440017062	0.505753042
ENSG00000259159	chr11	119216869	119218868	NA	83552;114902		0.263065281	0.310674529
ENSG00000223953	chr11	119216884	119218883	C1QTNF5	83552;114902		0.263065281	0.310674529
ENSG00000235718	chr11	119216884	119218883	MFRP	83552;114902		0.263065281	0.310674529
ENSG00000253447	chr5	173513063	173515062	NA	NA		0.512270115	0.562699919
ENSG00000211794	chr14	22432180	22434179	TRAV12-3	NA		0.091981317	0.14526431
ENSG00000230758	chr20	47654640	47656639	SNAP23P	NA		0.751321058	0.644321254
ENSG00000262154	chr16	2872495	2874494	NA	NA		0.134696565	0.176722296
ENSG00000159516	chr1	153122846	153124845	SPRR2G		6706	0.488824731	0.531426486
ENSG00000174912	chr3	156432218	156434217	METTL15P1	NA		0.292377541	0.250383679
ENSG00000253597	chr14	106928389	106930388	IGHVII-43-1	NA		0.703316177	0.605852743
ENSG00000081277	chr1	201251080	201253079	PKP1		5317	0.526364834	0.477893729
ENSG00000227818	chr1	162007306	162009305	NA	NA		0.357242682	0.412037351
ENSG00000134285	chr12	49319758	49321757	FKBP11		51303	0.413591153	0.480153787
ENSG00000260976	chr1	184969159	184971158	NA		101929069	0.419896504	0.487903543
ENSG00000254851	chr11	117004744	117006743	NA	NA		0.437851297	0.508146031
ENSG00000230779	chr1	153196056	153198055	NA	NA		0.420773257	0.488307714
ENSG00000242001	chr3	125398649	125400648	NA	NA		0.54666508	0.645360085
ENSG00000197915	chr1	152196170	152198169	HRNR		388697	0.54517275	0.620934379
ENSG00000237664	chr21	46761406	46763405	LINC00316		388830	0.33454567	0.390166451
ENSG00000202177	chr3	101672421	101674420	NA	NA		0.580864884	0.673249978
ENSG00000129467	chr14	24803800	24805799	ADCY4		196883	0.402458687	0.355267359
ENSG00000227220	chr6	132270586	132272585	NA	NA		0.268520335	0.215847371
ENSG00000231292	chr2	114162473	114164472	IGKV1OR2-108	NA		0.15294306	0.241202973
ENSG00000244561	chr3	109113963	109115962	NA	NA		0.107317563	0.199896013
ENSG00000180318	chr12	85672385	85674384	ALX1		8092	0.353383409	0.311733347
ENSG00000183023	chr2	40837694	40839693	SLC8A1		6546	0.63161158	0.731746327
ENSG00000268626	chr17	72347772	72349771	NA	NA		0.25741935	0.215786803
ENSG00000201140	chr9	119957897	119959896	RN7SKP128	NA		0.491587433	0.569696387
ENSG00000215441	chr9	27610244	27612243	CTAGE12P	NA		0.417571045	0.486393083
ENSG00000259256	chr18	3350058	3352057	NA	NA		0.248154191	0.289995825
ENSG00000112837	chr6	85473738	85475737	TBX18		9096	0.276933634	0.217434725

ENSG00000078399	chr7	27209618	27211617	HOXA9	3205;442920		0.339944705	0.29855895
ENSG00000248550	chr14	57278401	57280400	OTX2-AS1		100309464	0.573486128	0.482698428
ENSG00000133863	chr8	30747623	30749622	TEX15		56154	0.286433332	0.352993767
ENSG00000187918	chr11	5473138	5475137	OR51I2		390064	0.561824221	0.649211785
ENSG00000088882	chr20	2780784	2782783	CPXM1		56265	0.214642377	0.167461402
ENSG00000002079	chr7	98834917	98836916	MYH16		84176	0.319458825	0.360747771
ENSG00000260943	chr12	40536179	40538178	NA	NA		0.134164039	0.214677312
ENSG00000234474	chr10	118928071	118930070	NA	NA		0.300168597	0.250502634
ENSG00000254540	chr11	22383341	22385340	NA	NA		0.383515019	0.445225246
ENSG00000150394	chr16	62070440	62072439	CDH8		1006	0.238479668	0.189506813
ENSG00000250242	chr5	114423673	114425672	NA	NA		0.486400195	0.564310539
ENSG00000224891	chr2	37374173	37376172	NA	NA		0.499908666	0.577337712
ENSG00000226785	chr2	34607355	34609354	NA	NA		0.547199322	0.633419772
ENSG00000169715	chr16	56657887	56659886	MT1E		4493	0.338738801	0.27500098
ENSG00000113083	chr5	121413481	121415480	LOX		4015	0.189302574	0.148121701
ENSG00000202445	chr9	97268520	97270519	RNU6-669P	NA		0.469694201	0.541292723
ENSG00000175164	chr9	136150118	136152117	ABO		28	0.323218798	0.282064918
ENSG00000244575	chr2	89512914	89514913	IGKV1-27	NA		0.295301816	0.336450132
ENSG00000173673	chr1	6302752	6304751	HES3		390992	0.243967749	0.20282269
ENSG00000267406	chr19	14379690	14381689	NA	NA		0.180524983	0.248072358
ENSG00000080007	chr6	74102971	74104970	DDX43		55510	0.363887491	0.406852068
ENSG00000143772	chr1	226926525	226928524	ITPKB		3707	0.299044537	0.25212918
ENSG00000181800	chr10	11361348	11363347	CELF2-AS1		414196	0.484508545	0.555616032
ENSG00000261730	chr6	1384802	1386801	NA	NA		0.366018042	0.312140177
ENSG00000228667	chr10	25155074	25157073	NA	NA		0.361835031	0.312197547
ENSG00000251244	chr4	156435379	156437378	NA	NA		0.338036631	0.39512328
ENSG00000235200	chr1	67993813	67995812	NA	NA		0.241626658	0.282581199
ENSG00000211649	chr22	22722482	22724481	IGLV7-46	NA		0.365534468	0.306659199
ENSG00000240443	chr12	48880229	48882228	RPS10P20	NA		0.30888557	0.381545577
ENSG00000255353	chr11	107045512	107047511	NA	NA		0.60497242	0.522902263
ENSG00000255144	chr8	11753880	11755879	NA	NA		0.762038052	0.659063661
ENSG00000224015	chr5	131516322	131518321	NA	NA		0.425780786	0.493452865
ENSG00000207584	chr7	27208684	27210683	MIR196B		442920	0.208621839	0.167735106
ENSG00000184254	chr15	101416419	101418418	ALDH1A3		220	0.257926271	0.332035586

ENSG00000249948	chr4	22693037	22695036	GBA3		57733	0.527442986	0.593022156
ENSG00000255569	chr14	22088491	22090490	TRAV1-1	NA		0.159917428	0.201386844
ENSG00000110777	chr11	111325856	111327855	POU2AF1	5450;101928620		0.228019432	0.299311519
ENSG00000260600	chr16	61727155	61729154	NA	NA		0.69004818	0.596927833
ENSG00000223838	chr7	19391657	19393656	NA	NA		0.191027972	0.231750547
ENSG00000231413	chr1	48547369	48549368	NA	NA		0.339248794	0.392541589
ENSG00000216490	chr19	18282472	18284471	IFI30		10437	0.507358189	0.448301484
ENSG00000173250	chr5	145895254	145897253	GPR151		134391	0.102049038	0.143513009
ENSG00000231424	chr1	171220434	171222433	NA	NA		0.321746794	0.281092736
ENSG00000233540	chr1	171831827	171833826	DNM3-IT1	NA		0.484584935	0.547548034
ENSG00000235226	chr1	159727460	159729459	NA	NA		0.533964288	0.617199894
ENSG00000267637	chr17	57860674	57862673	NA	NA		0.532344277	0.615324622
ENSG00000267079	chr18	11913844	11915843	NA	NA		0.581947499	0.503439745
ENSG00000225548	chr3	27842753	27844752	NA	NA		0.454245812	0.520708823
ENSG00000267610	chr19	13181689	13183688	NA	NA		0.117296659	0.076782658
ENSG00000268078	chr16	86191905	86193904	NA	NA		0.479626761	0.55427372
ENSG00000181495	chr5	32787445	32789444	NA	NA		0.430549488	0.500668682
ENSG00000230736	chr22	32771151	32773150	NA		339666	0.37894597	0.436723897
ENSG00000243519	chr22	32771169	32773168	IGLVIVOR22-2	NA		0.37894597	0.436723897
ENSG00000232978	chr9	19292075	19294074	NA	NA		0.597448739	0.689879668
ENSG00000233859	chr6	66547448	66549447	ADH5P4	NA		0.24905115	0.306531267
ENSG00000230622	chr6	31578634	31580633	UQCRHP1	NA		0.578287285	0.500628539
ENSG00000267736	chr19	1201708	1203707	HMGB2P1	NA		0.407544853	0.471045882
ENSG00000234255	chr2	65683206	65685205	NA	NA		0.430531781	0.470947749
ENSG00000207371	chr6	41884765	41886764	NA	NA		0.551572123	0.636889864
ENSG00000070269	chr14	56953572	56955571	TMEM260		54916	0.298291748	0.351061443
ENSG00000200494	chr20	16650888	16652887	NA	NA		0.574953856	0.663751385
ENSG00000183549	chr16	20419356	20421355	ACSM5		54988	0.494542146	0.571896414
ENSG00000173193	chr3	122397965	122399964	PARP14		54625	0.268088317	0.227777245
ENSG00000215367	chr4	1147015	1149014	TMED11P		100379220	0.190707773	0.263882062
ENSG00000244425	chr22	24221478	24223477	RN7SL268P	NA		0.278442687	0.352908728
ENSG00000204308	chr6	32144631	32146630	RNF5		6048	0.155365161	0.115086294
ENSG00000259721	chr15	33010709	33012708	NA		100131315	0.372612815	0.301371058
ENSG00000205364	chr16	56664645	56666644	MT1M		4499	0.48495624	0.413096137

ENSG00000237429	chr1	27850816	27852815	NA	NA		0.387350538	0.338930586
ENSG00000134443	chr18	56885900	56887899	GRP		2922	0.200934898	0.160663016
ENSG00000233918	chr7	61820369	61822368	NA	NA		0.33474087	0.389954337
ENSG00000264621	chr4	39412030	39414029	MIR5591		100847065	0.271601627	0.342834043
ENSG00000180663	chr16	31819666	31821665	VN1R3	NA		0.55302569	0.638322435
ENSG00000137674	chr11	102495564	102497563	MMP20		9313	0.432231651	0.491138286
ENSG00000162892	chr1	207069288	207071287	IL24		11009	0.511276486	0.57976481
ENSG00000178033	chr6	116831309	116833308	FAM26E		254228	0.116169381	0.184640612
ENSG00000261786	chr3	44157291	44159290	NA	NA		0.227791493	0.294092457
ENSG00000143631	chr1	152297180	152299179	FLG		2312	0.477758313	0.548976231
ENSG00000177684	chr6	49931319	49933318	DEFB114		245928	0.313378166	0.362258435
ENSG00000197405	chr19	47791780	47793779	C5AR1		728	0.336487159	0.410487371
ENSG00000243766	chr7	27236694	27238693	HOTTIP		100316868	0.212804243	0.172677631
ENSG00000270427	chr10	5816534	5818533	NRBF2P5	NA		0.905777483	0.785553991
ENSG00000154822	chr3	16842659	16844658	PLCL2		23228	0.284363876	0.244270311
ENSG00000221938	chr7	143824651	143826650	OR2A14		135941	0.37732121	0.435788053
ENSG00000229941	chr2	178561657	178563656	NA	NA		0.486284187	0.55610149
ENSG00000268458	chr19	52644379	52646378	NA	NA		0.441439215	0.523500259
ENSG00000243680	chr19	52644796	52646795	RPL37P23	NA		0.441439215	0.523500259
ENSG00000198576	chr8	143696334	143698333	ARC		23237	0.16990462	0.129883953
ENSG00000258831	chr15	94423811	94425810	NA	NA		0.524320286	0.604311616
ENSG00000206579	chr8	56013449	56015448	XKR4		114786	0.178781933	0.138864638
ENSG00000233427	chr1	29203349	29205348	NA	NA		0.275340175	0.235443431
ENSG00000180909	chr11	6173319	6175318	OR52B1P	NA		0.564964262	0.651373448
ENSG00000234083	chr21	29325740	29327739	NA	NA		0.499884899	0.570419991
ENSG00000259772	chr15	31522542	31524541	NA	NA		0.310897826	0.369508272
ENSG00000267541	chr18	45379329	45381328	NA	NA		0.55225646	0.637243927
ENSG00000238883	chr1	107990678	107992677	NA	NA		0.568485237	0.655091309
ENSG00000221864	chr21	46086345	46088344	KRTAP12-2		353323	0.239300782	0.303238117
ENSG00000272317	chr9	125016712	125018711	NA	NA		0.466377538	0.53772025
ENSG00000244503	chr3	149210947	149212946	NA	NA		0.366226405	0.314383199
ENSG00000244020	chr1	237167219	237169218	MT1HL1		645745	0.355224851	0.405515943
ENSG00000225807	chr7	100105840	100107839	NA	NA		0.27138891	0.341805444
ENSG00000206631	chr10	95915003	95917002	RNU6-657P	NA		0.402293861	0.461418376

ENSG00000256546	chr12	122499712	122501711	NA		100506691	0.504603628	0.547254322
ENSG00000179615	chr12	55966699	55968698	OR2AP1		121129	0.377023162	0.288539915
ENSG00000255823	chr11	10530224	10532223	MTRNR2L8		100463486	0.258851572	0.219237641
ENSG00000199475	chr7	97228073	97230072	RN7SKP104	NA		0.275237602	0.348823134
ENSG00000226990	chr10	8441323	8443322	NA	NA		0.470545533	0.542362886
ENSG00000262031	chr17	44988379	44990378	NA	NA		0.482141428	0.535753601
ENSG00000259846	chr16	64397184	64399183	NA	NA		0.529623505	0.610145246
ENSG00000269620	chr1	159879660	159881659	NA	NA		0.427523075	0.388003852
ENSG00000223727	chr3	3668481	3670480	NA	NA		0.497107545	0.570778523
ENSG00000167332	chr11	4718585	4720584	OR51E2		81285	0.441236202	0.497651041
ENSG00000259569	chr15	89110018	89112017	NA	NA		0.267234146	0.227752698
ENSG00000255218	chr11	58085348	58087347	OR5BC1P	NA		0.248062084	0.31286251
ENSG00000227869	chr7	125069901	125071900	NA	NA		0.318442349	0.265117576
ENSG00000225411	chr9	68409394	68411393	NA	NA		0.370537258	0.320986404
ENSG00000259439	chr2	45165839	45167838	NA		100130502	0.282068557	0.233439019
ENSG00000238836	chr5	38081346	38083345	NA	NA		0.151564273	0.227529713
ENSG00000232462	chr10	49363678	49365677	NA	NA		0.246016565	0.319733451
ENSG00000207316	chr3	88478841	88480840	NA	NA		0.618173827	0.536930959
ENSG00000200064	chr13	50482367	50484366	RNY4P9	NA		0.271857929	0.226835996
ENSG00000132692	chr1	156609682	156611681	BCAN		63827	0.248651891	0.209298695
ENSG00000127324	chr12	71835179	71837178	TSPAN8		7103	0.36451677	0.418442094
ENSG00000254065	chr8	48504672	48506671	NA	NA		0.533123161	0.454078469
ENSG00000212057	chr13	95117145	95119144	NA	NA		0.345943161	0.406654878
ENSG00000237283	chr1	188679512	188681511	NA	NA		0.47107604	0.542131601
ENSG00000206066	chr22	25712723	25714722	IGLL3P	NA		0.336159078	0.385383314
ENSG00000248874	chr5	23949957	23951956	C5orf17	NA		0.333273679	0.372595843
ENSG00000222795	chr8	101843589	101845588	RNU4-83P	NA		0.186374451	0.23071466
ENSG00000133106	chr13	43565908	43567907	EPSTI1		94240	0.248750818	0.200593009
ENSG00000234174	chr2	113932438	113934437	NA	NA		0.225848472	0.186613505
ENSG00000103021	chr16	58263561	58265560	CCDC113		29070	0.663171156	0.576316113
ENSG00000248916	chr3	129043770	129045769	NUP210P3	NA		0.772825314	0.678626889
ENSG00000120645	chr12	174431	176430	IQSEC3	440073;100996825		0.172745571	0.133540931
ENSG00000223806	chr21	40118885	40120884	LINC00114		400866	0.629353179	0.72386944
ENSG00000251169	chr5	133840743	133842742	NA		101927934	0.088079829	0.140114531

ENSG00000250241	chr4	134069772	134071771	NA		101927359	0.160610748	0.121574574
ENSG00000237126	chr2	233476182	233478181	NA	NA		0.090856115	0.172811472
ENSG00000213225	chr2	130985449	130987448	NA	NA		0.219793587	0.258828705
ENSG00000203819	chr1	149821840	149823839	HIST2H2BC		337873	0.149953612	0.188966666
ENSG00000207805	chr11	2154940	2156939	MIR483		619552	0.368247538	0.422095117
ENSG00000238618	chr1	51696529	51698528	NA	NA		0.316246762	0.270240621
ENSG00000253806	chr8	143808609	143810608	NA	NA		0.299445425	0.260475276
ENSG00000243012	chr3	153148145	153150144	NA	NA		0.51517228	0.591658242
ENSG00000201109	chr7	129665617	129667616	RNA5SP245	NA		0.371701179	0.332756985
ENSG00000259859	chr16	64768328	64770327	NA	NA		0.424165191	0.492381632
ENSG00000199710	chr1	111306629	111308628	NA	NA		0.400537085	0.458980918
ENSG00000223096	chr2	179005775	179007774	RNU5E-9P	NA		0.304323608	0.382530911
ENSG00000242486	chr6	98154135	98156134	NA	NA		0.453858607	0.51823288
ENSG00000215474	chr18	44775055	44777054	SKOR2		652991	0.451855083	0.392026513
ENSG00000220993	chr16	48683742	48685741	NA	NA		0.621194786	0.713969399
ENSG00000242111	chr9	107031009	107033008	NA	NA		0.582112556	0.66452798
ENSG00000090104	chr1	192543357	192545356	RGS1		5996	0.73488144	0.639641082
ENSG00000183401	chr19	11453860	11455859	CCDC159		126075	0.454781495	0.401894504
ENSG00000249829	chr5	78485872	78487871	NA	NA		0.65972764	0.758005507
ENSG00000233977	chr7	55658267	55660266	NA	NA		0.276853702	0.336528422
ENSG00000243854	chr12	19454914	19456913	RN7SL67P	NA		0.489970305	0.426011887
ENSG00000237955	chr19	54889593	54891592	NA	NA		0.160499646	0.121708503
ENSG00000149548	chr11	124822517	124824516	CCDC15		80071	0.219168764	0.180397056
ENSG00000165606	chr10	50602998	50604997	DRGX		644168	0.211985719	0.167291607
ENSG00000257510	chr12	43039801	43041800	NA		101927058	0.448685224	0.385482185
ENSG00000125398	chr17	70115661	70117660	SOX9		6662	0.304836191	0.256893496
ENSG00000222776	chr14	22247285	22249284	NA	NA		0.399118465	0.460993843
ENSG00000257016	chr12	10703635	10705634	SLC25A39P2	NA		0.586754459	0.672285464
ENSG00000257499	chr12	58118949	58120948	NA		116986	0.169751419	0.249286962
ENSG00000268964	chr19	53546491	53548490	ERVV-2		100271846	0.300186412	0.33879676
ENSG00000118473	chr1	66997566	66999565	SGIP1		84251	0.278693595	0.238409874
ENSG00000237788	chr20	48444162	48446161	NA	NA		0.679920255	0.780585279
ENSG00000257105	chr12	9148663	9150662	NA	NA		0.267904815	0.332420689
ENSG00000258064	chr12	72066484	72068483	NA	NA		0.458510264	0.39323607

ENSG00000120832	chr12	107380445	107382444	MTERFD3		80298	0.250429443	0.211940851
ENSG00000267159	chr19	928318	930317	NA	NA		0.261673069	0.31800149
ENSG00000211525	chr1	230184498	230186497	NA	NA		0.337743281	0.404832555
ENSG00000236502	chr2	45168513	45170512	SIX3-AS1		100506108	0.331125309	0.263687051
ENSG00000221175	chr6	48816060	48818059	NA	NA		0.398862115	0.46847293
ENSG00000256340	chr16	18580984	18582983	ABCC6P1		653190	0.314458254	0.391022073
ENSG00000226541	chr6	46404547	46406546	NA	NA		0.388892243	0.446971177
ENSG00000212184	chr2	202790662	202792661	RNU6-440P	NA		0.449934497	0.51430903
ENSG00000223343	chr3	49026922	49028921	NA	NA		0.139341823	0.10091404
ENSG00000135175	chr7	97619982	97621981	OCM2		4951	0.406415086	0.460453614
ENSG00000237173	chr1	54988997	54990996	NA	NA		0.651638181	0.747818812
ENSG00000252646	chr1	54989559	54991558	NA	NA		0.651638181	0.747818812
ENSG00000116218	chr1	179544588	179546587	NPHS2		7827	0.317202677	0.270468235
ENSG00000201218	chr7	7141813	7143812	NA	NA		0.187532886	0.149135585
ENSG00000185037	chr7	62763935	62765934	ZNF733P		643955	0.425992931	0.501046282
ENSG00000199790	chr4	41085124	41087123	RNU6-836P	NA		0.672210399	0.771180047
ENSG00000270973	chr10	102941209	102943208	NA	NA		0.526066926	0.45816092
ENSG00000264755	chr2	219922973	219924972	MIR3131		100422957	0.218109296	0.179762157
ENSG00000133937	chr14	95236063	95238062	GSC		145258	0.289757082	0.251410301
ENSG00000211914	chr14	106357078	106359077	IGHD6-19	NA		0.26045938	0.222119375
ENSG00000222236	chr4	72624834	72626833	RNA5SP163	NA		0.641220904	0.73563283
ENSG00000092871	chr17	33415839	33417838	RFFL		117584	0.396102147	0.351171123
ENSG00000243062	chr1	179697852	179699851	NA	NA		0.496860596	0.560765922
ENSG00000235119	chr9	117160284	117162283	NA	NA		0.111865704	0.153856458
ENSG00000143125	chr1	110992322	110994321	PROK1		84432	0.413766686	0.473430944
ENSG00000115386	chr2	79345988	79347987	REG1A		5967	0.417221428	0.488962147
ENSG00000265096	chr17	77023238	77025237	C1QTNF1-AS1	NA		0.056456761	0.095381572
ENSG00000239405	chr3	128255363	128257362	TMED10P2	NA		0.443640617	0.509298505
ENSG00000268241	chr2	175201652	175203651	NA	NA		0.300768563	0.256210688
ENSG00000230036	chr10	52365454	52367453	NA	NA		0.504483318	0.578798108
ENSG00000269720	chr19	17502594	17504593	NA	NA		0.419359605	0.363594407
ENSG00000258994	chr14	86797220	86799219	NA	NA		0.539890031	0.619288064
ENSG00000242748	chr20	39823831	39825830	RPL23AP81	NA		0.496900745	0.431198601
ENSG00000233776	chr9	33737915	33739914	NA		101929688	0.484287073	0.552915584

ENSG00000251326	chr4	131295884	131297883	NA	NA		0.396949899	0.480661595
ENSG00000263929	chr1	22335643	22337642	RN7SL186P	NA		0.515100347	0.59085135
ENSG00000201273	chr1	22335978	22337977	RNU6-776P	NA		0.515100347	0.59085135
ENSG00000165973	chr11	20689617	20691616	NELL1		4745	0.235491227	0.172687732
ENSG00000164796	chr8	114448829	114450828	CSMD3		114788	0.198049627	0.159937439
ENSG00000222285	chr5	136304496	136306495	RNA5SP193	NA		0.413065395	0.359749522
ENSG00000220996	chr5	115378459	115380458	NA	NA		0.403365484	0.465299805
ENSG00000255208	chr11	111319093	111321092	NA	NA		0.2769514	0.333155106
ENSG00000148488	chr10	17495830	17497829	ST8SIA6		338596	0.328963865	0.28732756
ENSG00000225370	chr19	55181182	55183181	NA	NA		0.219512465	0.281921735
ENSG00000162576	chr1	1296658	1298657	MXRA8		54587	0.396439426	0.435908542
ENSG00000260930	chr18	53586931	53588930	NA		101927273	0.63678566	0.55472616
ENSG00000237620	chr7	77089275	77091274	GCNT1P5	NA		0.578194599	0.662887763
ENSG00000215165	chr9	38476968	38478967	NA	NA		0.658504317	0.735972142
ENSG00000077063	chr7	117513694	117515693	CTTNBP2		83992	0.35635556	0.318402606
ENSG00000199290	chr6	29716648	29718647	NA	NA		0.225096163	0.187172886
ENSG00000185008	chr3	75954346	75956345	ROBO2		6092	0.424326393	0.371336168
ENSG00000259068	chr14	22732132	22734131	TRAV37	NA		0.361649419	0.261054177
ENSG00000148848	chr10	128076525	128078524	ADAM12		8038	0.232849763	0.194938391
ENSG00000224093	chr1	94056256	94058255	NA		100129046	0.562228099	0.499107589
ENSG00000091592	chr17	5522245	5524244	NLRP1		22861	0.424552144	0.490708334
ENSG00000267223	chr19	30719123	30721122	NA	NA		0.135776333	0.097916178
ENSG00000213536	chr6	166653482	166655481	GNG5P1	NA		0.508237613	0.443352743
ENSG00000074276	chr5	175968012	175970011	CDHR2		54825	0.536551574	0.476823497
ENSG00000233903	chr22	42670861	42672860	NA	NA		0.433785862	0.471583556
ENSG00000252683	chr19	57645136	57647135	NA	NA		0.30847318	0.378874739
ENSG00000271509	chr8	128302978	128304977	NA	NA		0.47736958	0.547015823
ENSG00000237759	chr1	244269167	244271166	NA	NA		0.502602747	0.546330637
ENSG00000239859	chr1	36171376	36173375	RN7SL281P	NA		0.541756008	0.620579979
ENSG00000234142	chr1	166458777	166460776	NA	NA		0.417417348	0.379687221
ENSG00000198885	chr2	96989569	96991568	ITPRIPL1		150771	0.250496725	0.212812053
ENSG00000255737	chr12	58118554	58120553	AGAP2-AS1	NA		0.180163684	0.25978453
ENSG00000251213	chr4	175089565	175091564	NA	NA		0.291584435	0.343261437
ENSG00000227397	chr7	63248787	63250786	NA	NA		0.417164207	0.379495951

ENSG00000106066	chr7	29234568	29236567	CPVL		54504	0.327058254	0.287380837
ENSG00000008853	chr8	22843430	22845429	RHOBTB2		23221	0.248732602	0.309232071
ENSG00000157131	chr1	57318979	57320978	C8A		731	0.368626077	0.427773797
ENSG00000251813	chr1	194456836	194458835	RNU6-983P	NA		0.506802994	0.580384087
ENSG00000176305	chr8	8558166	8560165	NA	NA		0.250175027	0.185087897
ENSG00000267279	chr18	59273650	59275649	NA		100130938	0.401042952	0.466989851
ENSG00000131386	chr3	16214656	16216655	GALNT15		117248	0.322802069	0.368960488
ENSG00000221444	chr15	32685174	32687173	NA	NA		0.238741865	0.324265133
ENSG00000241459	chr15	32686326	32688325	RN7SL185P	NA		0.238741865	0.324265133
ENSG00000213343	chr12	66429515	66431514	NA	NA		0.138565698	0.208019056
ENSG00000235172	chr5	169756933	169758932	NA		257358	0.27436235	0.23681546
ENSG00000231397	chr7	149018684	149020683	NA	NA		0.393507595	0.34329346
ENSG00000234773	chr19	12304330	12306329	NA		100289333	0.306858836	0.244444662
ENSG00000124205	chr20	57873982	57875981	EDN3		1908	0.232336428	0.194835304
ENSG00000197410	chr4	155412431	155414430	DCHS2		54798	0.251512769	0.214014704
ENSG00000228210	chr20	4571447	4573446	NA	NA		0.257183017	0.219696574
ENSG00000265507	chr2	87927774	87929773	MIR4435-1;MIR4435-2	100616341;100616499		0.547653455	0.478322986
ENSG00000107593	chr10	102089744	102091743	PKD2L1		9033	0.303750946	0.347045446
ENSG00000269293	chr6	28104572	28106571	ZSCAN16-AS1		100129195	0.111389382	0.07393557
ENSG00000251810	chr10	28072483	28074482	RN7SKP132	NA		0.276642558	0.316889108
ENSG00000170498	chr1	204165115	204167114	KISS1		3814	0.473730632	0.532030802
ENSG00000237992	chr2	19673711	19675710	NA	NA		0.52938644	0.457698573
ENSG00000229415	chr14	36982535	36984534	SFTA3		253970	0.25627023	0.214226772
ENSG00000197376	chr12	48899637	48901636	OR8S1		341568	0.136877654	0.174237794
ENSG00000214105	chr17	77679575	77681574	NA		100652929	0.40199194	0.469696591
ENSG00000204175	chr10	46992587	46994586	GPRIN2		9721	0.431870115	0.392921958
ENSG00000197601	chr11	13688717	13690716	FAR1		84188	0.089192951	0.051848377
ENSG00000254791	chr11	13689374	13691373	FAR1-IT1	NA		0.089192951	0.051848377
ENSG00000105447	chr19	48947530	48949529	GRWD1		83743	0.250804815	0.212356134
ENSG00000207834	chr22	23005398	23007397	NA	NA		0.295653897	0.348644545
ENSG00000253451	chr22	23005443	23007442	IGLV2-28	NA		0.295653897	0.348644545
ENSG00000211534	chr20	37898683	37900682	NA	NA		0.176306905	0.248295427
ENSG00000201805	chr2	113842882	113844881	RNU6-1180P	NA		0.450792531	0.511806367
ENSG00000103316	chr16	21313905	21315904	CRYM		1428	0.501654562	0.57140139

ENSG00000253354	chr8	40226047	40228046	NA	NA	0.547037978	0.622843366
ENSG00000116675	chr1	65712402	65714401	DNAJC6		9829 0.08182773	0.157158788
ENSG00000138207	chr10	95361002	95363001	RBP4		5950 0.236206732	0.198905527
ENSG00000250107	chr17	48638970	48640969	CACNA1G-AS1		253962 0.169715704	0.132418377
ENSG00000124900	chr11	55649273	55651272	TRIM51		84767 0.126644479	0.171970685
ENSG00000229162	chr1	25286336	25288335	NA	NA	0.449380703	0.5117401
ENSG00000244668	chr3	150438124	150440123	NA	NA	0.408756686	0.446028609
ENSG00000264133	chr19	44166927	44168926	NA	NA	0.764026351	0.666831677
ENSG00000252819	chr20	9047056	9049055	NA	NA	0.280574583	0.243344692
ENSG00000250393	chr4	10144780	10146779	NA	NA	0.145087118	0.18976024
ENSG00000228065	chr10	67328596	67330595	NA	NA	0.689832878	0.599479128
ENSG00000255530	chr8	146230793	146232792	NA	NA	0.413138051	0.472817807
ENSG00000260704	chr13	28526163	28528162	LINC00543	NA	0.362858924	0.311422755
ENSG00000113273	chr5	78281411	78283410	ARSB		411 0.405565337	0.367556456
ENSG00000155052	chr2	124781364	124783363	CNTNAP5		129684 0.301056204	0.239387315

mean.mean.diff	mean.mean.quot.log2	comb.p.val	comb.p.adj.fdr	<b>combinedRank</b>	num.sites	mean.num.na.PTB	mean.num.na.PTB-C
-0.11776	-0.306366958	1.34E-08	0.00056615	24	1	0	0
0.101568053	0.686973666	0.003849828	0.510321901	83	1	0	0
-0.136956694	-0.617793382	0.000294588	0.510321901	95	1	0	0
0.096233226	1.12479827	0.004254411	0.510321901	119	8	0	0
-0.155047099	-0.681062539	0.006130378	0.510321901	137	1	0	0
0.095462906	1.082273187	0.006252771	0.510321901	143	9	0	0
-0.136123784	-0.563053253	0.003740081	0.510321901	151	1	0	0
-0.100322954	-0.558480554	0.003168871	0.510321901	156	1	0	0
-0.137717739	-0.630043319	0.007130247	0.510321901	160	5	0	0
-0.153649235	-0.50899181	2.77E-05	0.390108333	227	1	0	0
-0.099154756	-0.578464936	0.011027812	0.510321901	264	1	0	0
-0.106431536	-0.473950689	0.009592627	0.510321901	296	1	0	0
0.090205763	0.493139615	0.012701473	0.510321901	301	17	0	0
0.097894052	0.466993425	0.009910077	0.510321901	311	6	0	0
-0.133382311	-0.548700251	0.013101319	0.510321901	312	2	0	0
0.082363928	0.871454206	0.013892189	0.510321901	341	3	0	0
0.078894672	0.529144507	0.005672708	0.510321901	410	10	0	0
-0.176073084	-0.432726661	0.004505177	0.510321901	432	1	0	0
-0.149349444	-0.557897286	0.017319394	0.510321901	443	1	0	0
-0.149435023	-0.483427325	0.017785534	0.510321901	455	1	0	0
0.077285816	0.781164726	0.013296977	0.510321901	460	13	0	0
0.11331777	0.417912532	0.018317666	0.510321901	495	1	0	0
0.095380029	0.752965927	0.019743887	0.510321901	505	19	0	0.052631579
-0.097673414	-0.415558285	0.00147216	0.510321901	512	2	0	0
0.07535582	0.517681302	0.009033425	0.510321901	524	1	0	0
-0.123679471	-0.410313338	0.016721639	0.510321901	532	1	0	0
0.075129809	0.451536818	0.01292256	0.510321901	534	1	0	0
0.144260973	0.416754654	0.021601323	0.510321901	562	1	0	0
-0.110354598	-0.403680871	0.006588789	0.510321901	568	2	0	0
-0.104566977	-0.753480175	0.021762982	0.510321901	570	1	0	0
0.099035183	0.401622718	0.012540602	0.510321901	581	2	0	0
0.073703184	0.442935227	0.016436638	0.510321901	583	9	0	0
0.078449507	0.834698122	0.022727662	0.510321901	597	4	0	0

0.076647962	0.396927229	0.018916732	0.510321901	602	1	0	0
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0.072801907	0.523972543	0.014172095	0.510321901	619	13	0	0
-0.126884193	-0.392787182	0.004518155	0.510321901	633	1	0	0
-0.07801411	-0.395847373	0.024407896	0.510321901	664	3	0	0
0.071624878	0.45732291	0.004753125	0.510321901	669	10	0	0
0.071126348	0.393741197	0.021818064	0.510321901	698	1	0	0
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0.079046244	0.37988071	0.002539771	0.510321901	718	1	0	0
-0.1117841	-0.401417221	0.026040338	0.510321901	720	2	0	0
-0.082313932	-0.4823249	0.026052156	0.510321901	721	2	0	0
-0.109671283	-0.378333936	0.015365961	0.510321901	735	1	0	0
-0.075000082	-0.377291848	0.012190925	0.510321901	745	3	0	0
0.079134955	0.376373019	0.013593935	0.510321901	748	3	0	0
0.070713137	0.775043727	0.026669475	0.510321901	751	8	0	0
-0.110945826	-0.605986806	0.026683895	0.510321901	753	1	0	0
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0.085923405	0.372849817	0.015079978	0.510321901	777	3	0	0
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0.073991027	0.458935047	0.027962218	0.510321901	815	14	0	0
0.068975823	0.489217505	0.012468926	0.510321901	818	11	0	0
-0.081412413	-0.419812335	0.028404599	0.510321901	832	3	0	0
-0.122982737	-0.364552824	0.003247673	0.510321901	842	1	0	0
-0.10617126	-0.513501015	0.028999461	0.510321901	850	2	0	0
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0.120452176	0.362373673	0.021396775	0.510321901	860	1	0	0
0.068092296	0.379338526	0.015959906	0.510321901	862	1	0	0
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-0.097302801	-0.387900144	0.02981409	0.510321901	888	1	0	0
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-0.092088664	-0.359133695	0.000450673	0.510321901	897	1	0	0
-0.111646361	-0.358827195	0.027693892	0.510321901	898	1	0	0
0.067433096	0.357170711	0.010842662	0.510321901	907	4	0	0
0.067314137	0.491135296	0.005701593	0.510321901	915	1	0	0
0.067109114	0.396679521	0.029742633	0.510321901	932	8	0	0
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0.073959842	0.349562425	0.004195763	0.510321901	951	2	0	0
0.133127387	0.440503077	0.031283771	0.510321901	952	1	0	0
0.067282804	0.556048769	0.031420646	0.510321901	958	14	0	0
-0.084145019	-0.440823416	0.031971876	0.510321901	980	4	0	0
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-0.077709412	-0.775999218	0.032323057	0.510321901	1002	5	0	0
-0.092326304	-0.4659157	0.032610483	0.510321901	1017	1	0	0
-0.088217921	-0.343826976	0.011803263	0.510321901	1017	3	0	0
-0.114039731	-0.768357117	0.03271604	0.510321901	1020	2	0	0
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-0.097059743	-0.342926932	0.009515552	0.510321901	1027	1	0	0
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-0.061641935	-0.43652308	0.041265831	0.510321901	1438	1	0	0
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11.75	12.36	13.5	25
12.9	13.144	14	24.8
12.0952381	11.97333333	13.66666667	24.66666667
15.35714286	13.92	14	25
13.34285714	13.576	14	25
13	14.68	14	25
13.42857143	12.74666667	13.66666667	24.66666667
11.85714286	12.74666667	13.33333333	25
13.42857143	13.16	14	25
13.35714286	14.36	14	25
12.73809524	13.49333333	14	24.66666667
13.89285714	13.52	14	24.5
13.18181818	13.28	13.90909091	25
14.35714286	12.4	14	25
14	13.48	14	25
14.21428571	12.92	14	24
16.21428571	13.64	14	25
12.57142857	14.08	13.5	25
10.64285714	11.8	13	24
12.42857143	13	14	25
15.5	15.52	14	25
12.92857143	13.31428571	14	24.85714286
13.21428571	12.52	14	25
11.78571429	11.88	13	25
13.07142857	15.56	14	25
12.64285714	14.44	13.5	24.5
11.2244898	11.56	13.85714286	24.57142857
12.9047619	13.41333333	13.33333333	25

9.357142857	9.64	14	22
11.10714286	11.86	14	24.5
12.64285714	14.28	13	25
11.85714286	11.8	14	25
13.32857143	13.232	13.8	24.6
11.41326531	12.01142857	13.57142857	24.42857143
12.17857143	12.41333333	13.83333333	24.33333333
10.71428571	10.84	13.5	25
13.37142857	13.576	14	24.8
17.85714286	19.10666667	14	25
12.2	12.128	14	24.6
10.71428571	10.72	14	25
13.21428571	13.17333333	14	25
10.78571429	14.32	14	25
15.07142857	14.4	14	25
11.35714286	12.36	14	25
10.5	12.36	13	25
10.5	12.36	13	25
11.8452381	11.73333333	13.5	24
10.28571429	12.92	13	25
13.25714286	13.552	14	25
11.25714286	11.704	13.4	24.6
12.5	12.72	14	25
12.96938776	12.59142857	13.78571429	24.64285714
11.07142857	11.6	14	24.5
10.51948052	10.36606061	13.63636364	24.33333333
13.28571429	13.32	14	25
13.21428571	13.52	14	25
11.9047619	12.90666667	13.88888889	24.88888889
13.14285714	12.73333333	14	25
12.14285714	12.24	14	25
11.64285714	10.8	14	24
11.11904762	11.58666667	14	24.66666667
12.78571429	11.92	14	25

13.42857143	15.32	14	25
12.57142857	12.16	14	25
12.46428571	11.06	14	24
13.59693878	13.71142857	13.92857143	24.78571429
14.32142857	13.5	14	24.5
11.5	11.53333333	14	24.66666667
12.71428571	12.62	14	25
14.03571429	14.34	14	25
13.92857143	12.8	14	25
11.53571429	12.59	13.875	24.875
12.07142857	12.68	13.5	25
10.5	11.54	13.5	24.5
11.64285714	12.48	14	25
12.07142857	12.57333333	14	24.66666667
9.535714286	9.22	14	23.5
13.72222222	13.96444444	14	25
13.51020408	13.72285714	13.85714286	24.85714286
11.91428571	12.736	13.6	24.8
13.92857143	15.24	14	25
12.88571429	13.704	13.8	24.8
11.02380952	12.21333333	13	22.66666667
11.64583333	11.93166667	13.625	24.58333333
12.5	13.02	13.83333333	25
12.14285714	12.08	13.5	24.5
12.57142857	13.10666667	14	25
12.10714286	12.58	14	23.75
12.78571429	12.92	14	25
12.85714286	12.48	14	25
11.57142857	12.44	14	25
14	14.74	14	25
13.78571429	13.88	14	25
14.16666667	14.37333333	13.66666667	24.66666667
11.5	12.88	14	25
9.785714286	10.64	14	24

11.10714286	13.46	13.5	25
12.17857143	13.30666667	13.83333333	24.66666667
13.4047619	13.98666667	13.66666667	25
14	14.42	14	25
13.85714286	13.28	13.5	25
13.71428571	13.92	14	25
11.71428571	12.92	14	25
14.25	13.4	14	25
10.64285714	10.64	13	24
12.07142857	10.88	14	23
10.89285714	12.46	13	25
10.96428571	12.34	13.25	24.75
11.28571429	12.6	13.5	25
12.35714286	11.94	14	24.75
12.53571429	11.6	14	25
14.85714286	14.82	14	25
13.71428571	14.92	14	25
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13.57142857	13.28	14	25
13.55357143	13.645	14	24.75
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8.714285714	9.24	13	24
12.2202381	12.59	13.91666667	24.58333333
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12.64285714	13.1	14	25
12.96428571	12.92	14	25
12.58333333	12.74666667	13.83333333	25
15.21428571	14.12	14	25
14.71428571	14.84	14	25
14.75	14.84	14	25
15.28571429	16.68	14	25
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12.23809524	12.94666667	13.66666667	24.33333333

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14.21428571	14.28	14	25
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15.57142857	14.14	14	24.75
10.21428571	11	13	25
12.14285714	14.08	14	25
12.5	14.2	14	25
12.85714286	13.38	14	25
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11.74489796	12.55428571	13.71428571	24.57142857
13.92857143	13.28	14	23
10.71428571	11.88	14	25
11.71428571	11.61333333	13.33333333	24.33333333
14.71428571	14.33333333	14	25
10.46428571	12.54	13	24.5
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13.78571429	13.16	14	24.33333333
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13.66666667	13.21333333	14	25
14.85714286	14.64	14	25
13.02380952	12.10666667	14	24.66666667
13.28571429	12.72	14	25
15.14285714	12.96	14	25
10.16071429	11.37	13.5	24.5
14	14.52	14	25
12.14285714	13.05	14	25
15.07142857	14.32	14	25
12.11904762	12.94666667	13.33333333	25
16.71428571	16.96	14	25
13.26530612	13.07428571	13.85714286	25
13.01020408	13.46857143	13.85714286	24.71428571
11.85714286	11.79	13.5	24.25

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14.05714286	14.184	13.8	24.8
15	14.48	14	25
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13.57142857	13.52	13	25
12.42857143	12.18	14	24.66666667
13.64285714	14.12	14	25
12.07142857	13.24	14	25
12.1377551	12.61428571	13.64285714	24.71428571
12.95918367	13.01142857	14	25
12.42857143	12.24	13.83333333	24.5
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11.5	12.76	14	25
13.07142857	17.12	14	25
13.0952381	13.2	14	25
12.80952381	13.21333333	14	25
12.07142857	13.4	14	25
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11.07142857	10.68	14	24
11.92857143	12.28	14	25
12.98051948	13.42545455	13.72727273	24.90909091
28.07142857	28.48	14	25
13.57142857	13.78	14	25
12.39285714	13.38	14	25
12.39285714	13.38	14	25
12.67857143	11.95333333	14	25
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12.82142857	12.78	14	24.5
10.83333333	11.13333333	13.33333333	24.66666667
11.5	12.6	14	25
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11.92857143	13.05333333	13.33333333	24.66666667

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12.24789916	12.34588235	13.76470588	24.82352941
12.75	12.48	14	25
15.38571429	14.632	14	25
9.142857143	9.32	14	22
13.5	13.32	14	25
13.21428571	13.28	14	25
11.73809524	11.44666667	14	24.66666667
10.07142857	11.28	14	25
14.14285714	14.232	14	25
14.03571429	13.9	14	24.5
11.8961039	11.79454545	13.5	24.45454545
14.85714286	14.56	14	25
11.89285714	11.93	13.75	24.5
11.78571429	11.16	14	24.33333333
12.10714286	13.26	14	24.5
12.5952381	13.89333333	14	25
13.71428571	14.01	13.75	24.75
13.17857143	13.576	14	24.8
12.625	12.91	14	25
11.19897959	11.24571429	13.78571429	24.35714286
14.5	14.12	14	25
13.5	12.94666667	14	25
13.9047619	13.18666667	13.66666667	24.66666667
14.18571429	14.536	14	25
11.64835165	11.70153846	13.61538462	24.61538462
11.64835165	11.70153846	13.61538462	24.61538462
12.49404762	12.54333333	13.66666667	24.66666667
12.5	13.28	14	25
12.97619048	13.09333333	14	24.66666667
12.35714286	14.09333333	13.66666667	25
11.125	11.98	13.5	24.83333333
13.57142857	14.48	14	25
15.21428571	15.84	14	25

13.78571429	12.56	14	25
12.6984127	12.74222222	13.77777778	24.77777778
28.07142857	27.92	14	25
12.30952381	13.29333333	13.66666667	25
12.71428571	14.32	14	25
12.29166667	12.77666667	13.83333333	24.66666667
14.35714286	15.824	13.8	24.8
15.78571429	14.68	14	25
11.89285714	13.16	14	24.5
11.07142857	12.176	13.8	24.4
13.02380952	12.92	14	25
11.35714286	12.6	14	25
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11.42857143	10.88	14	25
13.42857143	14.64	14	25
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12.14285714	12.8	14	25
14.71428571	14.48	14	25
10.92857143	14	13	24
13.64285714	13.76	13	25
14.28571429	15.16	14	25
9.428571429	9.46	14	24
12.5	12.46	14	24.5
9.142857143	10.08	13	25
15	14.8	14	25
14.78571429	12.8	14	25
13.83928571	14.12	13.75	25
12.25714286	13.696	13.4	25
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14.21428571	12.12	14	25
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12.85714286	13.76	14	25
12.13690476	12.29	13.75	24.75
12.13690476	12.29	13.75	24.75

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12.28571429	14.7	13.5	25
13.3125	12.755	13.875	24.625
10.78571429	11.32	14	25
10.81868132	11.10461538	13.76923077	24.38461538
13.97619048	14.18666667	13.66666667	25
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12.45714286	12.808	13.8	24.8
11.92857143	11.84	14	25
11.57142857	14.56	14	25
12.98571429	13.24	13.8	24.8
10.76190476	10.86666667	13.44444444	24
12.85714286	12.65	13.5	24.5
12.5	12.94666667	13.66666667	24.66666667
11	11.235	13.75	24.625
13.89285714	14.26	14	25
19.64285714	18.84	14	25
13.71428571	15.12	14	25
10.42857143	10.76	14	25
13.19642857	14.05	14	24.75
13.57142857	11.76	14	25
12.07142857	12.08	14	25
11.92857143	13.28	14	25
11.92857143	13.28	14	25
14.04761905	14	14	25
12.07142857	11.84	14	25
10.5	10.65230769	13.23076923	23.92307692
12.96428571	13.04	13.7	24.7
13.35714286	13.55555556	14	24.88888889
11.96428571	13.32	14	25
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12.35714286	12.18857143	13.71428571	24.85714286

15.32142857	13.42	14	25
10.78571429	10.6	14	24
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15.17142857	15.16	14	24.8
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13	12.92	14	23
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11.21428571	11.04	14	24
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13.42857143	13.8	14	25
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12.35714286	10.56	14	25
14.58928571	14.6	14	25
12.1122449	12.09142857	13.71428571	24.71428571
11.14285714	12.32	14	25
12.76785714	12.7	13.875	24.875
13.46428571	13.03	14	25
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13.02380952	13.18666667	14	25
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10.5	11.84	13	25
11	11.42	14	25
12.41836735	12.29142857	14	24.71428571
12.0255102	12.40285714	13.5	24.57142857
17.35714286	20.6	14	25
11.25714286	10.912	13.8	23.8
11	12.16	13	25
12.07142857	11.44	13	25
13.34693878	13.37142857	13.85714286	24.42857143
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14.21428571	14.28	14	24
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12	12.92	14	25
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12.78571429	12.85333333	14	24.33333333
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13.70634921	14.04444444	13.77777778	24.77777778
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14.5	14.28	14	25
13.17857143	12.78	13.83333333	25
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12.64285714	14.48	13	25
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11.5931677	11.48	13.56521739	24.39130435
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12.21428571	11.8	14	23
13.02380952	13.06666667	14	24.33333333
11.5	12.96	14	25
11.78571429	14.4	13	25
11.21428571	11.195	13.75	24.625
12.57142857	13.24	13.75	24.75
14.14285714	13.76	14	25
12.32467532	12.34181818	13.72727273	24.81818182
13.5	13.72	14	24
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12.70634921	12.85777778	13.77777778	24.66666667
12.53571429	12.79142857	13.85714286	24.92857143
12.21428571	12.18	14	24.66666667
14.71428571	13.52	14	25
10.97619048	10.74666667	13.66666667	24.33333333
12.17857143	13.4	13.5	25
10.5952381	10.21333333	13	22.33333333
10.78571429	11.32	14	24
15.10714286	14.12	14	24.5
12.35714286	12.16	13	23.33333333
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11.83333333	12.41333333	13.66666667	25
15.21428571	15.4	14	25
12.78571429	12.93333333	14	25

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12.59821429	12.99	14	24.5
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11.14285714	11.88	14	25
11.14285714	11.88	14	25
9.160714286	9.38	10.5	18.75
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12.75714286	12.636	14	24.8
12.64285714	14.5	13.5	25
9.714285714	9.72	14	25
11.92857143	10.64	14	24
13.67142857	12.728	13.8	24.4
11.88961039	12.47636364	13.90909091	24.63636364
14.28571429	15.32	14	25
15.14285714	15.8	14	25
13.19047619	13.28	14	25
9.5	10.28	13	25
12.28571429	12.88	14	25
13.54761905	13.88	13.66666667	24.66666667
11.36428571	11.832	13.3	24.5
13.35714286	13.94	14	25
12.78571429	13.14666667	13.66666667	25
12.11428571	12.392	13.8	24.6
12.11428571	12.392	13.8	24.6
13.85714286	14.28	14	25
14.96428571	15.56	14	25
12.07142857	12.4	14	25
13.60714286	13.26	14	25
15.10714286	14.69	14	25
12.7797619	13.54666667	13.91666667	24.66666667
11.78571429	11.99142857	13.71428571	24.64285714
10.5952381	11.21333333	13.33333333	24.66666667

13.02380952	13.42	13.83333333	24.58333333
13.75	13.49	14	25
13.14285714	13.12	14	25
12.08928571	12.24	13.5	25
14.78571429	13.24	14	25
11.14285714	11.4	14	24
11.97142857	12.512	14	24.8
10.67857143	11.23333333	13.66666667	24.5
12.28571429	11.16	14	25
10.87912088	10.67076923	13.76923077	24.30769231
11.42857143	12.52	14	24
11.42857143	12.12	14	25
13.32857143	13.744	14	25
13.83333333	13.64888889	13.77777778	24.44444444
12.57142857	13.96	14	25
11.60714286	12.52	13.5	24.5
12.17857143	12.248	13.9	24.5
13.57142857	12.73	14	25
11.09285714	11.18	13.4	24.5
12.85714286	12.60666667	14	24.66666667
12	13.04	14	25
14.78571429	13.6	14	25
13.57142857	14.56	14	25
12.82142857	11.34	14	23.5
13.64285714	16.12	14	25
13.08928571	12.97	14	25
13.85714286	14.18	14	25
14.26190476	13.44	14	24.83333333
16.21428571	12.92	14	25
11.33214286	11.826	13.8	24.6
11.03571429	11.86	13.5	25
14.67857143	14.78	14	25
12.71428571	12.88	14	25
11.9744898	11.92857143	13.92857143	24.78571429

10.98979592	11.06285714	13.28571429	24.28571429
14.57142857	15.48	14	25
10.28571429	11.14	14	25
11.48571429	11.864	13.2	24.4
12.7244898	13.04	14	25
13.28571429	13.36	14	25
10.625	11.45	13.75	24.5
14.03571429	14.02	14	25
11.72857143	12.352	13.8	25
14.32142857	15.44	14	25
12.53571429	12.12	14	25
15.92857143	14.8	14	25
14.21428571	14.44	14	25
14.46428571	14.11	13.75	25
11.42857143	12.64	13	25
10.82142857	11.76	13.5	25
10.82142857	11.76	13.5	25
11.64285714	14.16	13	25
11.69047619	11.65333333	13.33333333	24.66666667
11.95535714	12.075	13.75	25
11.35714286	11.3	13.5	25
14.78571429	12.4	14	25
14.71428571	13.88	14	25
12.74285714	12.712	14	24.8
10.63492063	11.04444444	13.33333333	23.88888889
12.11904762	11.96	13.66666667	23.33333333
12.71428571	13.06666667	14	25
14.35714286	14.16	14	25
11.61904762	11.34666667	13.66666667	24.33333333
11.2627551	11.49	13.60714286	24.39285714
13.42857143	11.8	14	24
12.57142857	12.8	14	24.33333333
13.25	12.24	14	25
13.17857143	14.3	14	25

11.61904762	12.05	13.83333333	24.58333333
14	12.72	14	23
13.92857143	13.28	14	25
12.9702381	12.92	13.75	24.66666667
12.75	14.34	14	25
11.66071429	12.51	13.5	24.25
12.28571429	13.1	14	24.5
11.16666667	12.61333333	14	24.66666667
11.52142857	11.624	13.5	24.4
12.32142857	13.18	13.5	25
12.78571429	13.72	14	25
13.35714286	13.08	14	25
12.28571429	13.32	14	25
12.6875	12.3	13.875	24.5
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14.64285714	13.94	14	25
17.21428571	17.88	14	25
11.5952381	12.76	14	24.66666667
13.5	14	14	25
12.81632653	12.78857143	13.85714286	24.71428571
12.35714286	12.4	14	25
9.357142857	12.6	13	25
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12.01428571	12.75733333	13.6	24.33333333
12.26190476	12.61333333	13.88888889	24.55555556
10.30357143	11.31333333	13.33333333	24.41666667
12.14285714	12.82	14	24.5
12.14285714	12.82	14	24.5
12.5	13.664	13.8	25
12.31428571	12.68	13.6	24.6
14.61904762	14.76	13.66666667	24.66666667
12.96428571	13.62	14	25
13.53571429	13.3	14	25
12.94897959	13.16	13.85714286	24.57142857

13.75	14.67	14	25
12.78571429	13.2	14	25
12.95238095	13.38666667	14	24.83333333
12.89795918	13.20571429	14	24.85714286
12.89795918	13.20571429	14	24.85714286
12.89795918	13.20571429	14	24.85714286
12.04761905	12.68	13.66666667	25
12.35714286	14.88	14	25
9.928571429	9.36	14	23
13.07142857	13.28	14	25
14.44642857	13.77	14	24.75
13.85714286	14.84	13	25
11.28571429	11	14	24.5
13.15306122	13.56285714	13.64285714	25
12.28571429	12.08	13.66666667	24.33333333
15.5	15.16	14	25
13.21428571	13.02	14	25
11.78571429	11.52	14	25
11.85714286	11.32	14	23
12.28571429	11.52	14	24
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10.92857143	10.28	14	24
12.43877551	12.61142857	13.85714286	24.64285714
11.12698413	11.12	13.11111111	24.44444444
14.35714286	12.32	14	25
11.42857143	12.96	13.66666667	25
12.01098901	11.65846154	13.92307692	24.61538462
11.78571429	10.6	14	25
11.94642857	12.4	13.5	25
11.14285714	14.6	13	25
12	12.66	14	24.5
13.875	14.08	14	24.75
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11.8877551	11.78857143	13.71428571	24.42857143
12	12.57714286	13.57142857	24.71428571
10.21428571	10.8	14	24
11.42857143	12.52	13	25
12.64761905	12.56533333	14	24.6
13.5952381	13.61333333	13.66666667	24.66666667
12.92857143	12	14	25
11.51190476	12.02	13.5	25
13.58571429	14.032	13.8	24.8
13.09821429	13.135	13.875	24.75
13.89285714	12.76	14	24.5
14.45238095	14.89333333	14	25
18.07142857	14.44	14	25
13.18571429	12.608	13.8	24.6
12.70408163	13.01142857	13.71428571	24.92857143
12.92857143	12.8	14	24.66666667
11.53571429	11.935	13.875	25
14.64285714	14.5	14	24.5
13.36309524	14.09666667	13.75	24.91666667
12.32142857	12.82	14	25
12.36190476	11.82133333	13.73333333	24.53333333
11.39285714	12.064	13.5	24.4
13.24107143	13.77	13.875	24.875
11.91071429	11.76	13.75	25
13.5	11.12	14	25
13.5	14.70666667	14	25
12.35714286	10.72	14	23
10.5	10.76	14	25
12.57142857	12.2	14	25
11.85714286	10	14	23
13.85714286	13.6	14	25
12.52857143	12.656	13.8	24.6
11.54761905	12.02933333	13.33333333	24.66666667
13.92857143	11.44	14	25

13.08928571	13.51	13.75	24.75
11.92857143	13.44	14	24
14.78571429	13.64	14	25
13.21428571	11.04	14	25
15.64285714	16.88	14	25
14.28571429	13.784	13.8	25
13.35714286	13.02	13.75	24.875
12.5	13.04	13.66666667	24.66666667
13.6	13.108	14	24.9
13.33928571	13.34	14	24.75
13.14285714	12.24	14	25
14.07142857	13.24	14	25
10.35714286	11.8	14	25
13.92857143	12.42	14	24.5
13.14285714	12.4	14	25
12.14285714	12.4	14	25
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13.69642857	13.31	14	24.25
12.42857143	11.8	14	25
14.21428571	13.4	14	25
9.571428571	10.88	14	25
10.35714286	10.04	13	24
12.5	13.72	14	25
15.28571429	12.84	14	23
11.95238095	12.25333333	14	25
14.78571429	15.96	14	25
13.51785714	13.4	13.75	25
13.14285714	13.16363636	13.81818182	24.90909091
13.33333333	14.18666667	14	25
13.35714286	13.76	14	25
11.27489177	11.45333333	13.51515152	24.24242424
12.80612245	13.32571429	14	24.57142857
11.72077922	12.11636364	13.90909091	24.63636364

12.61904762	13.14	13.83333333	24.83333333
12.41208791	12.65230769	13.92307692	24.61538462
11.23214286	11.83	13.75	25
11.14285714	12.68	13	24
12.78571429	11.8	14	25
11.91071429	11.75	13.75	24.25
13.74489796	13.29714286	13.71428571	24.71428571
13.64285714	11.84	14	25
12.5	12.42666667	14	24.66666667
14.88095238	15.28	14	25
14.5	14.36	14	25
13.42857143	13.6	14	25
12.41836735	13.50285714	13.71428571	24.85714286
10.71428571	10.68	14	25
12.46428571	12.98	14	25
14.28571429	14.76	14	25
13.54761905	13.21333333	14	24.66666667
11.78571429	12.84	14	24
11.78571429	12.84	14	24
12.38095238	12.42666667	13.66666667	24.66666667
13.30952381	13.70666667	14	25
11.43877551	11.81142857	13	24.57142857
13.52380952	14.16	14	24.66666667
14.14285714	14	14	25
11.73809524	12.86666667	14	24.66666667
12.30952381	12.66	14	24.83333333
11.78571429	10.44	13	24
11.07142857	10.44	13.5	24
13.82857143	13.608	14	24.6
11.42857143	13.92	14	25
14.21428571	12.92	14	25
12.32142857	12.64	13.75	24.75
13.32857143	14.032	14	24.6
14.04761905	13.90666667	14	25

13.17857143	13.48666667	13.66666667	24.83333333
11.71428571	12.56	13	24
10.64285714	10.94	13.33333333	24.5
12.26190476	12.4	14	25
12.5	13.68	14	24
15.08571429	16.288	13.8	24.8
13.21428571	13.44	14	25
9.607142857	10.56	13	23.5
13.85714286	13.42	14	25
11.14285714	12.18	13.5	25
14.07142857	14.4	14	25
13.21428571	12.76	13.5	25
9	9.84	13	23
10.25	10.72	14	24.5
13.93571429	14.128	14	24.9
10.35714286	10.32	14	23
11.5	13.08	14	25
15.21428571	12.8	14	25
12.5	12.16	14	25
13.8	14.632	13.8	24.8
12.64285714	13.128	13.6	25
13.5	11.64	14	25
12.07142857	13.5	13.5	24.5
12.61904762	12.85333333	13.66666667	25
14.07142857	12.24	14	25
12.58928571	12.24	14	25
12.53571429	14.16	14	25
12.36309524	12.68666667	13.66666667	24.66666667
13.42857143	13.16	13.66666667	25
12.85714286	13.72	14	25
12.17857143	13.02	14	25
11.8452381	11.98666667	13.83333333	24.83333333
13.14285714	12.68	14	25
15.21428571	13.96	14	25

12.99107143	13.17	13.875	24.875
11.35714286	10.64	14	25
12.14285714	12.78666667	14	25
11.82142857	12.22	13.5	24.5
11.16964286	11.365	13.5	24.625
13.07142857	14.48	14	25
10.83333333	11.01333333	13.83333333	23.83333333
12.85714286	13.38	14	25
12.48214286	13.89	13.75	24.75
12.35714286	11.648	13.8	25
17.48214286	17.31	14	24.75
12.35714286	12.84	14	25
12.23809524	12.72	13.33333333	25
13.31746032	13.54222222	14	24.88888889
12.92857143	13.24	14	24
13.67857143	12.86	14	25
13.46428571	14.6	14	25
13.07142857	12.42	13	25
12.35714286	12.92	14	25
13.97619048	14.10666667	14	25
11.57142857	11.96	14	24
13.71428571	13.88	14	25
10.45604396	10.75076923	13.38461538	24.07692308
11.86813187	11.81846154	13.69230769	24.53846154
14	14.08	14	25
13.63186813	13.82153846	13.84615385	24.69230769
13.9047619	14.49333333	14	24.66666667
10.83928571	12.03	13.75	24.5
10.77857143	10.98	13.3	24.2
13.0952381	13.46666667	13.66666667	24.33333333
12.47142857	12.688	13.9	24.8
21.64285714	23.6	14	25
11.64285714	12.06	14	24.5
12.28571429	10.52	14	25

11.85064935	11.21818182	13.63636364	24.54545455
11.33333333	12.4	14	25
12.25	11.46	13.5	24.5
13.08035714	13.32	14	24.875
12.39285714	11.9	14	24.5
12.57142857	12.24	14	25
13.14285714	12.88	14	25
13.875	13.24	14	25
12.38392857	12.645	13.66666667	24.41666667
12.45238095	12.84	14	24
16.85714286	15.8	14	25
16.85714286	15.8	14	25
12.68831169	13.16727273	13.90909091	24.81818182
15.28571429	15.56	14	25
10.42857143	11.56	14	24
17.42857143	14.8	14	25
11.35714286	14.8	14	25
12.64285714	12.93142857	14	24.71428571
12.61688312	13.04727273	13.90909091	24.90909091
13.77380952	13.29333333	14	24.83333333
7	9.08	11	22
13.7755102	13.38857143	14	24.85714286
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12.05357143	11.48	13.75	24.75
13.92857143	14.19111111	13.88888889	24.77777778
15.71428571	14.89333333	14	24.66666667
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14.71428571	14.88	14	25
13.73809524	14.6	14	25
9.571428571	8.68	14	22
13.10714286	12.7	13.5	25
11.35714286	11.4	14	25
13.5	14.28	14	25
11.5	10.2	14	24.5

12.69642857	12.63	13.75	25
12	12.04	14	24
12	12.04	14	24
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13.38095238	14.32	14	25
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11.11428571	11.056	13	23.6
13.85714286	15.56	14	25
13.32857143	13.22	14	25
14.125	14.84	14	24.75
12.28571429	11.96	14	24
12.64285714	12.38666667	14	24
11.57142857	11.984	13.8	24.2
11.06547619	11.535	13.75	24.5
12.18571429	12.6	13.6	24.6
13.28571429	13.48	14	25
11.97802198	11.87076923	13.92307692	24.53846154
11.58035714	12.895	13.125	24.25
13.71428571	13.32	14	24
12.48571429	13.688	14	25
9.357142857	9.76	12	25
13.02597403	13.52363636	13.81818182	25
13.25714286	13.464	14	24.8
13.03571429	14.48	14	25
11.5	12.24	14	25
13.39285714	14	13.5	25
11.78571429	12.04	14	25
13.21428571	13.92	14	25
12.32467532	12.53090909	13.81818182	24.36363636
10.76190476	10.82222222	13.44444444	24.11111111
13.03571429	13.3	14	25
9.5	10.04	13.5	23.5

11.85714286	11.856	13.7	24.5
10.58571429	10.824	13.4	23.6
14.67142857	14.56	14	24.8
12.42857143	11.04	14	24
11.45238095	11.50666667	13.55555556	24.88888889
13.42857143	12.52	14	25
13.67460317	14.15555556	13.88888889	24.88888889
10	10.24	14	25
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13.64285714	15.04	14	25
13.75	13.39333333	13.83333333	25
11.42857143	12.08	13	24
11.79220779	12.44363636	13.81818182	24.90909091
12.16483516	12.57230769	13.92307692	24.84615385
14.3877551	14.49714286	13.85714286	25
10.28571429	10.95	14	24.25
11.28571429	13	14	25
11.45238095	11.82	13.66666667	24.66666667
11.55714286	12.36	14	24.8
12.78571429	12.46	13.5	24.5
13.21428571	13.37333333	13.83333333	24.83333333
13.5952381	13.13333333	14	24
12.10267857	12.1625	13.75	24.6875
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12.25714286	12.664	14	24.8
11.3968254	11.29333333	13.44444444	24.33333333
10.04081633	10.5	13.42857143	24.64285714
10.04081633	10.5	13.42857143	24.64285714
11.57142857	12.06571429	13.64285714	24.85714286
12.38095238	13.22666667	14	25
12.38095238	13.22666667	14	25
12.92857143	12.01	13.75	23.5
13.89285714	13.48	14	24.5
12.57142857	12.58666667	13.66666667	24.33333333

13.32142857	13.88	13.5	25
14.57142857	15.4	14	25
11.61688312	12.06909091	13.90909091	24.81818182
13.05952381	13.13333333	14	25
8.285714286	10.48	12	25
14.19642857	14.68	14	25
13.67857143	14.24	14	25
13.64285714	15.04	14	25
13	13.69	14	24.75
10.92857143	11.8	14	24
9.785714286	11.16	14	24
13.28571429	12.44	14	24
13.01190476	12.87333333	13.83333333	24.83333333
13.73809524	13.75555556	13.88888889	24.88888889
12.00649351	12.09818182	13.81818182	24.63636364

## Dataset 2. CB samples PTB vs Controls

id	Chromosome	Start	End	symbol	entrezID	mean.mean.PTB	mean.mean.PTB-C	mean.mean.diff	mean.mean.quot.log2
ENSG0000	chr2	1.71E+08	1.71E+08	SSB	6741	0.421950075	0.231214142	0.190735933	0.84055008
ENSG0000	chr17	33704198	33706197	NA	NA	0.415012911	0.248196921	0.16681599	0.719034871
ENSG0000	chr1	2.47E+08	2.47E+08	NA	NA	0.441644732	0.271579368	0.170065364	0.681646753
ENSG0000	chr3	1.24E+08	1.24E+08	NA	NA	0.329440501	0.185803463	0.143637038	0.793752435
ENSG0000	chr11	61703866	61705865	RNU6-1243	NA	0.457205033	0.289810336	0.167394698	0.640005698
ENSG0000	chr16	28751603	28753602	NA	NA	0.321193018	0.190320245	0.130872774	0.72536403
ENSG0000	chr8	32112512	32114511	RNA5SP26	NA	0.448075847	0.288625896	0.128532064	0.771934806
ENSG0000	chr7	44920900	44922899	MIR4657	100616393	0.364166869	0.245990604	0.14595	0.638362248
ENSG0000	chr4	40492250	40494249	NA	NA	0.295749923	0.198542166	0.155069474	0.588608788
ENSG0000	chr10	88750510	88752509	BMS1P3	NA	0.206485586	0.106508039	0.174963227	0.584365748
ENSG0000	chr10	88750663	88752662	AGAP11	NA	0.316709896	0.223272859	0.174963227	0.584365748
ENSG0000	chr10	88751689	88753688	NA	NA	0.425408765	0.301817622	0.174963227	0.584365748
ENSG0000	chr2	1.36E+08	1.36E+08	NA	NA	0.25870842	0.169400618	0.167545329	0.588733783
ENSG0000	chr6	1.44E+08	1.44E+08	NA	NA	0.281680683	0.196702142	0.159449952	0.617247221
ENSG0000	chr13	50936874	50938873	NA	NA	0.25929964	0.176125415	0.136651968	0.559641282
ENSG0000	chr1	15934141	15936140	RNU7-179F	NA	0.287953111	0.206356836	0.149278933	0.607918369
ENSG0000	chr1	17602884	17604883	MIR3972	100616188	0.29512377	0.213461988	-0.11376185	-0.737000918
ENSG0000	chr17	51613374	51615373	NA	NA	0.29512377	0.213461988	0.124374179	0.570607802
ENSG0000	chr13	1.15E+08	1.15E+08	MIR548AR	100847035	0.170934417	0.091400955	0.108626997	0.759700725
ENSG0000	chr8	25283597	25285596	NA	NA	0.253600598	0.1772858	0.114407141	0.549453157
ENSG0000	chr4	1.58E+08	1.58E+08	NA	NA	0.244839388	0.169530463	0.159808352	0.536866531
ENSG0000	chr1	1.64E+08	1.64E+08	HMGB3P6	NA	0.341137378	0.251548366	0.117911963	0.646289982
ENSG0000	chr15	30260569	30262568	TJP1	7082	0.197196474	0.124104791	-0.114800767	-0.616871161
ENSG0000	chr2	71191201	71193200	RN7SL160F	NA	0.330359397	0.2372733	-0.100558903	-1.093531143
ENSG0000	chr1	2.19E+08	2.19E+08	RIMKLBP2	NA	0.138118264	0.062645474	0.124040059	0.540877986
ENSG0000	chr4	1.91E+08	1.91E+08	NA	NA	0.239724274	0.16958794	0.157754153	0.50952225
ENSG0000	chr1	1.43E+08	1.43E+08	NA	NA	0.258295348	0.18622152	0.118176265	0.54759096
ENSG0000	chr7	52260110	52262109	NA	NA	0.17745919	0.107964224	0.151339062	0.503062811
ENSG0000	chr2	43847624	43849623	NA	NA	0.218444169	0.149086503	0.171972906	0.502158576
ENSG0000	chr1	1.47E+08	1.47E+08	NA	NA	0.220885431	0.152468629	0.178666792	0.501296081
ENSG0000	chr12	57253659	57255658	NA	NA	0.255890768	0.188260397	0.097546887	0.510683937
ENSG0000	chr7	1.31E+08	1.31E+08	NA	NA	0.190294707	0.12339744	0.097207756	0.552013013
ENSG0000	chr3	1.71E+08	1.71E+08	NA	NA	0.219391549	0.154534875	0.1462198	0.499449891

ENSG0000 chr1	89485549	89487548	NA	NA	0.163186167	0.097758903	0.097209376	0.498763809
ENSG0000 chr6	1.44E+08	1.44E+08	NA	NA	0.195835395	0.131806173	0.216041062	0.498442192
ENSG0000 chr2	1.31E+08	1.31E+08	NA	NA	0.234751695	0.171417008	0.099977546	0.893841459
ENSG0000 chr14	65062755	65064754	NA	NA	0.209467224	0.146833082	0.156463143	0.49750932
ENSG0000 chr5	40259259	40261258	LINC00604	NA	0.340314484	0.266288159	0.16754746	0.492985431
ENSG0000 chr2	51056317	51058316	NA	NA	0.30178394	0.187491324	0.110139383	0.492299735
ENSG0000 chr3	1.56E+08	1.56E+08	METTL15P1	NA	0.303836068	0.239467458	0.147668825	0.541068505
ENSG0000 chr3	1.31E+08	1.31E+08	NA	NA	0.353488987	0.267579712	0.093437037	0.520895483
ENSG0000 chr2	1.26E+08	1.26E+08	RNU6-259F	NA	0.232774508	0.171555144	0.141125502	0.488122151
ENSG0000 chr4	69817010	69819009	UGT2A3	79799	0.132985872	0.072342232	0.126913855	0.486887979
ENSG0000 chr17	34536810	34538809	CCL4L1	9560;388372	0.134330916	0.074106438	-0.092206562	-0.677280203
ENSG0000 chr14	1.07E+08	1.07E+08	IGHV3-15	NA	0.265738346	0.202680342	-0.098926968	-0.485396324
ENSG0000 chr1	1.63E+08	1.63E+08	NA	NA	0.302930088	0.244501152	0.119790885	0.502994942
ENSG0000 chr14	73929849	73931848	NUMB	8650;101928	0.306961662	0.235307247	-0.104314055	-0.550738966
ENSG0000 chr17	73056216	73058215	NA	NA	0.129496035	0.071468294	0.161676757	0.483550996
ENSG0000 chr17	27251793	27253792	NA	NA	0.287774628	0.219166195	0.123591143	0.481667987
ENSG0000 chr13	73454853	73456852	RNU6-79P	100873779	0.196725544	0.139016768	0.090073412	0.490130402
ENSG0000 chr2	53136659	53138658	NA	NA	0.155874768	0.098259306	0.09045689	0.508965905
ENSG0000 chr2	69892991	69894990	NA	NA	0.241184442	0.183652718	0.141326225	0.476856962
ENSG0000 chr10	13349948	13351947	NA	NA	0.179581602	0.122157437	0.112312101	0.487578367
ENSG0000 chr13	1.14E+08	1.14E+08	LDHBP1	NA	0.370071218	0.312693642	-0.098252439	-0.476081224
ENSG0000 chr5	1.25E+08	1.25E+08	NA	NA	0.337423695	0.270074691	0.14136736	0.475829247
ENSG0000 chr2	1.54E+08	1.54E+08	NA	NA	0.224828909	0.167757209	0.111504755	0.473956723
ENSG0000 chr14	61072285	61074284	NA	NA	0.198269489	0.141337763	0.121775093	0.47390815
ENSG0000 chr7	99532733	99534732	NA	NA	0.411414137	0.317403908	0.087288364	0.560676808
ENSG0000 chr9	69380098	69382097	NA	NA	0.212186441	0.155938892	0.089307802	0.582856669
ENSG0000 chr2	16042292	16044291	NA	NA	0.165532159	0.10950563	0.105698743	0.466993105
ENSG0000 chr16	61776881	61778880	RN7SKP76	NA	0.352108668	0.271776036	0.159047941	0.466310127
ENSG0000 chr9	1.39E+08	1.39E+08	NA	NA	0.213013011	0.157147963	0.084978541	0.491786722
ENSG0000 chr5	814961	816960	SPCS2P3	NA	0.37821252	0.28969017	0.181570384	0.45916845
ENSG0000 chr8	1.02E+08	1.02E+08	NA	NA	0.286477473	0.22114585	0.138290221	0.459162199
ENSG0000 chr16	58777762	58779761	RNU6-115E	NA	0.276636969	0.219357875	0.08361955	0.507544442
ENSG0000 chr1	2.13E+08	2.13E+08	NA	NA	0.181621436	0.127221174	0.138546929	0.456956408
ENSG0000 chr17	29054987	29056986	NA	NA	0.345609582	0.266139794	0.083174225	0.532937237

ENSG0000 chr4	1.36E+08	1.36E+08	NA	NA	0.247123665	0.193510017	0.125196647	0.454593864
ENSG0000 chr17	76479464	76481463	NA	100996295	0.186958172	0.133443792	0.081596275	0.485077965
ENSG0000 chr19	21295543	21297542	RNA5SP46	NA	0.190611742	0.137102844	0.090357965	0.456707305
ENSG0000 chr16	53476745	53478744	RNU6-115	NA	0.102976853	0.049518698	0.15116416	0.449962363
ENSG0000 chr2	1.21E+08	1.21E+08	NA	NA	0.39020804	0.33690026	0.081661782	0.449365132
ENSG0000 chr2	1.21E+08	1.21E+08	NA	NA	0.492152118	0.327464512	0.081661782	0.449365132
ENSG0000 chr8	4643354	4645353	PAICSP4	NA	0.193755412	0.140906343	0.08070024	0.461795578
ENSG0000 chr3	97199851	97201850	NA	NA	0.140686304	0.087851646	0.080390581	0.457292484
ENSG0000 chr12	92293734	92295733	NA	NA	0.2513286	0.195896059	0.098343236	0.446644982
ENSG0000 chr6	1.58E+08	1.58E+08	MIR3692	100500899	0.194563684	0.142270494	-0.079984957	-0.569015366
ENSG0000 chr12	69676677	69678676	NA	NA	0.208276593	0.156079978	0.079533462	0.781292823
ENSG0000 chr9	1.1E+08	1.1E+08	RNA5SP29	NA	0.450502518	0.35200535	0.123290821	0.444219332
ENSG0000 chr14	21343428	21345427	NA	100507513	0.381084812	0.29752166	0.149072857	0.443883718
ENSG0000 chr9	28863205	28865204	MIR876	100126310	0.373005075	0.301332121	0.099369682	0.443243638
ENSG0000 chr1	1.64E+08	1.64E+08	RNU5F-6P	NA	0.138803599	0.087004359	0.121444141	0.442055583
ENSG0000 chr14	74948188	74950187	RAP1AP	NA	0.329175325	0.257208449	0.117828516	0.439825409
ENSG0000 chr12	9809663	9811662	NA	101928054	0.221861124	0.170627967	0.104832823	0.464935533
ENSG0000 chr14	20482853	20484852	OR4K14	122740	0.241352072	0.190139784	-0.097273564	-0.435745311
ENSG0000 chr19	39227424	39229423	NA	NA	0.477622264	0.37442893	0.076314798	0.493112127
ENSG0000 chr15	34782273	34784272	HNRNPLP2	NA	0.33047933	0.276477541	-0.10824275	-0.434390708
ENSG0000 chr11	56587481	56589480	OR5G3	NA	0.359053741	0.281127336	0.168136941	0.43347255
ENSG0000 chr15	90429324	90431323	RNU6-1111	NA	0.299100591	0.23312224	0.151936186	0.433389632
ENSG0000 chr2	1.39E+08	1.39E+08	YWHAEP5	NA	0.311236396	0.240183933	0.118031155	0.432050283
ENSG0000 chr1	1.79E+08	1.79E+08	NA	NA	0.120195671	0.069528396	0.150370301	0.432038295
ENSG0000 chr18	11852251	11854250	NA	NA	0.297045982	0.232489894	0.075308925	0.505359614
ENSG0000 chr2	2.24E+08	2.24E+08	NA	NA	0.330394153	0.280171901	0.109363399	0.431531231
ENSG0000 chr12	738557	740556	NA	100049716	0.355272778	0.305140976	0.109551152	0.461554716
ENSG0000 chr14	38188130	38190129	NA	NA	0.263940126	0.213984499	0.141143211	0.430331736
ENSG0000 chr11	74394769	74396768	RN7SKP29	NA	0.263940126	0.213984499	-0.075080593	-0.567098991
ENSG0000 chr10	93566754	93568753	SRP9P1	NA	0.289678601	0.227233979	0.168528251	0.430031715
ENSG0000 chr17	20370353	20372352	LGALS9B	284194	0.220304274	0.170852312	-0.121197951	-1.163434655
ENSG0000 chr7	1.33E+08	1.33E+08	NA	NA	0.216741947	0.15091842	0.154929128	0.426706128
ENSG0000 chr2	1.95E+08	1.95E+08	NA	NA	0.190935815	0.141769599	0.129196387	0.426447749
ENSG0000 chr6	1.18E+08	1.18E+08	RN7SKP51	NA	0.160895146	0.111810171	0.119099036	0.426251187

ENSG0000 chr12	1.17E+08	1.17E+08	NA	NA		0.368473474	0.290152009	0.147095394	0.425932683
ENSG0000 chr17	37393219	37395218	NA	NA		0.137339331	0.088615529	0.089589012	0.424957821
ENSG0000 chr12	34179798	34181797	NA	NA		0.323324794	0.25808397	0.150799464	0.424303117
ENSG0000 chr12	80216058	80218057	NA	NA		0.162677367	0.113999184	0.173137752	0.424235369
ENSG0000 chr6	1.53E+08	1.53E+08	VIP		7432	0.162677367	0.113999184	-0.073174027	-0.578233364
ENSG0000 chr22	22818496	22820495	NA	NA		0.160581594	0.082682228	0.073091683	0.627638675
ENSG0000 chr17	60112694	60114693	NA	NA		0.311314039	0.25583466	0.139801188	0.42239035
ENSG0000 chr17	26071658	26073657	NA	NA		0.105326171	0.057108555	0.093086097	0.460952473
ENSG0000 chr8	67995519	67997518	COPS5		10987	0.16492505	0.116755092	0.152790482	0.421684976
ENSG0000 chr1	8889566	8891565	NA	NA		0.417457284	0.330194786	0.07547279	-1.027804726
ENSG0000 chr8	92027316	92029315	NA	NA		0.280834021	0.230014347	0.128308138	0.421182867
ENSG0000 chr20	1645506	1647505	RN7SL561F	NA		0.284293716	0.236617904	-0.072022507	-0.460844926
ENSG0000 chr1	2.23E+08	2.23E+08	NA	NA		0.104246075	0.05665637	0.146063623	0.418715742
ENSG0000 chr6	28881922	28883921	RNU6-930F	NA		0.14253854	0.095050979	0.099181594	0.418571988
ENSG0000 chr11	57771358	57773357	CYCSP26	NA		0.152731859	0.105266576	0.124511364	0.418365617
ENSG0000 chr1	27581559	27583558	NA	NA		0.126485279	0.079034914	0.129945186	0.418353668
ENSG0000 chr6	10674502	10676501	NA	NA		0.18076905	0.133533572	0.112177728	0.418132988
ENSG0000 chr8	1E+08	1E+08	NA	NA		0.106986752	0.059855976	0.140330715	0.417680892
ENSG0000 chr15	28777661	28779660	GOLGA8G	283768;1001		0.172773058	0.125971796	0.100454132	0.416240976
ENSG0000 chr7	1.3E+08	1.3E+08	RNA5SP24I	NA		0.215358111	0.168721527	0.160905014	0.416029437
ENSG0000 chr22	30877841	30879840	NA	NA		0.153151121	0.10300644	0.110513228	0.415246891
ENSG0000 chr2	1.32E+08	1.32E+08	MTND5P23	NA		0.168012186	0.118484303	-0.070478932	-0.607045049
ENSG0000 chr6	89767847	89769846	NA	NA		0.206085364	0.159911639	0.181401101	0.413766109
ENSG0000 chr3	57166670	57168669	NA	NA		0.109969542	0.063981279	0.135799198	0.42599646
ENSG0000 chr11	3009593	3011592	NA	NA		0.199164214	0.138114013	0.070136334	0.573400512
ENSG0000 chr19	13181689	13183688	NA	NA		0.188585428	0.142611297	0.072073827	0.451338761
ENSG0000 chr1	29307	31306	WASH7P	653635;1002		0.184092993	0.138121555	-0.072463872	-0.438157412
ENSG0000 chr1	28054	30053	MIR1302-1	100302278;1		0.141391397	0.095477614	-0.072463872	-0.438157412
ENSG0000 chr16	69477694	69479693	NA	NA		0.129149243	0.083467766	0.093476024	0.412012702
ENSG0000 chr10	43247094	43249093	NA	NA		0.186140921	0.134651089	0.069494965	0.529850304
ENSG0000 chr3	1.13E+08	1.13E+08	WDR52-AS1	100874029		0.147315865	0.101863747	0.13531137	0.410298859
ENSG0000 chr2	1.6E+08	1.6E+08	BTF3L4P2	NA		0.168720793	0.123433047	0.154825299	0.410285889
ENSG0000 chr19	53698864	53700863	NA	101930134;1		0.278842366	0.221996492	0.069386822	0.554963342
ENSG0000 chr17	29908681	29910680	NA	NA		0.456311572	0.406445124	0.069357666	0.522030181

ENSG0000 chr7	1.39E+08	1.39E+08	NA	NA	0.164765043	0.119708672	0.150098089	0.410125799
ENSG0000 chr4	1.7E+08	1.7E+08	RPL6P12	NA	0.119028908	0.073993687	0.125652414	0.40960029
ENSG0000 chr3	1.49E+08	1.49E+08	NA	NA	0.112475177	0.067601777	0.100380384	0.409328716
ENSG0000 chr9	1.03E+08	1.03E+08	NA	NA	0.12596463	0.075616531	0.160222771	0.40906194
ENSG0000 chr15	28622267	28624266	GOLGA8F	NA	0.12596463	0.075616531	0.112920888	0.408966017
ENSG0000 chr8	18941741	18943740	PSD3	23362	0.276174538	0.214720308	-0.068630199	-0.457986529
ENSG0000 chr19	12896442	12898441	MIR5684	100847071	0.136502857	0.091940537	-0.068629921	-0.545909832
ENSG0000 chr19	36910938	36912937	NA	644189	0.1754782	0.130975295	0.068416802	0.559946254
ENSG0000 chr4	20696405	20698404	PACRGL	133015	0.261851325	0.20743724	0.167177575	0.407239074
ENSG0000 chr6	1.01E+08	1.01E+08	NA	NA	0.167390565	0.122980365	0.147379509	0.405821144
ENSG0000 chr11	17093999	17095998	NA	NA	0.164013058	0.11977375	0.15459125	0.405194965
ENSG0000 chr11	24475957	24477956	NA	NA	0.378025045	0.302844772	0.097752562	0.404969146
ENSG0000 chr2	2.34E+08	2.34E+08	RNU6-107F	NA	0.204171291	0.160141428	0.145581291	0.40492224
ENSG0000 chr1	94056256	94058255	NA	100129046	0.125242162	0.081326986	0.067630372	0.435440286
ENSG0000 chr14	74324369	74326368	NA	NA	0.140053387	0.096143904	0.135852597	0.403783503
ENSG0000 chr3	39374970	39376969	HNRNPA1P	NA	0.137927464	0.094106081	0.133711799	0.403123205
ENSG0000 chr17	56412884	56414883	MIR4736	100616220	0.141788161	0.098123555	-0.067012783	-0.606821659
ENSG0000 chr1	22093262	22095261	NA	NA	0.132876217	0.089265226	0.066897267	0.586393316
ENSG0000 chr10	67072043	67074042	NA	NA	0.115455389	0.071885682	0.14363363	0.401457544
ENSG0000 chr16	53366974	53368973	NA	NA	0.117447139	0.073931665	0.131406023	0.401100345
ENSG0000 chr19	37118195	37120194	NA	NA	0.191795291	0.145597131	0.104877852	0.399390822
ENSG0000 chr2	1.43E+08	1.43E+08	NA	NA	0.360853041	0.289888095	0.111258408	0.397976561
ENSG0000 chr10	4719847	4721846	LINC00704	100216001	0.462559885	0.372157133	0.067639447	0.39773235
ENSG0000 chr6	1.7E+08	1.7E+08	NA	NA	0.149514853	0.10637625	0.135422308	0.397520011
ENSG0000 chr3	1.42E+08	1.42E+08	NA	NA	0.152141209	0.109133127	0.119229638	0.39736471
ENSG0000 chr11	3443227	3445226	FAM86GP	NA	0.187852675	0.144858377	-0.067633024	-0.692512948
ENSG0000 chr21	30761311	30763310	NA	NA	0.335356121	0.286830334	0.118773356	0.397267701
ENSG0000 chr1	71532900	71534899	MIR186	406962	0.170537669	0.127644162	0.153178382	0.396556642
ENSG0000 chr18	19261971	19263970	MIR320C1	100302135	0.128605349	0.085776616	-0.084869681	-0.426533562
ENSG0000 chr11	74449342	74451341	NA	NA	0.220757677	0.152256582	0.064856674	0.479418834
ENSG0000 chr15	75486484	75488483	C15orf39	56905	0.275400528	0.232806933	-0.073950159	-0.395088527
ENSG0000 chr7	1.44E+08	1.44E+08	NA	154761	0.418572005	0.337480076	0.065427264	0.630018148
ENSG0000 chr9	1.19E+08	1.19E+08	NA	100128505	0.361344606	0.318799001	0.137942665	0.393894021
ENSG0000 chr12	33194256	33196255	NA	NA	0.140799853	0.098260498	0.122773183	0.393495688

ENSG0000 chr1	2.24E+08	2.24E+08	NA	NA	0.327543786	0.264145137	0.064544569	0.469035958
ENSG0000 chr1	2.24E+08	2.24E+08	DEGS1	8560	0.121203335	0.078744207	0.064544569	0.469035958
ENSG0000 chr5	79661152	79663151	RNU6-211F	NA	0.268960794	0.226516753	0.14783574	0.393463811
ENSG0000 chr4	1.84E+08	1.84E+08	RN7SKP67	NA	0.162745487	0.120336658	0.138445994	0.392619254
ENSG0000 chr4	97230352	97232351	NA	NA	0.32712682	0.284842958	0.141995421	0.391886474
ENSG0000 chr20	62474774	62476773	NA	100509861	0.132267451	0.090036367	0.064029222	0.537110289
ENSG0000 chr9	43133045	43135044	ANKRD20A	441425	0.303388014	0.261201895	-0.070706569	-0.437359084
ENSG0000 chr8	82538004	82540003	RPS26P34	NA	0.138104266	0.095761733	0.104112427	0.526747688
ENSG0000 chr7	46517039	46519038	NA	NA	0.218556679	0.166749518	0.130437316	0.391054714
ENSG0000 chr7	6214436	6216435	NA	NA	0.127379402	0.085240093	0.129676366	0.390453548
ENSG0000 chr10	5816534	5818533	NRBF2P5	NA	0.192756483	0.150656892	0.072618637	0.389894933
ENSG0000 chr15	58812010	58814009	NA	101928668	0.246887118	0.204832432	0.063334687	0.486129717
ENSG0000 chr5	93018874	93020873	NPM1P27	NA	0.123887674	0.081834625	0.165971392	0.389446358
ENSG0000 chr2	1.21E+08	1.21E+08	NA	NA	0.313498624	0.270151022	0.092868609	0.389160565
ENSG0000 chr4	3325990	3327989	NA	NA	0.164602936	0.122634403	0.104711992	0.388775879
ENSG0000 chr13	79232815	79234814	RNF219	79596	0.140581517	0.098660698	-0.062889112	-0.551459253
ENSG0000 chr16	71959139	71961138	NA	NA	0.102419841	0.060679026	0.134065119	0.387849538
ENSG0000 chr19	40042174	40044173	NA	NA	0.302476969	0.244134942	0.062634142	0.48477559
ENSG0000 chr9	1.4E+08	1.4E+08	FUT7	2529	0.348766951	0.294101282	-0.085721426	-0.482114198
ENSG0000 chr17	75541522	75543521	NA	100507351	0.20609877	0.161356032	0.141677502	0.386762924
ENSG0000 chr17	48043041	48045040	RNU6-1313	NA	0.076692153	0.118309012	0.062537653	0.508361617
ENSG0000 chr3	20548749	20550748	RNU6-815F	NA	0.171537485	0.127280332	0.098474525	0.481960662
ENSG0000 chr16	89236675	89238674	CDH15	1013	0.246359014	0.204853872	-0.064737247	-0.460422231
ENSG0000 chr13	1.11E+08	1.11E+08	COL4A2-AS	100129836	0.11719904	0.07571631	-0.062066931	-0.407180215
ENSG0000 chr17	29054083	29056082	NA	NA	0.122207882	0.078965458	0.074026325	0.384053566
ENSG0000 chr19	56823356	56825355	NA	NA	0.187491324	0.30178394	0.114292616	0.658757342
ENSG0000 chr3	75716582	75718581	NA	NA	0.239467458	0.303836068	0.06436861	0.383119689
ENSG0000 chr8	94730302	94732301	NA	NA	0.552749948	0.421582625	0.131167323	0.382857233
ENSG0000 chr1	1.5E+08	1.5E+08	HIST2H2BC	337873	0.136757588	0.198323765	-0.061566177	-0.469802802
ENSG0000 chr9	19072341	19074340	RNU6-264F	NA	0.59880003	0.457068647	0.141731383	0.382333826
ENSG0000 chr16	14016037	14018036	RPS26P52	NA	0.196282875	0.258809272	-0.062526397	-0.381958842
ENSG0000 chr11	12323580	12325579	NA	NA	0.473407919	0.361015297	0.112392623	0.381762438
ENSG0000 chr2	2.09E+08	2.09E+08	NA	NA	0.267579712	0.353488987	0.085909275	0.389009525
ENSG0000 chr15	22490186	22492185	NA	NA	0.171555144	0.232774508	0.061219363	0.419209131

ENSG0000 chr3	1.86E+08	1.86E+08	RN7SL637I	NA		0.081419867	0.142597493	-0.061177626	-0.739151638
ENSG0000 chr14	1.07E+08	1.07E+08	IGHV4-39	NA		0.329299188	0.393905424	-0.064606236	-0.426894581
ENSG0000 chr16	9447945	9449944	NA		101927009	0.392359803	0.298090031	0.094269772	0.380332438
ENSG0000 chr1	85728479	85730478	NA	NA		0.645518933	0.493760846	0.151758087	0.379898453
ENSG0000 chr8	1.01E+08	1.01E+08	NA	NA		0.424770655	0.322680649	0.102090006	0.386116616
ENSG0000 chr2	2.38E+08	2.38E+08	NA	NA		0.072342232	0.132985872	0.06064364	0.837713816
ENSG0000 chr4	1.25E+08	1.25E+08	NA	NA		0.60020616	0.459154036	0.141052123	0.379235066
ENSG0000 chr21	29419233	29421232	NA		284825	0.551041428	0.422391343	0.128650084	0.378558257
ENSG0000 chr22	44351407	44353406	NA	NA		0.074106438	0.134330916	0.060224478	0.80829689
ENSG0000 chr4	1.52E+08	1.52E+08	ZBTB8OSP1	NA		0.62536129	0.4789486	0.14641269	0.377894383
ENSG0000 chr20	39823831	39825830	RPL23AP81	NA		0.388122486	0.296625789	0.091496698	0.376733319
ENSG0000 chr1	1.93E+08	1.93E+08	LINC01031		101929184	0.503520011	0.387489341	0.11603067	0.375967041
ENSG0000 chr7	38389124	38391123	TRGV5	NA		0.142503237	0.202193887	-0.059690651	-0.490898169
ENSG0000 chr19	58815215	58817214	ERVK3-1		7554	0.21054257	0.270207848	-0.059665278	-0.49488914
ENSG0000 chr2	2.38E+08	2.38E+08	NA	NA		0.466198106	0.352523698	0.113674407	0.393486573
ENSG0000 chr22	18845654	18847653	BCRP7	NA		0.15564262	0.226529804	-0.070887184	-0.513948059
ENSG0000 chr7	30462788	30464787	NA	NA		0.202680342	0.265738346	0.063058004	0.37461322
ENSG0000 chr13	1.03E+08	1.03E+08	RNY5P8	NA		0.467595031	0.358415162	0.109179868	0.374455388
ENSG0000 chr5	1.43E+08	1.43E+08	MIR5197		100846991	0.575966358	0.442061895	0.133904462	0.37429752
ENSG0000 chr2	1.98E+08	1.98E+08	ATP5G2P3	NA		0.563896156	0.432753878	0.131142278	0.374284769
ENSG0000 chr13	23726326	23728325	RNY3P4	NA		0.57125523	0.438511963	0.132743268	0.374025328
ENSG0000 chr4	36066849	36068848	NA	NA		0.700193292	0.538095229	0.162098064	0.373785159
ENSG0000 chr11	6767171	6769170	GVINP1		387751	0.190066406	0.249196403	-0.059129997	-0.410336369
ENSG0000 chr8	28386428	28388427	RNA5SP25I	NA		0.595970446	0.457782673	0.138187774	0.373409011
ENSG0000 chr16	47483873	47485872	RNA5SP42I	NA		0.635108732	0.488420887	0.146687844	0.373367928
ENSG0000 chr19	46318078	46320077	RSPH6A		81492	0.121481719	0.180244677	-0.058762958	-0.604839388
ENSG0000 chr6	25246991	25248990	KATNBL1P5	NA		0.35555427	0.272529333	0.083024937	0.371684943
ENSG0000 chr8	59412296	59414295	CYP7A1		1581	0.658683436	0.506899126	0.15178431	0.371440618
ENSG0000 chr14	1.01E+08	1.01E+08	BEGAIN		57596	0.153310548	0.211879206	-0.058568658	-0.547368514
ENSG0000 chr1	42223312	42225311	NA	NA		0.409910861	0.351361404	0.058549457	0.50771681
ENSG0000 chr11	85862769	85864768	RNU6-560F	NA		0.179467826	0.120947245	0.058520581	0.63793802
ENSG0000 chr4	83194724	83196723	BIN2P1	NA		0.184711127	0.25816699	-0.073455863	-0.461796331
ENSG0000 chr7	93111668	93113667	MIR653		724023	0.639888531	0.492612473	0.147276059	0.370745815
ENSG0000 chr1	32108150	32110149	NA	NA		0.244501152	0.302930088	0.058428936	0.466599678

ENSG0000 chr2	70119192	70121191	SNRNP27	11017	0.173624659	0.232043987	-0.058419328	-0.601328943
ENSG0000 chr7	30590596	30592595	GGCT	79017	0.149721641	0.207923476	-0.058201836	-0.446008327
ENSG0000 chr4	1.03E+08	1.03E+08	NA	NA	0.50407617	0.388498386	0.115577784	0.369727919
ENSG0000 chr1	1.54E+08	1.54E+08	NA	101928101	0.235307247	0.306961662	0.071654415	0.369718494
ENSG0000 chr19	8644544	8646543	NA	NA	0.071468294	0.129496035	0.058027741	0.775913509
ENSG0000 chr5	1.32E+08	1.32E+08	NA	NA	0.219166195	0.287774628	0.068608433	0.441443696
ENSG0000 chr9	66457763	66459762	RNA5SP28:	NA	0.134615534	0.206538307	-0.071922773	-0.582399739
ENSG0000 chr17	3797686	3799685	CAMKK1	84254	0.298879392	0.388891777	-0.090012385	-0.368953765
ENSG0000 chr14	1.07E+08	1.07E+08	IGHV4-59	NA	0.302439794	0.393409136	-0.090969342	-0.368665544
ENSG0000 chr13	72440831	72442830	DACH1	1602	0.137255338	0.195076417	-0.057821079	-0.504648733
ENSG0000 chr7	1544990	1546989	INTS1	26173	0.171696812	0.229457688	-0.057760876	-0.432030431
ENSG0000 chr5	95170251	95172250	NA	NA	0.139016768	0.196725544	0.057708776	0.619142458
ENSG0000 chr13	94487898	94489897	GPC6-AS2	NA	0.532843965	0.410769595	0.12207437	0.367507111
ENSG0000 chr4	1.85E+08	1.85E+08	NA	NA	0.098259306	0.155874768	0.057615462	0.632506941
ENSG0000 chr6	37150945	37152944	NA	NA	0.183652718	0.241184442	0.057531724	0.380332956
ENSG0000 chr5	1.34E+08	1.34E+08	NA	101927953	0.122157437	0.179581602	0.057424165	0.597186303
ENSG0000 chr1	2.11E+08	2.11E+08	NA	NA	0.450509152	0.352363133	0.098146019	0.366689783
ENSG0000 chr12	77716921	77718920	NA	NA	0.312693642	0.370071218	0.057377576	0.371805743
ENSG0000 chr2	1.36E+08	1.36E+08	RNU6-512F	NA	0.622108444	0.480464918	0.141643526	0.366022141
ENSG0000 chr9	43133595	43135594	NA	NA	0.270074691	0.337423695	0.067349004	0.366001793
ENSG0000 chr17	37182864	37184863	NA	NA	0.167757209	0.224828909	0.0570717	0.40029554
ENSG0000 chr17	37182030	37184029	LRR37A1:	342666	0.167757209	0.224828909	-0.0570717	-0.40029554
ENSG0000 chr7	23603381	23605380	NA	NA	0.608469519	0.470033378	0.138436141	0.36556777
ENSG0000 chr17	52831511	52833510	ARL2BPP8	NA	0.555273807	0.428805859	0.126467949	0.365367062
ENSG0000 chr13	76209631	76211630	NA	101927155	0.141337763	0.198269489	0.056931725	0.602584876
ENSG0000 chr2	11602427	11604426	NA	NA	0.598559374	0.462513621	0.136045753	0.365042108
ENSG0000 chr6	14155193	14157192	RNU7-133F	NA	0.500779734	0.386600581	0.114179153	0.365014493
ENSG0000 chr19	56144882	56146881	ZNF580	51157	0.131483566	0.188283842	-0.056800276	-0.486932633
ENSG0000 chr7	53382342	53384341	NA	NA	0.502136065	0.387832976	0.114303089	0.364364295
ENSG0000 chr1	1.91E+08	1.91E+08	NA	440704	0.317403908	0.411414137	0.094010229	0.364167171
ENSG0000 chr5	1.34E+08	1.34E+08	NA	NA	0.479218987	0.348920749	0.130298239	0.446815073
ENSG0000 chr17	3819295	3821294	P2RX1	5023	0.139265858	0.195524025	-0.056258167	-0.514186341
ENSG0000 chr2	1.13E+08	1.13E+08	NA	NA	0.155938892	0.212186441	0.056247548	0.421118716
ENSG0000 chr22	23921996	23923995	IGLL1	3543	0.205003552	0.27430025	-0.069296699	-0.363065792

ENSG0000 chr2	1.76E+08	1.76E+08	ATP5G3		518	0.511214667	0.395350822	0.115863845	0.362706614
ENSG0000 chr3	1.7E+08	1.7E+08	NA	NA		0.424598842	0.334955274	0.089643568	0.362509712
ENSG0000 chr22	51129292	51131291	RNU6-409F	NA		0.346479339	0.448260837	-0.101781498	-0.362350537
ENSG0000 chr19	40561617	40563616	ZNF780B		163131	0.103737973	0.159795769	-0.056057796	-0.609901343
ENSG0000 chr22	45658967	45660966	NA	NA		0.10950563	0.165532159	0.056026529	0.554656779
ENSG0000 chr19	13900473	13902472	NA	NA		0.271776036	0.352108668	0.080332632	0.361873793
ENSG0000 chr8	16772054	16774053	NA	NA		0.676489656	0.524269884	0.152219773	0.361669287
ENSG0000 chr11	1.19E+08	1.19E+08	NA	NA		0.157147963	0.213013011	0.055865049	0.416002116
ENSG0000 chr16	576217	578216	CAPN15		6650	0.079257506	0.135021843	-0.055764337	-0.625974947
ENSG0000 chr5	1.06E+08	1.06E+08	NA	NA		0.719036195	0.557565507	0.161470689	0.36120353
ENSG0000 chr8	32622143	32624142	NA	NA		0.516546606	0.394560613	0.121985993	0.380205363
ENSG0000 chr11	33374511	33376510	NA	NA		0.640979514	0.496808621	0.144170893	0.361171079
ENSG0000 chr5	1.15E+08	1.15E+08	NA	NA		0.660195267	0.523531399	0.136663869	0.361062541
ENSG0000 chr5	28623264	28625263	RNU6-909F	NA		0.56986336	0.441353491	0.128509869	0.361034639
ENSG0000 chr13	1.14E+08	1.14E+08	MCF2L		23263	0.283215517	0.340325679	-0.057110162	-0.362187598
ENSG0000 chr10	91086151	91088150	IFIT3		3437	0.079194149	0.134799118	-0.055604969	-0.63289716
ENSG0000 chr8	19615041	19617040	CSGALNAC		55790	0.166557228	0.223569392	-0.057012165	-0.466066381
ENSG0000 chr9	1.09E+08	1.09E+08	NA	NA		0.28969017	0.37821252	0.08852235	0.373374883
ENSG0000 chr3	1.86E+08	1.86E+08	NA	NA		0.503756923	0.408313184	0.09544374	0.359219793
ENSG0000 chr15	1E+08	1E+08	NA	NA		0.201549882	0.146479236	0.055070646	0.435026653
ENSG0000 chr18	12945632	12947631	SEH1L		81929	0.083690712	0.13864596	-0.054955248	-0.675625956
ENSG0000 chr1	67704711	67706710	NA	NA		0.556551277	0.432124555	0.124426722	0.357753675
ENSG0000 chr7	65278159	65280158	RNU6-912F	NA		0.430227034	0.333548135	0.096678899	0.357735492
ENSG0000 chr1	1.77E+08	1.77E+08	PTP4A1P7	NA		0.412692894	0.329089355	0.083603539	0.357501584
ENSG0000 chr8	29900925	29902924	RNU6-121E	NA		0.541053321	0.431663932	0.109389389	0.357352717
ENSG0000 chr6	1.13E+08	1.13E+08	NA	NA		0.22114585	0.286477473	0.065331623	0.357147123
ENSG0000 chr15	90940614	90942613	NA	NA		0.585379754	0.454747622	0.130632132	0.356545374
ENSG0000 chr6	28742193	28744192	NA	NA		0.219357875	0.276636969	0.057279095	0.356473547
ENSG0000 chr14	52453438	52455437	NA	NA		0.596915552	0.464145562	0.13276999	0.356165758
ENSG0000 chr17	33893639	33895638	NA	NA		0.127221174	0.181621436	0.054400261	0.626382323
ENSG0000 chr4	1.05E+08	1.05E+08	CXXC4		80319	0.116101255	0.170494502	-0.054393247	-0.509332857
ENSG0000 chr15	41051295	41053294	SUMO2P15	NA		0.591859024	0.460275229	0.131583795	0.355920255
ENSG0000 chr5	1.57E+08	1.57E+08	NA	NA		0.576449176	0.448367407	0.128081769	0.355501622
ENSG0000 chr20	4861530	4863529	NA	NA		0.266139794	0.345609582	0.079469788	0.368517819

ENSG0000 chr10	24927595	24929594	RNA5SP30!	NA	0.391793538	0.304080475	0.087713063	0.355320102
ENSG0000 chr7	42833005	42835004	TCP1P1	NA	0.607664096	0.484808135	0.122855961	0.355172481
ENSG0000 chr19	14693407	14695406	RN7SL337F	NA	0.296615652	0.350649063	-0.054033411	-0.377333882
ENSG0000 chr19	849514	851513	ELANE	1991	0.22097326	0.280943935	-0.059970674	-0.361028129
ENSG0000 chr5	41868632	41870631	OXCT1-AS1	100874002	0.207611602	0.261486267	-0.053874665	-0.502506801
ENSG0000 chr20	22033331	22035330	NA	100270679	0.664787658	0.517788132	0.146999526	0.354474676
ENSG0000 chr2	2.14E+08	2.14E+08	NA	NA	0.633643665	0.50558352	0.128060144	0.354387096
ENSG0000 chr16	5665698	5667697	NA	101926950	0.193510017	0.247123665	0.053613648	0.615527337
ENSG0000 chr12	52106891	52108890	HNRNPA3P	NA	0.664538298	0.51787469	0.146663608	0.353704862
ENSG0000 chr4	1.44E+08	1.44E+08	NA	NA	0.487528928	0.379803394	0.107725534	0.353669034
ENSG0000 chr4	1.72E+08	1.72E+08	NA	100506122	0.584975465	0.45564941	0.129326055	0.353586027
ENSG0000 chr19	1875669	1877668	NA	NA	0.133443792	0.186958172	0.05351438	0.589627079
ENSG0000 chr1	24525230	24527229	NA	284632	0.137102844	0.190611742	0.053508897	0.575256392
ENSG0000 chr9	95166479	95168478	OGN	4969	0.435302225	0.337902083	0.097400142	0.355352906
ENSG0000 chr20	5512774	5514773	NA	NA	0.601954176	0.469511458	0.132442718	0.353117793
ENSG0000 chr1	2E+08	2E+08	RNU6-778F	NA	0.370608223	0.285004813	0.085603411	0.367568242
ENSG0000 chr18	21594804	21596803	NA	NA	0.049518698	0.102976853	0.053458155	0.790177521
ENSG0000 chr19	46683405	46685404	NA	NA	0.33690026	0.39020804	0.05330778	0.445909267
ENSG0000 chr11	1.05E+08	1.05E+08	NA	643733	0.435971594	0.336988695	0.098982899	0.36206316
ENSG0000 chr4	1.12E+08	1.12E+08	RNU6-289F	NA	0.401374061	0.333026257	0.068347804	0.352169049
ENSG0000 chr22	30640484	30642483	NA	NA	0.327464512	0.492152118	0.164687606	0.573388673
ENSG0000 chr14	31580946	31582945	RPL21P5	NA	0.262928142	0.20388654	0.059041602	0.351675465
ENSG0000 chr3	75262127	75264126	MIR4444-1	100616394;1	0.504385533	0.393124516	0.111261017	0.351495369
ENSG0000 chr3	75262282	75264281	HNRNPA3P	NA	0.504385533	0.393124516	0.111261017	0.351495369
ENSG0000 chr5	74903142	74905141	NA	NA	0.348555559	0.271056378	0.077499181	0.351337129
ENSG0000 chr8	1.01E+08	1.01E+08	MIR599	693184	0.62168483	0.485202302	0.136482528	0.351186904
ENSG0000 chr8	1.01E+08	1.01E+08	MIR875	100126309	0.62168483	0.485202302	0.136482528	0.351186904
ENSG0000 chr15	30394423	30396422	ULK4P3	89837	0.106812551	0.159898622	-0.053086071	-0.540478856
ENSG0000 chr4	75479129	75481128	AREGB	374;727738	0.141152934	0.194231037	-0.053078103	-0.597990403
ENSG0000 chr17	18312973	18314972	NA	400579	0.444829159	0.346568063	0.098261096	0.351147258
ENSG0000 chr1	48912108	48914107	RNU4-61P	NA	0.454393243	0.353265938	0.101127304	0.350914158
ENSG0000 chr7	1.39E+08	1.39E+08	ERHP1	NA	0.208169204	0.268231205	-0.060062001	-0.350836766
ENSG0000 chr9	35828245	35830244	FAM221B	392307	0.092036593	0.144980974	-0.052944381	-0.57073467
ENSG0000 chr5	61172436	61174435	NA	NA	0.607900206	0.474572028	0.133328178	0.350662726

ENSG0000 chr8	62678029	62680028	NA	101929610	0.604954289	0.472287159	0.13266713	0.350586777
ENSG0000 chr22	20427336	20429335	PI4KAP1	728233	0.103009094	0.179195727	-0.076186633	-0.77831569
ENSG0000 chr5	1.7E+08	1.7E+08	NA	257358	0.140906343	0.193755412	0.052849068	0.474129564
ENSG0000 chr9	35644767	35646766	NA	101926948	0.087851646	0.140686304	0.052834658	0.636707251
ENSG0000 chr4	68294973	68296972	RNU1-63P	NA	0.532497293	0.415667203	0.11683009	0.349890002
ENSG0000 chr12	69350958	69352957	PRELID2P1	NA	0.272141999	0.352015726	-0.079873727	-0.359630933
ENSG0000 chr11	5207113	5209112	OR52A1	23538	0.508377538	0.396842237	0.111535301	0.349533743
ENSG0000 chr20	34202314	34204313	SPAG4	6676	0.206886513	0.259523423	-0.052636909	-0.442706873
ENSG0000 chr19	10709142	10711141	NA	NA	0.591782835	0.462344504	0.129438331	0.349403484
ENSG0000 chr2	2.32E+08	2.32E+08	RNU2-22P	NA	0.646135256	0.506032892	0.140102364	0.349019247
ENSG0000 chr14	45511026	45513025	KLHL28	54813	0.567903711	0.443727268	0.124176443	0.349003768
ENSG0000 chr12	42790852	42792851	RNU6-249F	NA	0.709302234	0.554914302	0.154387931	0.348566057
ENSG0000 chr4	1.8E+08	1.8E+08	NA	NA	0.575475113	0.44988374	0.125591372	0.348338655
ENSG0000 chr19	47521577	47523576	NPAS1	4861	0.082621167	0.135036048	-0.052414882	-0.648099795
ENSG0000 chr16	15970624	15972623	RNU6-213F	NA	0.553920863	0.433020935	0.120899928	0.348117843
ENSG0000 chr4	1.47E+08	1.47E+08	NA	NA	0.195896059	0.2513286	0.055432541	0.347977856
ENSG0000 chr19	9929704	9931703	NA	NA	0.142270494	0.194563684	0.05229319	0.500467691
ENSG0000 chr1	1.7E+08	1.7E+08	SELE	6401	0.634051059	0.496200154	0.137850905	0.347440501
ENSG0000 chr1	1.7E+08	1.7E+08	NA	101928628	0.634051059	0.496200154	0.137850905	0.347440501
ENSG0000 chr17	12875643	12877642	RN7SL550F	NA	0.09079068	0.14945711	-0.05866643	-0.679595249
ENSG0000 chr2	2.43E+08	2.43E+08	NA	NA	0.156079978	0.208276593	0.052196615	0.420474122
ENSG0000 chr1	1.55E+08	1.55E+08	NA	NA	0.35200535	0.450502518	0.098497167	0.347198024
ENSG0000 chr15	74782870	74784869	NA	NA	0.609348952	0.476892673	0.132456279	0.347148687
ENSG0000 chr10	69864412	69866411	MYPN	84665	0.476068991	0.393291589	0.082777402	0.388554805
ENSG0000 chr17	61688045	61690044	NA	NA	0.29752166	0.381084812	0.083563152	0.346793479
ENSG0000 chr1	1E+08	1E+08	NA	NA	0.621184197	0.490447571	0.130736626	0.346710468
ENSG0000 chr13	33485289	33487288	LINC00423	100874167	0.571888029	0.447710243	0.124177787	0.34630699
ENSG0000 chr4	1.59E+08	1.59E+08	NA	101929911	0.301332121	0.373005075	0.071672953	0.346159852
ENSG0000 chr12	83563869	83565868	NA	NA	0.541078076	0.423551409	0.117526668	0.346053661
ENSG0000 chr12	57030101	57032100	BAZ2A	11176	0.077329349	0.129135656	-0.051806306	-0.644224433
ENSG0000 chr3	1.52E+08	1.52E+08	NA	NA	0.527362814	0.412817906	0.114544907	0.345860012
ENSG0000 chr2	1.78E+08	1.78E+08	NA	NA	0.087004359	0.138803599	0.05179924	0.615334658
ENSG0000 chr9	1.05E+08	1.05E+08	LINC00587	414319	0.483123572	0.377861475	0.105262097	0.345817159
ENSG0000 chr11	65655511	65657510	FIBP	9158	0.110227954	0.162022638	-0.051794684	-0.550387763

ENSG0000 chr4	1.58E+08	1.58E+08	NA		340017	0.618292333	0.484529051	0.133763282	0.345380701
ENSG0000 chr1	52265200	52267199	NA	NA		0.564201904	0.442000029	0.122201875	0.345235249
ENSG0000 chr4	16228534	16230533	TAPT1		202018	0.246463128	0.306876155	-0.060413028	-0.403314029
ENSG0000 chr9	95186244	95188243	OMD		4958	0.517093419	0.407745961	0.109347457	0.344515081
ENSG0000 chr13	73674624	73676623	FABP5P1	NA		0.49830204	0.396567031	0.101735009	0.344250802
ENSG0000 chr1	89641224	89643223	GBP7		388646	0.566419624	0.442938088	0.123481536	0.344182186
ENSG0000 chr16	87359093	87361092	NA	NA		0.257208449	0.329175325	0.071966876	0.344065592
ENSG0000 chr13	28544777	28546776	CDX2		1045	0.129697162	0.181127286	-0.051430124	-0.508721352
ENSG0000 chr18	12533025	12535024	NA	NA		0.59631202	0.468565083	0.127746937	0.343967774
ENSG0000 chr11	1.34E+08	1.34E+08	NCAPD3		23310	0.105370914	0.156738724	-0.05136781	-0.599324777
ENSG0000 chr12	8548900	8550899	LINC00937		389634	0.096360755	0.147675352	-0.051314597	-0.468207556
ENSG0000 chr11	6767862	6769861	GVINP2	NA		0.303326921	0.387557411	-0.08423049	-0.343494482
ENSG0000 chr15	36904175	36906174	NA	NA		0.554740202	0.435096043	0.119644159	0.343470662
ENSG0000 chr17	42384281	42386280	RUNDC3A		10900	0.108984495	0.160225789	-0.051241294	-0.574708277
ENSG0000 chr5	1.54E+08	1.54E+08	NA	NA		0.170627967	0.221861124	0.051233157	0.346509298
ENSG0000 chr19	33776146	33778145	NA	NA		0.190139784	0.241352072	0.051212288	0.350805964
ENSG0000 chr11	61348121	61350120	SYT7		9066	0.127277797	0.178474959	-0.051197162	-0.549896528
ENSG0000 chr11	59056460	59058459	NA	NA		0.37442893	0.477622264	0.103193334	0.343047088
ENSG0000 chr14	31358515	31360514	NA		100506071	0.620803357	0.48730873	0.133494627	0.343000917
ENSG0000 chr9	69145439	69147438	NA	NA		0.276477541	0.33047933	0.054001789	0.342974993
ENSG0000 chr1	27974430	27976429	NA	NA		0.470816884	0.369085105	0.101731779	0.342965785
ENSG0000 chr1	1.52E+08	1.52E+08	HMG3P1	NA		0.148545364	0.239901896	-0.091356532	-0.656466155
ENSG0000 chr4	1.59E+08	1.59E+08	NUDT19P5	NA		0.573418366	0.450076001	0.123342364	0.342658598
ENSG0000 chr19	39832513	39834512	GMFG		9535	0.108927198	0.159930677	-0.051003479	-0.539808663
ENSG0000 chr5	1.41E+08	1.41E+08	NA	NA		0.551951256	0.43326477	0.118686486	0.342276292
ENSG0000 chr22	38437737	38439736	NA	NA		0.281127336	0.359053741	0.077926405	0.342180605
ENSG0000 chr22	30722536	30724535	TBC1D10A		83874	0.162140529	0.21306099	-0.050920461	-0.532593722
ENSG0000 chr13	81616305	81618304	NA	NA		0.456310353	0.357903197	0.098407156	0.341964247
ENSG0000 chr12	45315132	45317131	NELL2		4753	0.389458403	0.305161896	0.084296507	0.34195216
ENSG0000 chr7	1.32E+08	1.32E+08	NA	NA		0.568385807	0.446368138	0.12201767	0.341834081
ENSG0000 chr5	13553576	13555575	NA	NA		0.23312224	0.299100591	0.06597835	0.346394537
ENSG0000 chr19	18131712	18133711	NA	NA		0.240183933	0.311236396	0.071052464	0.368257509
ENSG0000 chr6	1.09E+08	1.09E+08	NA	NA		0.584123147	0.459465787	0.12465736	0.341493483
ENSG0000 chr20	26170125	26172124	NA	NA		0.523732548	0.430831183	0.092901365	0.341357802

ENSG0000 chr1	1.54E+08	1.54E+08	NA	NA	0.422851598	0.339516083	0.083335515	0.341355771
ENSG0000 chr2	71182865	71184864	TCEB1P21	NA	0.139277566	0.19061297	-0.051335404	-0.426417516
ENSG0000 chr1	62673615	62675614	NA	NA	0.455010747	0.357082814	0.097927933	0.341158486
ENSG0000 chr16	89043113	89045112	CBFA2T3	863	0.168467053	0.219182945	-0.050715892	-0.41684708
ENSG0000 chr3	1.69E+08	1.69E+08	NA	NA	0.069528396	0.120195671	0.050667274	0.709721348
ENSG0000 chr17	26742440	26744439	H3F3BP2	NA	0.175194103	0.233327045	-0.058132941	-0.340765094
ENSG0000 chr9	44400266	44402265	NA	NA	0.232489894	0.297045982	0.064556087	0.340530098
ENSG0000 chr16	50726014	50728013	NOD2	64127	0.198596169	0.249136876	-0.050540707	-0.424270829
ENSG0000 chr17	79520488	79522487	C17orf70	80233	0.104501126	0.155011778	-0.050510652	-0.599074746
ENSG0000 chr2	2.32E+08	2.32E+08	MIR4777	100616317	0.12531522	0.176342127	-0.051026907	-0.461629747
ENSG0000 chr13	41753724	41755723	NA	NA	0.487749418	0.382218483	0.105530935	0.340105718
ENSG0000 chr11	3394352	3396351	NA	NA	0.513052915	0.403833398	0.109219517	0.339951559
ENSG0000 chr11	5256101	5258100	HBD	3045	0.585299616	0.459008786	0.12629083	0.339946702
ENSG0000 chr6	74100991	74102990	RPS6P8	NA	0.548755933	0.431500059	0.117255874	0.339804614
ENSG0000 chr4	76750243	76752242	RNU2-16P	NA	0.698305222	0.549765632	0.14853959	0.339548267
ENSG0000 chr4	76750404	76752403	NA	NA	0.698305222	0.549765632	0.14853959	0.339548267
ENSG0000 chr6	81151561	81153560	NA	NA	0.569009175	0.446682168	0.122327006	0.339319245
ENSG0000 chr12	83543610	83545609	RPL6P25	NA	0.301262276	0.383785279	-0.082523003	-0.339278441
ENSG0000 chr10	43912389	43914388	NA	NA	0.280171901	0.330394153	0.050222252	0.410412862
ENSG0000 chr22	17075876	17077875	FABP5P11	NA	0.177005893	0.243636987	-0.066631094	-0.439681411
ENSG0000 chr22	23744414	23746413	ZDHC8P1	150244	0.208132109	0.258326105	-0.050193997	-0.425510316
ENSG0000 chr11	1.31E+08	1.31E+08	NA	NA	0.305140976	0.355272778	0.050131801	0.391194174
ENSG0000 chr1	2.47E+08	2.47E+08	MIR3916	100500849	0.069424782	0.119519985	-0.050095203	-0.688071752
ENSG0000 chr2	1.94E+08	1.94E+08	PCGEM1	64002	0.654936629	0.515829106	0.139107523	0.338622851
ENSG0000 chr3	1.87E+08	1.87E+08	NA	NA	0.213984499	0.263940126	0.049955626	0.471263633
ENSG0000 chr3	1.87E+08	1.87E+08	NA	NA	0.213984499	0.263940126	0.049955626	0.471263633
ENSG0000 chr12	1.32E+08	1.32E+08	NA	NA	0.297774909	0.247832134	0.049942774	0.358116539
ENSG0000 chr16	30537643	30539642	ZNF768	79724	0.074810004	0.124689622	-0.049879618	-0.639799081
ENSG0000 chr2	2.34E+08	2.34E+08	NA	NA	0.522552028	0.411281225	0.111270803	0.338138855
ENSG0000 chr6	1.09E+08	1.09E+08	ZNF259P1	NA	0.574605258	0.452477211	0.122128047	0.338080528
ENSG0000 chr10	1.3E+08	1.3E+08	CLRN3	119467	0.594932875	0.468596785	0.12633609	0.337964361
ENSG0000 chr10	45810557	45812556	OR13A1	79290	0.558151955	0.456346087	0.101805868	0.337923443
ENSG0000 chr4	23286697	23288696	NA	NA	0.689979846	0.543878814	0.146101032	0.337743029
ENSG0000 chr3	1.69E+08	1.69E+08	ACTRT3	84517	0.070762588	0.120459113	-0.049696525	-0.689249778

ENSG0000 chr11	1.03E+08	1.03E+08	NA	NA	0.479545683	0.377488206	0.102057477	0.337291096
ENSG0000 chr17	27038373	27040372	PROCA1	147011	0.171680818	0.222697256	-0.051016438	-0.464444742
ENSG0000 chr9	1.39E+08	1.39E+08	GPSM1	26086	0.144946532	0.204354295	-0.059407764	-0.571061164
ENSG0000 chr3	1.21E+08	1.21E+08	RPL7AP11	NA	0.654283419	0.515864382	0.138419037	0.337108122
ENSG0000 chr17	74117158	74119157	EXOC7	23265	0.093945643	0.143574207	-0.049628564	-0.551683148
ENSG0000 chr9	35757438	35759437	NA	NA	0.227233979	0.289678601	0.062444622	0.337105406
ENSG0000 chr11	64655269	64657268	EHD1	10938	0.167009069	0.217076199	-0.05006713	-0.337022123
ENSG0000 chr14	22916605	22918604	TRDD3	NA	0.121384051	0.17095694	-0.049572889	-0.426792092
ENSG0000 chr16	31106802	31108801	VKORC1	79001	0.243937515	0.293494223	-0.049556707	-0.374656451
ENSG0000 chr4	84444002	84446001	FAM175A	84142	0.586759293	0.482218612	0.10454068	0.336834807
ENSG0000 chr1	2.48E+08	2.48E+08	OR2L2	26246	0.585050733	0.461162819	0.123887914	0.33678698
ENSG0000 chr19	17502594	17504593	NA	NA	0.170852312	0.220304274	0.049451962	0.35028682
ENSG0000 chr9	557326	559325	RNU6-1327	NA	0.62425933	0.493971741	0.13028759	0.33664375
ENSG0000 chr1	1.49E+08	1.49E+08	RNVU1-17	101954269	0.140252591	0.1896729	-0.049420309	-0.412518682
ENSG0000 chr18	44334950	44336949	NA	NA	0.15091842	0.216741947	0.065823527	0.519213306
ENSG0000 chr15	90835683	90837682	RN7SL736f	NA	0.27473165	0.342171402	-0.067439753	-0.336433984
ENSG0000 chr18	33876177	33878176	FHOD3	80206	0.062381487	0.111700937	-0.049319449	-0.760552521
ENSG0000 chr4	3293255	3295254	RGS12	6002	0.085777058	0.135093713	-0.049316655	-0.464402832
ENSG0000 chr1	1.68E+08	1.68E+08	DCAF6	55827	0.116156339	0.165333326	-0.049176987	-0.553519222
ENSG0000 chr11	33192537	33194536	NA	NA	0.520607755	0.413056619	0.107551135	0.335582038
ENSG0000 chr2	1.06E+08	1.06E+08	NA	NA	0.141769599	0.190935815	0.049166216	0.451988518
ENSG0000 chr1	21671498	21673497	ECE1	1889	0.076495698	0.125613887	-0.049118189	-0.625119526
ENSG0000 chr6	31803353	31805352	SNORD52	26797	0.272526992	0.330431741	-0.05790475	-0.375883306
ENSG0000 chr11	8865310	8867309	RNA5SP33f	NA	0.602255921	0.475283989	0.126971932	0.335305559
ENSG0000 chr2	2.41E+08	2.41E+08	NA	NA	0.111810171	0.160895146	0.049084975	0.512788148
ENSG0000 chr17	7238348	7240347	ACAP1	9744	0.148384538	0.197419928	-0.049035389	-0.458074707
ENSG0000 chr13	95669989	95671988	RNU6-62P	NA	0.651828992	0.514814069	0.137014924	0.334652098
ENSG0000 chr2	85810031	85812030	VAMP5	10791	0.222219636	0.271164711	-0.048945076	-0.373221999
ENSG0000 chr10	91214321	91216320	NA	101926906	0.290152009	0.368473474	0.078321465	0.334498865
ENSG0000 chr6	31581461	31583460	AIF1	199	0.196335059	0.262151868	-0.065816808	-0.442830608
ENSG0000 chr1	70496406	70498405	NA	NA	0.581921737	0.459568171	0.122353567	0.334071819
ENSG0000 chr22	38244835	38246834	ANKRD54	129138	0.08119264	0.129994854	-0.048802214	-0.637363695
ENSG0000 chr9	15510518	15512517	PSIP1	11168	0.097691607	0.146486817	-0.048795209	-0.598524437
ENSG0000 chr17	26442933	26444932	RPS29P22	NA	0.384181092	0.302759084	0.081422007	0.333806784

ENSG0000 chr6	1.46E+08	1.46E+08	RNU1-33P	NA		0.458725725	0.361910842	0.096814883	0.333787169
ENSG0000 chr19	46476305	46478304	NOVA2		4858	0.142637766	0.191389628	-0.048751862	-0.448759184
ENSG0000 chr1	1.53E+08	1.53E+08	SPRR2E		6704	0.186370325	0.137643094	0.048727231	0.411463053
ENSG0000 chr20	44650213	44652212	NA	NA		0.088615529	0.137339331	0.048723802	0.628034305
ENSG0000 chr8	94743944	94745943	NA	NA		0.524143594	0.447389452	0.076754142	0.333234689
ENSG0000 chr11	68636632	68638631	NA	NA		0.25808397	0.323324794	0.065240824	0.400049584
ENSG0000 chr9	39816809	39818808	NA	NA		0.113999184	0.162677367	0.048678184	0.53780444
ENSG0000 chr9	39816809	39818808	NA	NA		0.113999184	0.162677367	0.048678184	0.53780444
ENSG0000 chr2	2E+08	2E+08	NA	NA		0.541068714	0.427524116	0.113544598	0.332869684
ENSG0000 chr7	43150698	43152697	HECW1		23072	0.149795886	0.198400935	-0.04860505	-0.38505066
ENSG0000 chr14	50175011	50177010	NA	NA		0.688177521	0.544415299	0.143762221	0.332626837
ENSG0000 chr5	1.63E+08	1.63E+08	NA	NA		0.751644987	0.594950125	0.156694861	0.332302489
ENSG0000 chr12	56325903	56327902	WIBG		84305	0.120456553	0.16898937	-0.048532816	-0.575129999
ENSG0000 chr3	72935724	72937723	GXYLT2		727936	0.114898559	0.163429773	-0.048531214	-0.490114657
ENSG0000 chr3	1E+08	1E+08	GMFBP1	NA		0.415813817	0.328235212	0.087578605	0.332195905
ENSG0000 chr15	84976036	84978035	UBE2Q2P1	NA		0.082682228	0.160581594	-0.077899366	-0.880097358
ENSG0000 chr15	84975816	84977815	NA	NA		0.082682228	0.160581594	0.077899366	0.880097358
ENSG0000 chr1	45396495	45398494	RNA5SP47	NA		0.408750881	0.322676391	0.086074491	0.331972742
ENSG0000 chr7	1.24E+08	1.24E+08	NA	NA		0.49930237	0.379572067	0.119730304	0.386632196
ENSG0000 chr17	71158999	71160998	POLR3KP2	NA		0.114220562	0.162656923	-0.048436361	-0.569129404
ENSG0000 chr8	48504672	48506671	NA	NA		0.431916399	0.341173925	0.090742474	0.331587741
ENSG0000 chr13	28805138	28807137	RNU6-82P		100873781	0.591842978	0.468888395	0.122954583	0.331557389
ENSG0000 chr11	64979811	64981810	SLC22A20		440044	0.179085776	0.230316141	-0.051230365	-0.331517368
ENSG0000 chr3	52332584	52334583	GLYCTK-AS	NA		0.236027558	0.284432346	-0.048404788	-0.439046499
ENSG0000 chr21	26426348	26428347	NA	NA		0.561155849	0.444200557	0.116955292	0.331280971
ENSG0000 chr9	1.4E+08	1.4E+08	C9orf169		375791	0.06368605	0.112075373	-0.048389323	-0.693544808
ENSG0000 chr6	1.4E+08	1.4E+08	NA	NA		0.25583466	0.311314039	0.055479379	0.330946317
ENSG0000 chr11	4232822	4234821	NA	NA		0.152386652	0.104101526	0.048285127	0.50911497
ENSG0000 chr10	119604	121603	TUBB8		347688;6432	0.114306016	0.162588542	-0.048282526	-0.482319031
ENSG0000 chr22	18582878	18584877	NA	NA		0.601961002	0.476552061	0.125408941	0.330845537
ENSG0000 chr11	56947721	56949720	LRR55		219527	0.303007933	0.355881478	-0.052873545	-0.330765736
ENSG0000 chr3	48471095	48473094	PLXNB1		5364	0.237222335	0.285463032	-0.048240697	-0.354768008
ENSG0000 chr15	41136086	41138085	NA	NA		0.057108555	0.105326171	0.048217616	0.657492722
ENSG0000 chr10	62760699	62762698	RHOBTB1		9886	0.223313337	0.271520838	-0.048207501	-0.339800177

ENSG0000 chr15	28833138	28835137	HERC2P9	440248;1019	0.238834013	0.323636968	-0.084802956	-0.423095456
ENSG0000 chr5	3599803	3601802	NA	NA	0.116755092	0.16492505	0.048169958	0.433831759
ENSG0000 chr6	27790384	27792383	HIST1H4J	8294;8359;8	0.15190279	0.199919615	-0.048016824	-0.464855823
ENSG0000 chr13	1.01E+08	1.01E+08	LINC00554	100861542	0.235929662	0.283933776	-0.048004114	-0.430611726
ENSG0000 chr1	28908996	28910995	SNHG12	85028;67782	0.100268099	0.151842873	-0.051574774	-0.553578368
ENSG0000 chr4	1.1E+08	1.1E+08	RNU6-431F	NA	0.281744079	0.230106051	0.051638028	0.345639834
ENSG0000 chr18	22634064	22636063	NA	NA	0.330194786	0.417457284	0.087262498	0.329419228
ENSG0000 chr2	1.82E+08	1.82E+08	NA	101927156	0.436103144	0.350102343	0.086000801	0.329324313
ENSG0000 chr6	82445571	82447570	NA	NA	0.59114213	0.468188853	0.122953278	0.329231956
ENSG0000 chr3	50711011	50713010	MIR4787	100616138	0.143268975	0.192022713	-0.048753738	-0.328920886
ENSG0000 chr3	50711172	50713171	DOCK3	1795	0.143268975	0.192022713	-0.048753738	-0.328920886
ENSG0000 chr19	36398698	36400697	TYROBP	7305	0.227208426	0.27968356	-0.052475135	-0.376831965
ENSG0000 chr9	4386057	4388056	RNU6-694F	NA	0.459482319	0.363893381	0.095588938	0.328330684
ENSG0000 chr3	79816466	79818465	ROBO1	6091	0.137318379	0.185002262	-0.047683884	-0.4936373
ENSG0000 chr17	37007413	37009412	NA	NA	0.230014347	0.280834021	0.050819675	0.379671208
ENSG0000 chr7	1.29E+08	1.29E+08	NA	NA	0.236617904	0.284293716	0.047675811	0.42270141
ENSG0000 chr14	22572120	22574119	TRAV24	NA	0.201133429	0.248781157	-0.047647728	-0.345623283
ENSG0000 chr6	71873279	71875278	LYPLA1P3	NA	0.675821786	0.57612981	0.099691975	0.327834278
ENSG0000 chr17	26200171	26202170	NA	NA	0.661427783	0.524974102	0.136453681	0.327763183
ENSG0000 chr12	50011617	50013616	HIGD1AP9	NA	0.699527687	0.555334948	0.144192739	0.327753097
ENSG0000 chr10	22629045	22631044	NA	NA	0.05665637	0.104246075	0.047589705	0.742909696
ENSG0000 chr7	6412654	6414653	RAC1	5879	0.165324986	0.214279475	-0.048954489	-0.572995497
ENSG0000 chr22	26823739	26825738	ASPHD2	57168	0.076984499	0.124564982	-0.047580483	-0.603488391
ENSG0000 chr4	40503637	40505636	MIR4802	100616274	0.281730845	0.356115057	-0.074384212	-0.327659174
ENSG0000 chr1	24164611	24166610	HMGCL	3155	0.3137916	0.361341239	-0.047549639	-0.485643838
ENSG0000 chr7	1.18E+08	1.18E+08	ANKRD7	56311	0.10496396	0.154237715	-0.049273755	-0.501078099
ENSG0000 chr19	14542365	14544364	PKN1	5585	0.222835283	0.270340357	-0.047505074	-0.399126266
ENSG0000 chr22	24092780	24094779	ZNF70	7621	0.069249174	0.11673885	-0.047489676	-0.702657876
ENSG0000 chr10	1.12E+08	1.12E+08	NA	NA	0.095050979	0.14253854	0.047487561	0.544062739
ENSG0000 chr17	28882630	28884629	TBC1D29	26083	0.312511654	0.394623561	-0.082111907	-0.327229034
ENSG0000 chr19	39832086	39834085	NA	NA	0.105266576	0.152731859	0.047465283	0.513762838
ENSG0000 chr7	72395164	72397163	NA	NA	0.079034914	0.126485279	0.047450365	0.612764946
ENSG0000 chr7	1.39E+08	1.39E+08	ZC3HAV1L	92092	0.141141843	0.188555999	-0.047414156	-0.538127163
ENSG0000 chr19	8426673	8428672	ANGPTL4	51129	0.349130894	0.41188795	-0.062757056	-0.326890241

ENSG0000 chr14	57670388	57672387	NA	NA	0.701989448	0.557652224	0.144337225	0.326848538
ENSG0000 chr17	61778033	61780032	LIMD2	80774	0.092260092	0.139632917	-0.047372825	-0.506390258
ENSG0000 chr17	78451144	78453143	NPTX1	4884	0.07872939	0.129372359	-0.050642969	-0.699963865
ENSG0000 chr19	3573789	3575788	MFSD12	126321	0.398485742	0.445812248	-0.047326506	-0.424486169
ENSG0000 chr3	1.15E+08	1.15E+08	YBX1P3	NA	0.649726947	0.516205033	0.133521914	0.326243986
ENSG0000 chr6	27864845	27866844	RNU7-26P	NA	0.56351838	0.44730755	0.116210829	0.32613579
ENSG0000 chr17	42014231	42016230	NA	NA	0.133533572	0.18076905	0.047235479	0.354828942
ENSG0000 chr11	94206237	94208236	NA	NA	0.537565535	0.441264077	0.096301458	0.325852898
ENSG0000 chr3	1.92E+08	1.92E+08	FGF12-AS2	NA	0.089432958	0.136665133	-0.047232174	-0.512503531
ENSG0000 chr5	68826045	68828044	RNU6-724F	NA	0.442549373	0.354652945	0.087896428	0.325776309
ENSG0000 chr16	1382102	1384101	BAIAP3	8938	0.100290411	0.147492954	-0.047202543	-0.485692742
ENSG0000 chr14	39852851	39854850	NA	NA	0.511613332	0.437650536	0.073962796	0.325657533
ENSG0000 chr14	56583032	56585031	PELI2	57161	0.081185165	0.128363379	-0.047178214	-0.53242434
ENSG0000 chr3	1.22E+08	1.22E+08	NA	NA	0.593999735	0.47202804	0.121971695	0.325430844
ENSG0000 chr17	65992048	65994047	NA	NA	0.059855976	0.106986752	0.047130776	0.743889726
ENSG0000 chr17	56032185	56034184	CUEDC1	404093	0.098376624	0.145372622	-0.046995998	-0.517439445
ENSG0000 chr1	1.72E+08	1.72E+08	VAMP4	8674	0.106278748	0.153257171	-0.046978423	-0.622714859
ENSG0000 chr2	1.72E+08	1.72E+08	NA	NA	0.58234932	0.462962285	0.119387036	0.32472307
ENSG0000 chr2	1.72E+08	1.72E+08	ERICH2	285141	0.58234932	0.462962285	0.119387036	0.32472307
ENSG0000 chr20	57089688	57091687	APCDD1L	164284	0.11368482	0.160612818	-0.046927998	-0.415532071
ENSG0000 chr17	38277051	38279050	MSL1	339287	0.089968995	0.136891004	-0.046922009	-0.512888307
ENSG0000 chr7	30327910	30329909	MIR550A1	693133;1005	0.309756073	0.390444691	-0.080688618	-0.324631231
ENSG0000 chr1	1.58E+08	1.58E+08	CD5L	922	0.313330308	0.394813357	-0.081483048	-0.324248143
ENSG0000 chr19	9929317	9931316	NA	NA	0.125971796	0.172773058	0.046801262	0.486011358
ENSG0000 chr17	57065816	57067815	NA	NA	0.633402248	0.503986018	0.12941623	0.323991862
ENSG0000 chr12	18844196	18846195	PSMC1P9	NA	0.54132743	0.430455579	0.110871851	0.323912853
ENSG0000 chr4	1.19E+08	1.19E+08	PRSS12	8492	0.118946382	0.165641874	-0.046695492	-0.453446019
ENSG0000 chr20	57088935	57090934	APCDD1L- <del>l</del>	149773	0.113189924	0.159856671	-0.046666747	-0.418103809
ENSG0000 chr7	64030316	64032315	NA	NA	0.168721527	0.215358111	0.046636584	0.398332059
ENSG0000 chr11	1.25E+08	1.25E+08	NA	NA	0.10300644	0.153151121	0.050144681	0.604530977
ENSG0000 chr12	311308	313307	NA	NA	0.362601278	0.313263776	0.049337502	0.323266589
ENSG0000 chr11	47861376	47863375	NA	NA	0.584894562	0.464946646	0.119947916	0.323205956
ENSG0000 chr8	58889417	58891416	NA	NA	0.621348756	0.494644324	0.126704432	0.32317024
ENSG0000 chr22	50964369	50966368	SCO2	9997	0.254118444	0.30066949	-0.046551046	-0.339200465

ENSG0000 chr3	20233867	20235866	RNY4P22	NA		0.525818966	0.418421679	0.107397287	0.322714163
ENSG0000 chr19	17904137	17906136	B3GNT3		10331	0.20949872	0.255952421	-0.046453701	-0.424352732
ENSG0000 chr19	39335640	39337639	NA	NA		0.490104124	0.389304874	0.10079925	0.32473782
ENSG0000 chr19	3671080	3673079	NA	NA		0.118484303	0.168012186	0.049527883	0.692817821
ENSG0000 chr17	73840299	73842298	UNC13D		201294	0.181825542	0.228246219	-0.046420677	-0.413004286
ENSG0000 chr11	1.12E+08	1.12E+08	RN7SKP27	NA		0.69233875	0.556011589	0.136327161	0.322358813
ENSG0000 chr1	16482083	16484082	EPHA2		1969	0.219851582	0.277067259	-0.057215677	-0.528423602
ENSG0000 chr17	17941106	17943105	GID4		79018	0.124376803	0.170780053	-0.04640325	-0.439191214
ENSG0000 chr1	2.07E+08	2.07E+08	FAIM3		9214	0.264338949	0.310693147	-0.046354198	-0.352859935
ENSG0000 chr17	72744552	72746551	MIR3615		100500847	0.063524405	0.109863379	-0.046338974	-0.690857182
ENSG0000 chr17	19549949	19551948	ALDH3A2		224	0.068230886	0.114541656	-0.046310769	-0.63263188
ENSG0000 chr4	39621132	39623131	RNU7-11P	NA		0.493182219	0.39266535	0.100516869	0.321499612
ENSG0000 chr17	43679207	43681206	NA	NA		0.487554829	0.434025433	0.053529395	0.321222587
ENSG0000 chr12	1.21E+08	1.21E+08	NA	NA		0.571115162	0.464694844	0.106420318	0.321150941
ENSG0000 chr18	23750814	23752813	DHFRP1	NA		0.469901569	0.374139229	0.09576234	0.321109229
ENSG0000 chr17	27886065	27888064	NA	NA		0.159911639	0.206085364	0.046173725	0.346816679
ENSG0000 chr6	27798806	27800805	HIST1H4K	8294;8359;8		0.142183304	0.188352893	-0.046169589	-0.542986407
ENSG0000 chr15	45783386	45785385	NA	NA		0.505595789	0.402755566	0.102840223	0.320952811
ENSG0000 chr15	40615917	40617916	LINC00984	NA		0.255404229	0.301534881	-0.046130652	-0.455071746
ENSG0000 chr18	57444304	57446303	GLUD1P4	NA		0.654710405	0.522206726	0.132503679	0.320739193
ENSG0000 chr4	77818503	77820502	SOWAHB		345079	0.126156613	0.17218346	-0.046026846	-0.562105112
ENSG0000 chr15	90775540	90777539	GDPGP1		390637	0.117763437	0.16376212	-0.045998683	-0.617309665
ENSG0000 chr4	1.4E+08	1.4E+08	NA	NA		0.063981279	0.109969542	0.045988264	0.722616779
ENSG0000 chr19	16250203	16252202	NA	NA		0.138114013	0.199164214	0.061050201	0.497927906
ENSG0000 chr16	86318533	86320532	NA		146513	0.142611297	0.188585428	0.045974131	0.341902714
ENSG0000 chr17	75081298	75083297	LINC00338	654434;6777		0.138121555	0.184092993	-0.045971437	-0.537133432
ENSG0000 chr17	75081298	75083297	SEC14L1		6397	0.138121555	0.184092993	-0.045971437	-0.537133432
ENSG0000 chr17	75081797	75083796	NA	NA		0.138121555	0.184092993	0.045971437	0.537133432
ENSG0000 chr19	53029405	53031404	ZNF808		388558	0.105764245	0.151718259	-0.045954014	-0.477603063
ENSG0000 chr4	1.39E+08	1.39E+08	NA	NA		0.558902592	0.445809605	0.113092987	0.320072123
ENSG0000 chr18	500223	502222	COLEC12		81035	0.112303891	0.159558957	-0.047255065	-0.531705743
ENSG0000 chr22	20305773	20307772	NA	NA		0.095477614	0.141391397	0.045913783	0.606997902
ENSG0000 chr17	48044834	48046833	DLX4		1748	0.084686315	0.130522578	-0.045836263	-0.601765466
ENSG0000 chr6	33048053	33050052	HLA-DPA1		3113	0.651377725	0.527772217	0.123605508	0.319326526

ENSG0000 chr13	50482367	50484366	RNY4P9	NA		0.263165407	0.217345587	0.04581982	0.366459366
ENSG0000 chr19	13946674	13948673	MIR24-2	284454;4070		0.223066006	0.27205434	-0.048988334	-0.401169215
ENSG0000 chr8	73857885	73859884	NA	NA		0.609864774	0.486792333	0.12307244	0.319310609
ENSG0000 chr18	29006452	29008451	NA	101927718		0.491569047	0.391990218	0.099578829	0.319287924
ENSG0000 chr14	50096109	50098108	NA	NA		0.608332379	0.485606597	0.122725782	0.319187164
ENSG0000 chr19	47615031	47617030	SAE1	10055		0.098595247	0.144329169	-0.045733922	-0.605455554
ENSG0000 chr6	1.23E+08	1.23E+08	RN7SL564F	NA		0.327393807	0.410917547	-0.08352374	-0.31910416
ENSG0000 chr3	23654751	23656750	RNU6-922F	NA		0.57265694	0.499873946	0.072782994	0.319024211
ENSG0000 chr12	1.02E+08	1.02E+08	NA	NA		0.580147498	0.463070146	0.117077352	0.319021458
ENSG0000 chr13	91433624	91435623	RNU6-75P	100873776		0.820976311	0.656143864	0.164832447	0.318973568
ENSG0000 chr19	54974395	54976394	LENG9	94059		0.065823788	0.111529935	-0.045706148	-0.642097595
ENSG0000 chr4	1.28E+08	1.28E+08	NA	NA		0.434577382	0.346405684	0.088171698	0.318914206
ENSG0000 chr19	50310690	50312689	NA	NA		0.083467766	0.129149243	0.045681477	0.538738101
ENSG0000 chr4	1.6E+08	1.6E+08	NA	NA		0.404768763	0.317766756	0.087002007	0.382723123
ENSG0000 chr1	75598244	75600243	NA	NA		0.134651089	0.186140921	0.051489832	0.435311503
ENSG0000 chr4	74920617	74922616	PPBPP2	10895		0.604472401	0.482764653	0.121707748	0.31844944
ENSG0000 chr5	1.5E+08	1.5E+08	ARSI	340075		0.313220799	0.392195302	-0.078974503	-0.31829766
ENSG0000 chr21	47062108	47064107	PCBP3	54039		0.088595932	0.134166424	-0.045570492	-0.570666285
ENSG0000 chr10	87810705	87812704	RNA5SP32:	NA		0.564110588	0.450453548	0.113657039	0.318273041
ENSG0000 chr9	79520504	79522503	PRUNE2	158471		0.15606123	0.201602651	-0.045541421	-0.484421889
ENSG0000 chr15	83407157	83409156	NA	283693		0.412881665	0.329215273	0.083666392	0.318052883
ENSG0000 chr17	18599811	18601810	TRIM16L	147166;1019		0.236430791	0.295208258	-0.058777467	-0.318049168
ENSG0000 chr1	2.02E+08	2.02E+08	IPO9-AS1	100873949		0.10002419	0.14555286	-0.04552867	-0.427930707
ENSG0000 chr11	9859190	9861189	NA	101928008		0.593501226	0.486096271	0.107404955	0.318027239
ENSG0000 chr12	174431	176430	IQSEC3	440073;1009		0.098525711	0.144044216	-0.045518505	-0.549482981
ENSG0000 chr9	96717155	96719154	BARX1	56033		0.169983294	0.21547832	-0.045495026	-0.346729475
ENSG0000 chr13	25819169	25821168	NA	NA		0.627462784	0.503065519	0.124397266	0.317856501
ENSG0000 chr20	24928366	24930365	CST7	8530		0.170044947	0.217632937	-0.04758799	-0.393290721
ENSG0000 chr22	21770193	21772192	HIC2	23119		0.276885636	0.328012649	-0.051127012	-0.317713793
ENSG0000 chr5	1.39E+08	1.39E+08	NA	NA		0.101863747	0.147315865	0.045452118	0.491921612
ENSG0000 chr10	1.15E+08	1.15E+08	TCF7L2	6934		0.150471518	0.198360476	-0.047888958	-0.39942054
ENSG0000 chr6	31552401	31554400	LST1	7940		0.157814318	0.203243938	-0.04542962	-0.350378676
ENSG0000 chr10	13570475	13572474	BEND7	222389		0.136621779	0.185483678	-0.048861899	-0.540420407
ENSG0000 chr15	91538360	91540359	PRC1	9055		0.604943217	0.483031368	0.121911849	0.317537

ENSG0000 chr1	2.28E+08	2.28E+08	IBA57	200205	0.160625723	0.207218391	-0.046592668	-0.41455388
ENSG0000 chr17	16183828	16185827	MIR1288	100302124	0.590580086	0.471993163	0.118586923	0.317343957
ENSG0000 chr12	27856001	27858000	NA	NA	0.341004065	0.27940274	0.061601326	0.317216317
ENSG0000 chr17	882511	884510	NXN	64359	0.110704929	0.156080935	-0.045376006	-0.501225562
ENSG0000 chr21	46351405	46353404	ITGB2	3689	0.088552134	0.133922385	-0.045370252	-0.454182126
ENSG0000 chr9	1.13E+08	1.13E+08	RNU6-103	NA	0.55203795	0.441139344	0.110898606	0.317094439
ENSG0000 chr1	63061658	63063657	ANGPTL3	27329	0.656088543	0.525794217	0.130294327	0.316963363
ENSG0000 chr7	98029881	98031880	BAIAP2L1	55971	0.164658657	0.210020016	-0.04536136	-0.510310259
ENSG0000 chr9	1.4E+08	1.4E+08	TRAF2	7186	0.403467101	0.456756379	-0.053289278	-0.316736163
ENSG0000 chr16	70062749	70064748	MIR1972-2	100302243;1	0.56321722	0.449938041	0.113279178	0.316686049
ENSG0000 chr19	9929130	9931129	NA	NA	0.123433047	0.168720793	0.045287746	0.474785534
ENSG0000 chr14	22688292	22690291	TRAV35	NA	0.264243331	0.334999735	-0.070756404	-0.331138717
ENSG0000 chr3	98108010	98110009	OR5K3	403277	0.543123148	0.455470828	0.08765232	0.316440298
ENSG0000 chr16	1821708	1823707	EME2	197342	0.093981762	0.139213772	-0.04523201	-0.439894554
ENSG0000 chr3	1.72E+08	1.72E+08	FNDC3B	64778;10192	0.146174222	0.191400121	-0.045225899	-0.411978548
ENSG0000 chr1	2.18E+08	2.18E+08	GPATCH2	55105	0.172604514	0.217820101	-0.045215586	-0.481212083
ENSG0000 chr19	58692896	58694895	ZNF274	10782	0.296560108	0.351631637	-0.055071529	-0.316208184
ENSG0000 chr1	2.49E+08	2.49E+08	NA	NA	0.531212627	0.424695569	0.106517058	0.31619011
ENSG0000 chr5	1.4E+08	1.4E+08	NA	NA	0.221996492	0.278842366	0.056845873	0.316179372
ENSG0000 chr13	1.13E+08	1.13E+08	ATP11A	23250	0.069199056	0.114402817	-0.04520376	-0.759654742
ENSG0000 chr1	2.26E+08	2.26E+08	NA	NA	0.521932399	0.417462474	0.104469925	0.316000135
ENSG0000 chr17	29640631	29642630	EVI2B	2124	0.09364082	0.138821469	-0.045180649	-0.521990327
ENSG0000 chr14	46035698	46037697	NA	NA	0.566486429	0.453099784	0.113386645	0.315963563
ENSG0000 chr7	77052606	77054605	NA	NA	0.651259697	0.521218258	0.130041438	0.315912239
ENSG0000 chr9	20416819	20418818	RNU4-26P	NA	0.615006861	0.492098584	0.122908277	0.315901371
ENSG0000 chr12	1.13E+08	1.13E+08	NA	NA	0.571839828	0.457456474	0.114383354	0.315790016
ENSG0000 chr2	19557915	19559914	OSR1	130497	0.112028685	0.157104805	-0.04507612	-0.635954858
ENSG0000 chr3	1.72E+08	1.72E+08	NA	NA	0.406445124	0.456311572	0.049866448	0.315728459
ENSG0000 chr2	70315479	70317478	PCBP1-AS1	400960	0.119708672	0.164765043	-0.045056371	-0.475109845
ENSG0000 chr2	70315353	70317352	NA	NA	0.119708672	0.164765043	0.045056371	0.475109845
ENSG0000 chr10	69607783	69609782	NA	NA	0.073993687	0.119028908	0.045035221	0.622247171
ENSG0000 chr19	38733175	38735174	SPINT2	10653	0.083240745	0.128252867	-0.045012122	-0.56827696
ENSG0000 chr8	10194688	10196687	NA	NA	0.521488994	0.417145667	0.104343327	0.31531167
ENSG0000 chr19	13946832	13948831	MIR27A	407018	0.223625564	0.272207325	-0.048581761	-0.408934262

ENSG0000 chr19	13946974	13948973	MIR23A		407010	0.223625564	0.272207325	-0.048581761	-0.408934262
ENSG0000 chr4	81309371	81311370	NA	NA		0.664831981	0.53241671	0.132415271	0.315126723
ENSG0000 chr18	47085569	47087568	LIPG		9388	0.158478593	0.203424942	-0.04494635	-0.463941186
ENSG0000 chr20	1165560	1167559	TMEM74B		55321	0.279249074	0.32418666	-0.044937586	-0.400436568
ENSG0000 chr6	83781192	83783191	NA	NA		0.561509721	0.446796326	0.114713396	0.315042469
ENSG0000 chr7	1.36E+08	1.36E+08	NA	NA		0.558546823	0.447764635	0.110782188	0.314716103
ENSG0000 chr17	8867713	8869712	NA		101928235	0.067601777	0.112475177	0.0448734	0.639397355
ENSG0000 chr9	1.31E+08	1.31E+08	CDK9		1025	0.167706472	0.212549628	-0.044843155	-0.443320129
ENSG0000 chr9	1.31E+08	1.31E+08	MIR3960		100616250	0.167706472	0.212549628	-0.044843155	-0.443320129
ENSG0000 chr8	49647371	49649370	EFCAB1		79645	0.113046849	0.157866579	-0.044819729	-0.338152998
ENSG0000 chr11	1.02E+08	1.02E+08	ANGPTL5		253935	0.64443456	0.516289948	0.128144612	0.314391098
ENSG0000 chr19	23456535	23458534	NA	NA		0.075616531	0.12596463	0.050348099	0.646439716
ENSG0000 chr19	23456554	23458553	NA	NA		0.075616531	0.12596463	0.050348099	0.646439716
ENSG0000 chr13	44453328	44455327	CCDC122		160857	0.129975179	0.174764944	-0.044789765	-0.476747145
ENSG0000 chr22	31699890	31701889	RNA5SP49	NA		0.438030364	0.377475252	0.060555112	0.314166854
ENSG0000 chr1	1.85E+08	1.85E+08	NA	NA		0.543584522	0.435337977	0.108246545	0.313902961
ENSG0000 chr13	50935400	50937399	RPL34P26	NA		0.52230694	0.439225578	0.083081362	0.313895058
ENSG0000 chr14	39578351	39580350	SEC23A		10484	0.595897112	0.477612281	0.118284831	0.313860165
ENSG0000 chr2	1.78E+08	1.78E+08	RNU6-187F	NA		0.580124533	0.464790827	0.115333706	0.313727372
ENSG0000 chr16	66906660	66908659	NAE1		8883	0.108815207	0.15348894	-0.044673732	-0.634321656
ENSG0000 chr1	78444295	78446294	FUBP1		8880	0.097775101	0.142423124	-0.044648023	-0.478480814
ENSG0000 chr11	77428957	77430956	RSF1-IT2	NA		0.507048133	0.413698622	0.093349511	0.313238272
ENSG0000 chr1	1.57E+08	1.57E+08	ARHGEF11		9826	0.103490488	0.148063123	-0.044572635	-0.508958685
ENSG0000 chr19	33314912	33316911	NA	NA		0.214720308	0.276174538	0.06145423	0.34532397
ENSG0000 chr19	14181848	14183847	NA		102466515	0.091940537	0.136502857	0.04456232	0.552686037
ENSG0000 chr19	45347932	45349931	PVRL2		5819	0.134954443	0.179478114	-0.044523671	-0.407335313
ENSG0000 chr4	1.5E+08	1.5E+08	NA	NA		0.531779122	0.426138798	0.105640324	0.312917464
ENSG0000 chr12	3408891	3410890	NA	NA		0.130975295	0.1754782	0.044502905	0.39137176
ENSG0000 chr17	32581807	32583806	NA	NA		0.20743724	0.261851325	0.054414085	0.328734941
ENSG0000 chr2	10220572	10222571	CYS1		192668	0.101320788	0.145801207	-0.044480419	-0.562006425
ENSG0000 chr5	37506460	37508459	NA	NA		0.350366461	0.280119583	0.070246878	0.312817066
ENSG0000 chr7	27189723	27191722	HOXA6		3203	0.090903793	0.135377938	-0.044474145	-0.533406299
ENSG0000 chr11	65656375	65658374	CCDC85B		11007	0.113187008	0.157642953	-0.044455945	-0.473140855
ENSG0000 chr2	1.49E+08	1.49E+08	MBD5		55777	0.084980581	0.129411505	-0.044430924	-0.576909938

ENSG0000 chr22	21871323	21873322	PI4KAP2	NA		0.191982468	0.24995291	-0.057970442	-0.312621925
ENSG0000 chr18	20715977	20717976	NA	NA		0.122980365	0.167390565	0.0444102	0.498005811
ENSG0000 chr2	64245707	64247706	VPS54		51542	0.160777018	0.205177762	-0.044400745	-0.377971951
ENSG0000 chr20	62610862	62612861	SAMD10		140700	0.152244053	0.196590456	-0.044346403	-0.569616973
ENSG0000 chr20	62610988	62612987	PRPF6		24148	0.152244053	0.196590456	-0.044346403	-0.569616973
ENSG0000 chr22	36042942	36044941	APOL6		80830	0.329874822	0.374666953	-0.044792132	-0.323654469
ENSG0000 chr3	1.55E+08	1.55E+08	NA	NA		0.511118903	0.425619874	0.085499029	0.312239794
ENSG0000 chr12	1.29E+08	1.29E+08	SLC15A4		121260	0.142167931	0.18649774	-0.04432981	-0.586883614
ENSG0000 chr15	34605429	34607428	NA	NA		0.511466491	0.426700964	0.084765527	0.312200903
ENSG0000 chr15	40648936	40650935	DISP2		85455	0.121033657	0.165332977	-0.04429932	-0.622939973
ENSG0000 chr7	80962922	80964921	NA	NA		0.611102643	0.490324934	0.120777709	0.311966355
ENSG0000 chr12	52399224	52401223	GRASP		160622	0.098067842	0.142345516	-0.044277674	-0.536751747
ENSG0000 chr17	20883302	20885301	NA	NA		0.415261828	0.332580562	0.082681266	0.311908065
ENSG0000 chr10	1.19E+08	1.19E+08	NA	NA		0.11977375	0.164013058	0.044239308	0.45127227
ENSG0000 chr15	91471910	91473909	UNC45A		55898	0.113091522	0.157316821	-0.044225299	-0.447873669
ENSG0000 chr22	25976850	25978849	NA	NA		0.467869022	0.375097021	0.092772001	0.311393286
ENSG0000 chr10	74150222	74152221	RNU6-805F	NA		0.578175034	0.469060901	0.109114133	0.311350999
ENSG0000 chr21	35795765	35797764	NA		3753	0.492561853	0.409026187	0.083535666	0.311323275
ENSG0000 chr21	35796306	35798305	NA	NA		0.492561853	0.409026187	0.083535666	0.311323275
ENSG0000 chr3	1.38E+08	1.38E+08	NA	NA		0.45272275	0.362947681	0.089775069	0.311174776
ENSG0000 chr10	76309650	76311649	NA	NA		0.710862846	0.572822674	0.138040173	0.311126297
ENSG0000 chr9	1.2E+08	1.2E+08	TLR4		7099	0.105402896	0.149523756	-0.04412086	-0.492267719
ENSG0000 chr16	30708030	30710029	SRCAP		10847	0.103356519	0.147439231	-0.044082712	-0.454861333
ENSG0000 chr10	97759501	97761500	NA	NA		0.621246982	0.498910344	0.122336639	0.310793071
ENSG0000 chr16	34426206	34428205	NA	NA		0.302844772	0.378025045	0.075180272	0.310702776
ENSG0000 chr1	1.5E+08	1.5E+08	NA	NA		0.160141428	0.204171291	0.044029863	0.322260829
ENSG0000 chr9	1.31E+08	1.31E+08	MIR199B		406978	0.225780029	0.283200503	-0.057420474	-0.310425518
ENSG0000 chr9	1.31E+08	1.31E+08	MIR3154		100422893	0.225780029	0.283200503	-0.057420474	-0.310425518
ENSG0000 chr5	1.32E+08	1.32E+08	P4HA2		8974;101927	0.150707034	0.194702654	-0.043995619	-0.391170005
ENSG0000 chr9	70972269	70974268	PGM5-AS1		572558	0.213056091	0.169062929	0.043993162	0.435356887
ENSG0000 chr8	86434628	86436627	NA	NA		0.652650803	0.55060042	0.102050384	0.310039056
ENSG0000 chr1	1.74E+08	1.74E+08	NA	NA		0.574716481	0.46194193	0.112774551	0.309900582
ENSG0000 chr1	1E+08	1E+08	RNU4-75P	NA		0.527231072	0.427875446	0.099355626	0.309843765
ENSG0000 chr22	19109468	19111467	DGCR2		9993	0.155550225	0.19946854	-0.043918315	-0.432479538

ENSG0000 chr2	1.62E+08	1.62E+08	NA	NA	0.081326986	0.125242162	0.043915176	0.580590431
ENSG0000 chr1	2.03E+08	2.03E+08	NA	NA	0.096143904	0.140053387	0.043909484	0.499454375
ENSG0000 chr16	87902595	87904594	SLC7A5	8140	0.264140284	0.30802177	-0.043881485	-0.382878093
ENSG0000 chr12	12916083	12918082	MIR613	693198	0.555394117	0.457658365	0.097735752	0.309642855
ENSG0000 chr6	28104572	28106571	ZSCAN16-A	100129195	0.108322155	0.152187362	-0.043865207	-0.374322386
ENSG0000 chr9	98053120	98055119	NA	NA	0.582055239	0.483701132	0.098354107	0.309537923
ENSG0000 chr2	71126220	71128219	VAX2	25806	0.095646259	0.139487513	-0.043841254	-0.493583109
ENSG0000 chr15	90776780	90778779	CIB1	10519	0.082814665	0.126655463	-0.043840798	-0.613168676
ENSG0000 chr11	72352781	72354780	NA	NA	0.094106081	0.137927464	0.043821383	0.464092532
ENSG0000 chr5	1.52E+08	1.52E+08	NMUR2	56923	0.52440862	0.43707644	0.08733218	0.309346491
ENSG0000 chr2	42720209	42722208	MTA3	57504	0.136800083	0.180586303	-0.043786219	-0.422575033
ENSG0000 chr17	76125351	76127350	TMC8	147138	0.085052553	0.128827939	-0.043775386	-0.573334858
ENSG0000 chr10	1.21E+08	1.21E+08	GRK5-IT1	101927868	0.055077761	0.09881499	-0.043737229	-0.713977703
ENSG0000 chr2	1.77E+08	1.77E+08	NA	NA	0.603914058	0.486555907	0.117358151	0.309095247
ENSG0000 chr12	71832050	71834049	LGR5	8549	0.058359656	0.10208149	-0.043721834	-0.684998528
ENSG0000 chr18	73969621	73971620	NA	NA	0.652433921	0.531404788	0.121029133	0.308994027
ENSG0000 chr5	1.22E+08	1.22E+08	NA	NA	0.620147901	0.498698434	0.121449466	0.308879826
ENSG0000 chr17	71159616	71161615	NA	NA	0.098123555	0.141788161	0.043664606	0.514216366
ENSG0000 chr17	71159651	71161650	SSTR2	6752	0.098123555	0.141788161	-0.043664606	-0.514216366
ENSG0000 chr2	1.79E+08	1.79E+08	TTN-AS1	100506866	0.478888477	0.379310841	0.099577635	0.328582881
ENSG0000 chr19	44554020	44556019	ZNF223	7766	0.113269161	0.156933742	-0.043664581	-0.471676627
ENSG0000 chr17	8868530	8870529	PIK3R5	23533	0.146281797	0.189940388	-0.043658591	-0.532024605
ENSG0000 chr6	1.59E+08	1.59E+08	SRP72P2	NA	0.428604404	0.533239676	-0.104635272	-0.308668553
ENSG0000 chr2	2.34E+08	2.34E+08	NA	NA	0.484154533	0.391216224	0.092938308	0.30855217
ENSG0000 chr6	74019589	74021588	KHDC1	80759	0.099517778	0.143156534	-0.043638756	-0.649816359
ENSG0000 chr7	17338482	17340481	NA	101927609	0.089265226	0.132876217	0.043610991	0.443879117
ENSG0000 chr15	51532887	51534886	MIR4713	100616369	0.566759176	0.455728269	0.111030908	0.3084806
ENSG0000 chr12	29540727	29542726	OVCH1-AS1	NA	0.518910851	0.417096831	0.10181402	0.30846138
ENSG0000 chr14	25736043	25738042	HMG2P6	NA	0.782891527	0.630292625	0.152598902	0.308392115
ENSG0000 chr7	1.43E+08	1.43E+08	RN7SL535f	NA	0.14307134	0.186647818	-0.043576479	-0.464987979
ENSG0000 chr16	71915677	71917676	NA	NA	0.071885682	0.115455389	0.043569707	0.570378012
ENSG0000 chr20	55841186	55843185	BMP7	655	0.105771901	0.149318462	-0.043546562	-0.480736801
ENSG0000 chr10	1.03E+08	1.03E+08	PDZD7	79955	0.061637497	0.105183229	-0.043545731	-0.605562579
ENSG0000 chr11	26209170	26211169	NA	NA	0.56368324	0.453333085	0.110350156	0.308204669

ENSG0000 chr11	26209329	26211328	ANO3	63982	0.56368324	0.453333085	0.110350156	0.308204669
ENSG0000 chr15	32162493	32164492	OTUD7A	161725	0.081649484	0.13304932	-0.051399836	-0.658173861
ENSG0000 chr9	5089593	5091592	MTND6P5	NA	0.609013101	0.489985313	0.119027788	0.308084226
ENSG0000 chr15	20177972	20179971	IGHV1OR1	NA	0.370690667	0.461312886	-0.090622219	-0.308065925
ENSG0000 chr19	38268826	38270825	NA	NA	0.073931665	0.117447139	0.043515474	0.60669978
ENSG0000 chr19	12267047	12269046	ZNF625-ZN	NA	0.124422724	0.167931641	-0.043508917	-0.603057688
ENSG0000 chr19	12267047	12269046	ZNF625	90589	0.124422724	0.167931641	-0.043508917	-0.603057688
ENSG0000 chr2	1.62E+08	1.62E+08	NA	NA	0.620585437	0.499404172	0.121181265	0.307881077
ENSG0000 chr20	34546895	34548894	SCAND1	51282	0.629023985	0.526793993	0.102229992	0.307720245
ENSG0000 chr9	94788280	94790279	HSPE1P22	NA	0.614625685	0.494666468	0.119959217	0.307661664
ENSG0000 chr10	1.25E+08	1.25E+08	IKZF5	64376	0.06749844	0.110959244	-0.043460804	-0.569715085
ENSG0000 chr17	46114114	46116113	MIR152	406943	0.290870252	0.334311958	-0.043441706	-0.375380095
ENSG0000 chr10	4933668	4935667	AKR1C6P	389932	0.6055959	0.491887419	0.113708481	0.307352232
ENSG0000 chr10	4933296	4935295	AKR1C1	1645	0.6055959	0.491887419	0.113708481	0.307352232
ENSG0000 chr2	2.2E+08	2.2E+08	ZFAND2B	130617	0.555918696	0.447334188	0.108584509	0.30734603
ENSG0000 chr5	1.54E+08	1.54E+08	CIR1P1	NA	0.626857508	0.504662819	0.122194689	0.307343056
ENSG0000 chr1	1.61E+08	1.61E+08	NA	NA	0.373585569	0.299989605	0.073595964	0.307328608
ENSG0000 chr9	1.35E+08	1.35E+08	RAPGEF1	2889	0.259448248	0.302837727	-0.04338948	-0.618583811
ENSG0000 chr1	1.5E+08	1.5E+08	HIST2H2AA	8337;723790	0.133988837	0.177355796	-0.043366959	-0.346228441
ENSG0000 chr2	85196716	85198715	KCMF1	56888	0.066300599	0.109662883	-0.043362283	-0.561265462
ENSG0000 chr3	1.38E+08	1.38E+08	ESYT3	83850	0.134811466	0.178158592	-0.043347126	-0.452157464
ENSG0000 chr7	93112832	93114831	MIR489	574442	0.561035728	0.449232673	0.111803056	0.306933613
ENSG0000 chr13	23491230	23493229	NA	NA	0.627982097	0.513199137	0.11478296	0.306927586
ENSG0000 chr19	53465665	53467664	ZNF816	125893;1005	0.099969945	0.143252297	-0.043282351	-0.524054023
ENSG0000 chr19	53465577	53467576	ZNF321P	100529240	0.099969945	0.143252297	-0.043282351	-0.524054023
ENSG0000 chr16	11729738	11731737	LITAF	9516	0.371849767	0.437146151	-0.065296384	-0.306749561
ENSG0000 chr12	69364851	69366850	CPM	1368	0.662067983	0.533346358	0.128721624	0.306735033
ENSG0000 chr9	68725129	68727128	NA	NA	0.145597131	0.191795291	0.04619816	0.37507705
ENSG0000 chr17	78008935	78010934	CCDC40	55036	0.07490593	0.118119747	-0.043213818	-0.444049953
ENSG0000 chr3	31308999	31310998	NA	NA	0.289888095	0.360853041	0.070964945	0.306423346
ENSG0000 chr17	48014986	48016985	NA	NA	0.372157133	0.462559885	0.090402752	0.306331207
ENSG0000 chr8	63159650	63161649	NKAIN3	286183	0.120063907	0.16326691	-0.043203003	-0.506363902
ENSG0000 chr2	39220499	39222498	SOS1-IT1	NA	0.352219996	0.276201274	0.076018722	0.336324015
ENSG0000 chr2	79863590	79865589	RNU6-561F	NA	0.507928752	0.408884735	0.099044017	0.306200339

ENSG0000 chr8	53949810	53951809	NA	NA		0.680688708	0.548690513	0.131998195	0.305986315
ENSG0000 chr4	1.55E+08	1.55E+08	RNU6-128E	NA		0.68349733	0.575674645	0.107822684	0.305942917
ENSG0000 chr2	55241158	55243157	RNU6-433F	NA		0.71044556	0.572785719	0.137659842	0.305923895
ENSG0000 chr15	84748350	84750349	NA	NA		0.10637625	0.149514853	0.043138603	0.518189639
ENSG0000 chr11	85803734	85805733	NA	NA		0.323396233	0.239247426	0.084148807	0.419709138
ENSG0000 chr19	42573151	42575150	GRIK5		2901	0.31464562	0.357770405	-0.043124785	-0.369480616
ENSG0000 chr17	47491747	47493746	PHB		5245	0.089881397	0.132992962	-0.043111565	-0.478536322
ENSG0000 chr3	1.5E+08	1.5E+08	NA	NA		0.567110063	0.448438502	0.118671562	0.332118275
ENSG0000 chr1	1.72E+08	1.72E+08	NA	NA		0.569492325	0.458861868	0.110630458	0.305626604
ENSG0000 chr2	2.2E+08	2.2E+08	MIR3131		100422957	0.124251921	0.167332303	-0.043080382	-0.442820693
ENSG0000 chr1	25348494	25350493	MIR4425		100616365	0.117193383	0.160266302	-0.043072918	-0.350989684
ENSG0000 chr17	37381626	37383625	STAC2		342667	0.125852547	0.168919975	-0.043067428	-0.523177622
ENSG0000 chr4	1857475	1859474	LETM1		3954	0.125265182	0.168302081	-0.043036898	-0.48977528
ENSG0000 chr15	65902204	65904203	SLC24A1		9187	0.074012522	0.11702884	-0.043016318	-0.588617764
ENSG0000 chr1	8085298	8087297	NA	NA		0.109133127	0.152141209	0.043008082	0.401134302
ENSG0000 chr2	86589759	86591758	NA	NA		0.608506532	0.490592263	0.117914269	0.305152839
ENSG0000 chr17	58216943	58218942	NA	NA		0.144858377	0.187852675	0.042994299	0.447916087
ENSG0000 chr8	91870969	91872968	NA	NA		0.553410887	0.460807096	0.092603791	0.30506906
ENSG0000 chr19	12895416	12897415	NA	NA		0.286830334	0.335356121	0.048525787	0.353345433
ENSG0000 chr10	35368109	35370108	MIR3611		100500890	0.528665331	0.426064065	0.102601266	0.30484911
ENSG0000 chr2	2.29E+08	2.29E+08	NA	NA		0.570705572	0.460118396	0.110587177	0.304782743
ENSG0000 chr19	1939688	1941687	CSNK1G2		1455	0.078310501	0.121222071	-0.04291157	-0.564865139
ENSG0000 chr6	1.6E+08	1.6E+08	HNRNPH1F	NA		0.302077767	0.375433747	-0.07335598	-0.304577313
ENSG0000 chr19	661982	663981	NA	NA		0.127644162	0.170537669	0.042893507	0.563806886
ENSG0000 chr14	64318183	64320182	SYNE2		23224	0.125348034	0.168225371	-0.042877338	-0.441398432
ENSG0000 chr1	24881102	24883101	NCMAP		400746	0.094942036	0.137804883	-0.042862847	-0.500135854
ENSG0000 chr4	1.56E+08	1.56E+08	NA	NA		0.543080349	0.443766782	0.099313567	0.303988377
ENSG0000 chr12	48590670	48592669	NA	NA		0.085776616	0.128605349	0.042828733	0.562009072
ENSG0000 chr1	1.54E+08	1.54E+08	IL6R		3570	0.105991216	0.148805515	-0.042814299	-0.439166727
ENSG0000 chr11	4158988	4160987	RRM1-AS1	NA		0.544695288	0.462500221	0.082195068	0.303891447
ENSG0000 chr17	17942024	17944023	ATPAF2		91647	0.126872484	0.169681617	-0.042809134	-0.400795861
ENSG0000 chr5	1.71E+08	1.71E+08	NA	NA		0.152256582	0.220757677	0.068501095	0.508101642
ENSG0000 chr17	54990900	54992899	TRIM25		7706	0.048175215	0.090980192	-0.042804977	-0.78722015
ENSG0000 chr15	82337983	82339982	MEX3B		84206	0.112111139	0.154900248	-0.042788859	-0.583760561

ENSG0000 chr10	88390886	88392885	RPL7AP8	NA		0.144991934	0.187743227	-0.042751293	-0.347501989
ENSG0000 chr6	1.26E+08	1.26E+08	NA	NA		0.588341626	0.474775204	0.113566422	0.303653526
ENSG0000 chr5	81841630	81843629	NA	NA		0.593991139	0.479354364	0.114636775	0.303647819
ENSG0000 chr5	1.21E+08	1.21E+08	NA		102467226	0.555632397	0.448313693	0.107318704	0.303529365
ENSG0000 chr7	1.16E+08	1.16E+08	NA	NA		0.550050956	0.436033942	0.114017014	0.328404595
ENSG0000 chr5	61737503	61739502	RNU6-661F	NA		0.648492255	0.520671751	0.127820505	0.303381075
ENSG0000 chr1	2.47E+08	2.47E+08	NA	NA		0.565310119	0.456207595	0.109102524	0.303367338
ENSG0000 chr16	16188567	16190566	RPL17P40	NA		0.314559691	0.390415785	-0.075856095	-0.303015017
ENSG0000 chr10	74336054	74338053	NA	NA		0.530004788	0.428183519	0.101821269	0.303002141
ENSG0000 chr7	64466563	64468562	ZNF117		51351	0.099935424	0.14255914	-0.042623716	-0.44851695
ENSG0000 chr7	64466622	64468621	ERV3-1		2086	0.099935424	0.14255914	-0.042623716	-0.44851695
ENSG0000 chr21	35746279	35748278	SMIM11		54065	0.161079575	0.203699959	-0.042620384	-0.471902576
ENSG0000 chr21	14992398	14994397	RNU6-286F	NA		0.556077548	0.448890532	0.107187015	0.302849661
ENSG0000 chr9	1.32E+08	1.32E+08	NA	NA		0.232806933	0.275400528	0.042593595	0.478687505
ENSG0000 chr15	59052381	59054380	NA	NA		0.337480076	0.418572005	0.081091929	0.302607357
ENSG0000 chr12	8607022	8609021	CLEC6A		93978	0.531196207	0.42880106	0.102395147	0.302584716
ENSG0000 chr19	36036432	36038431	NA		100506469	0.318799001	0.361344606	0.042545605	0.526935082
ENSG0000 chr11	56058067	56060066	OR8H1		219469	0.430097678	0.34683584	0.083261838	0.302563236
ENSG0000 chr3	1.25E+08	1.25E+08	NA	NA		0.632211669	0.512690183	0.119521486	0.302505613
ENSG0000 chr7	1.01E+08	1.01E+08	NA		101927746	0.098260498	0.140799853	0.042539355	0.496772212
ENSG0000 chr17	78009148	78011147	TBC1D16		125058	0.076443151	0.118980003	-0.042536851	-0.441380916
ENSG0000 chr22	39127414	39129413	NA	NA		0.264145137	0.327543786	0.063398649	0.302412968
ENSG0000 chr16	84852090	84854089	CRISPLD2		83716	0.302733892	0.345238185	-0.042504293	-0.361762734
ENSG0000 chr19	47219885	47221884	PRKD2		25865	0.110663135	0.153166858	-0.042503723	-0.507669921
ENSG0000 chr18	55288946	55290945	NARS		4677	0.132340063	0.174841784	-0.042501721	-0.428562783
ENSG0000 chr14	62452303	62454302	SYT16		83851	0.536570203	0.433260623	0.10330958	0.302251606
ENSG0000 chr5	1.79E+08	1.79E+08	NA	NA		0.53031738	0.428208307	0.102109072	0.302190253
ENSG0000 chr17	76355034	76357033	NA		101928674	0.078744207	0.121203335	0.042459128	0.606042602
ENSG0000 chr16	30192648	30194647	CORO1A		11151	0.254697036	0.297153052	-0.042456017	-0.554083517
ENSG0000 chr17	42298495	42300494	UBTF		7343	0.119413773	0.16186958	-0.042455807	-0.485441009
ENSG0000 chr1	93912188	93914187	FNBP1L		54874	0.075894817	0.118349973	-0.042455156	-0.634768352
ENSG0000 chr21	45626783	45628782	NA	NA		0.226516753	0.268960794	0.042444041	0.355303194
ENSG0000 chr7	20334831	20336830	NA		101927769	0.546470351	0.45503024	0.091440111	0.302016774
ENSG0000 chr19	40497447	40499446	NA	NA		0.354475483	0.285642864	0.068832619	0.301966318

ENSG0000 chr2	1.31E+08	1.31E+08	NA	NA	0.536655203	0.478626579	0.058028624	0.301842455
ENSG0000 chr11	7533029	7535028	PPFIBP2	8495	0.142436388	0.184847397	-0.042411009	-0.459051432
ENSG0000 chr20	43374163	43376162	NA	NA	0.120336658	0.162745487	0.042408829	0.465868809
ENSG0000 chr1	2.42E+08	2.42E+08	FH	2271	0.10047393	0.142878235	-0.042404305	-0.453037551
ENSG0000 chr7	81917893	81919892	NA	NA	0.596956379	0.482413373	0.114543006	0.301827076
ENSG0000 chr15	49429561	49431560	NA	NA	0.680817116	0.565257122	0.115559994	0.301746603
ENSG0000 chr17	46619413	46621412	HOXB-AS1	100874362	0.129847592	0.172212215	-0.042364622	-0.46723897
ENSG0000 chr19	40080121	40082120	RPS29P25	NA	0.31917399	0.395724703	-0.076550714	-0.301650803
ENSG0000 chr3	9811177	9813176	CAMK1	8536	0.21834298	0.260673011	-0.042330031	-0.338709006
ENSG0000 chr5	1.5E+08	1.5E+08	TNIP1	10318	0.287114882	0.334659017	-0.047544134	-0.301487719
ENSG0000 chr16	14012514	14014513	ERCC4	2072	0.089556599	0.131859123	-0.042302524	-0.543710657
ENSG0000 chr21	45579460	45581459	NA	101928576	0.284842958	0.32712682	0.042283862	0.329800261
ENSG0000 chr8	56013449	56015448	XKR4	114786	0.126054657	0.16833377	-0.042279112	-0.484820664
ENSG0000 chr16	72086991	72088990	HP	3240	0.293466045	0.361493846	-0.068027801	-0.301267181
ENSG0000 chr16	72087022	72089021	HPR	3250	0.293466045	0.361493846	-0.068027801	-0.301267181
ENSG0000 chr2	96810680	96812679	DUSP2	1844	0.131944298	0.174207921	-0.042263623	-0.474595552
ENSG0000 chr7	1.02E+08	1.02E+08	RASA4B	100271927	0.024537512	0.071674113	-0.0471366	-1.241714704
ENSG0000 chr17	68048070	68050069	KCNJ16	3773	0.460503573	0.371880404	0.088623169	0.301084788
ENSG0000 chr5	75379512	75381511	NA	NA	0.090036367	0.132267451	0.042231084	0.513962321
ENSG0000 chr9	3180089	3182088	NA	101929247	0.261201895	0.303388014	0.042186119	0.412408987
ENSG0000 chr10	45494423	45496422	ZNF22	7570	0.259622156	0.301804853	-0.042182696	-0.408226922
ENSG0000 chr17	78428030	78430029	NA	NA	0.095761733	0.138104266	0.042342534	0.476683276
ENSG0000 chr4	1.26E+08	1.26E+08	ANKRD50	57182	0.096698446	0.138874511	-0.042176066	-0.45728986
ENSG0000 chr19	49522242	49524241	NA	101059948	0.166749518	0.218556679	0.051807161	0.356956772
ENSG0000 chr7	1.01E+08	1.01E+08	NAT16	375607	0.195747407	0.237901271	-0.042153865	-0.34783068
ENSG0000 chr5	1.79E+08	1.79E+08	LTC4S	4056	0.200169389	0.243651631	-0.043482242	-0.373407406
ENSG0000 chr2	1.03E+08	1.03E+08	SLC9A2	6549	0.05996603	0.102116133	-0.042150103	-0.58680419
ENSG0000 chr1	1.08E+08	1.08E+08	NTNG1	22854	0.221944591	0.26408868	-0.042144089	-0.409654657
ENSG0000 chr8	60030099	60032098	NA	100505501	0.085240093	0.127379402	0.042139309	0.604833738
ENSG0000 chr7	10740803	10742802	NA	NA	0.533372885	0.44554394	0.087828945	0.300538546
ENSG0000 chr11	56803412	56805411	OR5AK4P	NA	0.562770795	0.455082453	0.107688342	0.300471423
ENSG0000 chr7	77165092	77167091	PTPN12	5782	0.137139891	0.186825285	-0.049685394	-0.463391084
ENSG0000 chr3	1.46E+08	1.46E+08	NA	NA	0.546809813	0.442158946	0.104650867	0.300354629
ENSG0000 chr1	67630583	67632582	IL23R	149233	0.564073613	0.458920424	0.105153189	0.300302192

ENSG0000 chr10	1.15E+08	1.15E+08	NA	NA	0.150656892	0.192756483	0.042099591	0.465992922
ENSG0000 chr3	1.53E+08	1.53E+08	P2RY1	5028	0.091556613	0.133642972	-0.042086359	-0.585564704
ENSG0000 chr18	61311033	61313032	SERPINB4	6318	0.440530848	0.355140465	0.085390383	0.300141479
ENSG0000 chr19	15442857	15444856	BRD4	23476	0.10367595	0.155945846	-0.052269896	-0.623259168
ENSG0000 chr5	1.15E+08	1.15E+08	NA	NA	0.608896961	0.495966308	0.112930653	0.300139409
ENSG0000 chr17	28443691	28445690	MIR3184	494335;1004	0.098874752	0.140946963	-0.042072211	-0.559949215
ENSG0000 chr19	460497	462496	SHC2	25759	0.1118351	0.153905409	-0.042070309	-0.428043024
ENSG0000 chr2	2.31E+08	2.31E+08	NA	NA	0.204832432	0.246887118	0.042054686	0.359206297
ENSG0000 chr15	76633905	76635904	NA	NA	0.081834625	0.123887674	0.042053049	0.53932476
ENSG0000 chr17	4635167	4637166	NA	NA	0.270151022	0.313498624	0.043347602	0.312423035
ENSG0000 chr9	1.16E+08	1.16E+08	C9orf43	257169	0.274812955	0.316846622	-0.042033667	-0.329249603
ENSG0000 chr2	21932996	21934995	NA	645949	0.609810925	0.493521395	0.11628953	0.299775104
ENSG0000 chr5	82359657	82361656	SCARNA18	677765	0.519281367	0.416276722	0.103004646	0.312244594
ENSG0000 chr9	1.36E+08	1.36E+08	CEL	1056	0.408232635	0.456787201	-0.048554565	-0.299640078
ENSG0000 chr22	29873665	29875664	RFPL1S	10740	0.232802316	0.276331715	-0.043529399	-0.29957556
ENSG0000 chr1	1.2E+08	1.2E+08	GAPDHP32	NA	0.498983476	0.403551071	0.095432405	0.299553315
ENSG0000 chr6	1.36E+08	1.36E+08	PDE7B	27115	0.311471394	0.35344731	-0.041975916	-0.387998863
ENSG0000 chr17	28444016	28446015	NA	NA	0.122634403	0.164602936	0.041968533	0.549120515
ENSG0000 chr15	53082774	53084773	ONECUT1	3175	0.091591129	0.133558141	-0.041967012	-0.471311061
ENSG0000 chr11	31456611	31458610	NA	NA	0.530434055	0.429151446	0.101282609	0.299400034
ENSG0000 chr7	1.09E+08	1.09E+08	C7orf66	154907	0.602904846	0.488591924	0.114312922	0.299393719
ENSG0000 chr3	1.8E+08	1.8E+08	PEX5L-AS1	NA	0.578585839	0.473534791	0.105051049	0.299371975
ENSG0000 chr18	46476582	46478581	SMAD7	4092	0.081956706	0.123890204	-0.041933498	-0.545354652
ENSG0000 chr19	57182652	57184651	ZNF835	90485	0.098660698	0.140581517	-0.041920819	-0.491861578
ENSG0000 chr19	57182136	57184135	NA	NA	0.098660698	0.140581517	0.041920819	0.491861578
ENSG0000 chr1	2.48E+08	2.48E+08	OR13G1	441933	0.527625942	0.42448516	0.103140783	0.29920711
ENSG0000 chr8	1.3E+08	1.3E+08	LINC00977	728724	0.563341159	0.460934838	0.102406321	0.299042809
ENSG0000 chr6	71666242	71668241	B3GAT2	135152	0.175249944	0.217124689	-0.041874744	-0.446703841
ENSG0000 chr8	1.31E+08	1.31E+08	ASAP1	50807	0.099142447	0.140996982	-0.041854536	-0.507912883
ENSG0000 chr17	26629595	26631594	NA	NA	0.531920838	0.430518239	0.101402599	0.29888037
ENSG0000 chr2	96781485	96783484	ADRA2B	151	0.125399649	0.167248457	-0.041848809	-0.419286092
ENSG0000 chr22	51106732	51108731	NA	NA	0.652759962	0.528777326	0.123982636	0.298797313
ENSG0000 chr1	85666230	85668229	SYDE2	84144	0.064476848	0.106315287	-0.041838439	-0.667739778
ENSG0000 chr7	191469	193468	FAM20C	56975	0.10404887	0.145883781	-0.041834911	-0.391377646

ENSG0000 chr22	29467566	29469565	KREMEN1		83999	0.100949929	0.142760566	-0.041810638	-0.426846214
ENSG0000 chr16	3069573	3071572	CLDN6		9074	0.180293315	0.222093594	-0.041800279	-0.315773273
ENSG0000 chr10	86086842	86088841	CCSER2		54462	0.151196054	0.192989714	-0.04179366	-0.477912214
ENSG0000 chr19	56907835	56909834	ZNF583		147949	0.619704238	0.502044109	0.117660129	0.298406285
ENSG0000 chr11	11643053	11645052	GALNT18		374378	0.113222151	0.154988756	-0.041766605	-0.528805627
ENSG0000 chr1	1258636	1260635	GLTPD1		80772	0.136612162	0.178374583	-0.04176242	-0.546433526
ENSG0000 chr7	1.42E+08	1.42E+08	PGBD4P1	NA		0.333582902	0.269393314	0.064189587	0.298360745
ENSG0000 chr12	77772100	77774099	NA	NA		0.667769188	0.541343466	0.126425722	0.29835757
ENSG0000 chr9	4297890	4299889	NA		101929330	0.060679026	0.102419841	0.041740815	0.680958285
ENSG0000 chr12	1.32E+08	1.32E+08	RNA5SP37	NA		0.570825114	0.517638132	0.053186982	0.298298587
ENSG0000 chr21	23117793	23119792	NA		101927821	0.610710856	0.494780988	0.115929869	0.298263807
ENSG0000 chr19	13213476	13215475	LYL1		4066	0.084480672	0.126204986	-0.041724314	-0.440950041
ENSG0000 chr6	1.17E+08	1.17E+08	NA	NA		0.244134942	0.302476969	0.058342027	0.298155112
ENSG0000 chr13	36050333	36052332	MAB21L1		4081	0.129577697	0.171268959	-0.041691262	-0.420416876
ENSG0000 chr5	89705104	89707103	CETN3		1070	0.085347587	0.127031393	-0.041683806	-0.573205713
ENSG0000 chr1	2.16E+08	2.16E+08	NA	NA		0.543559354	0.440247047	0.103312306	0.298021198
ENSG0000 chr16	88518225	88520224	ZFPM1		161882	0.080695162	0.122361775	-0.041666613	-0.444736427
ENSG0000 chr10	8938452	8940451	NA	NA		0.479070597	0.387805482	0.091265114	0.297979573
ENSG0000 chr4	1.39E+08	1.39E+08	NA	NA		0.567940104	0.459779823	0.108160282	0.297890439
ENSG0000 chr12	48274932	48276931	NA	NA		0.294101282	0.348766951	0.054665669	0.297887524
ENSG0000 chr4	1.06E+08	1.06E+08	NA	NA		0.161356032	0.20609877	0.044742738	0.35580408
ENSG0000 chr13	1.07E+08	1.07E+08	ATP5G1P5	NA		0.488628381	0.391124572	0.097503808	0.297841179
ENSG0000 chr2	24297896	24299895	FAM228B		375190	0.090131959	0.131777889	-0.04164593	-0.555375672
ENSG0000 chr6	48816060	48818059	NA	NA		0.374827149	0.303055643	0.071771505	0.297791474
ENSG0000 chr12	12993514	12995513	NA	NA		0.660435188	0.535406795	0.125028393	0.297765197
ENSG0000 chr13	28008253	28010252	NA	NA		0.569627672	0.461408248	0.108219425	0.297730827
ENSG0000 chr1	6672245	6674244	PHF13		148479	0.128095925	0.169718457	-0.041622532	-0.51975689
ENSG0000 chr2	1.16E+08	1.16E+08	DPP10-AS3		101927591	0.429819932	0.330009823	0.099810109	0.371336559
ENSG0000 chr2	2.09E+08	2.09E+08	NA	NA		0.568556187	0.460699002	0.107857185	0.29765228
ENSG0000 chr17	72303448	72305447	NA	NA		0.076692153	0.118309012	0.041616858	0.543126125
ENSG0000 chr5	7922905	7924904	NA	NA		0.572853548	0.467986119	0.104867429	0.297641346
ENSG0000 chr2	87087523	87089522	NA	NA		0.127280332	0.171537485	0.044257152	0.446952915
ENSG0000 chr18	58999315	59001314	CDH20		28316	0.075522593	0.117113494	-0.041590901	-0.564896443
ENSG0000 chr14	1.07E+08	1.07E+08	IGHV4-61	NA		0.324230451	0.400793798	-0.076563347	-0.297571221

ENSG0000 chr2	2.13E+08	2.13E+08	MIR548F2	100313771	0.515519091	0.417582909	0.097936182	0.297538989
ENSG0000 chr19	10628108	10630107	S1PR5	53637	0.099048166	0.140617219	-0.041569052	-0.421907871
ENSG0000 chr19	6771225	6773224	VAV1	7409	0.150451852	0.192013896	-0.041562044	-0.623708987
ENSG0000 chr2	2.34E+08	2.34E+08	KCNJ13	3769	0.60029024	0.488116055	0.112174186	0.297410952
ENSG0000 chr4	1.39E+08	1.39E+08	LINC00498	NA	0.5790067	0.469304928	0.109701772	0.297340272
ENSG0000 chr4	71262099	71264098	PROL1	58503	0.325885767	0.243975496	0.081910272	0.403281357
ENSG0000 chr22	30003389	30005388	RPEP4	NA	0.569829178	0.461900574	0.107928603	0.297145006
ENSG0000 chr8	1.18E+08	1.18E+08	EIF3H	8667	0.075894895	0.117413798	-0.041518903	-0.592009682
ENSG0000 chr1	8938809	8940808	ENO1	2023	0.136412545	0.177923253	-0.041510708	-0.496687457
ENSG0000 chr17	43248452	43250451	NA	NA	0.204853872	0.246359014	0.041505143	0.483962583
ENSG0000 chr12	10751935	10753934	KLRAP1	NA	0.645707426	0.547032784	0.098674642	0.296937414
ENSG0000 chr21	32930058	32932057	NA	150051	0.07571631	0.11719904	0.04148273	0.642060699
ENSG0000 chr17	33639021	33641020	NA	NA	0.078965458	0.122207882	0.043242424	0.582379429
ENSG0000 chr16	1967942	1969941	HS3ST6	64711	0.102019749	0.143440303	-0.041420554	-0.507769933
ENSG0000 chr14	1.07E+08	1.07E+08	IGHVII-60-1	NA	0.220508718	0.177679507	0.04282921	0.296550181

comb.p.val	comb.p.adj.fdr	combinedRank	num.sites	mean.num.na.PTB	mean.num.na.PTB-C	mean.mean.covg.PTB	mean.mean.covg.PTB-C
6.30E-07	0.026771691	12	1	0	0	14.23076923	13.42857143
0.001016979	0.316893344	52	1	0	0	13	11.52380952
0.000982306	0.316893344	58	1	0	0	13.92307692	12.33333333
0.000811075	0.316893344	74	1	0	0	14.69230769	14.28571429
0.001153052	0.316893344	86	1	0	0	12.53846154	15.0952381
0.002262734	0.316893344	139	1	0	0	11.84615385	13.57142857
0.002203457	0.316893344	157	1	0	0	14.76923077	12.76190476
0.004131341	0.316893344	196	1	0	0	13.23076923	11.76190476
0.002574377	0.316893344	199	1	0	0	10.84615385	10.61904762
1.39E-05	0.1261095	216	1	0	0	9.384615385	11.52380952
1.39E-05	0.1261095	216	1	0	0	9.384615385	11.52380952
1.39E-05	0.1261095	216	1	0	0	9.384615385	11.52380952
0.005193734	0.316893344	263	1	0	0	10.30769231	12.14285714
0.005266456	0.316893344	266	1	0	0	11.76923077	12.71428571
0.002156618	0.316893344	319	1	0	0	14.23076923	13.85714286
0.006424148	0.316893344	330	1	0	0	13.07692308	11.42857143
0.003185792	0.316893344	330	1	0	0	14.61538462	12.66666667
0.007186247	0.316893344	376	2	0	0	12.23076923	12.95238095
0.000997707	0.316893344	437	1	0	0	11.69230769	12.80952381
0.008311113	0.316893344	441	1	0	0	14	12.0952381
0.006977165	0.316893344	453	1	0	0	10	11.28571429
0.008860541	0.316893344	490	1	0	0	10.69230769	12.61904762
0.010542808	0.316893344	587	2	0	0	13.88461538	12.47619048
0.010265608	0.316893344	664	1	0	0	14.61538462	14.52380952
0.011885775	0.316893344	683	1	0	0	13.76923077	13.28571429
0.000922884	0.316893344	694	1	0	0	14	10.23809524
0.012916003	0.316893344	758	1	0	0	12.84615385	14.0952381
0.00492689	0.316893344	765	1	0	0	12.07692308	11.80952381
0.000339287	0.316893344	778	1	0	0	13.15384615	13.38095238
0.001078865	0.316893344	781	1	0	0	14.53846154	12.66666667
0.012583823	0.316893344	782	1	0	0	11.76923077	13.95238095
0.012312479	0.316893344	800	1	0	0	14.76923077	12.76190476
0.009551762	0.316893344	807	1	0	0	12.30769231	11.04761905

0.010163333	0.316893344	817	1	0	0	13	12.33333333
0.000325379	0.316893344	824	1	0	0	9.384615385	9.619047619
0.01388502	0.316893344	832	1	0	0	9.692307692	8.666666667
0.000848452	0.316893344	835	1	0	0	13.76923077	12.85714286
0.008221219	0.316893344	889	1	0	0	11.23076923	13.33333333
0.01150414	0.316893344	901	2	0	0	14.07692308	13.11904762
0.014917968	0.316893344	905	1	0	0	14.92307692	13.80952381
0.001909714	0.316893344	950	2	0	0	14.07692308	13.97619048
0.003067009	0.316893344	967	1	0	0	16	14.85714286
0.003109268	0.316893344	983	1	0	0	12.76923077	13.57142857
0.004429303	0.316893344	1008	1	0	0	9.153846154	7.619047619
0.012746052	0.316893344	1009	1	0	0	12	9.952380952
0.016419978	0.316893344	1013	1	0	0	13.15384615	13.28571429
0.016582866	0.316893344	1028	1	0	0	11.30769231	12.42857143
0.00520358	0.316893344	1037	2	0	0	12.96153846	11.76190476
0.013040434	0.316893344	1077	1	0	0	13.76923077	14.38095238
0.002136986	0.316893344	1112	3	0	0	13.66666667	13.41269841
0.017996769	0.316893344	1126	1	0	0	15.69230769	14.57142857
0.002374712	0.316893344	1144	2	0	0	12.53846154	13
0.018357575	0.316893344	1150	3	0	0	11.69230769	9.80952381
0.00709906	0.316893344	1155	1	0	0	12.23076923	11.52380952
0.002002421	0.316893344	1161	1	0	0	12.07692308	11.42857143
0.010921057	0.316893344	1208	2	0	0	14.30769231	12.42857143
0.007827181	0.316893344	1210	1	0	0	12.23076923	11.28571429
0.007899018	0.316893344	1265	1	0	0	14.53846154	12.71428571
0.020172307	0.316893344	1306	1	0	0	12	13
0.00248828	0.316893344	1339	2	0	0	13.26923077	12.71428571
0.006807175	0.316893344	1355	2	0	0	13.73076923	11.88095238
0.013443827	0.316893344	1413	2	0	0	9.653846154	10.23809524
0.001257574	0.316893344	1490	1	0	0	13.61538462	12.33333333
0.001889783	0.316893344	1491	1	0	0	11.46153846	11.71428571
0.019701614	0.316893344	1508	2	0	0	13.34615385	13.57142857
0.008408156	0.316893344	1538	1	0	0	16.15384615	13.42857143
0.022980102	0.316893344	1559	1	0	0	12.69230769	12.61904762

0.009150343	0.316893344	1589	1	0	0	11.76923077	11.71428571
0.00746151	0.316893344	1668	2	0	0	10.42307692	11.78571429
0.02420566	0.316893344	1670	2	0	0	12.07692308	11.97619048
0.001674093	0.316893344	1684	1	0	0	9.615384615	11.0952381
0.00815396	0.316893344	1699	1	0	0	13.69230769	12.80952381
0.00815396	0.316893344	1699	1	0	0	13.69230769	12.80952381
0.008865435	0.316893344	1720	2	0	0	10.46153846	10.47619048
0.020970052	0.316893344	1744	1	0	0	15.46153846	12.23809524
0.013824573	0.316893344	1776	2	0	0	13.30769231	11.73809524
0.023217587	0.316893344	1784	1	0	0	13.30769231	12.76190476
0.000555765	0.316893344	1814	2	0	0	10.5	11.07142857
0.002852495	0.316893344	1848	2	0	0	10.80769231	12.21428571
0.000213786	0.316893344	1859	1	0	0	12.15384615	10.33333333
0.007849588	0.316893344	1875	1	0	0	14.46153846	13.04761905
0.000451603	0.316893344	1911	1	0	0	11.61538462	10.61904762
0.019439044	0.316893344	1957	1	0	0	14.61538462	12.52380952
0.027732475	0.316893344	2038	1	0	0	10.23076923	10.47619048
0.005863	0.316893344	2064	1	0	0	15.23076923	13.0952381
0.000718921	0.316893344	2078	1	0	0	11	9.714285714
0.006329171	0.316893344	2098	1	0	0	14.15384615	13.28571429
0.002665234	0.316893344	2118	1	0	0	12.30769231	13.04761905
0.013696305	0.316893344	2121	1	0	0	14.15384615	14.19047619
0.00164993	0.316893344	2159	2	0	0	13.42307692	12.83333333
0.000891958	0.316893344	2161	1	0	0	14.23076923	14.95238095
0.025182272	0.316893344	2178	1	0	0	10.92307692	14.61904762
0.010466176	0.316893344	2185	1	0	0	14.53846154	14.14285714
0.02933681	0.316893344	2192	6	0	0	11.24358974	10.07142857
0.000515029	0.316893344	2218	2	0	0	12.34615385	13.80952381
0.029682526	0.316893344	2222	1	0	0	13.61538462	14.33333333
0.000591928	0.316893344	2225	2	0	0	12.57692308	11.38095238
0.030292963	0.316893344	2297	1	0	0	11.07692308	10.38095238
0.004269926	0.316893344	2324	2	0	0	13.38461538	12.71428571
0.024531002	0.316893344	2331	1	0	0	12.30769231	11.9047619
0.029618158	0.316893344	2339	2	0	0	12.53846154	11.14285714

0.006169214	0.316893344	2348	1	0	0	11.76923077	10.42857143
0.018326618	0.316893344	2377	1	0	0	13.30769231	12.23809524
0.004890463	0.316893344	2394	1	0	0	13	12.04761905
0.004191496	0.316893344	2396	1	0	0	16.07692308	13.61904762
0.001746255	0.316893344	2418	2	0	0	13.07692308	13.0952381
0.015022121	0.316893344	2430	1	0	0	11.84615385	10.33333333
0.005167067	0.316893344	2446	1	0	0	14.61538462	13.23809524
0.031849609	0.316893344	2458	1	0	0	12.84615385	11.9047619
0.016985573	0.316893344	2465	1	0	0	12.46153846	11.61904762
0.031953743	0.316893344	2472	1	0	0	15.07692308	14.38095238
0.003053704	0.316893344	2481	1	0	0	14.38461538	15.52380952
0.026498475	0.316893344	2547	1	0	0	11.61538462	12.23809524
0.01217383	0.316893344	2565	1	0	0	12.15384615	12.38095238
0.027084651	0.316893344	2568	3	0	0	13.25641026	11.82539683
0.000321339	0.316893344	2578	1	0	0	14.53846154	13.85714286
0.003896825	0.316893344	2580	2	0	0	13.42307692	11.92857143
0.012697059	0.316893344	2588	2	0	0	11.96153846	11.54761905
0.032803641	0.316893344	2603	1	0	0	12.69230769	12.04761905
0.000976226	0.316893344	2642	1	0	0	12.38461538	11.61904762
0.009493707	0.316893344	2647	1	0	0	12.69230769	13.85714286
0.00814884	0.316893344	2681	1	0	0	13.84615385	11.23809524
0.021351362	0.316893344	2720	1	0	0	14.30769231	13.42857143
0.000392352	0.316893344	2732	1	0	0	8.923076923	9.666666667
0.034406624	0.316893344	2754	1	0	0	12.84615385	11.95238095
0.010592808	0.316893344	2770	2	0	0	14.53846154	13.64285714
0.034663767	0.316893344	2786	1	0	0	12.69230769	11.85714286
0.034717671	0.316893344	2796	2	0	0	11.57692308	11.28571429
0.034717671	0.316893344	2796	2	0	0	11.57692308	11.28571429
0.029577904	0.316893344	2806	1	0	0	11.53846154	13.71428571
0.030601549	0.316893344	2853	2	0	0	14.46153846	12.61904762
0.014392441	0.316893344	2859	2	0	0	13.73076923	11.76190476
0.000632287	0.316893344	2860	1	0	0	13.69230769	12.80952381
0.001107788	0.316893344	2863	1	0	0	9.615384615	10.23809524
0.009890627	0.316893344	2865	1	0	0	13.69230769	12.76190476

0.001268822	0.316893344	2868	1	0	0	10.23076923	9.904761905
0.008804256	0.316893344	2884	1	0	0	14.46153846	15.71428571
0.007053201	0.316893344	2894	1	0	0	12.76923077	12.57142857
0.007759341	0.316893344	2901	1	0	0	14.07692308	12.33333333
0.001601129	0.316893344	2905	1	0	0	11.84615385	12.38095238
0.016230831	0.316893344	2939	2	0	0	14.11538462	12.92857143
0.01312164	0.316893344	2940	3	0	0	14.38461538	12.63492063
0.020346637	0.316893344	2974	2	0	0	14.30769231	13.80952381
0.001806892	0.316893344	2980	1	0	0	18.15384615	12.52380952
0.008427573	0.316893344	3029	1	0	0	15.15384615	12.04761905
0.017246796	0.316893344	3045	2	0	0	12.30769231	12.61904762
0.008123058	0.316893344	3052	1	0	0	12.38461538	12.42857143
0.009653649	0.316893344	3054	1	0	0	12.53846154	13.33333333
0.017636287	0.316893344	3080	8	0	0	12.54807692	12.31547619
0.006840473	0.316893344	3094	2	0	0	12.92307692	12.26190476
0.010776194	0.316893344	3124	1	0	0	13.23076923	11.57142857
0.007466921	0.316893344	3149	3	0	0	13.15384615	13.53968254
0.001997225	0.316893344	3169	1	0	0	14.23076923	13.04761905
0.001940148	0.316893344	3192	2	0	0	13.30769231	12.26190476
0.003463746	0.316893344	3210	1	0	0	8.307692308	10.95238095
0.008358492	0.316893344	3285	1	0	0	12.15384615	10.85714286
0.008097701	0.316893344	3342	1	0	0	12.61538462	12.42857143
0.024149125	0.316893344	3352	2	0	0	12.38461538	12.9047619
0.025772195	0.316893344	3363	1	0	0	9.692307692	9.619047619
0.027077164	0.316893344	3369	2	0	0	12.65384615	12.5
0.039415463	0.316893344	3373	3	0	0	10.53846154	11
0.002068824	0.316893344	3374	1	0	0	14.84615385	13
0.010442103	0.316893344	3400	1	0	0	15	13.71428571
0.039612157	0.316893344	3402	1	0	0	12.69230769	11.76190476
0.010771631	0.316893344	3461	1	0	0	13.46153846	12.52380952
0.032587336	0.316893344	3463	2	0	0	13.23076923	12.76190476
0.040440179	0.316893344	3500	5	0	0	10.81538462	10.64761905
0.01746455	0.316893344	3501	1	0	0	14.38461538	14.04761905
0.005156156	0.316893344	3514	2	0	0	11.92307692	13.52380952

0.008742632	0.316893344	3515	3	0	0	10.25641026	10.11111111
0.008742632	0.316893344	3515	3	0	0	10.25641026	10.11111111
0.002446216	0.316893344	3520	1	0	0	12.69230769	11.85714286
0.023011024	0.316893344	3555	1	0	0	10.15384615	12.33333333
0.011837882	0.316893344	3585	1	0	0	11.92307692	12.14285714
0.01300532	0.316893344	3585	2	0	0	11.84615385	12.47619048
0.041205414	0.316893344	3592	3	0	0	11.41025641	11.65079365
0.041332773	0.316893344	3609	1	0	0	14.15384615	12.19047619
0.009105843	0.316893344	3627	2	0	0	11.73076923	12.61904762
0.017478325	0.316893344	3654	1	0	0	14	13.04761905
0.015312351	0.316893344	3681	1	0	0	10.69230769	9.952380952
0.038618483	0.316893344	3682	2	0	0	12.07692308	12.30952381
0.000246289	0.316893344	3699	1	0	0	10.92307692	9.666666667
0.01482001	0.316893344	3711	3	0	0	13.25641026	14.38095238
0.03431021	0.316893344	3722	1	0	0	15.30769231	11.666666667
0.034478647	0.316893344	3752	10	0	0	13.87692308	13.24761905
0.01700684	0.316893344	3773	1	0	0	15.84615385	13.23809524
0.012147543	0.316893344	3799	1	0	0	16.15384615	14.76190476
0.042695012	0.316893344	3802	4	0	0	11.69230769	11.72619048
0.00136595	0.316893344	3803	1	0	0	9.230769231	9.333333333
0.026927877	0.316893344	3814	5	0	0	12.61538462	12.21904762
0.042945146	0.316893344	3829	1	0	0	13.38461538	12.28571429
0.043234849	0.316893344	3869	9	0	0	11.92307692	11.74603175
0.023558699	0.316893344	3888	1	0	0	12.23076923	13.19047619
0.038132491	0.316893344	3899	2	0	0	13.15384615	12.35714286
0.04364768	0.316893344	3928	1	0	0	11.84615385	10.23809524
0.023676592	0.316893344	3937	3	0	0	12.61538462	13.61904762
0.038060853	0.316893344	3946	1	0	0	12.92307692	13.52380952
0.018958463	0.316893344	3962	2	0	0	12.53846154	11.5952381
0.005522313	0.316893344	3963	1	0	0	13.92307692	11.0952381
0.038476046	0.316893344	3979	1	0	0	14.38461538	12.76190476
0.000859662	0.316893344	3983	1	0	0	15.46153846	12.23809524
0.044112759	0.316893344	3986	1	0	0	11.84615385	12.42857143
0.030646585	0.316893344	4027	1	0	0	12.07692308	10.95238095

0.002414692	0.316893344	4032	1	0	0	12.46153846	13.38095238
0.044561355	0.316893344	4052	3	0	0	12.48717949	11.9047619
0.019051886	0.316893344	4056	2	0	0	12.42307692	11.9047619
0.004761795	0.316893344	4080	1	0	0	12.23076923	10.19047619
0.044833022	0.316893344	4088	1	0	0	12.38461538	10.33333333
0.008446416	0.316893344	4103	3	0	0	14.79487179	13.6031746
0.002424858	0.316893344	4103	1	0	0	14.23076923	13.47619048
0.001845255	0.316893344	4130	2	0	0	15.96153846	15.23809524
0.002218308	0.316893344	4160	3	0	0	13.53846154	12.34920635
0.017856152	0.316893344	4165	1	0	0	9.923076923	10.28571429
0.040906402	0.316893344	4207	1	0	0	15.69230769	14.47619048
0.012213797	0.316893344	4228	2	0	0	13.88461538	13.71428571
0.028213312	0.316893344	4262	2	0	0	9	9.357142857
0.023564754	0.316893344	4266	4	0	0	14.09615385	13.17857143
0.046113391	0.316893344	4278	1	0	0	11.61538462	10
0.046165702	0.316893344	4284	1	0	0	11.61538462	12.23809524
0.034767554	0.316893344	4299	1	0	0	12.07692308	10.80952381
0.003565793	0.316893344	4308	1	0	0	11.76923077	13.80952381
0.040183768	0.316893344	4318	1	0	0	11.69230769	11.95238095
0.030883966	0.316893344	4320	1	0	0	12.61538462	10.80952381
0.009978146	0.316893344	4333	1	0	0	13.46153846	13.28571429
0.001325445	0.316893344	4342	1	0	0	13.46153846	12.38095238
0.01937917	0.316893344	4345	2	0	0	11.19230769	11.45238095
0.019540545	0.316893344	4350	1	0	0	12.38461538	11.19047619
0.008134459	0.316893344	4357	2	0	0	12.46153846	11.42857143
0.042022165	0.316893344	4420	11	0	0	12.01398601	11.81385281
0.003167325	0.316893344	4446	1	0	0	11.69230769	12.52380952
0.026328993	0.316893344	4455	1	0	0	12	11.38095238
0.029692553	0.316893344	4455	4	0	0	13.26923077	11.83333333
0.014240836	0.316893344	4458	2	0	0	14.34615385	12.97619048
0.014233308	0.316893344	4466	3	0	0	16.87179487	17.49206349
0.047487059	0.316893344	4467	1	0	0	9.384615385	9.666666667
0.00690244	0.316893344	4485	1	0	0	13.07692308	11.38095238
0.037308731	0.316893344	4489	2	0	0	12.26923077	13.33333333

0.014247091	0.316893344	4491	9	0	0	12.46153846	12.16402116
0.018079208	0.316893344	4524	3	0	0	12.17948718	13.19047619
0.014439877	0.316893344	4534	2	0	0	15.23076923	11.83333333
0.035964659	0.316893344	4535	1	0	0	14.84615385	14.47619048
0.001719161	0.316893344	4555	1	0	0	16.38461538	14.28571429
0.048136573	0.316893344	4562	3	0	0	11.02564103	11.41269841
0.048212909	0.316893344	4568	1	0	0	13.07692308	13
0.038518029	0.316893344	4569	1	0	0	10.30769231	9.857142857
0.022336599	0.316893344	4583	1	0	0	13.07692308	11.04761905
0.02604539	0.316893344	4598	11	0	0	12.81118881	12.66666667
0.046556035	0.316893344	4612	7	0	0	12.71428571	12.27210884
0.005475205	0.316893344	4626	4	0	0	12.69230769	12.46428571
0.002208667	0.316893344	4637	1	0	0	18.69230769	12.95238095
0.016079502	0.316893344	4638	5	0	0	12.87692308	11.03809524
0.041613329	0.316893344	4647	2	0	0	11.61538462	11.11904762
0.021792001	0.316893344	4666	9	0	0	13.83760684	13.21164021
0.01886567	0.316893344	4671	3	0	0	12.51282051	11.47619048
0.045815115	0.316893344	4676	5	0	0	12.44615385	11.98095238
0.023757894	0.316893344	4703	1	0	0	12.46153846	13.33333333
0.039104533	0.316893344	4705	4	0	0	11.82692308	11.72619048
0.015892235	0.316893344	4732	4	0	0	13.17307692	12.19047619
0.015892235	0.316893344	4732	4	0	0	13.17307692	12.19047619
0.003184186	0.316893344	4738	1	0	0	7.538461538	7.904761905
0.003113217	0.316893344	4749	1	0	0	12.53846154	12.9047619
0.032390202	0.316893344	4758	7	0	0	12.7032967	12.4829932
0.008662466	0.316893344	4761	1	0	0	13.30769231	12.71428571
0.023864283	0.316893344	4764	1	0	0	12.76923077	11.95238095
0.042241197	0.316893344	4776	1	0	0	10.53846154	9.857142857
0.004291017	0.316893344	4804	1	0	0	15.61538462	13.23809524
0.002493795	0.316893344	4812	1	0	0	16.30769231	13.14285714
0.05006286	0.316893344	4848	1	0	0	11.07692308	12.38095238
0.044059353	0.316893344	4868	11	0	0	13.13286713	12.995671
0.019058481	0.316893344	4869	1	0	0	12.84615385	13.52380952
0.024479719	0.316893344	4876	6	0	0	13.05128205	12.92857143

0.032591628	0.316893344	4892	1	0	0	11.23076923	9.761904762
0.018667269	0.316893344	4898	2	0	0	11.80769231	12.38095238
0.027852166	0.316893344	4908	1	0	0	14.61538462	15.0952381
0.02810188	0.316893344	4911	12	0	0	12.18589744	11.50793651
0.037632549	0.316893344	4917	1	0	0	13.61538462	13.14285714
0.043671961	0.316893344	4937	1	0	0	14.38461538	14.47619048
0.001715099	0.316893344	4947	1	0	0	13.61538462	12.66666667
0.017012581	0.316893344	4950	1	0	0	10.84615385	12.71428571
0.017789779	0.316893344	4965	5	0	0	11.67692308	11.61904762
0.000171248	0.316893344	4969	1	0	0	9.923076923	10.95238095
0.051043508	0.316893344	4971	1	0	0	11.15384615	11.76190476
0.007714222	0.316893344	4971	1	0	0	12.30769231	11.14285714
0.005089933	0.316893344	4974	3	0	0	12.92307692	12.22222222
0.006133741	0.316893344	4976	2	0	0	13.26923077	12.66666667
0.051096138	0.316893344	4988	4	0	0	13.53846154	13.98809524
0.02052229	0.316893344	5002	3	0	0	11.05128205	11.6984127
0.051258231	0.316893344	5020	8	0	0	12.67307692	12.0297619
0.051274942	0.316893344	5024	1	0	0	11.15384615	12.04761905
0.001499972	0.316893344	5061	2	0	0	13.69230769	12.88095238
0.005780329	0.316893344	5099	1	0	0	10.23076923	10.14285714
0.014114635	0.316893344	5122	2	0	0	13.34615385	13.5952381
0.028109022	0.316893344	5146	1	0	0	13.23076923	13.04761905
0.019867312	0.316893344	5148	1	0	0	14.46153846	11.33333333
0.015108718	0.316893344	5154	2	0	0	11.42307692	11.45238095
0.012679038	0.316893344	5160	3	0	0	11.97435897	12.71428571
0.012526184	0.316893344	5168	2	0	0	11.69230769	12.97619048
0.011740333	0.316893344	5196	2	0	0	10.34615385	11.57142857
0.015549731	0.316893344	5200	10	0	0	11.12307692	10.92857143
0.006592768	0.316893344	5216	1	0	0	13.30769231	12.71428571
0.030929229	0.316893344	5221	7	0	0	12.71428571	12.86394558
0.013470266	0.316893344	5225	5	0	0	12.64615385	12.12380952
0.001600283	0.316893344	5235	1	0	0	13.15384615	11.52380952
0.005920706	0.316893344	5264	1	0	0	12.92307692	12.71428571
0.052945932	0.316893344	5265	2	0	0	11.96153846	11.80952381

0.017051393	0.316893344	5274	1	0	0	16.46153846	15.33333333
0.008144719	0.316893344	5282	2	0	0	10.57692308	9.83333333
0.037576778	0.316893344	5290	4	0	0	13.46153846	12.17857143
0.053100004	0.316893344	5300	4	0	0	13.32692308	13.41666667
0.038065279	0.316893344	5316	7	0	0	12.04395604	12.29251701
0.004429522	0.316893344	5330	1	0	0	9	8.285714286
0.002165583	0.316893344	5336	3	0	0	13.23076923	13.28571429
0.012453046	0.316893344	5375	5	0	0	12.18461538	12.2952381
0.002976386	0.316893344	5382	1	0	0	9.384615385	9.428571429
0.007549962	0.316893344	5386	3	0	0	13.66666667	12.79365079
0.045333312	0.316893344	5390	1	0	0	14.92307692	13.0952381
0.039507215	0.316893344	5400	7	0	0	13.68131868	13.25170068
0.006822093	0.316893344	5401	4	0	0	13.5	12.46428571
0.053776648	0.316893344	5402	2	0	0	14.30769231	13.0952381
0.006870439	0.316893344	5403	2	0	0	13.73076923	12.33333333
0.053869609	0.316893344	5412	1	0	0	14	13.76190476
0.031819755	0.316893344	5412	2	0	0	14.53846154	14.02380952
0.006782791	0.316893344	5438	2	0	0	14.80769231	14.54761905
0.054002977	0.316893344	5442	1	0	0	11.76923077	10.42857143
0.046455874	0.316893344	5447	3	0	0	12	11.87301587
0.054055402	0.316893344	5449	1	0	0	13.23076923	13.85714286
0.022390078	0.316893344	5468	1	0	0	12.76923077	14.33333333
0.011144471	0.316893344	5479	5	0	0	12.66153846	11.96190476
0.011144471	0.316893344	5479	5	0	0	12.66153846	11.96190476
0.021675201	0.316893344	5486	1	0	0	14.07692308	13.9047619
0.006465761	0.316893344	5495	1	0	0	13.30769231	13.42857143
0.006465761	0.316893344	5495	1	0	0	13.30769231	13.42857143
0.050996529	0.316893344	5495	1	0	0	12.46153846	10.57142857
0.016087333	0.316893344	5498	2	0	0	13.69230769	14.73809524
0.008362464	0.316893344	5501	1	0	0	13.07692308	15.47619048
0.00466125	0.316893344	5513	2	0	0	12.30769231	11.78571429
0.047424174	0.316893344	5516	1	0	0	12	12.57142857
0.028689904	0.316893344	5526	12	0	0	11.48717949	10.86111111
0.030619721	0.316893344	5527	1	0	0	14.07692308	14.19047619

0.00637413	0.316893344	5533	1	0	0	10.53846154	9.523809524
0.0545386	0.316893344	5537	2	0	0	10.53846154	9.761904762
0.010180777	0.316893344	5553	6	0	0	13.28205128	13.45238095
0.033899389	0.316893344	5555	3	0	0	9.717948718	8.714285714
0.039223142	0.316893344	5565	1	0	0	23.61538462	22
0.054684835	0.316893344	5569	1	0	0	31.84615385	30.61904762
0.00848822	0.316893344	5588	1	0	0	14.53846154	12.57142857
0.029722425	0.316893344	5588	5	0	0	14.98461538	14.01904762
0.048687818	0.316893344	5594	1	0	0	16.15384615	13.80952381
0.013995267	0.316893344	5604	2	0	0	13.92307692	12.85714286
0.022858998	0.316893344	5605	1	0	0	12.30769231	11.19047619
0.002624916	0.316893344	5629	1	0	0	13.53846154	14.28571429
0.005113343	0.316893344	5637	1	0	0	14.84615385	14.04761905
0.049962764	0.316893344	5642	3	0	0	13.69230769	11.38095238
0.022574857	0.316893344	5646	1	0	0	10.07692308	9.904761905
0.01768365	0.316893344	5651	3	0	0	12.71794872	12.73015873
0.016408695	0.316893344	5669	13	0	0	12.34911243	12.03296703
0.017231445	0.316893344	5681	3	0	0	14.28205128	13.82539683
0.017231445	0.316893344	5681	3	0	0	14.28205128	13.82539683
0.055320744	0.316893344	5683	3	0	0	12.41025641	11.63492063
0.028050683	0.316893344	5690	7	0	0	11.41758242	10.88435374
0.030696234	0.316893344	5693	1	0	0	15.61538462	13.57142857
0.012562666	0.316893344	5699	1	0	0	13.30769231	10.85714286
0.055524257	0.316893344	5715	3	0	0	13.94871795	11.66666667
0.050299229	0.316893344	5721	1	0	0	12.61538462	12.95238095
0.006700221	0.316893344	5725	2	0	0	12.19230769	12.52380952
0.027437588	0.316893344	5749	1	0	0	11.76923077	11.14285714
0.034505508	0.316893344	5759	6	0	0	12.70512821	11.86507937
0.042708508	0.316893344	5768	1	0	0	13.84615385	14.04761905
0.049888497	0.316893344	5776	5	0	0	12.73846154	12.22857143
0.029707434	0.316893344	5777	1	0	0	11.15384615	12.0952381
0.012385127	0.316893344	5779	2	0	0	11.57692308	11.42857143
0.023888706	0.316893344	5780	2	0	0	11.07692308	13.45238095
0.042336762	0.316893344	5780	7	0	0	11.6043956	10.60544218

0.001241961	0.316893344	5800	1	0	0	13.38461538	12.95238095
0.01177675	0.316893344	5804	1	0	0	14.30769231	11.9047619
0.05607865	0.316893344	5815	6	0	0	12.70512821	12.42063492
0.004228894	0.316893344	5840	2	0	0	12.84615385	12.61904762
0.033952484	0.316893344	5858	4	0	0	10.82692308	11.29761905
0.014232465	0.316893344	5864	2	0	0	11.34615385	11.47619048
0.054356666	0.316893344	5870	1	0	0	12.53846154	12.33333333
0.015106779	0.316893344	5871	9	0	0	12.87179487	12.28042328
0.001176906	0.316893344	5873	2	0	0	14.80769231	13.80952381
0.054101504	0.316893344	5884	6	0	0	12.53846154	11.73809524
0.043394821	0.316893344	5895	6	0	0	12.26923077	11.74603175
0.036189857	0.316893344	5904	1	0	0	11.38461538	12.47619048
0.004958115	0.316893344	5906	1	0	0	9.846153846	13.0952381
0.044918724	0.316893344	5908	10	0	0	12.10769231	11.90952381
0.053964472	0.316893344	5910	6	0	0	13.08974359	12.20634921
0.04779082	0.316893344	5917	2	0	0	13.5	12.88095238
0.031614049	0.316893344	5923	5	0	0	11.24615385	10.6
0.008960321	0.316893344	5928	1	0	0	15.07692308	13.23809524
0.027995498	0.316893344	5934	2	0	0	13.61538462	13.52380952
0.045534319	0.316893344	5935	2	0	0	13.23076923	13.4047619
0.014782449	0.316893344	5936	1	0	0	13.15384615	13.76190476
0.056894358	0.316893344	5940	1	0	0	9.692307692	8.571428571
0.013091648	0.316893344	5947	1	0	0	12.69230769	13.38095238
0.029611558	0.316893344	5958	6	0	0	12.16666667	12.27777778
0.002357654	0.316893344	5963	1	0	0	11.07692308	12.04761905
0.034773901	0.316893344	5969	1	0	0	14.07692308	11.85714286
0.018417265	0.316893344	5973	8	0	0	12.25961538	12.33928571
0.006904159	0.316893344	5979	1	0	0	11.92307692	12.23809524
0.001827092	0.316893344	5980	1	0	0	13.15384615	12.66666667
0.018028821	0.316893344	5987	1	0	0	13.07692308	12.33333333
0.057243307	0.316893344	5992	1	0	0	11.38461538	12.28571429
0.057257134	0.316893344	6000	3	0	0	13.1025641	11.49206349
0.015336538	0.316893344	6001	2	0	0	12.26923077	12.4047619
0.013600777	0.316893344	6008	2	0	0	13.61538462	14.30952381

0.008406165	0.316893344	6009	2	0	0	14.26923077	13.71428571
0.057380574	0.316893344	6021	1	0	0	12	12
0.015264165	0.316893344	6023	1	0	0	12.23076923	11.71428571
0.053360972	0.316893344	6026	14	0	0	12.46703297	12.36054422
0.016404599	0.316893344	6035	4	0	0	14.11538462	12.89285714
0.036029798	0.316893344	6049	3	0	0	11.69230769	12.12698413
0.020928271	0.316893344	6063	1	0	0	12.92307692	10.66666667
0.016386758	0.316893344	6066	5	0	0	11.93846154	11.64761905
0.02073698	0.316893344	6074	5	0	0	14.58461538	13.35238095
0.057709073	0.316893344	6082	1	0	0	10.38461538	10.80952381
0.006378732	0.316893344	6085	2	0	0	13	11.47619048
0.046727599	0.316893344	6092	2	0	0	12.11538462	11.0952381
0.05293139	0.316893344	6093	2	0	0	12.03846154	12.21428571
0.048518852	0.316893344	6106	1	0	0	7.846153846	8.19047619
0.004108385	0.316893344	6125	1	0	0	11.69230769	13.42857143
0.004108385	0.316893344	6125	1	0	0	11.69230769	13.42857143
0.002749039	0.316893344	6136	2	0	0	14.03846154	13.21428571
0.03396284	0.316893344	6137	1	0	0	14.38461538	12.28571429
0.002144226	0.316893344	6140	2	0	0	13.23076923	13.04761905
0.058169286	0.316893344	6147	1	0	0	11.38461538	12.95238095
0.040595025	0.316893344	6150	5	0	0	12.33846154	12.48571429
0.04130442	0.316893344	6162	4	0	0	16.19230769	14.9047619
0.012836047	0.316893344	6168	5	0	0	13.58461538	13.5047619
0.013611867	0.316893344	6182	1	0	0	20.53846154	21.19047619
0.015264576	0.316893344	6192	5	0	0	12.90769231	11.94285714
0.015264576	0.316893344	6192	5	0	0	12.90769231	11.94285714
0.02080982	0.316893344	6196	3	0	0	11.97435897	11.20634921
0.022760277	0.316893344	6205	11	0	0	12.6993007	12.16017316
0.031521837	0.316893344	6214	1	0	0	16.92307692	16
0.003290734	0.316893344	6218	1	0	0	15.38461538	12.80952381
0.004655862	0.316893344	6222	1	0	0	12.46153846	13.38095238
0.009810244	0.316893344	6226	2	0	0	13.80769231	12.61904762
0.004947938	0.316893344	6240	1	0	0	9.461538462	9.571428571
0.012000835	0.316893344	6261	3	0	0	13.74358974	13.07936508

0.02962188	0.316893344	6267	1	0	0	15	12.47619048
0.059031133	0.316893344	6275	12	0	0	12.44230769	12.35714286
0.059044061	0.316893344	6279	6	0	0	10.53846154	11.1031746
0.022707381	0.316893344	6286	1	0	0	12.15384615	13.47619048
0.005780654	0.316893344	6286	4	0	0	12.48076923	11.66666667
0.032186142	0.316893344	6288	1	0	0	11	12.23809524
0.034998221	0.316893344	6292	3	0	0	12.28205128	11.6031746
0.021381645	0.316893344	6297	4	0	0	14.21153846	13.35714286
0.054587184	0.316893344	6300	4	0	0	12.69230769	12.51190476
0.006326054	0.316893344	6308	2	0	0	13.88461538	13.76190476
0.022300095	0.316893344	6312	1	0	0	8.615384615	6.047619048
0.037170652	0.316893344	6321	2	0	0	14.19230769	12.19047619
0.02016767	0.316893344	6322	2	0	0	13.30769231	12.9047619
0.034777675	0.316893344	6327	6	0	0	14.16666667	13.18253968
0.05931314	0.316893344	6328	2	0	0	13.92307692	13.5952381
0.057139924	0.316893344	6334	2	0	0	13.61538462	12.92857143
0.038467884	0.316893344	6351	6	0	0	11.67948718	11.47619048
0.005690337	0.316893344	6354	5	0	0	11.83076923	11.79047619
0.051016151	0.316893344	6383	7	0	0	12.68131868	12
0.033847815	0.316893344	6383	2	0	0	12.61538462	12.83333333
0.02678143	0.316893344	6386	9	0	0	12.48717949	12.93121693
0.032665932	0.316893344	6396	9	0	0	12.96581197	12.41269841
0.059789189	0.316893344	6396	13	0	0	11.83431953	10.80586081
0.001306305	0.316893344	6397	1	0	0	14	13.71428571
0.046464742	0.316893344	6407	4	0	0	13.26923077	12.70238095
0.040339852	0.316893344	6418	8	0	0	13.57692308	13.03571429
0.000142833	0.316893344	6447	1	0	0	16.30769231	14.38095238
0.055493775	0.316893344	6453	10	0	0	13.34615385	12.3952381
0.018330116	0.316893344	6453	1	0	0	14.15384615	13.0952381
0.060123308	0.316893344	6462	4	0	0	11.80769231	11.53571429
0.042384633	0.316893344	6477	1	0	0	23.84615385	25.76190476
0.010973187	0.316893344	6487	10	0	0	12.41538462	13.09047619
0.027708005	0.316893344	6491	7	0	0	10.67032967	10.79591837
0.036242236	0.316893344	6492	1	0	0	14.30769231	13.47619048

0.05937366	0.316893344	6494	1	0	0	12.76923077	11.71428571
0.052724098	0.316893344	6504	11	0	0	11.77622378	10.97402597
0.047336755	0.316893344	6509	1	0	0	14.07692308	14.38095238
0.028002069	0.316893344	6511	10	0	0	12.61538462	11.86666667
0.028765366	0.316893344	6518	2	0	0	12.23076923	11.4047619
0.060527668	0.316893344	6519	5	0	0	12.64615385	12.55238095
0.03148456	0.316893344	6521	3	0	0	10.07692308	10.17460317
0.03148456	0.316893344	6521	3	0	0	10.07692308	10.17460317
0.041602567	0.316893344	6539	1	0	0	14.92307692	12.61904762
0.058022883	0.316893344	6544	12	0	0	11.80769231	11.77380952
0.002762613	0.316893344	6549	1	0	0	12.53846154	11.85714286
0.000419122	0.316893344	6562	1	0	0	11.23076923	11.38095238
0.036050579	0.316893344	6564	5	0	0	11.35384615	11.1047619
0.038454127	0.316893344	6566	5	0	0	12.95384615	11.88571429
0.033868045	0.316893344	6567	1	0	0	12.38461538	12.47619048
0.060810309	0.316893344	6569	1	0	0	14.53846154	14.42857143
0.060810309	0.316893344	6569	1	0	0	14.53846154	14.42857143
0.009433123	0.316893344	6580	1	0	0	14.07692308	11.38095238
0.060912758	0.316893344	6583	1	0	0	13.15384615	11.42857143
0.049286959	0.316893344	6592	7	0	0	12.45054945	12.36054422
0.016163464	0.316893344	6598	1	0	0	14.84615385	14.33333333
0.027844382	0.316893344	6600	2	0	0	10.73076923	12.61904762
0.052628554	0.316893344	6601	10	0	0	10.96923077	11.75238095
0.049282288	0.316893344	6608	7	0	0	12.8021978	12.81632653
0.012819571	0.316893344	6610	3	0	0	13.46153846	13.07936508
0.023436196	0.316893344	6611	5	0	0	11.67692308	11.79047619
0.054490707	0.316893344	6631	2	0	0	12.46153846	12.57142857
0.004952261	0.316893344	6634	1	0	0	10.53846154	9.380952381
0.058306981	0.316893344	6637	4	0	0	10.13461538	10.10714286
0.059448843	0.316893344	6638	1	0	0	15.23076923	13.42857143
0.036189922	0.316893344	6644	7	0	0	11.9010989	12.10204082
0.052159209	0.316893344	6648	11	0	0	12.8951049	12.58008658
0.008496558	0.316893344	6653	12	1.083333333	1.75	10.46794872	10.63492063
0.044505944	0.316893344	6656	7	0	0	10.35164835	10.74829932

0.061451104	0.316893344	6657	1	0	0	12.69230769	14
0.050596096	0.316893344	6668	5	0	0	13.41538462	12.11428571
0.032500502	0.316893344	6697	8	0	0	11.75	11.95833333
0.045315939	0.316893344	6702	7	0	0	13.36263736	13.30612245
0.061780475	0.316893344	6706	1	0	0	12.92307692	13
0.061865601	0.316893344	6719	3	0.333333333	1.333333333	11.33333333	10.55555556
0.039577313	0.316893344	6724	1	0	0	13.46153846	13
0.010571863	0.316893344	6730	4	0	0	14.76923077	14.64285714
0.016704448	0.316893344	6734	2	0	0	13	11.97619048
0.036567186	0.316893344	6747	6	0	0	11.98717949	12.23015873
0.036567186	0.316893344	6747	6	0	0	11.98717949	12.23015873
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0.030678653	0.316893344	6776	2	0	0	12.76923077	13.52380952
0.03396222	0.316893344	6782	11	0	0	13.06293706	13.4978355
0.06231046	0.316893344	6784	6	0	0	14.05128205	13.31746032
0.024243899	0.316893344	6786	4	0	0	11.44230769	11.61904762
0.033499832	0.316893344	6791	2	0	0	13.76923077	13.64285714
0.010047742	0.316893344	6801	3	0	0	10.20512821	10.23809524
0.016928565	0.316893344	6806	1	0	0	13.46153846	13.9047619
0.002269145	0.316893344	6807	1	0	0	13.61538462	11.14285714
0.020947263	0.316893344	6811	4	0	0	11.96153846	10.8452381
0.062490481	0.316893344	6816	9	0	0	11.64102564	11.57671958
0.024776946	0.316893344	6816	7	0	0	12.49450549	12.23129252
0.047638729	0.316893344	6819	1	0	0	12.69230769	12.38095238
0.039400196	0.316893344	6822	3	0	0	11.58974359	10.79365079
0.062576277	0.316893344	6825	6	0	0	11.69230769	11.88095238
0.048845559	0.316893344	6835	9	0	0	12.44444444	12.51851852
0.044524082	0.316893344	6838	10	0	0	12.53846154	11.71904762
0.038535632	0.316893344	6839	9	0	0	12.4957265	11.98412698
0.030702688	0.316893344	6840	1	0	0	13.76923077	11.66666667
0.035467488	0.316893344	6845	7	0	0	12.68131868	12.43537415
0.021244449	0.316893344	6853	7	0	0	13.38461538	13.03401361
0.029333603	0.316893344	6865	9	0	0	11.21367521	10.7037037
0.021132291	0.316893344	6866	5	0	0	14.56923077	14.1047619

0.004077644	0.316893344	6870	1	0	0	14.38461538	12.85714286
0.030604238	0.316893344	6879	4	0	0	13.44230769	12.48809524
0.062939226	0.316893344	6889	6	0	0	12.20512821	11.97619048
0.015607946	0.316893344	6891	5	0	0	11.81538462	12.46666667
0.009256298	0.316893344	6904	1	0	0	14.53846154	14.33333333
0.033386099	0.316893344	6909	2	0	0	12.80769231	12.38095238
0.041136747	0.316893344	6916	7	0	0	13.93406593	12.82993197
0.012200254	0.316893344	6920	2	0	0	14.11538462	13.21428571
0.010709789	0.316893344	6921	8	0	0	11.375	10.91071429
0.041067057	0.316893344	6923	2	0	0	12.11538462	12.95238095
0.028935605	0.316893344	6928	11	0	0	11.86013986	12.09090909
0.01124715	0.316893344	6932	2	0	0	14.5	13.4047619
0.025545694	0.316893344	6933	6	0	0	12.52564103	12.63492063
0.05207497	0.316893344	6942	1	0	0	10.76923077	11.42857143
0.017718468	0.316893344	6943	1	0	0	15.76923077	15.76190476
0.020216843	0.316893344	6974	6	0	0	13.1025641	12.65079365
0.03485336	0.316893344	6977	11	0	0	12.48951049	12.12987013
0.021497615	0.316893344	6990	1	0	0	13.07692308	13.85714286
0.021497615	0.316893344	6990	1	0	0	13.07692308	13.85714286
0.034744424	0.316893344	6990	14	0	0	12.93956044	12.43877551
0.021206774	0.316893344	6994	7	0	0	11.14285714	10.95918367
0.03066526	0.316893344	6999	1	0	0	13.07692308	12.95238095
0.031835829	0.316893344	7015	1	0	0	13.69230769	14.0952381
0.022753426	0.316893344	7026	16	0	0	12.52403846	12.1875
0.004355237	0.316893344	7033	1	0	0	14.84615385	13.04761905
0.061529344	0.316893344	7039	1	0	0	8.076923077	8.666666667
0.009135831	0.316893344	7055	9	0	0	12.84615385	12.87301587
0.030488209	0.316893344	7060	15	0	0	13.07692308	12.74285714
0.017256545	0.316893344	7072	3	0	0	13.25641026	12.85714286
0.064151647	0.316893344	7082	10	0	0	10.99230769	10.64761905
0.057425063	0.316893344	7088	8	0	0	11.43269231	11.51785714
0.011439047	0.316893344	7093	2	0	0	12.80769231	13.30952381
0.022413898	0.316893344	7095	1	0	0	10.61538462	10.76190476
0.043242653	0.316893344	7099	10	0	0	12.10769231	11.88571429

0.03880142	0.316893344	7120	1	0	0	10.92307692	11.76190476
0.020312014	0.316893344	7121	9	0	0	11.51282051	11.76190476
0.064363961	0.316893344	7124	1	0	0	9.538461538	12.38095238
0.064376748	0.316893344	7126	5	0	0	13.46153846	12.46666667
0.03727515	0.316893344	7134	12	0	0	12.56410256	12.42063492
0.001208704	0.316893344	7136	2	0	0	12.38461538	12.57142857
0.064420861	0.316893344	7137	11	0	0	12.76923077	12.4025974
0.021991837	0.316893344	7137	16	0.8125	1.3125	11.25	10.66964286
0.048982997	0.316893344	7151	5	0	0	13.86153846	12.64761905
0.010026944	0.316893344	7153	9	0	0	12.31623932	12
0.049957449	0.316893344	7169	7	0	0	12.52747253	12.2244898
0.033673789	0.316893344	7180	1	0	0	13.69230769	11.85714286
0.011798983	0.316893344	7195	2	0	0	13.76923077	12.11904762
0.026079832	0.316893344	7200	2	0	0	14.88461538	13.5952381
0.055632775	0.316893344	7205	1	0	1	8.769230769	9.047619048
0.047360612	0.316893344	7207	1	0	0	10.53846154	13.42857143
0.013736742	0.316893344	7210	7	0	0	9.56043956	9.367346939
0.057579939	0.316893344	7214	1	0	0	14.61538462	14.47619048
0.044598539	0.316893344	7222	3	4.333333333	7	8.461538462	8.634920635
0.015367218	0.316893344	7228	1	0	0	12	12.71428571
0.04329324	0.316893344	7242	8	0	0	13.35576923	13.35119048
0.038632338	0.316893344	7247	9	0	0	12.02564103	12.17989418
0.037037965	0.316893344	7250	8	0	0	12.63461538	11.94642857
0.065065048	0.316893344	7252	1	0	0	13.46153846	13.85714286
0.040827673	0.316893344	7255	5	0	0	10.27692308	10.82857143
0.049052282	0.316893344	7257	6	0	0	13.41025641	12.93650794
0.049052282	0.316893344	7257	6	0	0	13.41025641	12.93650794
0.049052282	0.316893344	7257	6	0	0	13.41025641	12.93650794
0.026313406	0.316893344	7262	12	0	0	12.75641026	12.68650794
0.02985054	0.316893344	7264	3	0	0	14.15384615	13.79365079
0.065271833	0.316893344	7278	6	0	0	12.64102564	12.45238095
0.012073495	0.316893344	7279	8	0	0	12.01923077	12.20238095
0.032119735	0.316893344	7294	13	0	0	12.71597633	12.98168498
0.008978846	0.316893344	7297	23	0	0	11.10702341	10.79710145

0.049791097	0.316893344	7299	2	0	0	11.5	10.64285714
0.065422497	0.316893344	7299	13	0	0	13.24852071	13.48717949
0.051632919	0.316893344	7300	1	0	0	11.76923077	12.19047619
0.003881912	0.316893344	7301	1	0	0	13	12.76190476
0.014611867	0.316893344	7309	1	0	0	13.76923077	13.23809524
0.027368891	0.316893344	7317	3	0	0	10.94871795	11.0952381
0.00987339	0.316893344	7318	1	0	0	12.92307692	11.76190476
0.0193722	0.316893344	7324	2	0	0	13.19230769	13.14285714
0.006667396	0.316893344	7325	1	0	0	11.15384615	11.57142857
8.47568175369942e-05	0.316893344	7328	1	0	0	12	11.95238095
0.024740436	0.316893344	7330	7	0	0	12.32967033	12.08163265
0.047171274	0.316893344	7333	1	0	0	9.153846154	9.619047619
0.026081812	0.316893344	7338	4	0	0	12.61538462	12.80952381
0.065798741	0.316893344	7351	2	0	0	12.65384615	12.76190476
0.06588536	0.316893344	7361	7	0	0	14.96703297	13.91156463
0.040636207	0.316893344	7364	1	0	0	13.15384615	15.0952381
0.022515386	0.316893344	7370	2	0	0	11.61538462	11.92857143
0.0311285	0.316893344	7370	12	0	0	12.13461538	12.25396825
0.010367255	0.316893344	7371	1	0	0	14.07692308	14.76190476
0.044062203	0.316893344	7379	11	0	0	11.81118881	11.37229437
0.01459753	0.316893344	7381	1	0	0	13.07692308	13.04761905
0.040179136	0.316893344	7382	3	0	0	10.87179487	11.12698413
0.03437373	0.316893344	7383	9	0	0	12.94017094	11.94708995
0.0137024	0.316893344	7385	5	0	0	13.78461538	13.0952381
0.022500731	0.316893344	7386	6	0	0	11.79487179	12.15873016
0.009065122	0.316893344	7391	3	0	0	12.17948718	11.71428571
0.003212747	0.316893344	7393	2	0	0	11.73076923	12.30952381
0.066128139	0.316893344	7402	6	0	0	14.30769231	13.95238095
0.064467858	0.316893344	7403	4	0	0	12.98076923	12.33333333
0.021889513	0.316893344	7406	1	0	0	10.69230769	11.28571429
0.066169827	0.316893344	7411	12	0	0	11.23717949	10.77380952
0.051689366	0.316893344	7413	3	0	0	11.15384615	10.85714286
0.066194622	0.316893344	7415	7	0	0	11.16483516	11.29251701
0.033294046	0.316893344	7416	3	0	0	13.23076923	12.52380952

0.066208031	0.316893344	7420	10	0	0	12.63076923	11.8047619
0.042284644	0.316893344	7426	1	0	0	12.38461538	11.33333333
0.011484187	0.316893344	7431	2	0	0	12.92307692	12.21428571
0.060757476	0.316893344	7432	11	0	0	11.81118881	11.71428571
0.016497616	0.316893344	7434	5	0	0	11.06153846	12.0952381
0.021148519	0.316893344	7435	1	0	0	11.69230769	10.04761905
0.000533921	0.316893344	7438	3	0	0	13.12820513	11.96825397
0.057285202	0.316893344	7439	7	0	0	11.54945055	10.9047619
0.03806043	0.316893344	7450	2	0	0	13.42307692	12.78571429
0.018675376	0.316893344	7451	3	0	0	11.79487179	12.73015873
0.0283121	0.316893344	7454	17	0	0	12.52488688	12.22408964
0.066491616	0.316893344	7455	1	0	0	13.69230769	12.47619048
0.01535379	0.316893344	7462	2	0	0	13.42307692	14.30952381
0.027019148	0.316893344	7469	13	0	0	11.86390533	11.63003663
0.058967926	0.316893344	7471	11	0	0	13.23776224	12.98268398
0.038409925	0.316893344	7474	10	0	0	13.60769231	12.91428571
0.049872235	0.316893344	7475	8	0	0	12.75961538	12.39285714
0.049362375	0.316893344	7477	1	0	0	13.76923077	13.61904762
0.049480508	0.316893344	7478	1	0	0	12.53846154	13.19047619
0.040215892	0.316893344	7479	7	0	0.142857143	11.15384615	11.12244898
0.010293693	0.316893344	7489	2	0	0	13.34615385	13.04761905
0.061913111	0.316893344	7489	1	0	0	12.46153846	12.33333333
0.049417427	0.316893344	7491	1	0	0	9	10.66666667
0.039776459	0.316893344	7493	1	0	0	14.46153846	13
0.053878033	0.316893344	7496	1	0	0	13.46153846	13.71428571
0.036978216	0.316893344	7503	1	0	0	13.61538462	13.57142857
0.037779642	0.316893344	7507	11	0	0	12.62237762	12.21212121
0.030262722	0.316893344	7510	2	0	0	14.23076923	12.9047619
0.005540289	0.316893344	7515	4	0	0	12.86538462	12.52380952
0.005540289	0.316893344	7515	4	0	0	12.86538462	12.52380952
0.039921064	0.316893344	7521	3	0	0	11.84615385	11.92063492
0.048803034	0.316893344	7526	1	0	0	11.69230769	11.76190476
0.061971538	0.316893344	7533	1	0	0	10.46153846	9.380952381
0.06710072	0.316893344	7544	12	0	0	13.29487179	13.67857143

0.06710072	0.316893344	7544	12	0	0	13.29487179	13.67857143
0.007911966	0.316893344	7545	1	0	0	12.23076923	12.47619048
0.016712	0.316893344	7546	4	0	0	10.53846154	9.880952381
0.048203289	0.316893344	7548	3	0	0	12.51282051	12.74603175
0.012289764	0.316893344	7552	2	0	0	11.53846154	11.83333333
0.017280487	0.316893344	7564	3	0	0	12.46153846	12.22222222
0.027348322	0.316893344	7568	11	0	0	12.47552448	12.51082251
0.041637494	0.316893344	7573	10	0	0	12.58461538	12.22380952
0.041637494	0.316893344	7573	10	0	0	12.58461538	12.22380952
0.063922483	0.316893344	7582	13	0	0	12.08284024	12.04029304
0.012255077	0.316893344	7585	1	0	0	7.615384615	9.476190476
0.06733196	0.316893344	7587	5	0	0	12.2	11.87619048
0.06733196	0.316893344	7587	5	0	0	12.2	11.87619048
0.062746559	0.316893344	7596	16	0	0	12.69230769	12.13095238
0.052027963	0.316893344	7600	4	0	0	13.07692308	12.75
0.024157943	0.316893344	7620	1	0	0	11.07692308	11.71428571
0.023988654	0.316893344	7621	2	0	0	12.69230769	12.61904762
0.016302463	0.316893344	7625	2	0	0	13.34615385	12.19047619
0.001426693	0.316893344	7630	1	0	0	14.53846154	12.71428571
0.0418472	0.316893344	7640	5	0	0	12.75384615	11.80952381
0.033672402	0.316893344	7646	12	0	0	13.46794872	12.67460317
0.012083858	0.316893344	7664	4	0	0	11.82692308	11.82142857
0.005462663	0.316893344	7665	9	0	0	12.36752137	12.43386243
0.06778959	0.316893344	7665	2	0	0	13.80769231	13.28571429
0.024667381	0.316893344	7671	12	0	0	12.47435897	11.68253968
0.036547595	0.316893344	7678	12	0	0	11.69871795	11.50396825
0.044765183	0.316893344	7683	1	0	0	14.53846154	13.23809524
0.061721574	0.316893344	7684	4	0	0	13.5	12.47619048
0.067986354	0.316893344	7689	6	0	0	13.67948718	12.73015873
0.036816536	0.316893344	7692	8	0	0	13.09615385	12.17261905
0.025749393	0.316893344	7693	1	0	0	14.07692308	12.76190476
0.030581673	0.316893344	7695	12	0	0	11.61538462	10.82936508
0.063932906	0.316893344	7698	12	0	0	11.63461538	10.67857143
0.01676655	0.316893344	7705	7	0	0	10.96703297	10.13605442

0.030784283	0.316893344	7708	3	0	0	13.30769231	13.55555556
0.024444751	0.316893344	7709	7	0	0	12.72527473	12.12244898
0.0513833	0.316893344	7711	10	0	0	12.56923077	11.98571429
0.030263564	0.316893344	7728	11	0	0	12.48251748	12.67099567
0.030263564	0.316893344	7728	11	0	0	12.48251748	12.67099567
0.068215935	0.316893344	7734	9	0	0	13.35042735	13.17460317
0.010690684	0.316893344	7737	2	0	0	13.57692308	13.88095238
0.061243673	0.316893344	7737	13	0	0	12.61538462	12.23076923
0.009622385	0.316893344	7741	3	0	0	12.56410256	11.92063492
0.020395148	0.316893344	7744	11	1.181818182	1.909090909	11.02097902	10.98268398
0.018689637	0.316893344	7752	1	0	0	9	10.42857143
0.064265881	0.316893344	7755	10	0.7	0.8	10.46153846	10.39047619
0.031490389	0.316893344	7759	1	0	0	10.84615385	13.04761905
0.031786616	0.316893344	7768	6	0	0	11.46153846	11.23015873
0.041941895	0.316893344	7775	10	0	0	13.94615385	12.84761905
0.012516081	0.316893344	7781	1	0	0	15.46153846	14.9047619
0.030290896	0.316893344	7784	2	0	0	11.88461538	12.57142857
0.01329837	0.316893344	7787	2	0	0	14.15384615	12.76190476
0.01329837	0.316893344	7787	2	0	0	14.15384615	12.76190476
0.045871191	0.316893344	7796	1	0	0	13	13.95238095
0.006460753	0.316893344	7798	2	0	0	10.42307692	11.83333333
0.029166622	0.316893344	7805	4	0	0	11.03846154	11.80952381
0.063883084	0.316893344	7816	7	0	0	12.05494505	11.46938776
0.003783074	0.316893344	7818	1	0	0	13.61538462	10.61904762
0.038646153	0.316893344	7824	1	0	0	14.61538462	13.28571429
0.048510659	0.316893344	7838	5	0	0	12.84615385	12.64761905
0.055246474	0.316893344	7841	4	0	0	11.92307692	11.45238095
0.055246474	0.316893344	7841	4	0	0	11.92307692	11.45238095
0.051985375	0.316893344	7846	9	0	0	13.53846154	13.61375661
0.010693552	0.316893344	7847	2	0	0	13	10.80952381
0.007444139	0.316893344	7859	2	0	0	13.15384615	12.52380952
0.008610028	0.316893344	7869	2	0	0	11.34615385	12.4047619
0.026758563	0.316893344	7872	2	0	0	11.92307692	11.47619048
0.018649634	0.316893344	7874	11	0	0	12.32867133	11.63203463

0.034449586	0.316893344	7875	13	0	0	13.12426036	12.80952381
0.008411223	0.316893344	7877	1	0	0	9.153846154	11.85714286
0.027130473	0.316893344	7883	8	0	0	13.29807692	13.04166667
0.019106548	0.316893344	7888	3	0	0	13.97435897	13.04761905
0.060215807	0.316893344	7890	6	0	0	10.87179487	9.96031746
0.01634502	0.316893344	7895	2	0	0	12.42307692	12.26190476
0.040444413	0.316893344	7898	19	0	0	13.2145749	12.56641604
0.041377521	0.316893344	7899	12	0	0	11.75	11.98412698
0.042588089	0.316893344	7905	15	0	0	11.32820513	10.80634921
0.021622805	0.316893344	7907	4	0	0	13.65384615	13.46428571
0.028343367	0.316893344	7914	12	0	0	13.1025641	12.74603175
0.045661789	0.316893344	7917	9	0	0	13.16239316	12.94179894
0.058540315	0.316893344	7925	6	0	0	12.52564103	11.98412698
0.00666816	0.316893344	7927	3	0	0	14.41025641	13.76190476
0.018993069	0.316893344	7929	11	0	0	13.70629371	12.89177489
0.016055379	0.316893344	7932	2	0	0	12.34615385	11.71428571
0.01461171	0.316893344	7939	1	0	0	12	12.71428571
0.028541278	0.316893344	7946	13	0	0	12.26035503	12.13186813
0.028541278	0.316893344	7946	13	0	0	12.26035503	12.13186813
0.069482231	0.316893344	7948	1	0	0	13.84615385	14.47619048
0.051264945	0.316893344	7948	7	0	0	13.07692308	12.45578231
0.040978312	0.316893344	7951	14	0	0	12.84065934	13.20068027
0.010675363	0.316893344	7953	1	0	0	12	10.95238095
0.022957818	0.316893344	7960	2	0	0	13.5	13.07142857
0.017928149	0.316893344	7960	10	0	0	11.97692308	11.14285714
0.058749042	0.316893344	7967	5	0	0	11.32307692	10.17142857
0.041550485	0.316893344	7967	1	0	0	12.53846154	12.0952381
0.037409312	0.316893344	7969	1	0	0	11.46153846	10.19047619
0.003271626	0.316893344	7974	1	0	0	13.15384615	12.52380952
0.046239733	0.316893344	7975	2	0	0	12.30769231	11.19047619
0.043273823	0.316893344	7978	5	0	0	11.69230769	12.3047619
0.033993543	0.316893344	7986	14	0	0	12.45604396	11.86394558
0.042284174	0.316893344	7987	13	0	0	10.33136095	10.05494505
0.040715068	0.316893344	7989	1	0	0	12.53846154	12.23809524

0.040715068	0.316893344	7989	1	0	0	12.53846154	12.23809524
0.069716168	0.316893344	7992	8	0	0	12.30769231	12.25595238
0.052416579	0.316893344	7994	1	0	0	12.84615385	11.04761905
0.067770797	0.316893344	7995	1	0	0	16.46153846	14
0.010256549	0.316893344	7999	10	0	0	12.93076923	12.24285714
0.025205143	0.316893344	8001	9	0	0	12.64957265	12.35978836
0.025205143	0.316893344	8001	9	0	0	12.64957265	12.35978836
0.017245005	0.316893344	8008	1	0	0	14.30769231	12.57142857
0.003816	0.316893344	8014	2	0	0	11.30769231	12.30952381
0.002845753	0.316893344	8016	1	0	0	11.84615385	11.95238095
0.021862551	0.316893344	8023	11	0	0	10.58741259	10.77056277
0.037563868	0.316893344	8030	11	0	0	12.65034965	11.97835498
0.023300704	0.316893344	8036	2	0	0	16.96153846	18.71428571
0.023300704	0.316893344	8036	2	0	0	16.96153846	18.71428571
0.015268483	0.316893344	8038	1	0	0	15	13.61904762
0.001584201	0.316893344	8039	1	0	0	12.23076923	12.61904762
0.037808191	0.316893344	8042	1	0	0	14.61538462	13.80952381
0.013259924	0.316893344	8044	4	0	0	12.11538462	12.33333333
0.061083825	0.316893344	8055	4	0	0	12.44230769	12.27380952
0.008198173	0.316893344	8060	7	0	0	12.6043956	11.52380952
0.056997239	0.316893344	8065	11	0	0	12.86013986	12.28138528
0.025119662	0.316893344	8071	2	0	0	12.03846154	11.54761905
0.008775278	0.316893344	8072	2	0	0	11.92307692	11.78571429
0.017231082	0.316893344	8083	14	0	0	12.32967033	11.65306122
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0.019197635	0.316893344	8086	2	0	0	13.80769231	14.66666667
0.014582115	0.316893344	8088	1	0	0	7.307692308	7
0.070427252	0.316893344	8105	1	0	0	10.53846154	11.19047619
0.028019111	0.316893344	8111	12	0	0	11.67307692	11.78571429
0.044606955	0.316893344	8112	1	0	0	10.46153846	10.66666667
0.040790355	0.316893344	8116	1	0	0	13.53846154	12.52380952
0.063649248	0.316893344	8117	17	0	0	10.93665158	10.54621849
0.070529058	0.316893344	8124	2	0	0	13.30769231	12.64285714
0.06658337	0.316893344	8124	1	0	0	14.07692308	15.85714286

0.023421002	0.316893344	8132	1	0	0	13.15384615	12.33333333
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0.070719887	0.316893344	8149	2	0	0	13.42307692	13.88095238
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0.04282938	0.316893344	8163	7	0	0	12.97802198	12.59863946
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0.058739352	0.316893344	8337	7	0	0	12	12.31972789
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0.036269892	0.316893344	8488	7	0	0	12.58241758	12.16326531
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0.014169188	0.316893344	8632	1	0	0	14.07692308	13.23809524
0.054871462	0.316893344	8633	12	0	0	11.80128205	11.36904762
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0.016235404	0.316893344	8721	1	0	0	12	12.52380952
0.074562843	0.316893344	8729	1	0	0	13.76923077	12.0952381
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Dataset 3. Placenta samples PTB Low Protein vs Normal

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ENSG00000183706	chr15	22093022	22095021	OR4N4		283694	0.581584073	0.223511954	0.358072119
ENSG00000073734	chr2	169030825	169032824	ABCB11		8647	0.289916809	0.61060364	-0.320686831
ENSG00000239440	chr3	81984638	81986637	LINC02008		105377180	0.322687158	0.656673064	-0.333985906
ENSG00000255629	chr12	64147358	64149357	NA	NA		0.321455762	0.650946058	-0.329490296
ENSG00000250359	chr5	86086026	86088025	PTP4A1P4	NA		0.268765212	0.540919117	-0.272153906
ENSG00000259788	chr1	162560809	162562808	UAP1-DT	NA		0.292570176	0.572033231	-0.279463055
ENSG00000233427	chr1	28876837	28878836	NA	NA		0.312607728	0.610503001	-0.297895273
ENSG00000259294	chr7	101824230	101826229	NA	NA		0.12937676	0.104807497	0.024569262
ENSG00000251546	chr2	89860982	89862981	IGKV1D-39	NA		0.286850999	0.557010836	-0.270159837
ENSG00000136193	chr7	29989790	29991789	SCRN1		9805	0.604263536	0.273156018	0.331107518
ENSG00000249066	chr4	60749075	60751074	LINC02496		105377248	0.564237703	0.290371572	0.273866131
ENSG00000121933	chr1	111563463	111565462	TMIGD3		57413	0.500873385	0.256095267	0.244778118
ENSG00000279840	chr12	47962970	47964969	NA	NA		0.678922194	0.355265581	0.323656613
ENSG00000230154	chr2	11306525	11308524	AIDAP1	NA		0.640533278	0.322951991	0.317581287
ENSG00000259941	chr15	56396286	56398285	NA	NA		0.629247504	0.330334551	0.298912954
ENSG00000213047	chr1	197775197	197777196	DENND1B		163486	0.550433883	0.288443152	0.261990731
ENSG00000235056	chr2	195025871	195027870	NA	NA		0.632917402	0.333070814	0.299846588
ENSG00000249105	chr4	58117571	58119570	NA	NA		0.681055424	0.360056806	0.320998619
ENSG00000164989	chr9	15551543	15553542	CCDC171		203238	0.628778578	0.332420651	0.296357927
ENSG00000225487	chr1	164921130	164923129	RPL35AP7	NA		0.576675311	0.305880482	0.270794829
ENSG00000104237	chr8	54507922	54509921	RP1		6101	0.557979337	0.298652404	0.259326933
ENSG00000250643	chr3	129968795	129970794	NA	NA		0.557374262	0.270361984	0.287012278
ENSG00000286639	chr7	10239364	10241363	NA	NA		0.630771737	0.338201156	0.29257058
ENSG00000135298	chr6	68633782	68635781	ADGRB3		577	0.518504449	0.268140599	0.25036385
ENSG00000126653	chr17	30114021	30116020	NSRP1		84081	0.635762035	0.304589656	0.33117238
ENSG00000145780	chr5	115544276	115546275	FEM1C		56929	0.596051476	0.320808058	0.275243418
ENSG00000241119	chr2	233670398	233672397	UGT1A9		54600	0.335024971	0.616960662	-0.281935691
ENSG00000211701	chr7	38367670	38369669	TRGV1	NA		0.346808349	0.642364766	-0.295556417
ENSG00000284999	chr6	105892542	105894541	NA	NA		0.29838841	0.580465236	-0.282076826
ENSG00000260468	chr16	10527703	10529702	LINC01290		106144584	0.362904318	0.670469479	-0.30756516
ENSG00000108100	chr10	35245525	35247524	CCNY		219771	0.326793961	0.60023464	-0.273440679
ENSG00000176040	chr3	112033236	112035235	TMPRSS7		344805	0.374969892	0.687243044	-0.312273152
ENSG00000135517	chr12	56468667	56470666	MIP		4284	0.29790057	0.54409924	-0.246198669

ENSG00000249846	chr3	130110169	130112168	LINC02021		105374104	0.368329237	0.674230698	-0.30590146
ENSG00000254974	chr11	74485552	74487551	NA	NA		0.362536644	0.660014918	-0.297478275
ENSG00000232153	chr2	34822227	34824226	NA	NA		0.345659965	0.631864537	-0.286204572
ENSG00000289519	chr3	52899846	52901845	NA	NA		0.33339288	0.594913773	-0.261520893
ENSG00000180376	chr3	56555661	56557660	CCDC66		285331	0.305146832	0.558099556	-0.252952724
ENSG00000226445	chr6	169211754	169213753	THBS2-AS1	NA		0.358331388	0.653896091	-0.295564704
ENSG00000265253	chr3	113593376	113595375	MIR4446		100616476	0.327054581	0.625775322	-0.298720741
ENSG00000119231	chr3	196866356	196868355	SENP5		205564	0.349464131	0.631919681	-0.28245555
ENSG00000148229	chr9	113410176	113412175	POLE3		54107	0.345817483	0.624226433	-0.27840895
ENSG00000185420	chr1	246506813	246508812	SMYD3		64754	0.278329841	0.539006439	-0.260676598
ENSG00000288967	chr5	12623475	12625474	NA	NA		0.339370568	0.611591174	-0.272220606
ENSG00000136488	chr17	63896162	63898161	CSH1	1442;1444		0.297222104	0.585404912	-0.288182808
ENSG00000151148	chr12	109475902	109477901	UBE3B		89910	0.354859043	0.634770659	-0.279911616
ENSG00000287794	chr5	122372012	122374011	NA	NA		0.34277562	0.610918632	-0.268143012
ENSG00000232479	chr2	202923109	202925108	KRT8P52	NA		0.366747469	0.652584991	-0.285837522
ENSG00000263723	chr2	237868404	237870403	NA		124900521	0.382954608	0.678917544	-0.295962935
ENSG00000091513	chr3	133744540	133746539	TF		7018	0.326724134	0.579089518	-0.252365384
ENSG00000090539	chr3	184378554	184380553	CHRD		8646	0.347125223	0.626483952	-0.279358729
ENSG00000286208	chr2	131553507	131555506	NA	NA		0.30379902	0.538681292	-0.234882273
ENSG00000135597	chr6	138987762	138989761	REPS1		85021	0.35039903	0.619976504	-0.269577474
ENSG00000291187	chr9	27284370	27286369	REXO6P		158035	0.357532362	0.632419891	-0.274887529
ENSG00000274139	chr15	101495068	101497067	NA	NA		0.326374265	0.577228698	-0.250854433
ENSG00000170153	chr4	141212378	141214377	RNF150		57484	0.331003029	0.585121752	-0.254118723
ENSG00000250337	chr5	27216214	27218213	PURPL		643401	0.315967013	0.620794701	-0.304827688
ENSG00000248458	chr1	66676528	66678527	NA	NA		0.340271676	0.600572287	-0.260300611
ENSG00000231552	chr3	32621403	32623402	IGBP1P3	NA		0.351406077	0.634589773	-0.283183697
ENSG00000238062	chr2	230995533	230997532	SPATA3-AS1		348761	0.344959055	0.608303329	-0.263344274
ENSG00000197275	chr8	94474616	94476615	RAD54B		25788	0.319094686	0.601324309	-0.282229623
ENSG00000225884	chr2	191791297	191793296	NA		729254	0.376737981	0.657866296	-0.281128315
ENSG00000255642	chr12	63820521	63822520	PABPC1P4	NA		0.397913902	0.698173629	-0.300259727
ENSG00000138769	chr4	75630217	75632216	CDKL2		8999	0.373889297	0.655218707	-0.28132941
ENSG00000133678	chr10	80077146	80079145	TMEM254		80195	0.347738734	0.609723326	-0.261984592
ENSG00000258622	chr14	42657419	42659418	NA	NA		0.198244606	0.423790646	-0.22554604
ENSG00000256734	chr11	18450369	18452368	NA	NA		0.386979859	0.664621774	-0.277641916

ENSG00000114771	chr3	151812573	151814572	AADAC		13	0.315637163	0.567382092	-0.251744928
ENSG00000119508	chr9	99820355	99822354	NR4A3		8013	0.371955273	0.647473055	-0.275517781
ENSG00000257809	chr12	56157721	56159720	MYL6B-AS1	NA		0.390451861	0.653047456	-0.262595595
ENSG00000289201	chr4	24472452	24474451	NA	NA		0.392106647	0.683031102	-0.290924455
ENSG00000291010	chr13	52193966	52195965	NA		100887750	0.375822833	0.654088258	-0.278265425
ENSG00000226726	chr2	221531168	221533167	TMEM256P2	NA		0.33036366	0.583128755	-0.252765095
ENSG00000278959	chr7	93956020	93958019	NA	NA		0.297487791	0.521497642	-0.224009851
ENSG00000253143	chr8	70480124	70482123	NA	NA		0.36584284	0.641573592	-0.275730752
ENSG00000087077	chr7	100865887	100867886	TRIP6		7205	0.359544181	0.622511386	-0.262967206
ENSG00000092529	chr15	42357998	42359997	CAPN3		825	0.608478265	0.351707587	0.256770678
ENSG00000233997	chr21	21745473	21747472	LINC01425		101927821	0.590037028	0.320364535	0.269672492
ENSG00000277895	chr12	64452402	64454401	NA	NA		0.573959482	0.331726601	0.242232881
ENSG00000290550	chr5	86280960	86282959	NA	NA		0.636713047	0.369302729	0.267410319
ENSG00000171596	chr2	231529946	231531945	NMUR1		10316	0.491716275	0.264822638	0.226893637
ENSG00000188234	chr10	45853376	45855375	AGAP4		119016	0.596172386	0.346628697	0.249543689
ENSG00000276521	chr11	102966129	102968128	NA	NA		0.607346388	0.35219055	0.255155838
ENSG00000286995	chr7	49522708	49524707	NA	NA		0.627078456	0.363764494	0.263313962
ENSG00000226952	chr1	100097739	100099738	NA	NA		0.579173206	0.342509356	0.236663849
ENSG00000205476	chr14	99603708	99605707	CCDC85C		317762	0.622411461	0.361559401	0.26085206
ENSG00000289581	chr1	183873011	183875010	NA	NA		0.595393613	0.333527898	0.261865715
ENSG00000198756	chr1	184037230	184039229	COLGALT2		23127	0.595393613	0.333527898	0.261865715
ENSG00000180233	chr7	30283097	30285096	ZNRF2		223082	0.602294543	0.350347963	0.25194658
ENSG00000282978	chr3	101457233	101459232	BTF3P16	NA		0.618215988	0.362101132	0.256114856
ENSG00000207952	chr14	31014243	31016242	MIR624		693209	0.580977356	0.338956541	0.242020815
ENSG00000256777	chr12	66276152	66278151	PDCL3P7	NA		0.648237423	0.379496767	0.268740657
ENSG00000264630	chr17	66416355	66418354	PRKCA-AS1	NA		0.698931133	0.406976618	0.291954515
ENSG00000206842	chr10	22785893	22787892	RNU6-413P	NA		0.615493476	0.360162073	0.255331403
ENSG00000083067	chr9	71446405	71448404	TRPM3		80036	0.567064436	0.323707918	0.243356518
ENSG00000163110	chr4	94450357	94452356	PDLIM5		10611	0.602512171	0.352758696	0.249753475
ENSG00000250363	chr4	115919207	115921206	KRT18P21	NA		0.579144421	0.339032505	0.240111916
ENSG00000254558	chr11	89865051	89867050	ANKRD33BP8	NA		0.595637686	0.348854832	0.246782854
ENSG00000115380	chr2	55923640	55925639	EFEMP1		2202	0.675405313	0.396200457	0.279204855
ENSG00000147613	chr8	86088122	86090121	PSKH2		85481	0.581670528	0.31000343	0.271667098
ENSG00000257302	chr12	70670418	70672417	FAHD2P1	NA		0.600283679	0.351824544	0.248459135

ENSG00000289179	chr4	174213975	174215974	NA	NA		0.626651957	0.37640858	0.250243377
ENSG00000064225	chr3	98730736	98732735	ST3GAL6		10402	0.616697421	0.314725519	0.301971902
ENSG00000225742	chr3	194249704	194251703	LINC02036	NA		0.587013255	0.303677262	0.283335993
ENSG00000237444	chr21	25031030	25033029	NA	NA		0.593218472	0.359294847	0.233923625
ENSG00000225148	chr6	139876892	139878891	NA	NA		0.606283741	0.356546559	0.249737182
ENSG00000080618	chr13	46104534	46106533	CPB2		1361	0.579641683	0.346938734	0.232702949
ENSG00000173175	chr3	123448591	123450590	ADCY5		111	0.474502442	0.215231047	0.259271395
ENSG00000251889	chr2	48340327	48342326	RNU4-49P	NA		0.652823768	0.404858528	0.24796524
ENSG00000279168	chr7	102678796	102680795	NA	NA		0.654666271	0.386438289	0.268227982
ENSG00000201672	chr14	100934991	100936990	SNORD113-4		767564	0.580622407	0.344157037	0.23646537
ENSG00000249919	chr5	119555159	119557158	FABP5P6	NA		0.608693763	0.35942214	0.249271622
ENSG00000286486	chr1	244085806	244087805	NA	NA		0.587835842	0.347137998	0.240697844
ENSG00000225944	chr13	74827053	74829052	RIOK3P1	NA		0.643998365	0.370901521	0.273096844
ENSG00000163466	chr2	218215641	218217640	ARPC2		10109	0.544875422	0.304172416	0.240703006
ENSG00000290426	chr15	78659144	78661143	NA	NA		0.627867987	0.3720278	0.255840188
ENSG00000267583	chr18	35466589	35468588	ZNF24TR	NA		0.600722855	0.317919919	0.282802935
ENSG00000287953	chr7	54257078	54259077	NA	NA		0.616835858	0.339378179	0.277457679
ENSG00000172238	chr4	93827253	93829252	ATOH1		474	0.560787231	0.247316039	0.313471192
ENSG00000270959	chr3	188153570	188155569	LPP-AS2		339929	0.59567035	0.353977288	0.241693061
ENSG00000250100	chr4	69129851	69131850	NA	NA		0.638235935	0.378917697	0.259318239
ENSG00000121892	chr4	39977457	39979456	PDS5A		23244	0.699847318	0.400495927	0.299351391
ENSG00000240355	chr7	46477441	46479440	NA	NA		0.651122454	0.379802756	0.271319699
ENSG00000259250	chr15	58586007	58588006	NA	NA		0.668787025	0.365766816	0.303020209
ENSG00000243095	chr8	39158202	39160201	RPL3P10	NA		0.616623074	0.366667975	0.249955099
ENSG00000200036	chr1	167004459	167006458	RNA5SP65	NA		0.640638173	0.391126111	0.249512061
ENSG00000285742	chr13	84061606	84063605	NA	NA		0.551412345	0.329682499	0.221729846
ENSG00000253712	chr8	75176157	75178156	LINC02886	NA		0.59004664	0.326326038	0.263720602
ENSG00000284645	chr1	50251069	50253068	NA	NA		0.550100053	0.315901401	0.234198653
ENSG00000242299	chr3	101576448	101578447	RPS18P5	NA		0.612125189	0.370913624	0.241211565
ENSG00000249290	chr3	140459852	140461851	NA	NA		0.627726382	0.374431039	0.253295343
ENSG00000200170	chr10	72219252	72221251	NA	NA		0.555394846	0.330857769	0.224537077
ENSG00000261529	chr15	25346736	25348735	NA	NA		0.572710886	0.347527071	0.225183815
ENSG00000236226	chr7	103028604	103030603	NA	NA		0.667585277	0.369671593	0.297913684
ENSG00000167014	chr15	44955187	44957186	TERB2		145645	0.606758339	0.365670243	0.241088095

ENSG00000213701	chr5	97056859	97058858	SETP22	NA		0.534042604	0.319131691	0.214910912
ENSG00000176386	chr9	113275073	113277072	CDC26		246184	0.471083058	0.245225613	0.225857445
ENSG00000105835	chr7	106285467	106287466	NAMPT		10135	0.645268609	0.394330358	0.250938252
ENSG00000064651	chr5	128082266	128084265	SLC12A2		6558	0.605880702	0.345887753	0.25999295
ENSG00000113196	chr5	154477728	154479727	HAND1		9421	0.424096609	0.210164006	0.213932604
ENSG00000222370	chr1	220200177	220202176	SNORA36B		677818	0.526790023	0.287613291	0.239176733
ENSG00000075624	chr7	5563403	5565402	ACTB		60	0.531341893	0.31890882	0.212433073
ENSG00000286552	chr1	38148044	38150043	NA	NA		0.640142984	0.385094294	0.25504869
ENSG00000287987	chr1	38192119	38194118	NA	NA		0.640142984	0.385094294	0.25504869
ENSG00000185697	chr8	66613748	66615747	MYBL1		4603	0.67735775	0.413191871	0.264165878
ENSG00000273637	chr1	38873995	38875994	NA	NA		0.60372747	0.352847306	0.250880163
ENSG00000251413	chr10	48624594	48626593	NA	NA		0.598436231	0.349931812	0.248504418
ENSG00000188981	chr4	3242869	3244868	MSANTD1		345222	0.526225546	0.291209075	0.235016472
ENSG00000212559	chr13	94025099	94027098	RNA5SP35	NA		0.647707448	0.387037744	0.260669704
ENSG00000227206	chr6	29122710	29124709	NA	NA		0.508302971	0.298395207	0.209907763
ENSG00000226717	chr9	10611702	10613701	PTPRD-DT		101929428	0.591987723	0.344284008	0.247703715
ENSG00000173930	chr5	102295785	102297784	SLCO4C1		353189	0.612856904	0.372411217	0.240445687
ENSG00000206692	chr1	171253523	171255522	NA	NA		0.630734129	0.383037032	0.247697097
ENSG00000263436	chr10	101599917	101601916	MIR3158-1		100422900	0.718055809	0.437745497	0.280310312
ENSG00000287871	chr2	122504619	122506618	NA	NA		0.639218342	0.386685002	0.25253334
ENSG00000112335	chr6	108260747	108262746	SNX3		8724	0.6047791	0.349136868	0.255642232
ENSG00000164342	chr4	186067411	186069410	TLR3		7098	0.618489659	0.375741105	0.242748554
ENSG00000089505	chr16	66564893	66566892	CMTM1		113540	0.648561401	0.388721726	0.259839675
ENSG00000200874	chr7	75512627	75514626	NA	NA		0.637938854	0.385448918	0.252489936
ENSG00000293504	chr5	137799693	137801692	NA		4888	0.630310813	0.381743192	0.248567621
ENSG00000241095	chr3	82807522	82809521	CYP51A1P1	NA		0.627471578	0.381253233	0.246218345
ENSG00000211643	chr22	22317227	22319226	IGLV5-52	NA		0.604055704	0.352646414	0.25140929
ENSG00000199094	chr6	71376532	71378531	MIR30C2		407032	0.628704528	0.381358601	0.247345927
ENSG00000165271	chr9	33473431	33475430	NOL6		65083	0.584691251	0.297472652	0.287218598
ENSG00000258172	chr12	94276696	94278695	NA	NA		0.665533779	0.403932728	0.261601051
ENSG00000204121	chr2	232419317	232421316	ECEL1P1	NA		0.601364047	0.387030069	0.214333978
ENSG00000252639	chr10	27193001	27195000	RNU2-24P	NA		0.655861308	0.398712654	0.257148654
ENSG00000135090	chr12	118372408	118374407	TAOK3		51347	0.659087171	0.344056228	0.315030943
ENSG00000214283	chr3	136899577	136901576	RAD51AP1P1	NA		0.60886723	0.369495922	0.239371308

ENSG00000227145	chr4	122617483	122619482	IL21-AS1		100996941	0.591287465	0.364511037	0.226776427
ENSG00000236914	chr15	38072491	38074490	LINC01852		107984773	0.556946218	0.337480788	0.219465429
ENSG00000249474	chr3	101824499	101826498	NA	NA		0.626875384	0.380706085	0.246169299
ENSG00000112367	chr6	109689109	109691108	FIG4		9896	0.666459868	0.407450136	0.259009732
ENSG00000163584	chr3	170869709	170871708	RPL22L1		200916	0.660370761	0.401377071	0.25899369
ENSG00000213560	chr1	78089999	78091998	NA	NA		0.6227679	0.378342725	0.244425174
ENSG00000091651	chr16	46688143	46690142	ORC6		23594	0.619034696	0.368232112	0.250802584
ENSG00000224667	chr7	12504507	12506506	NA	NA		0.612256747	0.375637599	0.236619148
ENSG00000183036	chr21	39865938	39867937	PCP4		5121	0.589289412	0.341989753	0.247299658
ENSG00000271350	chr11	47041446	47043445	NA	NA		0.621100086	0.382428212	0.238671874
ENSG00000288853	chr11	78313296	78315295	NA	NA		0.49616443	0.288808937	0.207355493
ENSG00000186479	chr5	64504515	64506514	RGS7BP		401190	0.618907756	0.3773107	0.241597055
ENSG00000173588	chr12	94459489	94461488	CEP83		51134	0.715172939	0.436262256	0.278910683
ENSG00000229425	chr21	15626843	15628842	NA	101927745;105369302		0.592621947	0.3498781	0.242743847
ENSG00000075884	chr2	143089862	143091861	ARHGAP15		55843	0.663023164	0.409360544	0.25366262
ENSG00000233968	chr10	19728063	19730062	NA		101928834	0.629138308	0.390483004	0.238655304
ENSG00000279717	chr19	15903056	15905055	NA	NA		0.67677636	0.391392841	0.285383519
ENSG00000266745	chr3	20136065	20138064	MIR3135A		100422901	0.627216268	0.381617195	0.245599073
ENSG00000197037	chr7	99615446	99617445	ZSCAN25		221785	0.547258634	0.332347421	0.214911213
ENSG00000122877	chr10	62818668	62820667	EGR2		1959	0.655830375	0.405681397	0.250148978
ENSG00000289488	chr2	158543574	158545573	NA	NA		0.66651176	0.412758625	0.253753136
ENSG00000165023	chr9	90642363	90644362	DIRAS2		54769	0.497968703	0.292597943	0.20537076
ENSG00000256273	chr12	68343164	68345163	NA	NA		0.671408199	0.380526609	0.29088159
ENSG00000272692	chr10	75407642	75409641	NA	NA		0.615927954	0.378419644	0.23750831
ENSG00000223951	chr2	33062614	33064613	H2ACP2	NA		0.715624174	0.440342762	0.275281412
ENSG00000205318	chr6	10632262	10634261	GCNT2P1	NA		0.626850938	0.397802004	0.229048934
ENSG00000287421	chr3	106158917	106160916	NA	NA		0.583245841	0.359519164	0.223726678
ENSG00000280420	chr5	134522597	134524596	NA	NA		0.642261596	0.397930563	0.244331033
ENSG00000242145	chr3	81208415	81210414	NA	NA		0.503203785	0.298157662	0.205046123
ENSG00000261457	chr16	31804366	31806365	NA	NA		0.614465394	0.378371852	0.236093541
ENSG00000234595	chr2	181681613	181683612	NA	NA		0.64238537	0.385297202	0.257088168
ENSG00000212257	chr1	65022575	65024574	RNU6-1176P	NA		0.632263785	0.399170375	0.23309341
ENSG00000207425	chr16	14915057	14917056	NA	NA		0.691054886	0.426486264	0.264568622
ENSG00000200369	chr10	27313620	27315619	RNU6-666P	NA		0.631766341	0.390163039	0.241603302

ENSG00000250190	chr4	28994998	28996997	LINC02364	NA		0.59232613	0.358389007	0.233937123
ENSG00000135617	chr2	73232740	73234739	PRADC1		84279	0.659629945	0.407743531	0.251886414
ENSG00000153827	chr2	229922740	229924739	TRIP12		9320	0.57459427	0.349619206	0.224975064
ENSG00000060138	chr12	10722824	10724823	YBX3		8531	0.612637313	0.379271944	0.233365369
ENSG00000104375	chr8	98942328	98944327	STK3		6788	0.652115361	0.403610239	0.248505122
ENSG00000248652	chr5	57081452	57083451	NA	NA		0.574101795	0.354493043	0.219608752
ENSG00000212664	chr15	71341213	71343212	RPL17P39	NA		0.690150993	0.427093218	0.263057776
ENSG00000258942	chr14	51385104	51387103	NA	NA		0.601491667	0.373255937	0.22823573
ENSG00000108389	chr17	58517406	58519405	MTMR4		9110	0.522381589	0.318631897	0.203749692
ENSG00000207962	chr1	40755784	40757783	MIR30C1		407031	0.623059437	0.385744579	0.237314858
ENSG00000234318	chr1	62894509	62896508	NA	NA		0.635470222	0.393809818	0.241660404
ENSG00000289243	chr4	128652373	128654372	NA	NA		0.576026093	0.358162346	0.217863747
ENSG00000206536	chr3	98389166	98391165	OR5K3		403277	0.641049288	0.383734793	0.257314495
ENSG00000261596	chr16	21625242	21627241	NA	NA		0.649197031	0.379718205	0.269478826
ENSG00000249934	chr4	88509904	88511903	NCOA4P2	NA		0.571944209	0.320190857	0.251753352
ENSG00000230192	chr7	109658594	109660593	NA	NA		0.575405507	0.357017362	0.218388144
ENSG00000287087	chr5	53895964	53897963	NA	NA		0.640599076	0.404382968	0.236216108
ENSG00000229865	chr13	78421323	78423322	RPL31P54	NA		0.558835492	0.346881119	0.211954373
ENSG00000229373	chr13	113886806	113888805	LINC00452		643365	0.541387111	0.33921391	0.202173201
ENSG00000259764	chr15	101332937	101334936	PCSK6-AS1		105371027	0.608268336	0.382100307	0.226168029
ENSG00000284934	chr12	122227035	122229034	NA		128125816	0.527651858	0.288288435	0.239363423
ENSG00000260640	chr8	97241705	97243704	NA	NA		0.63943769	0.39998794	0.23944975
ENSG00000226566	chr9	103429393	103431392	NA	NA		0.551797372	0.344390028	0.207407344
ENSG00000233328	chr1	171670440	171672439	PFN1P1	NA		0.679742519	0.429174235	0.250568285
ENSG00000257139	chr12	70178838	70180837	LINC02821	NA		0.602219762	0.38255867	0.219661093
ENSG00000290683	chr1	247210357	247212356	NA	NA		0.683938377	0.435966093	0.247972284
ENSG00000181214	chr11	124223232	124225231	OR8G2P		26492	0.55964159	0.29904321	0.26059838
ENSG00000272595	chr7	5115635	5117634	OR10AH1P	NA		0.56697294	0.352993841	0.213979099
ENSG00000283428	chr2	224715866	224717865	CCDC195		110806281	0.644037777	0.402699016	0.241338761
ENSG00000231426	chr6	139676139	139678138	FILNC1	NA		0.642030509	0.409931402	0.232099107
ENSG00000242206	chr8	118761702	118763701	RPS26P35	NA		0.668246543	0.418218497	0.250028045
ENSG00000222658	chr9	12883821	12885820	NA	NA		0.625745915	0.391516407	0.234229508
ENSG00000054282	chr1	243254534	243256533	SDCCAG8		10806	0.681002783	0.426583325	0.254419458
ENSG00000133121	chr13	33350131	33352130	STARD13		90627	0.626648854	0.392310351	0.234338504

ENSG00000254348	chr8	47187805	47189804	NA	NA	0.579945494	0.332507764	0.24743773	
ENSG00000258639	chr14	48043981	48045980	NA	NA	0.59946719	0.3555309	0.24393629	
ENSG00000266801	chr16	68932320	68934319	NA	NA	0.498051561	0.298294881	0.199756679	
ENSG00000240040	chr2	88861064	88863063	NA	NA	0.649082368	0.41618074	0.232901628	
ENSG00000272986	chr4	70703992	70705991	NA	NA	0.637550782	0.411663961	0.225886821	
ENSG00000251575	chr5	61735216	61737215	C5orf64-AS1		100506526	0.670986117	0.422441669	0.248544448
ENSG00000275823	chr1	63548867	63550866	NA	NA	0.61105228	0.367111081	0.243941199	
ENSG00000288591	chr12	64757996	64759995	NA	NA	0.552285011	0.346034503	0.206250508	
ENSG00000258583	chr14	58645131	58647130	LINC01500	NA	0.594071378	0.372622086	0.221449292	
ENSG00000289277	chr15	44287909	44289908	NA	NA	0.559361692	0.350861229	0.208500463	
ENSG00000133858	chr12	71667226	71669225	ZFC3H1		196441	0.644237631	0.404670027	0.239567604
ENSG00000248104	chr4	135566658	135568657	TARS2P1	NA		0.626863447	0.397800258	0.22906319
ENSG00000264712	chr14	50299447	50301446	MIR4504		100616261	0.650673445	0.408921729	0.241751715
ENSG00000237087	chr2	232420962	232422961	NA	NA		0.683483894	0.429966506	0.253517389
ENSG00000237655	chr2	177601589	177603588	NA	NA		0.614011923	0.374726739	0.239285184
ENSG00000237053	chr2	176805838	176807837	FUCA1P1	NA		0.720117078	0.45332287	0.266794209
ENSG00000250555	chr5	88691151	88693150	NA	NA		0.602342942	0.323953009	0.278389933
ENSG00000184486	chr6	98833074	98835073	POU3F2		5454	0.591532251	0.371794949	0.219737302
ENSG00000223883	chr1	69054338	69056337	LINC01707		105378785	0.634131092	0.403520603	0.230610489
ENSG00000144893	chr3	151083786	151085785	MED12L		116931	0.563587006	0.355279632	0.208307374
ENSG00000156427	chr5	171418147	171420146	FGF18		8817	0.644809249	0.415925475	0.228883775
ENSG00000266194	chr8	91203985	91205984	MIR4661		100616245	0.672224393	0.423831032	0.248393361
ENSG00000289242	chr8	81159897	81161896	NA	NA		0.526180073	0.248902188	0.277277885
ENSG00000272425	chr8	81277071	81279070	NA	NA		0.526180073	0.248902188	0.277277885
ENSG00000265315	chr17	46536034	46538033	RN7SL199P	NA		0.672793929	0.423886337	0.248907592
ENSG00000232300	chr17	46562296	46564295	FAM215B	NA		0.672793929	0.423886337	0.248907592
ENSG00000105877	chr7	21541539	21543538	DNAH11		8701	0.527730466	0.329089734	0.198640732
ENSG00000199515	chr22	41065147	41067146	NA	NA		0.661604928	0.416921073	0.244683855
ENSG00000225217	chr1	161604791	161606790	HSPA7	NA		0.64248483	0.410321477	0.232163353
ENSG00000257378	chr12	49955626	49957625	NA	NA		0.630113994	0.38120266	0.248911334
ENSG00000225182	chr2	166889385	166891384	NA	NA		0.643982739	0.399949033	0.244033705
ENSG00000287378	chr3	100259765	100261764	NA	NA		0.653090472	0.412753454	0.240337018
ENSG00000117691	chr1	212431420	212433419	NENF		29937	0.607985333	0.321657404	0.286327929
ENSG00000226655	chr4	123745174	123747173	NA	NA		0.539403236	0.338058971	0.201344265

ENSG00000166896	chr12	57904539	57906538	ATP23		91419	0.640222453	0.345897344	0.294325109
ENSG00000207267	chr2	11232488	11234487	RNU6-1081P	NA		0.656612525	0.422200791	0.234411734
ENSG00000261635	chr15	36611974	36613973	NA	NA		0.619972586	0.374712914	0.245259672
ENSG00000215606	chr3	141471403	141473402	KRT18P35	NA		0.621638875	0.398462728	0.223176147
ENSG00000283281	chr4	21464259	21466258	MIR7978		102465859	0.593162144	0.352130503	0.241031641
ENSG00000222858	chr17	29641203	29643202	RNU6-920P	NA		0.644045626	0.407120405	0.236925221
ENSG00000265625	chr17	29645348	29647347	NA	NA		0.644045626	0.407120405	0.236925221
ENSG00000238246	chr10	20091285	20093284	NA	NA		0.595735752	0.343427957	0.252307796
ENSG00000207361	chr8	28414948	28416947	RNU6-178P	NA		0.647950061	0.413004213	0.234945848
ENSG00000164741	chr8	13604111	13606110	DLC1		10395	0.512323418	0.279650816	0.232672601
ENSG00000235617	chr22	18100112	18102111	NA	NA		0.739597741	0.468908293	0.270689449
ENSG00000231449	chr3	37194704	37196703	RPS16P4	NA		0.653683192	0.414365054	0.239318138
ENSG00000213853	chr16	10580133	10582132	EMP2		2013	0.617185286	0.383141188	0.234044097
ENSG00000256013	chr16	10527940	10529939	NA	NA		0.617185286	0.383141188	0.234044097
ENSG00000260310	chr16	10577684	10579683	NA	NA		0.617185286	0.383141188	0.234044097
ENSG00000153060	chr16	10694431	10696430	TEKT5		146279	0.617185286	0.383141188	0.234044097
ENSG00000234117	chr6	116490797	116492796	NA	NA		0.59179906	0.370399337	0.221399723
ENSG00000272523	chr5	108727823	108729822	LINC01023	NA		0.5487094	0.295550004	0.253159396
ENSG00000164107	chr4	173529730	173531729	HAND2		9464	0.599995551	0.380418383	0.219577168
ENSG00000162576	chr1	1361278	1363277	MXRA8		54587	0.739110944	0.46969689	0.269414054
ENSG00000256568	chr11	73156446	73158445	NA	NA		0.65372747	0.381278645	0.272448825
ENSG00000285686	chr9	86707808	86709807	LINC02834		105376124	0.701834999	0.445877087	0.255957912
ENSG00000121690	chr11	33014376	33016375	DEPDC7		91614	0.621593317	0.395409098	0.226184219
ENSG00000176571	chr8	86864915	86866914	CNBD1		168975	0.346257013	0.54585553	-0.199598517
ENSG00000271022	chr11	121426917	121428916	NA	NA		0.408877767	0.643536368	-0.234658601
ENSG00000250328	chr5	122478588	122480587	NA		153163	0.41859075	0.647795176	-0.229204426
ENSG00000213225	chr2	130227879	130229878	NOC2LP1	NA		0.389679467	0.60717053	-0.217491063
ENSG00000075914	chr3	44973741	44975740	EXOSC7		23016	0.429854172	0.674459065	-0.244604892
ENSG00000206644	chr3	196393313	196395312	RNU6-1279P	NA		0.413881542	0.64542824	-0.231546697
ENSG00000286526	chr7	35379176	35381175	NA	NA		0.387572877	0.674276638	-0.286703761
ENSG00000230876	chr2	32823859	32825858	LINC00486		285045	0.367354048	0.563116482	-0.195762434
ENSG00000286914	chr6	112395865	112397864	NA	NA		0.414735638	0.647931726	-0.233196088
ENSG00000283333	chr3	176513603	176515602	MIR7977		102465858	0.405380995	0.645720593	-0.240339598
ENSG00000226617	chr13	72702193	72704192	RPL21P110	NA		0.241619996	0.437157191	-0.195537196

ENSG00000279499	chr13	30196382	30198381	NA	NA		0.376784982	0.589644344	-0.212859362
ENSG00000197617	chr1	247254472	247256471	VN1R5		317705	0.404360917	0.617107611	-0.212746694
ENSG00000163154	chr1	151155149	151157148	TNFAIP8L2		79626	0.399925613	0.596584563	-0.19665895
ENSG00000171862	chr10	87861138	87863137	PTEN		5728	0.420404022	0.656541884	-0.236137862
ENSG00000184588	chr1	65791014	65793013	PDE4B		5142	0.418439049	0.655489826	-0.237050777
ENSG00000250682	chr5	102671266	102673265	LINC00491	NA		0.405395627	0.635716022	-0.230320395
ENSG00000285954	chr1	53342531	53344530	NA	NA		0.381787536	0.616150978	-0.234363442
ENSG00000286893	chr15	99475815	99477814	NA	NA		0.300632218	0.542952048	-0.24231983
ENSG00000264188	chr18	21661896	21663895	NA	NA		0.426770064	0.668026563	-0.241256499
ENSG00000104047	chr15	49619537	49621536	DTWD1		56986	0.391088864	0.629357717	-0.238268853
ENSG00000253912	chr8	99803842	99805841	NA	NA		0.436503111	0.682864821	-0.24636171
ENSG00000196104	chr4	167234297	167236296	SPOCK3		50859	0.409257407	0.640545553	-0.231288146
ENSG00000273805	chr12	57892732	57894731	NA		101927608	0.403068956	0.630723763	-0.227654806
ENSG00000289030	chr19	29713805	29715804	NA	NA		0.380693658	0.646791506	-0.266097848
ENSG00000225355	chr10	36993523	36995522	ARL6IP1P2	NA		0.346639758	0.542967868	-0.19632811
ENSG00000178053	chr3	158569663	158571662	MLF1		4291	0.324402884	0.527855627	-0.203452743
ENSG00000116198	chr1	3856897	3858896	CEP104		9731	0.389424865	0.61169151	-0.222266644
ENSG00000253000	chr4	178116362	178118361	RNU1-45P	NA		0.376309718	0.6026217	-0.226311982
ENSG00000112175	chr6	55875091	55877090	BMP5		653	0.391809953	0.633502409	-0.241692456
ENSG00000250603	chr5	127857305	127859304	NA	NA		0.396424655	0.613769988	-0.217345333
ENSG00000218803	chr6	111047022	111049021	GSTM2P1	NA		0.455615293	0.714333506	-0.258718213
ENSG00000174485	chr15	65791794	65793793	DENND4A		10260	0.410680758	0.663302199	-0.252621441
ENSG00000251892	chr8	106729357	106731356	RNU7-84P	NA		0.369008423	0.562365227	-0.193356804
ENSG00000237645	chr3	173642731	173644730	TMEM229BP1	NA		0.410643094	0.646112137	-0.235469043
ENSG00000185055	chr7	105600376	105602375	EFCAB10		100130771	0.453448098	0.70649997	-0.253051872
ENSG00000223617	chr13	109280473	109282472	LINC00370	NA		0.406706776	0.634030243	-0.227323468
ENSG00000265313	chr17	59526447	59528446	LINC01476	NA		0.426218686	0.663786891	-0.237568206
ENSG00000206665	chr4	35494398	35496397	RNU6-573P	NA		0.338332228	0.531315142	-0.192982915
ENSG00000248360	chr4	14887670	14889669	LINC00504		201853	0.400748916	0.657903551	-0.257154635
ENSG00000259502	chr14	67609486	67611485	NA	NA		0.42257576	0.645622424	-0.223046664
ENSG00000206915	chr2	49233400	49235399	RNU6-439P	NA		0.380043463	0.588768433	-0.20872497
ENSG00000138767	chr4	77819116	77821115	CNOT6L		246175	0.432851022	0.67347774	-0.240626719
ENSG00000267227	chr17	15748816	15750815	NA	NA		0.425160497	0.641121758	-0.215961261
ENSG00000259021	chr10	79499485	79501484	TPRX1P1	NA		0.364729357	0.568249758	-0.2035204

ENSG00000107562	chr10	44385994	44387993	CXCL12		6387	0.410671336	0.605935586	-0.19526425
ENSG00000252944	chr6	104765322	104767321	RNU6-897P	NA		0.328489178	0.576874496	-0.248385318
ENSG00000163946	chr3	56682766	56684765	TASOR		23272	0.435171636	0.676585504	-0.241413867
ENSG00000099290	chr10	50066388	50068387	WASHC2A		387680	0.414525778	0.654879429	-0.240353651
ENSG00000198523	chr6	118546796	118548795	PLN		5350	0.381641866	0.595844945	-0.214203079
ENSG00000270661	chr6	112219071	112221070	NA	NA		0.420485197	0.661899419	-0.241414222
ENSG00000115263	chr2	162151905	162153904	GCG		2641	0.400627737	0.615180485	-0.214552747
ENSG00000263670	chr5	1308878	1310877	MIR4457		100616235	0.352061598	0.652803368	-0.30074177
ENSG00000289653	chr8	102863361	102865360	NA	NA		0.376554125	0.587387511	-0.210833386
ENSG00000287145	chr2	41714633	41716632	NA	NA		0.379845091	0.58917205	-0.209326959
ENSG00000134539	chr12	10224558	10226557	KLRD1		3824	0.345560118	0.575409874	-0.229849755
ENSG00000258972	chr14	73629975	73631974	NDUFB8P1	NA		0.427319145	0.664207456	-0.236888311
ENSG00000275359	chr7	116951198	116953197	NA	NA		0.408042585	0.632511969	-0.224469384
ENSG00000137727	chr11	110712690	110714689	ARHGAP20		57569	0.381362804	0.586681103	-0.205318299
ENSG00000233397	chr2	162090732	162092731	NA	NA		0.333967025	0.567008846	-0.233041822
ENSG00000258053	chr12	71117748	71119747	NA	NA		0.4011154	0.603365846	-0.202250446
ENSG00000214853	chr5	84999816	85001815	PPIAP79	NA		0.394900801	0.617861165	-0.222960364
ENSG00000202019	chr22	31229673	31231672	NA	NA		0.351853787	0.542733898	-0.190880111
ENSG00000121039	chr8	73293102	73295101	RDH10		157506	0.320068609	0.575017157	-0.254948548
ENSG00000170468	chr14	73489433	73491432	RIOX1		79697	0.374766218	0.649161205	-0.274394988
ENSG00000144746	chr3	69083437	69085436	ARL6IP5		10550	0.42608636	0.647111773	-0.221025413
ENSG00000286212	chr4	32021984	32023983	NA	NA		0.328419103	0.519041896	-0.190622793
ENSG00000241362	chr15	89687744	89689743	RPL36AP43	NA		0.468743486	0.722953438	-0.254209952
ENSG00000185278	chr1	173866582	173868581	ZBTB37		84614	0.38619625	0.687587235	-0.301390985
ENSG00000129347	chr19	10565532	10567531	KRI1		65095	0.465171135	0.717219874	-0.25204874
ENSG00000257784	chr12	41762644	41764643	LINC02400		101927038	0.45395929	0.699720097	-0.245760807
ENSG00000258896	chr14	60157476	60159475	SCOCP1	NA		0.323472386	0.601165541	-0.277693155
ENSG00000279304	chr11	93132355	93134354	NA	NA		0.420074488	0.641622389	-0.221547902
ENSG00000200502	chr9	37158637	37160636	NA	NA		0.278244505	0.478675714	-0.200431209
ENSG00000230975	chr2	80869691	80871690	NA	NA		0.334452372	0.524469126	-0.190016753
ENSG00000151422	chr5	108746341	108748340	FER		2241	0.415147664	0.627548347	-0.212400682
ENSG00000111897	chr6	122471308	122473307	SERINC1		57515	0.422054072	0.626853316	-0.204799244
ENSG00000234106	chr11	93533968	93535967	SRP14P2	NA		0.423381139	0.645735632	-0.222354493
ENSG00000218109	chr11	127001410	127003409	KIRREL3-AS3		283165	0.466425659	0.706497812	-0.240072153

ENSG00000258387	chr14	43591763	43593762	NA	NA		0.399306613	0.628422986	-0.229116374
ENSG00000225427	chr13	78839552	78841551	LINC00331	NA		0.38191747	0.623357462	-0.241439992
ENSG00000259022	chr14	35428760	35430759	DNAJC8P1	NA		0.375163858	0.575709851	-0.200545993
ENSG00000108187	chr10	68332550	68334549	PBLD		64081	0.382633319	0.604310043	-0.221676724
ENSG00000289727	chr2	32231886	32233885	NA	NA		0.387601687	0.646485073	-0.258883386
ENSG00000254020	chr8	92724612	92726611	NA	NA		0.422790394	0.643449911	-0.220659517
ENSG00000286746	chr13	81017238	81019237	NA	NA		0.337203211	0.52620899	-0.189005779
ENSG00000255725	chr12	25801798	25803797	TDGP1	NA		0.438223892	0.664413981	-0.226190089
ENSG00000121486	chr1	185156573	185158572	TRMT1L		81627	0.386157665	0.615518123	-0.229360458
ENSG00000259462	chr15	82646270	82648269	CPEB1-AS1		283692	0.391216341	0.631318304	-0.240101963
ENSG00000207023	chr6	73462573	73464572	RNU6-975P	NA		0.352513317	0.542132824	-0.189619508
ENSG00000226663	chr1	235540916	235542915	MTND4P10	NA		0.401127106	0.613147056	-0.21201995
ENSG00000174132	chr5	100533874	100535873	FAM174A		345757	0.445137027	0.67678519	-0.231648162
ENSG00000252537	chr10	16004308	16006307	NA	NA		0.407629774	0.624872697	-0.217242922
ENSG00000171481	chr9	122673630	122675629	OR1L3		26735	0.386593653	0.601821419	-0.215227766
ENSG00000241286	chr12	110841888	110843887	RPL29P25	NA		0.43459552	0.6661352	-0.23153968
ENSG00000225549	chr6	118781348	118783347	SELENOKP3	NA		0.409185809	0.627673676	-0.218487867
ENSG00000258886	chr14	30962847	30964846	HIGD1AP17	NA		0.165894324	0.354195112	-0.188300787
ENSG00000109270	chr4	99893929	99895928	LAMTOR3		8649	0.392446061	0.653005053	-0.260558991
ENSG00000291202	chr4	119454156	119456155	NA	NA		0.33110886	0.575269656	-0.244160797
ENSG00000276770	chr6	43433042	43435041	MIR6780B		102466746	0.409196261	0.682161596	-0.272965335
ENSG00000237082	chr13	100623930	100625929	COX5BP6	NA		0.404559393	0.641672774	-0.237113381
ENSG00000277881	chr6	29448710	29450709	NA	NA		0.445448616	0.674205034	-0.228756419
ENSG00000287006	chr11	112720652	112722651	NA		105369496	0.465821303	0.701569291	-0.235747989
ENSG00000285936	chr14	72700262	72702261	NA	NA		0.475816626	0.727506468	-0.251689841
ENSG00000137575	chr8	58551424	58553423	SDCBP		6386	0.513408759	0.784433372	-0.271024613
ENSG00000261369	chr16	47297947	47299946	NA	NA		0.461179628	0.696335873	-0.235156245
ENSG00000223169	chr6	75864836	75866835	RNA5SP209	NA		0.408040613	0.624228891	-0.216188278
ENSG00000172728	chr8	33472647	33474646	FUT10		84750	0.421933319	0.669462837	-0.247529518
ENSG00000198785	chr9	101738148	101740147	GRIN3A		116443	0.271614076	0.459186382	-0.187572306
ENSG00000224640	chr13	69408236	69410235	SRSF1P1	NA		0.422586953	0.622148549	-0.199561595
ENSG00000092820	chr6	158818869	158820868	EZR		7430	0.440066577	0.668413422	-0.228346845
ENSG00000214042	chr9	21201706	21203705	IFNA7		3444	0.390705028	0.597430036	-0.206725008
ENSG00000225279	chr1	160060961	160062960	NA	NA		0.43067073	0.629441037	-0.198770307

ENSG00000227583	chr10	68672856	68674855	RPS3AP37	NA		0.410866789	0.670982597	-0.260115808
ENSG00000267334	chr17	44946412	44948411	KIF18B-DT	NA		0.27267781	0.460031896	-0.187354086
ENSG00000164134	chr4	139299946	139301945	NAA15		80155	0.333883426	0.5814681	-0.247584674
ENSG00000170379	chr7	143619452	143621451	TCAF2		285966	0.487111121	0.743339973	-0.256228852
ENSG00000223381	chr10	108707039	108709038	LINC02661	NA		0.268418651	0.455633643	-0.187214992
ENSG00000207215	chr8	97356765	97358764	SNORD3H		109617016	0.457582421	0.696491712	-0.23890929
ENSG00000278100	chr10	14390375	14392374	NA	NA		0.448745338	0.685092888	-0.23634755
ENSG00000222174	chr18	586351	588350	RN7SKP146	NA		0.352508348	0.539616927	-0.187108579
ENSG00000223390	chr1	52031891	52033890	NA	NA		0.450536257	0.679120239	-0.228583982
ENSG00000228369	chr1	52049418	52051417	TXNDC12-AS1		104355143	0.450536257	0.679120239	-0.228583982
ENSG00000172216	chr20	50189330	50191329	CEBPB		1051	0.380045942	0.631082031	-0.251036089
ENSG00000186300	chr19	2839937	2841936	ZNF555		148254	0.363869409	0.613898009	-0.2500286
ENSG00000260368	chr8	100913889	100915888	NA	NA		0.421689189	0.641146204	-0.219457016
ENSG00000168619	chr8	39582989	39584988	ADAM18		8749	0.378161397	0.575559683	-0.197398286
ENSG00000187672	chr3	56468596	56470595	ERC2		26059	0.440793285	0.673992889	-0.233199604
ENSG00000203441	chr13	99500553	99502552	LINC00449		106478991	0.382127812	0.627038942	-0.24491113
ENSG00000264862	chr17	31516932	31518931	RN7SL45P	NA		0.375706284	0.613940786	-0.238234503
ENSG00000270449	chr11	104682082	104684081	NA	NA		0.360347133	0.612413081	-0.252065947
ENSG00000285790	chr18	45503325	45505324	NA	NA		0.476777255	0.716016177	-0.239238922
ENSG00000249332	chr5	15266042	15268041	LINC02149	NA		0.409744743	0.626755628	-0.217010885
ENSG00000213713	chr11	33075961	33077960	PIGCP1	NA		0.476711452	0.702925653	-0.226214201
ENSG00000283499	chr4	48108911	48110910	NA	NA		0.42405249	0.609818275	-0.185765784
ENSG00000252474	chr14	49838225	49840224	RNU6-539P	NA		0.411572322	0.618879992	-0.20730767
ENSG00000186480	chr7	155296276	155298275	INSIG1		3638	0.231606991	0.417331753	-0.185724762
ENSG00000260600	chr16	61693251	61695250	NA	NA		0.436666545	0.661305019	-0.224638474
ENSG00000229817	chr9	114844094	114846093	NA	NA		0.459961779	0.699398312	-0.239436533
ENSG00000165757	chr10	30114995	30116994	JCAD		57608	0.443518826	0.66619138	-0.222672554
ENSG00000083520	chr13	72781597	72783596	DIS3		22894	0.422651573	0.671600904	-0.248949331
ENSG00000254364	chr8	100491028	100493027	NA	NA		0.373313218	0.572902086	-0.199588867
ENSG00000183199	chr4	87890343	87892342	HSP90AB3P	NA		0.425550925	0.633209427	-0.207658502
ENSG00000119977	chr10	95693644	95695643	TCTN3		26123	0.376970014	0.570872163	-0.193902148
ENSG00000261544	chr15	65766899	65768898	NA	NA		0.460506599	0.697094523	-0.236587924
ENSG00000285253	chr15	56918072	56920071	NA	NA		0.433356958	0.656757467	-0.223400509
ENSG00000213050	chr7	116972412	116974411	TPM3P1	NA		0.312205448	0.549200743	-0.236995295

ENSG00000235984	chr13	92721115	92723114	GPC5-AS1		100873969	0.415524756	0.628469391	-0.212944635
ENSG00000131943	chr19	29715290	29717289	C19orf12		83636	0.402276371	0.646052819	-0.243776449
ENSG00000207453	chr10	7486310	7488309	RNU6-535P	NA		0.378123913	0.576410128	-0.198286215
ENSG00000252343	chr4	182547159	182549158	RNU2-34P	NA		0.433312663	0.657466636	-0.224153973
ENSG00000133731	chr8	81685832	81687831	IMPA1		3612	0.413185349	0.627237583	-0.214052234
ENSG00000200361	chr3	106687178	106689177	NA	NA		0.373984436	0.559070871	-0.185086435
ENSG00000145388	chr4	118683892	118685891	METTL14		57721	0.396023958	0.600087908	-0.20406395
ENSG00000241889	chr3	113883798	113885797	CTDNEP1P1	NA		0.426350089	0.64667428	-0.22032419
ENSG00000231420	chr2	150256508	150258507	LINC01817		105373683	0.445652595	0.670967651	-0.225315056
ENSG00000279189	chr11	133302135	133304134	NA	NA		0.311228486	0.537793927	-0.226565441
ENSG00000269210	chr2	38959878	38961877	NA		375196	0.358612583	0.569102968	-0.210490384
ENSG00000253797	chr13	52023191	52025190	UTP14C		9724	0.480539522	0.72719481	-0.246655287
ENSG00000231022	chr1	188692820	188694819	RPS3AP9	NA		0.397567647	0.637675927	-0.24010828
ENSG00000213169	chr3	174375744	174377743	RPL8P4	NA		0.415849178	0.629737198	-0.213888019
ENSG00000221843	chr2	27535886	27537885	C2orf16		84226	0.379697394	0.576567866	-0.196870473
ENSG00000217078	chr6	16163263	16165262	NA	NA		0.450698427	0.690316923	-0.239618496
ENSG00000264585	chr4	52711182	52713181	MIR4449		100616436	0.444472629	0.659281893	-0.214809265
ENSG00000198829	chr3	151872143	151874142	SUCNR1		56670	0.291885748	0.475970525	-0.184084777
ENSG00000233893	chr6	158816479	158818478	EZR-AS1		101409257	0.414406856	0.648826822	-0.234419967
ENSG00000264621	chr4	39410410	39412409	MIR5591		100847065	0.360285566	0.584070401	-0.223784835
ENSG00000253793	chr8	30983822	30985821	NA	NA		0.277448804	0.461478377	-0.184029573
ENSG00000252587	chr16	35753423	35755422	RNA5SP422	NA		0.403976482	0.624061148	-0.220084666
ENSG00000244249	chr3	159386941	159388940	RPS2P19	NA		0.364950623	0.659794655	-0.294844032
ENSG00000109458	chr4	143335376	143337375	GAB1		2549	0.450892495	0.681410121	-0.230517626
ENSG00000280270	chr3	187381601	187383600	NA	NA		0.463004573	0.67799457	-0.214989996
ENSG00000272180	chr2	55950658	55952657	NA	NA		0.395137694	0.584128414	-0.188990719
ENSG00000080802	chr7	135509646	135511645	CNOT4		4850	0.366446119	0.558653036	-0.192206917
ENSG00000256849	chr12	19940021	19942020	TCP1P3	NA		0.385289449	0.577474511	-0.192185062
ENSG00000253463	chr8	123121606	123123605	HMGB1P19	NA		0.446676908	0.680043271	-0.233366363
ENSG00000205184	chr8	81635163	81637162	SLC10A5P1	NA		0.387382084	0.583864063	-0.196481979
ENSG00000285891	chr5	178697262	178699261	MSANTD5		102724657	0.424566199	0.636506964	-0.211940765
ENSG00000147873	chr9	21304814	21306813	IFNA5		3442	0.316053065	0.616319572	-0.300266507
ENSG00000225530	chr13	89362725	89364724	SP3P	NA		0.37103604	0.576086369	-0.205050329
ENSG00000243160	chr5	79527802	79529801	RPL7AP32	NA		0.377738283	0.570778007	-0.193039725

ENSG00000231082	chr10	80648297	80650296	LINC02655		105378386	0.44272965	0.668103986	-0.225374336
ENSG00000249351	chr4	65215116	65217115	NA	NA		0.275465492	0.501452176	-0.225986684
ENSG00000198774	chr12	85835910	85837909	RASSF9		9182	0.393975754	0.597235518	-0.203259764
ENSG00000249584	chr5	57898663	57900662	LINC02225		101928539	0.451205017	0.680541634	-0.229336617
ENSG00000279401	chr1	185517151	185519150	NA	NA		0.42085552	0.629418543	-0.208563023
ENSG00000270953	chr7	130506160	130508159	NA	NA		0.410834538	0.619747051	-0.208912513
ENSG00000172575	chr15	38565076	38567075	RASGRP1		10125	0.418295193	0.630820034	-0.212524841
ENSG00000259001	chr14	20343186	20345185	NA	NA		0.473821372	0.713692992	-0.23987162
ENSG00000235785	chr14	99261448	99263447	NA	NA		0.473071773	0.693170447	-0.220098674
ENSG00000264743	chr17	30973887	30975886	DPRXP4	NA		0.43626691	0.646665126	-0.210398216
ENSG00000255321	chr8	60552537	60554536	NA	NA		0.405310422	0.610863805	-0.205553383
ENSG00000255496	chr11	27877149	27879148	NA	NA		0.47300001	0.712036997	-0.239036987
ENSG00000251691	chr4	69306674	69308673	NA	NA		0.39987296	0.615435261	-0.215562301
ENSG00000255033	chr8	111379103	111381102	SERPINA15P	NA		0.426514532	0.642482517	-0.215967985
ENSG00000162542	chr1	19799446	19801445	TMCO4		255104	0.408975096	0.616253709	-0.207278612
ENSG00000231646	chr2	185799652	185801651	FSIP2-AS1		107985781	0.367784188	0.555384803	-0.187600615
ENSG00000230813	chr1	246525530	246527529	NA	NA		0.458359353	0.686309202	-0.227949849
ENSG00000250227	chr4	164914065	164916064	TRIM60P14	NA		0.45732717	0.671233802	-0.213906632
ENSG00000259588	chr15	47605853	47607852	NA	NA		0.452167531	0.652529419	-0.200361888
ENSG00000121897	chr4	39457504	39459503	LIAS		11019	0.416153082	0.626322654	-0.210169573
ENSG00000257543	chr12	101408561	101410560	NA	NA		0.486938266	0.70334972	-0.216411454
ENSG00000247810	chr4	37072181	37074180	NA		101928721	0.38532959	0.639454043	-0.254124452
ENSG00000223389	chr6	73321337	73323336	SDCBP2P1	NA		0.426840377	0.641922728	-0.215082351
ENSG00000200213	chr21	36065045	36067044	RNU6-992P	NA		0.418129597	0.628746065	-0.210616468
ENSG00000235522	chr2	105856678	105858677	NA	NA		0.40593162	0.589015038	-0.183083418
ENSG00000234162	chr2	105961887	105963886	NA	NA		0.40593162	0.589015038	-0.183083418
ENSG00000227734	chr10	19290981	19292980	NA	NA		0.414310945	0.619174713	-0.204863767
ENSG00000287155	chr3	141283807	141285806	NA	NA		0.416838979	0.621371505	-0.204532526
ENSG00000183629	chr15	28532515	28534514	GOLGA8G	283768;100132565		0.3149894	0.496466454	-0.181477054
ENSG00000203356	chr1	51234597	51236596	LINC01562		105378716	0.535727268	0.720057497	-0.184330229
ENSG00000237929	chr20	31311463	31313462	RPL31P3	NA		0.343600448	0.524868149	-0.181267701
ENSG00000272265	chr5	116078071	116080070	NA	NA		0.470800002	0.681250503	-0.210450501
ENSG00000105392	chr19	47818279	47820278	CRX		1406	0.409942334	0.615477985	-0.205535651
ENSG00000152583	chr4	87530562	87532561	SPARCL1		8404	0.418213706	0.627777327	-0.209563621

ENSG00000152207	chr13	48652211	48654210	CYSLTR2		57105	0.266981452	0.475194587	-0.208213135
ENSG00000290785	chr11	76719109	76721108	NA	NA		0.504156639	0.717097809	-0.212941169
ENSG00000248126	chr5	1596627	1598626	NA	NA		0.432088165	0.670145252	-0.238057087
ENSG00000170222	chr17	10696094	10698093	ADPRM		56985	0.41590451	0.624902076	-0.208997566
ENSG00000252475	chr15	44961330	44963329	RNU6-1332P	NA		0.391997981	0.588460694	-0.196462714
ENSG00000099250	chr10	33335763	33337762	NRP1		8829	0.373190932	0.607713318	-0.234522386
ENSG00000277651	chr14	65986948	65988947	NA	NA		0.45680277	0.679394622	-0.222591852
ENSG00000106852	chr9	122229127	122231126	LHX6		26468	0.391417251	0.58162426	-0.190207009
ENSG00000131016	chr6	151238467	151240466	AKAP12		9590	0.436195272	0.667172506	-0.230977233
ENSG00000249174	chr5	19141847	19143846	NA	NA		0.325103465	0.505374668	-0.180271202
ENSG00000229753	chr9	72741118	72743117	RPS27AP15	NA		0.412156967	0.617727889	-0.205570921
ENSG00000155330	chr16	46830681	46832680	C16orf87		388272	0.425407608	0.605482335	-0.180074727
ENSG00000215114	chr8	58409859	58411858	UBXN2B		137886	0.392924844	0.607763287	-0.214838442
ENSG00000074771	chr6	155455340	155457339	NOX3		50508	0.46002193	0.708210496	-0.248188567
ENSG00000223575	chr1	119085455	119087454	RBMX2P3	NA		0.414037778	0.653232083	-0.239194305
ENSG00000257128	chr12	41909756	41911755	NA	NA		0.417972819	0.60866723	-0.190694411
ENSG00000213741	chr14	49598665	49600664	RPS29		6235	0.40636978	0.647058459	-0.24068868
ENSG00000171495	chr5	41070843	41072842	MROH2B		133558	0.431023883	0.635622957	-0.204599074
ENSG00000248891	chr5	51427928	51429927	NA	NA		0.406123309	0.607240641	-0.201117332
ENSG00000258757	chr14	52639339	52641338	NA	NA		0.426559337	0.627209131	-0.200649794
ENSG00000204334	chr2	170765378	170767377	ERICH2		285141	0.429857776	0.640158665	-0.210300889
ENSG00000201612	chr12	27805891	27807890	RN7SKP15	NA		0.411231875	0.64852599	-0.237294114
ENSG00000236148	chr2	64347242	64349241	RPL23AP37	NA		0.456713982	0.670526358	-0.213812377
ENSG00000257480	chr12	89751413	89753412	MRPL2P1	NA		0.332889257	0.512146972	-0.179257714
ENSG00000285843	chr2	227587016	227589015	SCYGR9	NA		0.425590599	0.646923364	-0.221332765
ENSG00000254733	chr11	86430090	86432089	NA	NA		0.47469943	0.707023106	-0.232323676
ENSG00000227681	chr6	147659203	147661202	NA	NA		0.453727403	0.663144371	-0.209416968
ENSG00000147408	chr8	19757530	19759529	CSGALNACT1		55790	0.456982491	0.682084105	-0.225101614
ENSG00000259000	chr14	44865748	44867747	DOCK11P1	NA		0.456445697	0.681256137	-0.22481044
ENSG00000239923	chr20	14221541	14223540	RN7SL864P	NA		0.348708617	0.579217626	-0.230509008
ENSG00000251432	chr4	128291251	128293250	LINC02615		100507487	0.226608686	0.491614138	-0.265005452
ENSG00000269985	chr6	5457576	5459575	FARS2-AS1		101927972	0.382607061	0.571322941	-0.18871588
ENSG00000202285	chr6	106738555	106740554	RNU6-117P	NA		0.458532231	0.670005154	-0.211472924
ENSG00000250486	chr4	164955448	164957447	FAM218A		152756	0.381665337	0.564808293	-0.183142956

ENSG00000004846	chr7	20614167	20616166	ABCB5		340273	0.43569007	0.654581596	-0.218891526
ENSG00000237649	chr6	33390323	33392322	KIFC1		3833	0.361690822	0.543181265	-0.181490443
ENSG00000204194	chr6	33400057	33402056	RPL12P1	NA		0.361690822	0.543181265	-0.181490443
ENSG00000249150	chr5	116829871	116831870	NA	NA		0.434917581	0.636423239	-0.201505658
ENSG00000258695	chr14	73521378	73523377	NA	NA		0.411901092	0.644441426	-0.232540334
ENSG00000283498	chr5	118973086	118975085	MIR1244-2		100422885	0.367436322	0.598849477	-0.231413155
ENSG00000252760	chr1	111040334	111042333	RNA5SP54	NA		0.413211152	0.669101601	-0.25589045
ENSG00000103037	chr16	58513979	58515978	SETD6		79918	0.365891202	0.561750937	-0.195859735
ENSG00000286700	chr4	124027769	124029768	NA	NA		0.474142604	0.705713033	-0.231570429
ENSG00000183955	chr12	123382632	123384631	KMT5A		387893	0.449063713	0.661348393	-0.212284679
ENSG00000274867	chr6	49114037	49116036	NA	NA		0.362599122	0.649483955	-0.286884833
ENSG00000267215	chr18	59080411	59082410	NA	NA		0.505704319	0.75185272	-0.246148402
ENSG00000236047	chr2	202518901	202520900	RPL13AP12	NA		0.445749686	0.662393777	-0.216644091
ENSG00000228322	chr9	4297890	4299889	GLIS3-AS2	NA		0.351260485	0.529768875	-0.17850839
ENSG00000259533	chr17	63884310	63886309	NA	NA		0.458031585	0.64114822	-0.183116635
ENSG00000290078	chr11	110326908	110328907	NA		124902752	0.479798336	0.724573598	-0.244775263
ENSG00000244754	chr13	32538386	32540385	N4BP2L2		10443	0.46586171	0.686228967	-0.220367257
ENSG00000234645	chr2	138288294	138290293	YWHAEP5	NA		0.398839096	0.593228635	-0.194389539
ENSG00000256533	chr11	114451564	114453563	NA	NA		0.423810112	0.630026606	-0.206216494
ENSG00000274654	chr15	48529229	48531228	NA	NA		0.459908685	0.683138778	-0.223230093
ENSG00000231336	chr2	46167479	46169478	NA	NA		0.459710267	0.665073246	-0.205362979
ENSG00000229150	chr2	208112012	208114011	CRYGEP	NA		0.366926931	0.548050511	-0.18112358
ENSG00000249816	chr8	124822202	124824201	LINC00964		157381	0.472114243	0.721446335	-0.249332092
ENSG00000239861	chr11	103043737	103045736	RPL21P96	NA		0.443820908	0.650096079	-0.206275171
ENSG00000289147	chr17	58516815	58518814	NA	NA		0.454489887	0.638273191	-0.183783303
ENSG00000207421	chr1	44776890	44778889	SNORD38B	NA		0.319687243	0.497459536	-0.177772293
ENSG00000218173	chr6	104685741	104687740	NA	NA		0.49911664	0.735337226	-0.236220587
ENSG00000275728	chr20	16578758	16580757	NA	NA		0.408667213	0.619897747	-0.211230534
ENSG00000170820	chr2	49154028	49156027	FSHR		2492	0.344017601	0.521762575	-0.177744974
ENSG00000082068	chr5	37377785	37379784	WDR70		55100	0.251032094	0.435495899	-0.184463805
ENSG00000255094	chr11	28019076	28021075	NA	NA		0.445765883	0.658079945	-0.212314062
ENSG00000224971	chr7	55730644	55732643	SUMO2P3	NA		0.429350323	0.633192264	-0.203841941
ENSG00000166004	chr11	93660182	93662181	CEP295		85459	0.446396497	0.658265751	-0.211869255
ENSG00000230427	chr1	95060096	95062095	ALG14-AS1		101928098	0.420170904	0.620598307	-0.200427402

ENSG00000074966	chr4	48133751	48135750	TXK		7294	0.477075242	0.691919467	-0.214844225
ENSG00000163581	chr3	171026244	171028243	SLC2A2		6514	0.400413525	0.588338807	-0.187925282
ENSG00000248660	chr4	58101647	58103646	SRIP1	NA		0.408659241	0.603145794	-0.194486553
ENSG00000268847	chr19	56589782	56591781	SIGLEC31P	NA		0.442056518	0.686663717	-0.244607199
ENSG00000200003	chr2	27475096	27477095	RNU6-986P	NA		0.462371165	0.684916228	-0.222545063
ENSG00000153956	chr7	82443457	82445456	CACNA2D1		781	0.391119493	0.579965839	-0.188846346
ENSG00000233353	chr10	80716569	80718568	RPS7P9	NA		0.320809724	0.552959557	-0.232149833
ENSG00000253394	chr8	90219841	90221840	LINC00534	NA		0.412721068	0.601617397	-0.188896329
ENSG00000221650	chr13	107530749	107532748	MIR1267		100302286	0.444197119	0.620716395	-0.176519275
ENSG00000270757	chr2	197498913	197500912	HSPE1-MOB4		100529241	0.42595772	0.628633238	-0.202675517
ENSG00000258225	chr12	78091238	78093237	NA	NA		0.422062134	0.614997051	-0.192934917
ENSG00000207283	chr3	5085780	5087779	NA	NA		0.459392576	0.680244333	-0.220851757
ENSG00000117069	chr1	76865980	76867979	ST6GALNAC5		81849	0.451907972	0.668634796	-0.216726824
ENSG00000250267	chr8	109297098	109299097	NA	NA		0.333530032	0.570523617	-0.236993585
ENSG00000081154	chr3	101572680	101574679	PCNP		57092	0.399087574	0.587845726	-0.188758152
ENSG00000260014	chr16	78354029	78356028	LSM3P5	NA		0.356340235	0.533372672	-0.177032437
ENSG00000141198	chr17	54897887	54899886	TOM1L1		10040	0.427403514	0.606984124	-0.17958061
ENSG00000285524	chr7	153393984	153395983	NA	NA		0.417028744	0.593278843	-0.176250099
ENSG00000120533	chr8	109332824	109334823	ENY2		56943	0.360487986	0.623945164	-0.263457177
ENSG00000288637	chr4	153150935	153152934	NA	NA		0.441824563	0.621893569	-0.180069005
ENSG00000288551	chr6	145748417	145750416	NA	NA		0.445850932	0.658427072	-0.21257614
ENSG00000293084	chr6	126641988	126643987	NA	NA		0.381479587	0.557386844	-0.175907257
ENSG00000154556	chr4	185956153	185958152	SORBS2		8470	0.277806718	0.46864824	-0.190841522
ENSG00000222923	chr2	114418625	114420624	RNU2-41P	NA		0.328889015	0.555246449	-0.226357434
ENSG00000278083	chr2	222945889	222947888	NA	NA		0.342921899	0.599929343	-0.257007444
ENSG00000243886	chr3	137535643	137537642	MTCH2P1	NA		0.32380647	0.647191598	-0.323385128
ENSG00000243305	chr3	152496314	152498313	NA	NA		0.420363745	0.610186716	-0.189822971
ENSG00000163424	chr3	119144651	119146650	TEX55		152405	0.354428903	0.570257491	-0.215828588
ENSG00000207402	chr2	191120450	191122449	RNU6-959P	NA		0.422080295	0.622689055	-0.200608761
ENSG00000203706	chr1	210233548	210235547	SERTAD4-AS1	NA		0.475534027	0.681525162	-0.205991134
ENSG00000177807	chr1	160069661	160071660	KCNJ10		3766	0.451663038	0.659119828	-0.20745679
ENSG00000254825	chr11	56751403	56753402	OR9G2P	NA		0.348734817	0.553689055	-0.204954237
ENSG00000182347	chr9	5085613	5087612	PDSS1P1	NA		0.476154399	0.756751075	-0.280596676
ENSG00000254431	chr8	125350917	125352916	NA	NA		0.482538364	0.71055483	-0.228016466

ENSG00000245281	chr8	18082884	18084883	ASAH1-AS1		101929066	0.386513458	0.56147031	-0.174956852
ENSG00000269446	chr7	157108480	157110479	NA	NA		0.485142433	0.714152709	-0.229010277
ENSG00000235737	chr13	66267497	66269496	TRIM60P19	NA		0.419842791	0.618227159	-0.198384367
ENSG00000259542	chr15	96404690	96406689	NA	NA		0.358512908	0.53334559	-0.174832682
ENSG00000251587	chr4	4894674	4896673	LDHAP1	NA		0.421044553	0.618583128	-0.197538575
ENSG00000239199	chr14	55413560	55415559	RPL21P6	NA		0.408209016	0.595210919	-0.187001902
ENSG00000208023	chr22	20031639	20033638	MIR185		406961	0.458478508	0.688643997	-0.230165489
ENSG00000240637	chr4	114797831	114799830	RN7SL808P	NA		0.394417569	0.592529505	-0.198111936
ENSG00000288743	chr13	49247341	49249340	NA		105370203	0.441891402	0.683432128	-0.241540726
ENSG00000217026	chr21	27420524	27422523	RPL10P1	NA		0.460261285	0.666114832	-0.205853547
ENSG00000229051	chr1	70704941	70706940	LINC01788		101927244	0.422715683	0.621565626	-0.198849942
ENSG00000198846	chr8	59118648	59120647	TOX		9760	0.289924475	0.516196295	-0.22627182
ENSG00000211599	chr2	88895732	88897731	IGKV5-2	NA		0.4550733	0.669092522	-0.214019222
ENSG00000251212	chr4	17060378	17062377	MTND5P4	NA		0.460015141	0.706727009	-0.246711867
ENSG00000270091	chr17	19896788	19898787	NA	NA		0.467487297	0.687172376	-0.219685079
ENSG00000122678	chr7	44082031	44084030	POLM		27434	0.477642734	0.673920753	-0.196278019
ENSG00000226447	chr10	37975325	37977324	ZNF25-DT	NA		0.444230403	0.653425624	-0.209195221
ENSG00000242671	chr3	146920295	146922294	LINC02010	NA		0.469093067	0.689168172	-0.220075105
ENSG00000207571	chr12	54032450	54034449	MIR615		693200	0.416003843	0.609291814	-0.193287971
ENSG00000166133	chr15	40567799	40569798	RPUSD2		27079	0.3770502	0.583113029	-0.206062829
ENSG00000285778	chr1	73914841	73916840	NA	NA		0.455418445	0.668938803	-0.213520358
ENSG00000289410	chr2	61763806	61765805	NA	NA		0.495768911	0.727613543	-0.231844632
ENSG00000289855	chr2	61763044	61765043	NA	NA		0.495768911	0.727613543	-0.231844632
ENSG00000199836	chr14	99943815	99945814	RNU1-47P	NA		0.463717922	0.664022236	-0.200304314
ENSG00000153684	chr15	28377121	28379120	GOLGA8F		100132565	0.3640539	0.537534302	-0.173480402
ENSG00000227627	chr6	152981831	152983830	NA	NA		0.467386687	0.653884542	-0.186497855
ENSG00000259008	chr14	57353946	57355945	NA	NA		0.315449706	0.488777525	-0.173327819
ENSG00000256138	chr12	18491551	18493550	ZKSCAN7P1	NA		0.3021907	0.475477523	-0.173286823
ENSG00000228484	chr10	114763288	114765287	NA		101927692	0.413373672	0.608284187	-0.194910515
ENSG00000265698	chr18	70410555	70412554	LARP7P3	NA		0.372878999	0.574899672	-0.202020673
ENSG00000140854	chr16	57734239	57736238	KATNB1		10300	0.413448664	0.607986929	-0.194538266
ENSG00000166263	chr17	54967227	54969226	STXBP4		252983	0.431428056	0.631029077	-0.199601021
ENSG00000273077	chr4	128552917	128554916	NA	NA		0.455391078	0.681651166	-0.226260088
ENSG00000267664	chr18	40144005	40146004	RPL17P45	NA		0.338237148	0.511294035	-0.173056888

ENSG00000232118	chr21	29375840	29377839	BACH1-AS1	NA		0.506663014	0.333629068	0.173033946
ENSG00000178860	chr8	71843913	71845912	MSC		9242	0.432271908	0.635887096	-0.203615188
ENSG00000200114	chr3	12510714	12512713	RNA5SP123	NA		0.425347878	0.620351948	-0.195004069
ENSG00000256513	chr12	28825332	28827331	NA	NA		0.432273493	0.633244742	-0.200971248
ENSG00000230323	chr21	32197314	32199313	LINC00159	NA		0.490230968	0.687354307	-0.197123339
ENSG00000207732	chr4	20526775	20528774	MIR218-1		407000	0.351125669	0.554199222	-0.203073553
ENSG00000252103	chr20	1528660	1530659	RNU6-917P	NA		0.439374836	0.638067431	-0.198692595
ENSG00000180318	chr12	85278720	85280719	ALX1		8092	0.464510453	0.658572272	-0.194061819
ENSG00000274834	chr16	12612951	12614950	NA	NA		0.448577691	0.657678672	-0.209100981
ENSG00000174844	chr3	57543845	57545844	DNAH12		201625	0.472225925	0.668190183	-0.195964258
ENSG00000153253	chr2	165203551	165205550	SCN3A		6328	0.446832273	0.641751046	-0.194918773
ENSG00000169488	chr14	19974091	19976090	OR4K15		81127	0.305818149	0.485103199	-0.179285049
ENSG00000201076	chr2	60909803	60911802	RNU4-51P	NA		0.42271253	0.619425225	-0.196712694
ENSG00000239439	chr3	112031150	112033149	RFKP2	NA		0.493789033	0.670718066	-0.176929033
ENSG00000259020	chr14	92025066	92027065	NA	NA		0.424417861	0.624688752	-0.20027089
ENSG00000265206	chr17	58332024	58334023	MIR142HG	NA		0.40993526	0.584316419	-0.174381159
ENSG00000288900	chr2	191677364	191679363	NA	NA		0.404811288	0.595105272	-0.190293984
ENSG00000229431	chr1	43383613	43385612	MED8-AS1	NA		0.453817119	0.661324756	-0.207507637
ENSG00000265932	chr7	19704937	19706936	MIR3146		100422967	0.40243415	0.588858374	-0.186424224
ENSG00000257720	chr14	36054814	36056813	ILF2P2	NA		0.437561327	0.640586433	-0.203025105
ENSG00000273450	chr10	94314828	94316827	NA	NA		0.310156559	0.552923105	-0.242766546
ENSG00000242635	chr4	160816922	160818921	RPS14P7	NA		0.400658695	0.584814173	-0.184155478
ENSG00000279794	chr19	56148317	56150316	NA	NA		0.501433577	0.733316839	-0.231883262
ENSG00000272685	chr11	58109162	58111161	OR9I3P	NA		0.412709211	0.596255565	-0.183546354
ENSG00000258810	chr14	20782388	20784387	LINC03058	NA		0.437056967	0.668739272	-0.231682305
ENSG00000274954	chr15	51831634	51833633	NA	NA		0.481496472	0.699852769	-0.218356298
ENSG00000259427	chr15	45565276	45567275	DPPA5P2	NA		0.411291064	0.620673098	-0.209382034
ENSG00000164654	chr7	7565375	7567374	MIOS		54468	0.318773318	0.490611263	-0.171837946
ENSG00000256875	chr12	132460742	132462741	NA	NA		0.410411361	0.692586301	-0.282174939
ENSG00000270139	chr21	16418581	16420580	NA	NA		0.457964498	0.651010633	-0.193046135
ENSG00000279575	chr10	10393170	10395169	NA	NA		0.424370056	0.620595786	-0.19622573
ENSG00000163106	chr4	94342377	94344376	HPGDS		27306	0.456036381	0.668207107	-0.212170726
ENSG00000265859	chr3	131985432	131987431	MIR5704		100847040	0.392397137	0.575134594	-0.182737457
ENSG00000214189	chr19	12090968	12092967	ZNF788P	NA		0.476555385	0.671705957	-0.195150571

ENSG00000233379	chr13	77975040	77977039	NA	NA	0.411313403	0.601103347	-0.189789944	
ENSG00000123178	chr13	49935991	49937990	SPRYD7		57213	0.450621272	0.65199036	-0.201369088
ENSG00000238168	chr12	111579879	111581878	IFITM3P5	NA		0.434140048	0.631239449	-0.197099401
ENSG00000168275	chr1	234371956	234373955	COA6		388753	0.269636252	0.440959284	-0.171323032
ENSG00000287277	chr10	7117970	7119969	NA		107984203	0.446873838	0.651960729	-0.20508689
ENSG00000244743	chr12	32861618	32863617	RPL35AP27	NA		0.381648416	0.611527418	-0.229879002
ENSG00000146955	chr7	140402558	140404557	RAB19		401409	0.477116742	0.695502242	-0.2183855
ENSG00000234067	chr3	40586929	40588928	RPL5P10	NA		0.399342156	0.582795475	-0.18345332
ENSG00000261734	chr3	20386749	20388748	NA	NA		0.295962193	0.466979458	-0.171017265
ENSG00000151388	chr5	33891520	33893519	ADAMTS12		81792	0.439130768	0.634567936	-0.195437169
ENSG00000199535	chr10	24638666	24640665	RNA5SP305	NA		0.406281616	0.59886599	-0.192584374
ENSG00000224643	chr2	183108020	183110019	NA	NA		0.43818242	0.63874128	-0.20055886
ENSG00000150556	chr2	149036607	149038606	LYPD6B		130576	0.390079857	0.561321183	-0.171241326
ENSG00000240674	chr4	165012346	165014345	RPL21P51	NA		0.411878954	0.58874479	-0.176865836
ENSG00000207926	chr3	52293809	52295808	MIR135A1		406925	0.473792875	0.680873182	-0.207080306
ENSG00000232922	chr7	112373751	112375750	MTND6P24	NA		0.456793377	0.665168163	-0.208374785
ENSG00000287237	chr12	94261800	94263799	NA	NA		0.426289522	0.621187484	-0.194897962
ENSG00000240602	chr3	151768974	151770973	AADACP1	NA		0.421904802	0.604502558	-0.182597756
ENSG00000243900	chr13	51468253	51470252	RN7SL320P	NA		0.399802941	0.585350667	-0.185547727
ENSG00000124920	chr11	61751136	61753135	MYRF		745	0.408958143	0.62934568	-0.220387537
ENSG00000163626	chr4	73069256	73071255	COX18		285521	0.270742177	0.4515138	-0.180771623
ENSG00000231234	chr7	66423394	66425393	SKP1P1	NA		0.333767372	0.565272405	-0.231505033
ENSG00000154027	chr1	77280519	77282518	AK5		26289	0.483222737	0.692101546	-0.208878809
ENSG00000249763	chr4	69241128	69243127	NA	NA		0.414471855	0.605882542	-0.191410687
ENSG00000274206	chr2	96937423	96939422	NA	NA		0.408340979	0.594607508	-0.186266529
ENSG00000254139	chr8	57744629	57746628	LINC03018		286178	0.458309955	0.643617447	-0.185307492
ENSG00000252107	chr6	140158195	140160194	RNA5SP220	NA		0.445197248	0.640329751	-0.195132503
ENSG00000204128	chr2	231036023	231038022	C2orf72		257407	0.479143412	0.673040905	-0.193897493
ENSG00000250430	chr4	165026445	165028444	NA	NA		0.363022751	0.609771904	-0.246749153
ENSG00000244392	chr7	80244426	80246425	RN7SL869P	NA		0.398603829	0.662812325	-0.264208497
ENSG00000275312	chr10	45178900	45180899	NA	NA		0.463892435	0.66746268	-0.203570244
ENSG00000136918	chr9	124851917	124853916	WDR38		401551	0.417237515	0.633253965	-0.21601645
ENSG00000250838	chr17	48996993	48998992	NA	NA		0.498086705	0.683345713	-0.185259007
ENSG00000205884	chr8	11974100	11976099	DEFB136		613210	0.290954489	0.553179351	-0.262224863

ENSG00000252080	chr16	6747408	6749407	RNU7-99P	NA		0.336603092	0.562938081	-0.226334988
ENSG00000244038	chr1	20661045	20663044	DDOST		1650	0.464096349	0.674176729	-0.21008038
ENSG00000291217	chr1	243101245	243103244	NA		731275	0.389874484	0.568584011	-0.178709526
ENSG00000260268	chr16	52084610	52086609	LINC00919		100505619	0.338747989	0.600690562	-0.261942573
ENSG00000229623	chr21	39235521	39237520	METTL21AP1	NA		0.467003886	0.688883392	-0.221879507
ENSG00000198874	chr7	66993673	66995672	TYW1		55253	0.433896486	0.630391639	-0.196495153
ENSG00000259972	chr16	74334847	74336846	NA	NA		0.40542704	0.582705218	-0.177278178
ENSG00000253474	chr8	49084801	49086800	NA	NA		0.47350939	0.687430042	-0.213920652
ENSG00000179041	chr8	66427514	66429513	RRS1		23212	0.492792449	0.715226007	-0.222433558
ENSG00000257219	chr12	76258336	76260335	LNCOG		105369848	0.381773435	0.603503837	-0.221730402
ENSG00000056291	chr4	72030402	72032401	NPFFR2		10886	0.495307586	0.71878843	-0.223480844
ENSG00000262681	chr17	19717559	19719558	NA	NA		0.426491254	0.666815971	-0.240324717
ENSG00000157613	chr11	46276162	46278161	CREB3L1		90993	0.481993472	0.674487117	-0.192493644
ENSG00000258168	chr12	70466580	70468579	NA	NA		0.366560471	0.547471418	-0.180910948
ENSG00000251235	chr5	76375175	76377174	SNRPCP2	NA		0.44387381	0.63744731	-0.1935735
ENSG00000277043	chr6	49359921	49361920	EEF1A1P42	NA		0.358037225	0.526960018	-0.168922793
ENSG00000212379	chr16	58377649	58379648	RNU6-269P	NA		0.397378356	0.60314761	-0.205769254
ENSG00000269256	chr10	76560495	76562494	NA	NA		0.371643468	0.540400529	-0.168757061
ENSG00000163735	chr4	73998178	74000177	CXCL5		6374	0.339899551	0.511648745	-0.171749193
ENSG00000213261	chr7	131662125	131664124	EEF1B2P6	NA		0.372688183	0.541357831	-0.168669648
ENSG00000173273	chr8	9554412	9556411	TNKS		8658	0.489491596	0.705115736	-0.21562414
ENSG00000249436	chr5	57572527	57574526	LNCBRM		100996645	0.360310413	0.580905848	-0.220595435
ENSG00000253750	chr8	64553976	64555975	NA	NA		0.44226758	0.64140204	-0.19913446
ENSG00000253800	chr8	64570833	64572832	NA	NA		0.44226758	0.64140204	-0.19913446
ENSG00000231616	chr9	83830086	83832085	NA	NA		0.460364237	0.66740326	-0.207039023
ENSG00000275607	chr3	58379026	58381025	WDR53P1	NA		0.454670122	0.660541111	-0.205870989
ENSG00000222344	chr2	229892846	229894845	RNU6-613P	NA		0.42645001	0.613328078	-0.186878068
ENSG00000253644	chr8	101392756	101394755	LINC02845		105375680	0.468313057	0.677254345	-0.208941287
ENSG00000289138	chr3	19950202	19952201	NA	NA		0.298578923	0.484381743	-0.18580282
ENSG00000285675	chr8	10146979	10148978	NA	NA		0.437472132	0.661155071	-0.223682939
ENSG00000267788	chr17	44981014	44983013	NA	NA		0.474820494	0.665909337	-0.191088843
ENSG00000154001	chr14	63542878	63544877	PPP2R5E		5529	0.443972164	0.651163344	-0.20719118
ENSG00000131871	chr15	101277001	101279000	SELENOS		55829	0.478502942	0.686981501	-0.208478559
ENSG00000278576	chr14	88587731	88589730	NA	NA		0.511398193	0.732605376	-0.221207183

ENSG00000236391	chr2	173337962	173339961	NA	NA		0.398945957	0.580072862	-0.181126904
ENSG00000226982	chr12	89498593	89500592	CENPCP1	NA		0.408750823	0.617012344	-0.208261521
ENSG00000251177	chr4	69585028	69587027	NA	NA		0.446614655	0.644824929	-0.198210273
ENSG00000270610	chr14	70232995	70234994	NA	NA		0.380539022	0.552676137	-0.172137115
ENSG00000170128	chr1	200871481	200873480	GPR25		2848	0.391325294	0.664867866	-0.273542572
ENSG00000211575	chr1	93845332	93847331	MIR760		100126348	0.413182881	0.607186556	-0.194003675
ENSG00000283228	chr2	151973450	151975449	NA	NA		0.421551244	0.593536505	-0.171985262
ENSG00000144840	chr3	120742494	120744493	RABL3		285282	0.440464394	0.667434275	-0.22696988
ENSG00000176787	chr11	5059128	5061127	OR52E2		119678	0.426378275	0.625025986	-0.198647711
ENSG00000222146	chr8	112148326	112150325	RNU4-37P	NA		0.418997831	0.639331257	-0.220333426
ENSG00000253365	chr2	90009241	90011240	IGKV1D-22	NA		0.533067419	0.762524519	-0.2294571
ENSG00000135547	chr6	125746164	125748163	HEY2		23493	0.44402031	0.662651632	-0.218631321
ENSG00000183514	chr2	227870145	227872144	TDGF1P2	NA		0.406632787	0.573448663	-0.166815876
ENSG00000154309	chr1	222813522	222815521	DISP1		84976	0.424464976	0.624465749	-0.200000774
ENSG00000266110	chr1	85132294	85134293	MIR4423		100616481	0.384325016	0.576264214	-0.191939198
ENSG00000255379	chr11	108822151	108824150	CYCSP29	NA		0.469401196	0.68342198	-0.214020784
ENSG00000260351	chr15	83021071	83023070	NA	NA		0.458969476	0.661897893	-0.202928417
ENSG00000232773	chr4	9420813	9422812	DEFB130D	NA		0.521176692	0.739407151	-0.21823046
ENSG00000012660	chr6	53348680	53350679	ELOVL5		60481	0.440929289	0.647222156	-0.206292867
ENSG00000106077	chr7	73738353	73740352	ABHD11		83451	0.513562806	0.725752276	-0.21218947
ENSG00000238575	chr18	2553858	2555857	NA		124904380	0.488117466	0.668405989	-0.180288523
ENSG00000260855	chr1	246770801	246772800	NA	NA		0.426715464	0.59311786	-0.166402396
ENSG00000274321	chr1	88518500	88520499	NA	NA		0.421656772	0.619388972	-0.1977322
ENSG00000170340	chr2	62194615	62196614	B3GNT2		10678	0.330618022	0.599362607	-0.268744585
ENSG00000043355	chr13	99980284	99982283	ZIC2		7546	0.490547244	0.705706461	-0.215159217
ENSG00000263201	chr16	68015412	68017411	DPEP2NB		100131303	0.467330101	0.666408572	-0.199078471
ENSG00000234715	chr7	103443707	103445706	SLC26A5-AS1		101927870	0.424808929	0.610869582	-0.186060653
ENSG00000189056	chr7	103989159	103991158	RELN		5649	0.424808929	0.610869582	-0.186060653
ENSG00000243700	chr14	58178271	58180270	RN7SL598P	NA		0.468159286	0.659016195	-0.19085691
ENSG00000213917	chr2	214280953	214282952	RPL5P8	NA		0.46328403	0.6600904	-0.19680637
ENSG00000253148	chr1	192315492	192317491	RGS21		431704	0.43061806	0.610117705	-0.179499645
ENSG00000289952	chr10	88581465	88583464	NA	NA		0.500707589	0.71980685	-0.219099261
ENSG00000261642	chr1	191150010	191152009	NA	NA		0.406652963	0.602054767	-0.195401803
ENSG00000253415	chr8	98905172	98907171	NA	NA		0.400393257	0.579419708	-0.179026451

ENSG00000254312	chr8	98906018	98908017	MRPL57P7	NA		0.400393257	0.579419708	-0.179026451
ENSG00000106384	chr7	101200539	101202538	MOGAT3		346606	0.439948055	0.643123013	-0.203174958
ENSG00000133460	chr22	23855203	23857202	SLC2A11		66035	0.471526549	0.676608824	-0.205082274
ENSG00000047457	chr3	149221330	149223329	CP		1356	0.404272107	0.591771431	-0.187499324
ENSG00000205730	chr16	19112432	19114431	ITPRIPL2		162073	0.402007342	0.578291676	-0.176284334
ENSG00000166479	chr18	68714609	68716608	TMX3		54495	0.366247674	0.623456137	-0.257208464
ENSG00000233981	chr6	14003420	14005419	NA	NA		0.396851206	0.571025842	-0.174174636
ENSG00000164935	chr8	104337587	104339586	DCSTAMP		81501	0.468796483	0.672931157	-0.204134675
ENSG00000270359	chr14	48318895	48320894	NA	NA		0.354044995	0.519486992	-0.165441997
ENSG00000223549	chr2	120213681	120215680	MTND5P28	NA		0.459253367	0.659864538	-0.200611172
ENSG00000236965	chr11	5798864	5800863	OR52N3P	NA		0.413210679	0.610618956	-0.197408277
ENSG00000244493	chr3	143379838	143381837	SLC9A9-AS2	NA		0.44474705	0.631862849	-0.187115799
ENSG00000222468	chr8	31597705	31599704	RNA5SP261	NA		0.332136435	0.549481433	-0.217344997
ENSG00000231090	chr1	55216145	55218144	MIR4422HG		109729135	0.469962822	0.675086983	-0.20512416
ENSG00000255400	chr11	12085391	12087390	LINC02989	NA		0.390047925	0.560932718	-0.170884794
ENSG00000259240	chr15	51035988	51037987	MIR4713HG		109729174	0.477133898	0.685146597	-0.208012699
ENSG00000101197	chr20	63234383	63236382	BIRC7		79444	0.434770828	0.625881875	-0.191111046
ENSG00000237038	chr8	7972754	7974753	USP17L8	392188;392197		0.406617246	0.597618787	-0.191001541
ENSG00000231054	chr2	45167083	45169082	NA	NA		0.442983332	0.631957693	-0.18897436
ENSG00000228586	chr2	158684403	158686402	NA	NA		0.338154018	0.502999476	-0.164845458
ENSG00000287551	chr9	28538235	28540234	NA	NA		0.350552948	0.572196357	-0.221643409
ENSG00000224776	chr11	109980692	109982691	RPSAP50	NA		0.466099399	0.662056695	-0.195957296
ENSG00000182179	chr3	49813454	49815453	UBA7		7318	0.44002977	0.628212684	-0.188182915
ENSG00000104915	chr19	13149884	13151883	STX10		8677	0.495128869	0.709781448	-0.214652579
ENSG00000111816	chr6	116060392	116062391	FRK		2444	0.378133708	0.57985158	-0.201717872
ENSG00000245522	chr11	9759034	9761033	LINC02709		440028	0.427848347	0.642949606	-0.215101259
ENSG00000284622	chr2	227607284	227609283	SCYGR10		112441436	0.456537924	0.654766775	-0.198228851
ENSG00000285659	chr8	7523643	7525642	NA	NA		0.454133969	0.703449841	-0.249315872
ENSG00000163430	chr3	120450517	120452516	FSTL1		11167	0.274265847	0.438823911	-0.164558064
ENSG00000288071	chr6	80084277	80086276	NA	NA		0.450228523	0.63383373	-0.183605207
ENSG00000257995	chr12	90622323	90624322	NA	NA		0.465452097	0.664555187	-0.199103089
ENSG00000283377	chr1	237943154	237945153	NA	NA		0.39782507	0.570687705	-0.172862636
ENSG00000278040	chr9	75016349	75018348	NA	NA		0.20062908	0.473893217	-0.273264137
ENSG00000271711	chr3	150611378	150613377	SAP30P1	NA		0.495025354	0.687887789	-0.192862436

ENSG00000283782	chr5	132409332	132411331	NA	NA		0.468456177	0.660093067	-0.19163689
ENSG00000232905	chr9	113851133	113853132	NA	NA		0.449412484	0.643979102	-0.194566618
ENSG00000225578	chr3	196938377	196940376	NCBP2-AS1		100874001	0.401882385	0.597436317	-0.195553933
ENSG00000261624	chr7	141350477	141352476	NDUFB10P2	NA		0.415857031	0.667267413	-0.251410382
ENSG00000172346	chr22	41559510	41561509	CSDC2		27254	0.499782061	0.692257361	-0.1924753
ENSG00000136925	chr9	97632869	97634868	TSTD2		158427	0.46662384	0.691643071	-0.225019231
ENSG00000187037	chr7	37682266	37684265	GPR141		353345	0.421587886	0.644193552	-0.222605666
ENSG00000048052	chr7	18085449	18087448	HDAC9		9734	0.358756964	0.522845336	-0.164088373
ENSG00000280140	chr4	158111432	158113431	NA	NA		0.360691977	0.559633507	-0.198941529
ENSG00000250594	chr4	110264518	110266517	RNF14P2	NA		0.335863519	0.499872736	-0.164009217
ENSG00000286231	chr1	220785490	220787489	NA	NA		0.40738104	0.243400948	0.163980092
ENSG00000255250	chr11	86725855	86727854	NA	NA		0.461178782	0.663582373	-0.202403591
ENSG00000266369	chr17	20854446	20856445	NA	NA		0.363064247	0.531299245	-0.168234998
ENSG00000215236	chr9	15359893	15361892	RPL7P33	NA		0.423866282	0.597513122	-0.17364684
ENSG00000282502	chr3	149463615	149465614	FKBP1AP4	NA		0.323323892	0.57366527	-0.250341378
ENSG00000184076	chr22	29765869	29767868	UQCR10		29796	0.435784036	0.61843557	-0.182651534
ENSG00000264924	chr18	24120504	24122503	NA	NA		0.401753754	0.626754109	-0.225000355
ENSG00000033867	chr3	27483921	27485920	SLC4A7		9497	0.486124616	0.684492357	-0.198367741
ENSG00000266397	chr18	2965518	2967517	NA	NA		0.463055905	0.633656465	-0.17060056
ENSG00000264186	chr18	2989152	2991151	SNRPCP4	NA		0.463055905	0.633656465	-0.17060056
ENSG00000207650	chr3	195697901	195699900	MIR570		693155	0.45967536	0.658355297	-0.198679937
ENSG00000230171	chr10	80124441	80126440	RPL22P18	NA		0.439701471	0.626231295	-0.186529824
ENSG00000286465	chr18	27452966	27454965	NA	NA		0.363569807	0.532340086	-0.168770279
ENSG00000172459	chr11	56662186	56664185	OR5AR1		219493	0.446087713	0.637555539	-0.191467826
ENSG00000258558	chr14	30822203	30824202	NA	NA		0.472527827	0.670505777	-0.197977951
ENSG00000196872	chr2	98935760	98937759	CRACDL		343990	0.425924527	0.653235208	-0.227310681
ENSG00000113163	chr5	75511639	75513638	CERT1		10087	0.448896165	0.6431806	-0.194284434
ENSG00000116711	chr1	186827449	186829448	PLA2G4A		5321	0.309176986	0.512887804	-0.203710818
ENSG00000186226	chr1	152784714	152786713	LCE1E		353135	0.265123226	0.428381106	-0.163257879
ENSG00000235469	chr10	59551379	59553378	MRPL50P4	NA		0.460944254	0.648393157	-0.187448903
ENSG00000289954	chr10	110641745	110643744	NA	NA		0.346827407	0.598969876	-0.25214247
ENSG00000279144	chr3	52848054	52850053	NA	NA		0.486270813	0.693294687	-0.207023874
ENSG00000229621	chr2	21710157	21712156	LINC01822		645949	0.38413989	0.547089365	-0.162949475
ENSG00000243544	chr3	121653797	121655796	RN7SL172P	NA		0.244688924	0.449426039	-0.204737115

ENSG00000211809	chr14	22146495	22148494	TRAV27	NA		0.458159411	0.651829392	-0.193669981
ENSG00000234840	chr9	22644700	22646699	LINC01239		441389	0.459645587	0.633988996	-0.174343409
ENSG00000291291	chr21	14821307	14823306	NA	NA		0.43377664	0.623736726	-0.189960086
ENSG00000253957	chr14	106257724	106259723	IGHV3-22	NA		0.374204	0.549250339	-0.175046339
ENSG00000253065	chr5	168032706	168034705	NA	NA		0.483284155	0.668666898	-0.185382744
ENSG00000257750	chr12	73757157	73759156	LINC02445	NA		0.386565703	0.631705995	-0.245140292
ENSG00000279072	chr7	56848301	56850300	NA	NA		0.483236033	0.691521907	-0.208285874
ENSG00000144668	chr3	37450615	37452614	ITGA9		3680	0.454017557	0.646984516	-0.192966958
ENSG00000229521	chr13	77080691	77082690	MYCBP2-AS2		100874213	0.434921512	0.6712072	-0.236285687
ENSG00000010282	chr3	42702325	42704324	HHATL		57467	0.274014632	0.436533547	-0.162518915
ENSG00000253495	chr8	119617975	119619974	CYCSP23	NA		0.358113695	0.546361833	-0.188248138
ENSG00000259493	chr15	79559805	79561804	TFDP1P3	NA		0.451150987	0.642821385	-0.191670398
ENSG00000253634	chr8	92655077	92657076	NA	NA		0.420116554	0.586139186	-0.166022631
ENSG00000151631	chr10	4891476	4893475	AKR1C6P	NA		0.498653411	0.703336056	-0.204682645
ENSG00000270521	chr6	66710328	66712327	NA	NA		0.386621004	0.616285091	-0.229664087
ENSG00000173908	chr17	40799460	40801459	KRT28		162605	0.445601714	0.630350571	-0.184748856
ENSG00000248330	chr4	135913181	135915180	LINC00613		100507528	0.475344035	0.666367916	-0.191023881
ENSG00000269271	chr19	54587941	54589940	NA	NA		0.352194443	0.51456573	-0.162371287
ENSG00000138382	chr2	169824432	169826431	METTL5		29081	0.415320596	0.591929852	-0.176609256
ENSG00000213539	chr9	109533833	109535832	YBX1P6	NA		0.381360271	0.637488182	-0.256127911
ENSG00000265939	chr18	22900496	22902495	UBE2CP2	NA		0.444289859	0.632688465	-0.188398606
ENSG00000142556	chr19	52029741	52031740	ZNF614		80110	0.488172728	0.680947015	-0.192774287
ENSG00000198553	chr13	50013754	50015753	KCNRG		283518	0.441567724	0.618527089	-0.176959366
ENSG00000272293	chr8	450844	452843	NA	NA		0.442170807	0.629603688	-0.187432881
ENSG00000279939	chr12	89543989	89545988	NA	NA		0.432388574	0.615559734	-0.18317116
ENSG00000241961	chr8	67405015	67407014	RPL17P31	NA		0.339553132	0.544148075	-0.204594942
ENSG00000248107	chr5	126178065	126180064	LINC02039		102546228	0.488980743	0.670628001	-0.181647258
ENSG00000265182	chr18	49496397	49498396	SRP72P1	NA		0.490034299	0.695854119	-0.20581982
ENSG00000272982	chr1	111180992	111182991	NA	NA		0.396402148	0.567995655	-0.171593507
ENSG00000115828	chr2	37341327	37343326	QPCT		25797	0.436380849	0.658722418	-0.222341569
ENSG00000138594	chr15	51828128	51830127	TMOD3		29766	0.500981013	0.698739994	-0.197758981
ENSG00000255100	chr11	76782563	76784562	TSKU-AS1		101928837	0.514490522	0.714805085	-0.200314562
ENSG00000258466	chr14	67689868	67691867	NA	NA		0.509820962	0.724295572	-0.21447461
ENSG00000274168	chr13	94699003	94701002	RN7SL585P	NA		0.459832043	0.643810582	-0.183978539

ENSG00000207608	chr14	100881479	100883478	MIR127		406914	0.463405786	0.664293892	-0.200888106
ENSG00000199884	chr2	152283961	152285960	NA	NA		0.314779179	0.550694055	-0.235914875
ENSG00000116299	chr1	109112179	109114178	ELAPOR1		57535	0.476038522	0.673123123	-0.197084601
ENSG00000251542	chr5	114574541	114576540	LINC01957		101927059	0.453288283	0.656380307	-0.203092025
ENSG00000249729	chr4	44840903	44842902	NA	NA		0.439855105	0.623729147	-0.183874043
ENSG00000222030	chr2	59216208	59218207	LINC01793		101927285	0.403062884	0.612162664	-0.20909978
ENSG00000230581	chr9	6832956	6834955	ACTG1P14	NA		0.41370356	0.60737066	-0.193667099
ENSG00000232215	chr1	248001629	248003628	OR2L6P	NA		0.407951286	0.56925735	-0.161306064
ENSG00000243920	chr4	57352830	57354829	RPS26P24	NA		0.413004191	0.613190418	-0.200186227
ENSG00000200830	chr12	14553471	14555470	RN7SKP134	NA		0.406822853	0.592191486	-0.185368633
ENSG00000215004	chr3	29085896	29087895	MESTP4	NA		0.426902609	0.638413736	-0.211511127
ENSG00000200895	chr6	131818834	131820833	RN7SKP245	NA		0.467606628	0.663673078	-0.196066451
ENSG00000120162	chr9	27529315	27531314	MOB3B		79817	0.492014129	0.674500438	-0.182486309
ENSG00000203546	chr14	31456942	31458941	NA	NA		0.443256742	0.634052315	-0.190795574
ENSG00000251185	chr4	75360683	75362682	NA	NA		0.417018384	0.603440765	-0.186422381
ENSG00000248459	chr3	129997031	129999030	RPS17P9	NA		0.48902932	0.693559887	-0.204530567
ENSG0000025039	chr6	89411774	89413773	RRAGD		58528	0.474950814	0.673670641	-0.198719827
ENSG00000206836	chr2	197446245	197448244	RNU6-1029P	NA		0.403778338	0.603251816	-0.199473478
ENSG00000248692	chr4	62165055	62167054	ADGRL3-AS1	NA		0.377295541	0.581931495	-0.204635953
ENSG00000227941	chr1	162541129	162543128	UQCRBP2	NA		0.354962851	0.522958223	-0.167995372
ENSG00000091986	chr3	112649031	112651030	CCDC80		151887	0.452100913	0.640062131	-0.187961218
ENSG00000043143	chr5	134522812	134524811	JADE2		23338	0.496768882	0.693887726	-0.197118844
ENSG00000200437	chr17	15309845	15311844	RNU6-799P	NA		0.491239773	0.696398089	-0.205158316
ENSG00000111817	chr6	116252673	116254672	DSE		29940	0.432124979	0.611496565	-0.179371586
ENSG00000174718	chr12	31957870	31959869	RESF1		55196	0.490597903	0.668026972	-0.177429069
ENSG00000235352	chr2	144755499	144757498	SGCEP1	NA		0.343465499	0.565007123	-0.221541624
ENSG00000254737	chr11	124011497	124013496	OR10G4		390264	0.443127525	0.637481504	-0.194353979
ENSG00000202471	chr12	59586444	59588443	RNU4-20P	NA		0.478162408	0.675291192	-0.197128783
ENSG00000229626	chr7	107807234	107809233	PIGCP2	NA		0.418982872	0.60822733	-0.189244458
ENSG00000252530	chr1	101728238	101730237	RNU6-965P	NA		0.492590537	0.672147263	-0.179556726
ENSG00000213296	chr7	124479024	124481023	NA	NA		0.363421065	0.554679624	-0.191258559
ENSG00000254617	chr11	89885866	89887865	NA	NA		0.497699708	0.685390959	-0.187691251
ENSG00000238840	chr10	4962069	4964068	NA	NA		0.353011463	0.546717706	-0.193706243
ENSG00000113100	chr5	27120651	27122650	CDH9		1007	0.401424967	0.61932988	-0.217904912

ENSG00000111052	chr12	80937435	80939434	LIN7A		8825	0.460280702	0.652153078	-0.191872376
ENSG00000147854	chr9	6411651	6413650	UHRF2		115426	0.476798724	0.671537808	-0.194739084
ENSG00000278525	chr20	20738232	20740231	RN7SL607P	NA		0.485563836	0.653586268	-0.168022432
ENSG00000064313	chr8	119832364	119834363	TAF2		6873	0.485616442	0.682648307	-0.197031865
ENSG00000257604	chr12	79500188	79502187	NA	NA		0.296533429	0.45663157	-0.160098141
ENSG00000250812	chr4	55217844	55219843	METTL5P3	NA		0.509161654	0.707824652	-0.198662999
ENSG00000115604	chr2	102310029	102312028	IL18R1		8809	0.407395876	0.665104523	-0.257708648
ENSG00000252653	chr17	66266243	66268242	RNA5SP444	NA		0.464738763	0.683850234	-0.219111471
ENSG00000234233	chr1	211132875	211134874	KCNH1-IT1	NA		0.445724747	0.632629604	-0.186904857
ENSG00000229483	chr13	23170098	23172097	LINC00362	NA		0.437512741	0.63121362	-0.193700879
ENSG00000254575	chr8	14159584	14161583	NA	NA		0.447300329	0.612481098	-0.165180769
ENSG00000261198	chr16	7614493	7616492	NA	NA		0.458183311	0.649793284	-0.191609973
ENSG00000205578	chr7	73291997	73293996	POM121B	NA		0.517986538	0.715206815	-0.197220277
ENSG00000145041	chr3	51499516	51501515	DCAF1		9730	0.481156016	0.678781965	-0.197625948
ENSG00000148841	chr10	104337966	104339965	ITPRIP		85450	0.41858754	0.593829989	-0.175242449
ENSG00000253676	chr8	106697514	106699513	TAGLN2P1	NA		0.332580263	0.513889088	-0.181308825
ENSG00000252338	chr1	75537620	75539619	RNU6-503P	NA		0.478421773	0.654745146	-0.176323373
ENSG00000224563	chr3	188568167	188570166	LPP-AS1		100873917	0.423617212	0.594129881	-0.170512669
ENSG00000096872	chr9	26945539	26947538	IFT74		80173	0.48079484	0.643606805	-0.162811965
ENSG00000018625	chr1	160114259	160116258	ATP1A2		477	0.474438798	0.669286698	-0.1948479
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ENSG00000253049	chr3	3101413	3103412	NA	NA		0.467761339	0.655979665	-0.188218326
ENSG00000201852	chr18	22179719	22181718	RNU6-702P	NA		0.3800563	0.558056137	-0.177999837
ENSG00000253614	chr8	57259726	57261725	NA		286177	0.438891494	0.608126918	-0.169235424
ENSG00000137601	chr4	169612133	169614132	NEK1		4750	0.44107702	0.629768431	-0.188691411
ENSG00000236959	chr4	69813389	69815388	SULT1D1P	NA		0.33447471	0.569492385	-0.235017674
ENSG00000161013	chr5	179806453	179808452	MGAT4B		11282	0.479479405	0.672789986	-0.193310581
ENSG00000253368	chr1	26992192	26994191	TRNP1		388610	0.473896758	0.647104527	-0.173207769
ENSG00000155833	chr9	102993811	102995810	CYLC2		1539	0.453287578	0.6292369	-0.175949321
ENSG00000242764	chr1	92402186	92404185	RN7SL824P	NA		0.484214155	0.668935883	-0.184721728
ENSG00000241891	chr14	81777114	81779113	RPL9P6	NA		0.449528617	0.644568451	-0.195039834
ENSG00000289113	chr2	209298174	209300173	NA	NA		0.482631203	0.681319259	-0.198688056
ENSG00000174125	chr4	38856318	38858317	TLR1		7096	0.360363161	0.548832977	-0.188469816
ENSG00000173267	chr10	86957099	86959098	SNCG		6623	0.515269859	0.726016891	-0.210747032

ENSG00000224451	chr13	51596916	51598915	ATP5PBP1	NA		0.447950771	0.629856028	-0.181905257
ENSG00000254531	chr4	101346252	101348251	NA		90024	0.480404535	0.671655142	-0.191250607
ENSG00000206684	chr1	172365040	172367039	RNU6-157P	NA		0.440561182	0.643621348	-0.203060166
ENSG00000163093	chr2	169477980	169479979	BBS5		129880	0.535854182	0.755843545	-0.219989363
ENSG00000113384	chr5	32173820	32175819	GOLPH3		64083	0.441453608	0.615420021	-0.173966412
ENSG00000260939	chr16	53010787	53012786	MTCH2P4	NA		0.393320056	0.636595745	-0.243275689
ENSG00000280177	chr17	39163573	39165572	NA	NA		0.517385348	0.72632708	-0.208941732
ENSG00000136045	chr12	107684299	107686298	PWP1		11137	0.48704765	0.685021062	-0.197973412
ENSG00000107897	chr10	27242547	27244546	ACBD5		91452	0.43859475	0.611644855	-0.173050105
ENSG00000221493	chr18	21682010	21684009	MIR320C1	NA		0.406058193	0.658756523	-0.25269833
ENSG00000287899	chr3	171940107	171942106	NA	NA		0.419908388	0.619662447	-0.199754058
ENSG00000290838	chr7	73219124	73221123	NCF1B		654816	0.495264526	0.6609962	-0.165731674
ENSG00000251356	chr5	91474882	91476881	RAB5CP2	NA		0.465406801	0.641424121	-0.17601732
ENSG00000048740	chr10	10796897	10798896	CELF2		10659	0.521490587	0.734771278	-0.213280691
ENSG00000250340	chr4	58535829	58537828	LINC02494		105377671	0.408335207	0.612283824	-0.203948618
ENSG00000280958	chr7	78168695	78170694	NA	NA		0.403014055	0.607444527	-0.204430472
ENSG00000214881	chr10	68544334	68546333	TMEM14DP	NA		0.469206569	0.654321876	-0.185115308
ENSG00000225121	chr6	63478634	63480633	EEF1B2P5	NA		0.501676246	0.706646116	-0.20496987
ENSG00000246541	chr4	94207057	94209056	SMARCAD1-DT		101929210	0.442732762	0.61870765	-0.175974889
ENSG00000011132	chr19	3761193	3763192	APBA3		9546	0.51132721	0.719917427	-0.208590217
ENSG00000184139	chr4	131857414	131859413	RPL7AP28	NA		0.428885045	0.6024366	-0.173551555
ENSG00000163072	chr2	168785039	168787038	NOSTRIN		115677	0.499731328	0.703625549	-0.20389422
ENSG00000151012	chr4	138241850	138243849	SLC7A11		23657	0.437320542	0.639219065	-0.201898523
ENSG00000254632	chr11	76768123	76770122	NA	NA		0.439465907	0.612917456	-0.173451549
ENSG00000164074	chr4	127963815	127965814	ABHD18		80167	0.333585052	0.558638578	-0.225053526
ENSG00000253925	chr5	168187220	168189219	NA	NA		0.470331278	0.662293268	-0.19196199
ENSG00000260271	chr6	90294007	90296006	NA	NA		0.4107988	0.570777953	-0.159979153
ENSG00000250903	chr6	2244218	2246217	GMDS-DT	NA		0.489881381	0.697213424	-0.207332043
ENSG00000254104	chr8	262815	264814	NA	NA		0.495226918	0.696639193	-0.201412275
ENSG00000287857	chr10	113869115	113871114	NA	NA		0.441323	0.621126406	-0.179803406
ENSG00000288099	chr1	237011873	237013872	NA	NA		0.442092947	0.603762401	-0.161669455
ENSG00000230096	chr10	4425680	4427679	NA	NA		0.384483127	0.577671757	-0.19318863
ENSG00000254547	chr11	55874038	55876037	ANKRD33BP6	NA		0.363156845	0.560905094	-0.197748249
ENSG00000131473	chr17	41930043	41932042	ACLY		47	0.501400374	0.704758137	-0.203357763

ENSG00000255995	chr11	93990930	93992929	NA	NA		0.38444349	0.544496736	-0.160053246
ENSG00000224476	chr19	41168361	41170360	RPL36P16	NA		0.478742319	0.673041602	-0.194299283
ENSG00000101247	chr20	13783507	13785506	NDUFAF5		79133	0.453209194	0.659461896	-0.206252702
ENSG00000256220	chr11	61225668	61227667	NA	NA		0.512585585	0.709501749	-0.196916164
ENSG00000238456	chr15	46659158	46661157	RNU6-1014P	NA		0.426129165	0.630152301	-0.204023136
ENSG00000138075	chr2	43838366	43840365	ABCG5		64240	0.488712387	0.677891576	-0.189179189
ENSG00000222594	chr4	145033632	145035631	RN7SKP235	NA		0.468036316	0.658041692	-0.190005376
ENSG00000224488	chr9	17448044	17450043	SAMM50P1	NA		0.471584998	0.662979082	-0.191394084
ENSG00000165120	chr7	130204844	130206843	SSMEM1		136263	0.502782855	0.705949958	-0.203167103
ENSG00000226338	chr2	153207664	153209663	NA	NA		0.317520323	0.579060232	-0.261539909
ENSG00000227301	chr9	33718190	33720189	NA	NA		0.630091657	0.44814717	0.181944487
ENSG00000286779	chr13	33798638	33800637	NA	NA		0.433292125	0.650921473	-0.217629348
ENSG00000166471	chr11	9314137	9316136	TMEM41B		440026	0.5243436	0.726040304	-0.201696704
ENSG00000196553	chr14	66410204	66412203	CCDC196		440184	0.525321365	0.737656855	-0.21233549
ENSG00000241749	chr12	65758499	65760498	RPSAP52	NA		0.492687025	0.691923287	-0.199236262

mean.mean.quot.log2	comb.p.val	comb.p.adj.fdr	combinedRank	num.sites	mean.num.na.Low	mean.num.na.Normal	mean.mean.covg.Low
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-0.995716199	0.000980336	0.255606275	217	1	0	0	10.57142857
-0.982789995	0.003937493	0.255606275	242	1	0	0	26.28571429
-0.967163214	0.003007825	0.255606275	258	2	0	0	10.5
-0.94365719	0.004400502	0.255606275	284	1	0	0	15.42857143
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-0.933637338	6.65E-07	0.031361942	301	1	0	0	14.42857143
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0.941022927	0.003200622	0.255606275	314	1	0	0	13.71428571
0.915395241	0.000859687	0.255606275	327	1	0	0	13.85714286
0.986380102	0.005222677	0.255606275	334	2	0	0	13.42857143
0.909421003	0.003138422	0.255606275	338	1	0	0	11.28571429
0.909088031	0.004564509	0.255606275	339	1	0	0	13
0.906127004	0.005292259	0.255606275	346	1	0	0	12
0.901054674	0.002673588	0.255606275	347	1	0	0	10.57142857
0.89954622	0.005059919	0.255606275	351	1	0	0	13.57142857
0.893183483	0.004958235	0.255606275	362	1	0	0	14.71428571
0.882154177	0.003930676	0.255606275	373	3	0	0	13.95238095
1.017009969	0.005455813	0.255606275	375	1	0	0	12.85714286
0.879889521	0.003116279	0.255606275	375	1	0	0	10.71428571
0.926101272	0.005491368	0.255606275	379	1	0	0	12
1.039940738	0.005497051	0.255606275	380	2	0	0	13.21428571
0.873445959	0.002198946	0.255606275	386	1	0	0	13.42857143
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-0.915534786	0.006000775	0.255606275	440	1	0	0	16
-0.836544975	0.002610866	0.255606275	460	1	0	0	12.42857143
-0.833860607	0.00048605	0.255606275	468	1	0	0	8.857142857
-0.929102913	0.006353327	0.255606275	472	1	0	0	13.71428571
-0.831207941	0.002046676	0.255606275	479	1	0	0	8.428571429
-0.954589105	0.00646595	0.255606275	485	1	0	0	12.71428571
-0.825882668	0.006104887	0.255606275	488	2	0	0	13.42857143
-0.823726899	0.006164823	0.255606275	493	3	0	0	13
-0.814507703	0.000854167	0.255606275	508	1	0	0	9.714285714
-0.809968646	0.002651128	0.255606275	516	1	0	0	12.28571429
-0.806919755	0.003552696	0.255606275	523	1	0	0	13.42857143
-0.833694108	0.006725775	0.255606275	527	1	0	0	12.57142857
-0.806127542	0.002467714	0.255606275	528	1	0	0	12.85714286
-0.805702895	0.005077431	0.255606275	530	1	0	0	14.14285714
-0.805645275	0.003972846	0.255606275	531	1	0	0	13.85714286
-0.803855141	0.005284157	0.255606275	536	1	0	0	12.42857143
-0.803400297	0.006675358	0.255606275	537	1	0	0	16.28571429
-0.952195885	0.006812354	0.255606275	540	2	0	0	13.64285714
-0.801687779	0.005792093	0.255606275	544	1	0	0	13.57142857
-0.834760536	0.006897004	0.255606275	547	1	0	0	13.42857143
-0.800662155	0.005731396	0.255606275	548	1	0	0	15.42857143
-0.893435206	0.006901719	0.255606275	549	1	0	0	11.28571429
-0.796860582	0.00480973	0.255606275	554	2	0	0	10.78571429
-0.795838446	0.005402635	0.255606275	557	1	0	0	18
-0.793138403	0.00523951	0.255606275	565	1	0	0	14.71428571
-0.792717938	0.005915575	0.255606275	566	1	0	0	11.42857143
1.058719817	0.00678432	0.255606275	567	1	0	0	14.57142857
-0.789483459	0.003478557	0.255606275	577	2	0	0	12.35714286

-0.826261005	0.007062969	0.255606275	577	1	0	0	11
-0.789198911	0.005500047	0.255606275	580	3	0	0	11.38095238
-0.78587023	0.003952684	0.255606275	585	3	0	0	13.19047619
-0.785341915	0.002622492	0.255606275	586	1	0	0	12.42857143
-0.783436465	0.001742779	0.255606275	593	1	0	0	12.71428571
-0.801268305	0.007249336	0.255606275	596	1	0	0	15.42857143
-0.795015114	0.002418761	0.255606275	597	3	0	0	11.71428571
-0.793798613	0.007256243	0.255606275	597	1	0	0	12.71428571
-0.775344596	0.002448551	0.255606275	610	1	0	0	11.71428571
0.773899035	0.004858424	0.255606275	616	1	0	0	12.42857143
0.860992709	0.00749355	0.255606275	622	1	0	0	13.14285714
0.771662546	0.005786562	0.255606275	626	2	0	0	12.5
0.770946033	0.006957467	0.255606275	628	3	0	0	13.80952381
0.886506179	0.007532873	0.255606275	629	2	0	0	12.5
0.770388491	0.006579736	0.255606275	630	2	0	0	13.92857143
0.770064054	0.005453701	0.255606275	631	2	0	0	12.92857143
0.769341526	0.006898433	0.255606275	634	1	0	0	12.71428571
0.768639387	0.003872931	0.255606275	635	2	0	0	13.14285714
0.767912872	0.002199772	0.255606275	637	2	0	0	12
0.817554263	0.007642874	0.255606275	646	3	0	0	13.57142857
0.817554263	0.007642874	0.255606275	646	3	0	0	13.57142857
0.764835136	0.002879534	0.255606275	649	1	0	0	11.14285714
0.758902749	0.005506402	0.255606275	668	3	0	0	11.19047619
0.758415462	0.003309476	0.255606275	670	3	0	0	12.85714286
0.7569967	0.00535162	0.255606275	676	1	0	0	18.28571429
0.765679001	0.007816237	0.255606275	677	1	0	0	11
0.756837754	0.004639887	0.255606275	678	1	0	0	14.42857143
0.790031081	0.007817773	0.255606275	678	2	0	0	13.35714286
0.755728313	0.000999668	0.255606275	684	1	0	0	10.57142857
0.755259937	0.007830842	0.255606275	686	1	0	0	12.42857143
0.755054632	0.006183736	0.255606275	687	1	0	0	12.42857143
0.754765511	0.005569191	0.255606275	689	1	0	0	13.57142857
0.900851668	0.007893508	0.255606275	689	2	0	0	14.42857143
0.754189734	0.003947947	0.255606275	690	1	0	0	11.71428571

0.750495678	0.005640109	0.255606275	699	4	0	0	13.5
0.948548291	0.007951518	0.255606275	700	1	0	0	13.14285714
0.928482008	0.007966704	0.255606275	702	1	0	0	10.85714286
0.748877117	0.00604938	0.255606275	706	4	0	0	11.96428571
0.748228629	0.006133471	0.255606275	709	3	0	0	11.33333333
0.747002769	0.006493744	0.255606275	711	2	0	0	12.78571429
1.105098228	0.008050359	0.255606275	711	1	0	0	14.42857143
0.746500529	0.004991984	0.255606275	713	3	0	0	13.23809524
0.745533838	0.007929895	0.255606275	717	1	0	0	12.71428571
0.744380269	0.006009456	0.255606275	721	2	0	0	14.14285714
0.743955157	0.006504663	0.255606275	723	1	0	0	13.42857143
0.743267753	0.007930669	0.255606275	724	1	0	0	13.14285714
0.779868981	0.008228358	0.255606275	734	1	0	0	10.28571429
0.816984738	0.008235544	0.255606275	736	4	0	0	12.25
0.73958025	0.006062781	0.255606275	740	1	0	0	12.28571429
0.897174295	0.00827434	0.255606275	741	1	0	0	13.57142857
0.877388349	0.008287298	0.255606275	744	3	0	0	14
1.149411677	0.008313126	0.255606275	747	1	0	0	12.71428571
0.737336509	0.004101163	0.255606275	749	2	0	0	12.42857143
0.737054117	0.005481966	0.255606275	750	1	0	0	11.28571429
0.790140839	0.008338739	0.255606275	751	1	0	0	14.42857143
0.767124572	0.008339663	0.255606275	752	2	0	0	10.5
0.853121319	0.008394772	0.255606275	759	1	0	0	15.57142857
0.734304518	0.006522987	0.255606275	762	1	0	0	12.42857143
0.733320671	0.005682881	0.255606275	769	3	0	0	12.76190476
0.733220826	0.003258807	0.255606275	770	4	0	0	14.07142857
0.835214166	0.008437956	0.255606275	770	1	0	0	6.285714286
0.775225178	0.008494749	0.255606275	774	2	0	0	14.78571429
0.730291352	0.001432995	0.255606275	779	3	0	0	12.66666667
0.730212742	0.006626675	0.255606275	780	1	0	0	12.71428571
0.730088866	0.001358926	0.255606275	781	1	0	0	13.42857143
0.728666322	0.004775962	0.255606275	785	3	0	0	14
0.835650466	0.008645303	0.255606275	792	1	0	0	10.57142857
0.726668321	0.004788133	0.255606275	793	4	0	0	11.85714286

0.725054685	0.001318547	0.255606275	798	1	0	0	12.71428571
0.914512879	0.008681475	0.255606275	799	1	0	0	10.71428571
0.722872277	0.003097946	0.255606275	803	2	0	0	10.07142857
0.795608167	0.008731814	0.255606275	806	2	0	0	18.85714286
0.97943753	0.008743932	0.255606275	808	1	0	0	12.85714286
0.850918903	0.008781118	0.255606275	812	1	0	0	14.14285714
0.718852344	0.0026165	0.255606275	816	1	0	0	8.714285714
0.71856003	0.005379815	0.255606275	817	1	0	0	14.42857143
0.71856003	0.005379815	0.255606275	817	1	0	0	14.42857143
0.717899827	0.00775795	0.255606275	820	2	0	0	14
0.733562778	0.008877888	0.255606275	825	3	0	0	15.23809524
0.757382444	0.008915394	0.255606275	834	1	0	0	11.71428571
0.832074718	0.008953372	0.255606275	839	1	0	0	17.14285714
0.728169847	0.008954823	0.255606275	840	1	0	0	13
0.749015318	0.00835123	0.255606275	842	1	0	0	9.714285714
0.764896877	0.008969417	0.255606275	842	2	0	0	11.92857143
0.712164001	0.004824108	0.255606275	850	2	0	0	14.07142857
0.711535535	0.005627304	0.255606275	856	2	0	0	17.21428571
0.71148677	0.00283504	0.255606275	857	3	0	0	11.80952381
0.710709907	0.006728988	0.255606275	859	1	0	0	17.42857143
0.775534356	0.009174347	0.255606275	865	1	0	0	14.28571429
0.70989645	0.00878321	0.255606275	866	2	0	0	15.85714286
0.723935738	0.009190848	0.255606275	867	1	0	0	10.85714286
0.709390599	0.003719117	0.255606275	868	4	0	0	11.82142857
0.709071132	0.006951905	0.255606275	870	4	0	0	13.67857143
0.70887017	0.005380243	0.255606275	872	2	0	0	12.21428571
0.759805953	0.009256291	0.255606275	873	1	0	0	15.42857143
0.706657527	0.0067026	0.255606275	877	1	0	0	15.71428571
0.951682752	0.009278356	0.255606275	877	1	0	0	7.714285714
0.706631591	0.008197319	0.255606275	878	1	0	0	15
0.706534643	0.002591413	0.255606275	879	2	0	0	13.71428571
0.706427016	0.006170752	0.255606275	880	3	0	0	13.04761905
0.918215688	0.009306036	0.255606275	880	1	0	0	14.42857143
0.705545547	0.002926017	0.255606275	883	1	0	0	11.42857143

0.704965449	0.008213023	0.255606275	887	3	0	0	14.19047619
0.706278667	0.009337915	0.255606275	888	1	0	0	12.57142857
0.704927386	0.003415248	0.255606275	888	1	0	0	11.14285714
0.704601205	0.003527783	0.255606275	889	3	0	0	13.9047619
0.704497842	0.005471948	0.255606275	891	1	0	0	14.85714286
0.704345973	0.008158398	0.255606275	892	1	0	0	13.71428571
0.738559298	0.009386208	0.255606275	895	5	0	0	11.8
0.704025577	0.004073544	0.255606275	895	3	0	0	14.23809524
0.767719453	0.00938749	0.255606275	896	1	0	0	8.285714286
0.703539703	0.005255756	0.255606275	897	4	0	0	13.53571429
0.760382828	0.00188168	0.255606275	900	1	0	0	11.85714286
0.70132833	0.005387976	0.255606275	906	4	0	0	12.85714286
0.700433298	0.003032635	0.255606275	911	1	0	0	9.285714286
0.760746706	0.009522273	0.255606275	915	2	0	0	13.42857143
0.697878648	0.005510436	0.255606275	919	3	0	0	12.66666667
0.697069094	0.006123386	0.255606275	923	2	0	0	9.5
0.774825494	0.009570292	0.255606275	925	1	0	0	11.42857143
0.693653281	0.007463546	0.255606275	934	2	0	0	15.64285714
0.693364015	0.007085721	0.255606275	936	3	0	0	13.76190476
0.691710326	0.005820668	0.255606275	941	5	0	0	13.48571429
0.690247709	0.004227312	0.255606275	945	3	0	0	13.71428571
0.74733743	0.006412237	0.255606275	947	1	0	0	15.57142857
0.803098454	0.009735093	0.255606275	951	1	0	0	16.57142857
0.688380443	0.00514792	0.255606275	952	1	0	0	12
0.688199045	0.005441135	0.255606275	953	1	0	0	14.71428571
0.748655602	0.009777961	0.255606275	956	2	0	0	11.92857143
0.687361925	0.006502274	0.255606275	957	3	0	0	12.95238095
0.686262703	0.00532885	0.255606275	960	3	0	0	13.33333333
0.735863148	0.00761348	0.255606275	962	1	0	0	13
0.68518298	0.005843472	0.255606275	964	1	0	0	12
0.731725246	0.009853945	0.255606275	964	2	0	0	16.07142857
0.685100455	0.008016293	0.255606275	966	2	0	0	13.5
0.683591145	0.009532017	0.255606275	969	1	0	0	14.28571429
0.681460208	0.004471317	0.255606275	974	1	0	0	14

0.710114097	0.009989587	0.255606275	976	2	0	0	12.14285714
0.680746558	0.005277338	0.255606275	979	1	0	0	13
0.700965615	0.010036785	0.255606275	979	1	0	0	12.71428571
0.680543642	0.007603061	0.255606275	980	2	0	0	11.28571429
0.680450226	0.007051922	0.255606275	982	2	0	0	7.5
0.680328542	0.003036501	0.255606275	983	1	0	0	12.28571429
0.679725092	0.002166462	0.255606275	987	1	0	0	13
0.67917137	0.004822876	0.255606275	990	4	0	0	11.96428571
0.695988166	0.004516151	0.255606275	991	1	0	0	10.28571429
0.677771371	0.002003949	0.255606275	997	1	0	0	12.28571429
0.676456843	0.003963901	0.255606275	1001	2	0	0	11.5
0.675601943	0.002865118	0.255606275	1003	2	0	0	10.57142857
0.741222749	0.010304016	0.255606275	1011	3	0	0	12.9047619
0.758278418	0.010322959	0.255606275	1014	1	0	0	11.85714286
0.817580676	0.010364456	0.255606275	1016	1	0	0	13
0.673588003	0.006818194	0.255606275	1020	1	0	0	12.28571429
0.711622317	0.010414658	0.255606275	1022	3	0	0	12.80952381
0.672567907	0.00693809	0.255606275	1023	1	0	0	5.857142857
0.680283131	0.010459346	0.255606275	1030	4	0	0	12.14285714
0.669909327	0.006969556	0.255606275	1033	2	0	0	12.78571429
0.849964252	0.010477114	0.255606275	1035	1	0	0	10.71428571
0.667967828	0.002866294	0.255606275	1042	4	0	0	12.25
0.667629026	0.010093098	0.255606275	1045	3	0	0	13.42857143
0.667192482	0.004007025	0.255606275	1048	2	0	0	17.64285714
0.666687855	0.004028149	0.255606275	1049	3	0	0	13.28571429
0.666574433	0.006866429	0.255606275	1050	3	0	0	11.80952381
0.882245913	0.0105938	0.255606275	1051	1	0	0	14
0.665831427	0.005439429	0.255606275	1054	3	0	0	12.80952381
0.664283969	0.005611752	0.255606275	1059	1	0	0	13.28571429
0.664056355	0.007047821	0.255606275	1062	3	0	0	12.47619048
0.663825529	0.006527431	0.255606275	1063	3	0	0	13.85714286
0.662991345	0.004692094	0.255606275	1067	1	0	0	10.14285714
0.662434492	0.008157451	0.255606275	1070	1	0	0	12.42857143
0.662189012	0.006588011	0.255606275	1071	1	0	0	12

0.784444976	0.010815023	0.255606275	1074	1	0	0	16.57142857
0.740987114	0.010827113	0.255606275	1075	3	0	0	11.47619048
0.720663982	0.00643475	0.255606275	1076	1	0	0	12.42857143
0.660897608	0.001085899	0.255606275	1076	3	0	0	11.80952381
0.660490878	0.007756288	0.255606275	1078	2	0	0	10.78571429
0.666213714	0.010878687	0.255606275	1081	3	0	0	13
0.71887511	0.010889092	0.255606275	1084	3	0	0	13.71428571
0.659284532	0.004341077	0.255606275	1085	1	0	0	14
0.65879888	0.010568099	0.255606275	1086	1	0	0	14.14285714
0.657901281	0.007105042	0.255606275	1088	1	0	0	10.57142857
0.657850974	0.007329119	0.255606275	1089	1	0	0	12.71428571
0.660371295	0.010917458	0.255606275	1091	5	0	0	12.97142857
0.657256639	0.005500521	0.255606275	1094	1	0	0	10.42857143
0.656468681	0.005293816	0.255606275	1096	1	0	0	14.85714286
0.697739493	0.010973314	0.255606275	1096	1	0	0	12.14285714
0.656109931	0.006499806	0.255606275	1098	1	0	0	12.28571429
0.874694747	0.010979695	0.255606275	1098	1	0	0	13.42857143
0.655844073	0.010302498	0.255606275	1103	1	0	0	11.71428571
0.654976703	0.005267839	0.255606275	1107	2	0	0	19.35714286
0.682150322	0.011065956	0.255606275	1112	4	0	0	13.03571429
0.654138015	0.004603443	0.255606275	1113	3	0	0	11.14285714
0.654010723	0.010055689	0.255606275	1114	3	0	0	12
1.050310447	0.011075742	0.255606275	1114	1	0	0	14.85714286
1.050310447	0.011075742	0.255606275	1114	1	0	0	14.85714286
0.653655476	0.003331004	0.255606275	1116	3	0	0	14.04761905
0.653655476	0.003331004	0.255606275	1116	3	0	0	14.04761905
0.665216104	0.00806918	0.255606275	1116	1	0	0	10.85714286
0.65364344	0.004984908	0.255606275	1118	1	0	0	16.42857143
0.653013112	0.004046114	0.255606275	1120	3	0	0	10.85714286
0.756037507	0.011107233	0.255606275	1121	3	0	0	10.19047619
0.679057934	0.011117861	0.255606275	1124	4	0	0	12.32142857
0.652515669	0.008508706	0.255606275	1125	6	0	0	13.47619048
0.897878863	0.011125623	0.255606275	1126	1	0	0	13.85714286
0.652447386	0.007143049	0.255606275	1126	2	0	0	10.5

0.869472208	0.011140228	0.255606275	1127	1	0	0	7.571428571
0.651101727	0.009596815	0.255606275	1136	5	0	0	12.51428571
0.720403731	0.011203614	0.255606275	1139	5	0	0	12.02857143
0.650002476	0.008589032	0.255606275	1142	3	0	0	12.42857143
0.737033765	0.011229417	0.255606275	1143	2	0	0	12.64285714
0.649807946	0.008884128	0.255606275	1144	3	0	0	13.95238095
0.649807946	0.008884128	0.255606275	1144	3	0	0	13.95238095
0.784392807	0.011250923	0.255606275	1152	3	0	0	12.14285714
0.648148559	0.001935702	0.255606275	1153	4	0	0	10.60714286
0.850628656	0.011294534	0.255606275	1158	1	0	0	12.85714286
0.646367189	0.007021458	0.255606275	1161	1	0	0	15.71428571
0.646049152	0.009131659	0.255606275	1165	2	0	0	12.64285714
0.673844194	0.011358072	0.255606275	1168	1	0	0	13.57142857
0.673844194	0.011358072	0.255606275	1168	1	0	0	13.57142857
0.673844194	0.011358072	0.255606275	1168	1	0	0	13.57142857
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0.681132109	0.011358958	0.255606275	1172	3	0	0	13.42857143
0.870689591	0.011376905	0.255606275	1174	1	0	0	14
0.643911938	0.009103879	0.255606275	1176	3	0	0	13.76190476
0.643056313	0.010443945	0.255606275	1181	1	0	0	11.14285714
0.773878825	0.011421636	0.255606275	1182	2	0	0	12
0.642897968	0.010870299	0.255606275	1183	1	0	0	12.71428571
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-0.641791553	0.002023434	0.255606275	1188	1	0	0	11.57142857
-0.641738209	0.010878788	0.255606275	1189	1	0	0	11.57142857
-0.641638794	0.008712109	0.255606275	1191	4	0	0	11.35714286
-0.646517377	0.011624831	0.255606275	1192	2	0	0	13.85714286
-0.641037919	0.007013887	0.255606275	1192	2	0	0	12.07142857
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-0.576332569	0.012864793	0.255606275	1670	2	0	0	13.21428571
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-0.574068242	0.013637573	0.255606275	1699	1	0	0	13.85714286
-0.688874015	0.014747442	0.255606275	1704	1	0	0	13.42857143
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-0.676760123	0.008583127	0.255606275	1751	2	0	0	12.78571429
-0.599464426	0.015003393	0.255606275	1751	2	0	0	14.07142857
-0.568201919	0.011235165	0.255606275	1752	2	0	0	13.57142857
-0.568197228	0.004507423	0.255606275	1753	3	0	0	13.80952381
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-0.561068197	0.005220951	0.255606275	1801	1	0	0	10.57142857
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-0.601376968	0.015279406	0.255606275	1810	1	0	0	14.42857143
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-0.546150028	0.008414634	0.255606275	1953	1	0	0	12.42857143
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-0.610927383	0.016456341	0.255606275	1993	2	0	0	11.5
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-0.551050746	0.01743749	0.255606275	2185	1	0	0	11.85714286
-0.528731183	0.000460769	0.255606275	2185	1	0	0	11.71428571
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-0.528504602	0.015537364	0.255606275	2188	1	0	0	12.57142857
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16.33333333	7	6
15.27777778	7	6
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13.16666667	7	5
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14.83333333	7	6
10.66666667	5	6
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14.33333333	7	6
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12.25	7	6
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16.5	7	6
13.8	7	5.8
12	7	6
13.05555556	6.66666667	6
11.08333333	6.5	5.5
13	7	6
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11.08333333	7	6
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11.75	6.75	6
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Dataset 4. CB samples PTB Low Protein vs Normal

id	Chromosome	Start	End	symbol	entrezID	mean.mean.Low	mean.mean.Normal	mean.mean.diff	
ENSG00000251546	chr2	89860982	89862981	IGKV1D-39	NA	0.579173206	0.342509356	0.236663849	
ENSG00000207595	chr9	124690942	124692941	MIR181A2		406954	0.563116482	0.367354048	0.195762434
ENSG00000183706	chr15	22093022	22095021	OR4N4		283694	0.581584073	0.223511954	0.358072119
ENSG00000073734	chr2	169030825	169032824	ABCB11		8647	0.61060364	0.289916809	0.320686831
ENSG00000138385	chr2	169790433	169792432	SSB		6741	0.575709851	0.375163858	0.200545993
ENSG00000255629	chr12	64147358	64149357	NA	NA		0.321455762	0.650946058	-0.329490296
ENSG00000250359	chr5	86086026	86088025	PTP4A1P4	NA		0.540919117	0.268765212	0.272153906
ENSG00000259788	chr1	162560809	162562808	UAP1-DT	NA		0.572033231	0.292570176	0.279463055
ENSG00000233427	chr1	28876837	28878836	NA	NA		0.610503001	0.312607728	0.297895273
ENSG00000239440	chr3	81984638	81986637	LINC02008		105377180	0.656673064	0.322687158	0.333985906
ENSG00000259294	chr7	101824230	101826229	NA	NA		0.557010836	0.286850999	0.270159837
ENSG00000136193	chr7	29989790	29991789	SCRN1		9805	0.273156018	0.604263536	-0.331107518
ENSG00000249066	chr4	60749075	60751074	LINC02496		105377248	0.564237703	0.290371572	0.273866131
ENSG00000121933	chr1	111563463	111565462	TMIGD3		57413	0.500873385	0.256095267	0.244778118
ENSG00000279840	chr12	47962970	47964969	NA	NA		0.355265581	0.678922194	-0.323656613
ENSG00000230154	chr2	11306525	11308524	AIDAP1	NA		0.640533278	0.322951991	0.317581287
ENSG00000259941	chr15	56396286	56398285	NA	NA		0.629247504	0.330334551	0.298912954
ENSG00000213047	chr1	197775197	197777196	DENND1B		163486	0.550433883	0.288443152	0.261990731
ENSG00000235056	chr2	195025871	195027870	NA	NA		0.632917402	0.333070814	0.299846588
ENSG00000249105	chr4	58117571	58119570	NA	NA		0.360056806	0.681055424	-0.320998619
ENSG00000164989	chr9	15551543	15553542	CCDC171		203238	0.628778578	0.332420651	0.296357927
ENSG00000225487	chr1	164921130	164923129	RPL35AP7	NA		0.576675311	0.305880482	0.270794829
ENSG00000104237	chr8	54507922	54509921	RP1		6101	0.298652404	0.557979337	-0.259326933
ENSG00000250643	chr3	129968795	129970794	NA	NA		0.557374262	0.270361984	0.287012278
ENSG00000286639	chr7	10239364	10241363	NA	NA		0.338201156	0.630771737	-0.29257058
ENSG00000135298	chr6	68633782	68635781	ADGRB3		577	0.268140599	0.518504449	-0.25036385
ENSG00000126653	chr17	30114021	30116020	NSRP1		84081	0.304589656	0.635762035	-0.33117238
ENSG00000145780	chr5	115544276	115546275	FEM1C		56929	0.596051476	0.320808058	0.275243418
ENSG00000241119	chr2	233670398	233672397	UGT1A9		54600	0.335024971	0.616960662	-0.281935691
ENSG00000211701	chr7	38367670	38369669	TRGV1	NA		0.346808349	0.642364766	-0.295556417
ENSG00000284999	chr6	105892542	105894541	NA	NA		0.29838841	0.580465236	-0.282076826
ENSG00000260468	chr16	10527703	10529702	LINC01290		106144584	0.670469479	0.362904318	0.30756516
ENSG00000108100	chr10	35245525	35247524	CCNY		219771	0.326793961	0.60023464	-0.273440679

ENSG00000176040	chr3	112033236	112035235	TMPRSS7		344805	0.687243044	0.374969892	0.312273152
ENSG00000135517	chr12	56468667	56470666	MIP		4284	0.54409924	0.29790057	0.246198669
ENSG00000249846	chr3	130110169	130112168	LINC02021		105374104	0.674230698	0.368329237	0.30590146
ENSG00000254974	chr11	74485552	74487551	NA	NA		0.362536644	0.660014918	-0.297478275
ENSG00000232153	chr2	34822227	34824226	NA	NA		0.631864537	0.345659965	0.286204572
ENSG00000289519	chr3	52899846	52901845	NA	NA		0.594913773	0.33339288	0.261520893
ENSG00000180376	chr3	56555661	56557660	CCDC66		285331	0.558099556	0.305146832	0.252952724
ENSG00000226445	chr6	169211754	169213753	THBS2-AS1	NA		0.358331388	0.653896091	-0.295564704
ENSG00000265253	chr3	113593376	113595375	MIR4446		100616476	0.327054581	0.625775322	-0.298720741
ENSG00000119231	chr3	196866356	196868355	SEN5		205564	0.631919681	0.349464131	0.28245555
ENSG00000148229	chr9	113410176	113412175	POLE3		54107	0.624226433	0.345817483	0.27840895
ENSG00000185420	chr1	246506813	246508812	SMYD3		64754	0.539006439	0.278329841	0.260676598
ENSG00000288967	chr5	12623475	12625474	NA	NA		0.611591174	0.339370568	0.272220606
ENSG00000136488	chr17	63896162	63898161	CSH1	1442;1444		0.585404912	0.297222104	0.288182808
ENSG00000151148	chr12	109475902	109477901	UBE3B		89910	0.354859043	0.634770659	-0.279911616
ENSG00000287794	chr5	122372012	122374011	NA	NA		0.34277562	0.610918632	-0.268143012
ENSG00000232479	chr2	202923109	202925108	KRT8P52	NA		0.652584991	0.366747469	0.285837522
ENSG00000263723	chr2	237868404	237870403	NA		124900521	0.678917544	0.382954608	0.295962935
ENSG00000091513	chr3	133744540	133746539	TF		7018	0.579089518	0.326724134	0.252365384
ENSG00000090539	chr3	184378554	184380553	CHRD		8646	0.347125223	0.626483952	-0.279358729
ENSG00000286208	chr2	131553507	131555506	NA	NA		0.538681292	0.30379902	0.234882273
ENSG00000135597	chr6	138987762	138989761	REPS1		85021	0.619976504	0.35039903	0.269577474
ENSG00000291187	chr9	27284370	27286369	REXO6P		158035	0.357532362	0.632419891	-0.274887529
ENSG00000274139	chr15	101495068	101497067	NA	NA		0.577228698	0.326374265	0.250854433
ENSG00000170153	chr4	141212378	141214377	RNF150		57484	0.331003029	0.585121752	-0.254118723
ENSG00000250337	chr5	27216214	27218213	PURPL		643401	0.620794701	0.315967013	0.304827688
ENSG00000248458	chr1	66676528	66678527	NA	NA		0.340271676	0.600572287	-0.260300611
ENSG00000231552	chr3	32621403	32623402	IGBP1P3	NA		0.634589773	0.351406077	0.283183697
ENSG00000238062	chr2	230995533	230997532	SPATA3-AS1		348761	0.608303329	0.344959055	0.263344274
ENSG00000197275	chr8	94474616	94476615	RAD54B		25788	0.601324309	0.319094686	0.282229623
ENSG00000225884	chr2	191791297	191793296	NA		729254	0.657866296	0.376737981	0.281128315
ENSG00000255642	chr12	63820521	63822520	PABPC1P4	NA		0.698173629	0.397913902	0.300259727
ENSG00000138769	chr4	75630217	75632216	CDKL2		8999	0.655218707	0.373889297	0.28132941
ENSG00000133678	chr10	80077146	80079145	TMEM254		80195	0.609723326	0.347738734	0.261984592

ENSG00000258622	chr14	42657419	42659418	NA	NA		0.198244606	0.423790646	-0.22554604
ENSG00000256734	chr11	18450369	18452368	NA	NA		0.386979859	0.664621774	-0.277641916
ENSG00000114771	chr3	151812573	151814572	AADAC		13	0.567382092	0.315637163	0.251744928
ENSG00000119508	chr9	99820355	99822354	NR4A3		8013	0.647473055	0.371955273	0.275517781
ENSG00000257809	chr12	56157721	56159720	MYL6B-AS1	NA		0.653047456	0.390451861	0.262595595
ENSG00000289201	chr4	24472452	24474451	NA	NA		0.683031102	0.392106647	0.290924455
ENSG00000291010	chr13	52193966	52195965	NA		100887750	0.654088258	0.375822833	0.278265425
ENSG00000226726	chr2	221531168	221533167	TMEM256P2	NA		0.33036366	0.583128755	-0.252765095
ENSG00000278959	chr7	93956020	93958019	NA	NA		0.297487791	0.521497642	-0.224009851
ENSG00000253143	chr8	70480124	70482123	NA	NA		0.36584284	0.641573592	-0.275730752
ENSG00000087077	chr7	100865887	100867886	TRIP6		7205	0.622511386	0.359544181	0.262967206
ENSG00000092529	chr15	42357998	42359997	CAPN3		825	0.608478265	0.351707587	0.256770678
ENSG00000233997	chr21	21745473	21747472	LINC01425		101927821	0.320364535	0.590037028	-0.269672492
ENSG00000277895	chr12	64452402	64454401	NA	NA		0.573959482	0.331726601	0.242232881
ENSG00000290550	chr5	86280960	86282959	NA	NA		0.369302729	0.636713047	-0.267410319
ENSG00000171596	chr2	231529946	231531945	NMUR1		10316	0.491716275	0.264822638	0.226893637
ENSG00000188234	chr10	45853376	45855375	AGAP4		119016	0.346628697	0.596172386	-0.249543689
ENSG00000276521	chr11	102966129	102968128	NA	NA		0.607346388	0.35219055	0.255155838
ENSG00000286995	chr7	49522708	49524707	NA	NA		0.627078456	0.363764494	0.263313962
ENSG00000226952	chr1	100097739	100099738	NA	NA		0.765410792	0.660784726	0.104626066
ENSG00000205476	chr14	99603708	99605707	CCDC85C		317762	0.361559401	0.622411461	-0.26085206
ENSG00000289581	chr1	183873011	183875010	NA	NA		0.595393613	0.333527898	0.261865715
ENSG00000198756	chr1	184037230	184039229	COLGALT2		23127	0.595393613	0.333527898	0.261865715
ENSG00000180233	chr7	30283097	30285096	ZNRF2		223082	0.350347963	0.602294543	-0.25194658
ENSG00000282978	chr3	101457233	101459232	BTF3P16	NA		0.362101132	0.618215988	-0.256114856
ENSG00000207952	chr14	31014243	31016242	MIR624		693209	0.580977356	0.338956541	0.242020815
ENSG00000256777	chr12	66276152	66278151	PDCL3P7	NA		0.648237423	0.379496767	0.268740657
ENSG00000264630	chr17	66416355	66418354	PRKCA-AS1	NA		0.698931133	0.406976618	0.291954515
ENSG00000206842	chr10	22785893	22787892	RNU6-413P	NA		0.615493476	0.360162073	0.255331403
ENSG00000083067	chr9	71446405	71448404	TRPM3		80036	0.567064436	0.323707918	0.243356518
ENSG00000163110	chr4	94450357	94452356	PDLIM5		10611	0.352758696	0.602512171	-0.249753475
ENSG00000250363	chr4	115919207	115921206	KRT18P21	NA		0.579144421	0.339032505	0.240111916
ENSG00000254558	chr11	89865051	89867050	ANKRD33BP8	NA		0.595637686	0.348854832	0.246782854
ENSG00000115380	chr2	55923640	55925639	EFEMP1		2202	0.396200457	0.675405313	-0.279204855

ENSG00000147613	chr8	86088122	86090121	PSKH2		85481	0.31000343	0.581670528	-0.271667098
ENSG00000257302	chr12	70670418	70672417	FAHD2P1	NA		0.351824544	0.600283679	-0.248459135
ENSG00000289179	chr4	174213975	174215974	NA	NA		0.626651957	0.37640858	0.250243377
ENSG00000064225	chr3	98730736	98732735	ST3GAL6		10402	0.314725519	0.616697421	-0.301971902
ENSG00000225742	chr3	194249704	194251703	LINC02036	NA		0.587013255	0.303677262	0.283335993
ENSG00000237444	chr21	25031030	25033029	NA	NA		0.593218472	0.359294847	0.233923625
ENSG00000225148	chr6	139876892	139878891	NA	NA		0.606283741	0.356546559	0.249737182
ENSG00000080618	chr13	46104534	46106533	CPB2		1361	0.579641683	0.346938734	0.232702949
ENSG00000173175	chr3	123448591	123450590	ADCY5		111	0.215231047	0.474502442	-0.259271395
ENSG00000251889	chr2	48340327	48342326	RNU4-49P	NA		0.652823768	0.404858528	0.24796524
ENSG00000279168	chr7	102678796	102680795	NA	NA		0.654666271	0.386438289	0.268227982
ENSG00000201672	chr14	100934991	100936990	SNORD113-4		767564	0.580622407	0.344157037	0.23646537
ENSG00000249919	chr5	119555159	119557158	FABP5P6	NA		0.35942214	0.608693763	-0.249271622
ENSG00000286486	chr1	244085806	244087805	NA	NA		0.587835842	0.347137998	0.240697844
ENSG00000225944	chr13	74827053	74829052	RIOK3P1	NA		0.643998365	0.370901521	0.273096844
ENSG00000163466	chr2	218215641	218217640	ARPC2		10109	0.304172416	0.544875422	-0.240703006
ENSG00000290426	chr15	78659144	78661143	NA	NA		0.3720278	0.627867987	-0.255840188
ENSG00000267583	chr18	35466589	35468588	ZNF24TR	NA		0.600722855	0.317919919	0.282802935
ENSG00000287953	chr7	54257078	54259077	NA	NA		0.339378179	0.616835858	-0.277457679
ENSG00000172238	chr4	93827253	93829252	ATOH1		474	0.560787231	0.247316039	0.313471192
ENSG00000270959	chr3	188153570	188155569	LPP-AS2		339929	0.59567035	0.353977288	0.241693061
ENSG00000250100	chr4	69129851	69131850	NA	NA		0.638235935	0.378917697	0.259318239
ENSG00000121892	chr4	39977457	39979456	PDS5A		23244	0.699847318	0.400495927	0.299351391
ENSG00000240355	chr7	46477441	46479440	NA	NA		0.651122454	0.379802756	0.271319699
ENSG00000259250	chr15	58586007	58588006	NA	NA		0.668787025	0.365766816	0.303020209
ENSG00000243095	chr8	39158202	39160201	RPL3P10	NA		0.616623074	0.366667975	0.249955099
ENSG00000200036	chr1	167004459	167006458	RNA5SP65	NA		0.391126111	0.640638173	-0.249512061
ENSG00000285742	chr13	84061606	84063605	NA	NA		0.551412345	0.329682499	0.221729846
ENSG00000253712	chr8	75176157	75178156	LINC02886	NA		0.59004664	0.326326038	0.263720602
ENSG00000284645	chr1	50251069	50253068	NA	NA		0.315901401	0.550100053	-0.234198653
ENSG00000242299	chr3	101576448	101578447	RPS18P5	NA		0.370913624	0.612125189	-0.241211565
ENSG00000249290	chr3	140459852	140461851	NA	NA		0.374431039	0.627726382	-0.253295343
ENSG00000200170	chr10	72219252	72221251	NA	NA		0.330857769	0.555394846	-0.224537077
ENSG00000261529	chr15	25346736	25348735	NA	NA		0.347527071	0.572710886	-0.225183815

ENSG00000236226	chr7	103028604	103030603	NA	NA		0.369671593	0.667585277	-0.297913684
ENSG00000167014	chr15	44955187	44957186	TERB2		145645	0.606758339	0.365670243	0.241088095
ENSG00000213701	chr5	97056859	97058858	SETP22	NA		0.534042604	0.319131691	0.214910912
ENSG00000176386	chr9	113275073	113277072	CDC26		246184	0.471083058	0.245225613	0.225857445
ENSG00000105835	chr7	106285467	106287466	NAMPT		10135	0.645268609	0.394330358	0.250938252
ENSG00000064651	chr5	128082266	128084265	SLC12A2		6558	0.345887753	0.605880702	-0.25999295
ENSG00000113196	chr5	154477728	154479727	HAND1		9421	0.210164006	0.424096609	-0.213932604
ENSG00000222370	chr1	220200177	220202176	SNORA36B		677818	0.287613291	0.526790023	-0.239176733
ENSG00000075624	chr7	5563403	5565402	ACTB		60	0.531341893	0.31890882	0.212433073
ENSG00000286552	chr1	38148044	38150043	NA	NA		0.385094294	0.640142984	-0.25504869
ENSG00000287987	chr1	38192119	38194118	NA	NA		0.385094294	0.640142984	-0.25504869
ENSG00000185697	chr8	66613748	66615747	MYBL1		4603	0.67735775	0.413191871	0.264165878
ENSG00000273637	chr1	38873995	38875994	NA	NA		0.352847306	0.60372747	-0.250880163
ENSG00000251413	chr10	48624594	48626593	NA	NA		0.349931812	0.598436231	-0.248504418
ENSG00000188981	chr4	3242869	3244868	MSANTD1		345222	0.291209075	0.526225546	-0.235016472
ENSG00000212559	chr13	94025099	94027098	RNA5SP35	NA		0.647707448	0.387037744	0.260669704
ENSG00000227206	chr6	29122710	29124709	NA	NA		0.508302971	0.298395207	0.209907763
ENSG00000226717	chr9	10611702	10613701	PTPRD-DT		101929428	0.591987723	0.344284008	0.247703715
ENSG00000173930	chr5	102295785	102297784	SLCO4C1		353189	0.372411217	0.612856904	-0.240445687
ENSG00000206692	chr1	171253523	171255522	NA	NA		0.383037032	0.630734129	-0.247697097
ENSG00000263436	chr10	101599917	101601916	MIR3158-1		100422900	0.437745497	0.718055809	-0.280310312
ENSG00000287871	chr2	122504619	122506618	NA	NA		0.386685002	0.639218342	-0.25253334
ENSG00000112335	chr6	108260747	108262746	SNX3		8724	0.6047791	0.349136868	0.255642232
ENSG00000164342	chr4	186067411	186069410	TLR3		7098	0.618489659	0.375741105	0.242748554
ENSG00000089505	chr16	66564893	66566892	CMTM1		113540	0.388721726	0.648561401	-0.259839675
ENSG00000200874	chr7	75512627	75514626	NA	NA		0.637938854	0.385448918	0.252489936
ENSG00000293504	chr5	137799693	137801692	NA		4888	0.630310813	0.381743192	0.248567621
ENSG00000241095	chr3	82807522	82809521	CYP51A1P1	NA		0.381253233	0.627471578	-0.246218345
ENSG00000211643	chr22	22317227	22319226	IGLV5-52	NA		0.604055704	0.352646414	0.25140929
ENSG00000199094	chr6	71376532	71378531	MIR30C2		407032	0.628704528	0.381358601	0.247345927
ENSG00000165271	chr9	33473431	33475430	NOL6		65083	0.584691251	0.297472652	0.287218598
ENSG00000258172	chr12	94276696	94278695	NA	NA		0.665533779	0.403932728	0.261601051
ENSG00000204121	chr2	232419317	232421316	ECEL1P1	NA		0.387030069	0.601364047	-0.214333978
ENSG00000252639	chr10	27193001	27195000	RNU2-24P	NA		0.398712654	0.655861308	-0.257148654

ENSG00000135090	chr12	118372408	118374407	TAOK3		51347	0.659087171	0.344056228	0.315030943
ENSG00000214283	chr3	136899577	136901576	RAD51AP1P1	NA		0.369495922	0.60886723	-0.239371308
ENSG00000227145	chr4	122617483	122619482	IL21-AS1		100996941	0.364511037	0.591287465	-0.226776427
ENSG00000236914	chr15	38072491	38074490	LINC01852		107984773	0.337480788	0.556946218	-0.219465429
ENSG00000249474	chr3	101824499	101826498	NA	NA		0.380706085	0.626875384	-0.246169299
ENSG00000112367	chr6	109689109	109691108	FIG4		9896	0.407450136	0.666459868	-0.259009732
ENSG00000163584	chr3	170869709	170871708	RPL22L1		200916	0.401377071	0.660370761	-0.25899369
ENSG00000213560	chr1	78089999	78091998	NA	NA		0.6227679	0.378342725	0.244425174
ENSG00000091651	chr16	46688143	46690142	ORC6		23594	0.619034696	0.368232112	0.250802584
ENSG00000224667	chr7	12504507	12506506	NA	NA		0.375637599	0.612256747	-0.236619148
ENSG00000183036	chr21	39865938	39867937	PCP4		5121	0.589289412	0.341989753	0.247299658
ENSG00000271350	chr11	47041446	47043445	NA	NA		0.382428212	0.621100086	-0.238671874
ENSG00000288853	chr11	78313296	78315295	NA	NA		0.49616443	0.288808937	0.207355493
ENSG00000186479	chr5	64504515	64506514	RGS7BP		401190	0.3773107	0.618907756	-0.241597055
ENSG00000173588	chr12	94459489	94461488	CEP83		51134	0.715172939	0.436262256	0.278910683
ENSG00000229425	chr21	15626843	15628842	NA	101927745;105369302		0.592621947	0.3498781	0.242743847
ENSG00000075884	chr2	143089862	143091861	ARHGAP15		55843	0.663023164	0.409360544	0.25366262
ENSG00000233968	chr10	19728063	19730062	NA		101928834	0.390483004	0.629138308	-0.238655304
ENSG00000279717	chr19	15903056	15905055	NA	NA		0.391392841	0.67677636	-0.285383519
ENSG00000266745	chr3	20136065	20138064	MIR3135A		100422901	0.627216268	0.381617195	0.245599073
ENSG00000197037	chr7	99615446	99617445	ZSCAN25		221785	0.547258634	0.332347421	0.214911213
ENSG00000122877	chr10	62818668	62820667	EGR2		1959	0.655830375	0.405681397	0.250148978
ENSG00000289488	chr2	158543574	158545573	NA	NA		0.66651176	0.412758625	0.253753136
ENSG00000165023	chr9	90642363	90644362	DIRAS2		54769	0.292597943	0.497968703	-0.20537076
ENSG00000256273	chr12	68343164	68345163	NA	NA		0.671408199	0.380526609	0.29088159
ENSG00000272692	chr10	75407642	75409641	NA	NA		0.378419644	0.615927954	-0.23750831
ENSG00000223951	chr2	33062614	33064613	H2ACP2	NA		0.715624174	0.440342762	0.275281412
ENSG00000205318	chr6	10632262	10634261	GCNT2P1	NA		0.626850938	0.397802004	0.229048934
ENSG00000287421	chr3	106158917	106160916	NA	NA		0.359519164	0.583245841	-0.223726678
ENSG00000280420	chr5	134522597	134524596	NA	NA		0.642261596	0.397930563	0.244331033
ENSG00000242145	chr3	81208415	81210414	NA	NA		0.503203785	0.298157662	0.205046123
ENSG00000261457	chr16	31804366	31806365	NA	NA		0.378371852	0.614465394	-0.236093541
ENSG00000234595	chr2	181681613	181683612	NA	NA		0.64238537	0.385297202	0.257088168
ENSG00000212257	chr1	65022575	65024574	RNU6-1176P	NA		0.399170375	0.632263785	-0.23309341

ENSG00000207425	chr16	14915057	14917056	NA	NA		0.426486264	0.691054886	-0.264568622
ENSG00000200369	chr10	27313620	27315619	RNU6-666P	NA		0.631766341	0.390163039	0.241603302
ENSG00000250190	chr4	28994998	28996997	LINC02364	NA		0.59232613	0.358389007	0.233937123
ENSG00000135617	chr2	73232740	73234739	PRADC1		84279	0.659629945	0.407743531	0.251886414
ENSG00000153827	chr2	229922740	229924739	TRIP12		9320	0.349619206	0.57459427	-0.224975064
ENSG00000060138	chr12	10722824	10724823	YBX3		8531	0.612637313	0.379271944	0.233365369
ENSG00000104375	chr8	98942328	98944327	STK3		6788	0.652115361	0.403610239	0.248505122
ENSG00000248652	chr5	57081452	57083451	NA	NA		0.354493043	0.574101795	-0.219608752
ENSG00000212664	chr15	71341213	71343212	RPL17P39	NA		0.690150993	0.427093218	0.263057776
ENSG00000258942	chr14	51385104	51387103	NA	NA		0.373255937	0.601491667	-0.22823573
ENSG00000108389	chr17	58517406	58519405	MTMR4		9110	0.318631897	0.522381589	-0.203749692
ENSG00000207962	chr1	40755784	40757783	MIR30C1		407031	0.385744579	0.623059437	-0.237314858
ENSG00000234318	chr1	62894509	62896508	NA	NA		0.393809818	0.635470222	-0.241660404
ENSG00000289243	chr4	128652373	128654372	NA	NA		0.358162346	0.576026093	-0.217863747
ENSG00000206536	chr3	98389166	98391165	OR5K3		403277	0.383734793	0.641049288	-0.257314495
ENSG00000261596	chr16	21625242	21627241	NA	NA		0.649197031	0.379718205	0.269478826
ENSG00000249934	chr4	88509904	88511903	NCOA4P2	NA		0.320190857	0.571944209	-0.251753352
ENSG00000230192	chr7	109658594	109660593	NA	NA		0.575405507	0.357017362	0.218388144
ENSG00000287087	chr5	53895964	53897963	NA	NA		0.404382968	0.640599076	-0.236216108
ENSG00000229865	chr13	78421323	78423322	RPL31P54	NA		0.558835492	0.346881119	0.211954373
ENSG00000229373	chr13	113886806	113888805	LINC00452		643365	0.33921391	0.541387111	-0.202173201
ENSG00000259764	chr15	101332937	101334936	PCSK6-AS1		105371027	0.608268336	0.382100307	0.226168029
ENSG00000284934	chr12	122227035	122229034	NA		128125816	0.527651858	0.288288435	0.239363423
ENSG00000260640	chr8	97241705	97243704	NA	NA		0.39998794	0.63943769	-0.23944975
ENSG00000226566	chr9	103429393	103431392	NA	NA		0.551797372	0.344390028	0.207407344
ENSG00000233328	chr1	171670440	171672439	PFN1P1	NA		0.679742519	0.429174235	0.250568285
ENSG00000257139	chr12	70178838	70180837	LINC02821	NA		0.38255867	0.602219762	-0.219661093
ENSG00000290683	chr1	247210357	247212356	NA	NA		0.683938377	0.435966093	0.247972284
ENSG00000181214	chr11	124223232	124225231	OR8G2P		26492	0.55964159	0.29904321	0.26059838
ENSG00000272595	chr7	5115635	5117634	OR10AH1P	NA		0.56697294	0.352993841	0.213979099
ENSG00000283428	chr2	224715866	224717865	CCDC195		110806281	0.402699016	0.644037777	-0.241338761
ENSG00000231426	chr6	139676139	139678138	FILNC1	NA		0.409931402	0.642030509	-0.232099107
ENSG00000242206	chr8	118761702	118763701	RPS26P35	NA		0.418218497	0.668246543	-0.250028045
ENSG00000222658	chr9	12883821	12885820	NA	NA		0.391516407	0.625745915	-0.234229508

ENSG00000054282	chr1	243254534	243256533	SDCCAG8		10806	0.681002783	0.426583325	0.254419458
ENSG00000133121	chr13	33350131	33352130	STARD13		90627	0.392310351	0.626648854	-0.234338504
ENSG00000254348	chr8	47187805	47189804	NA	NA		0.332507764	0.579945494	-0.24743773
ENSG00000258639	chr14	48043981	48045980	NA	NA		0.59946719	0.3555309	0.24393629
ENSG00000266801	chr16	68932320	68934319	NA	NA		0.298294881	0.498051561	-0.199756679
ENSG00000240040	chr2	88861064	88863063	NA	NA		0.649082368	0.41618074	0.232901628
ENSG00000272986	chr4	70703992	70705991	NA	NA		0.637550782	0.411663961	0.225886821
ENSG00000251575	chr5	61735216	61737215	C5orf64-AS1		100506526	0.422441669	0.670986117	-0.248544448
ENSG00000275823	chr1	63548867	63550866	NA	NA		0.61105228	0.367111081	0.243941199
ENSG00000288591	chr12	64757996	64759995	NA	NA		0.552285011	0.346034503	0.206250508
ENSG00000258583	chr14	58645131	58647130	LINC01500	NA		0.372622086	0.594071378	-0.221449292
ENSG00000289277	chr15	44287909	44289908	NA	NA		0.559361692	0.350861229	0.208500463
ENSG00000133858	chr12	71667226	71669225	ZFC3H1		196441	0.644237631	0.404670027	0.239567604
ENSG00000248104	chr4	135566658	135568657	TARS2P1	NA		0.626863447	0.397800258	0.22906319
ENSG00000264712	chr14	50299447	50301446	MIR4504		100616261	0.650673445	0.408921729	0.241751715
ENSG00000237087	chr2	232420962	232422961	NA	NA		0.683483894	0.429966506	0.253517389
ENSG00000237655	chr2	177601589	177603588	NA	NA		0.374726739	0.614011923	-0.239285184
ENSG00000237053	chr2	176805838	176807837	FUCA1P1	NA		0.720117078	0.45332287	0.266794209
ENSG00000250555	chr5	88691151	88693150	NA	NA		0.323953009	0.602342942	-0.278389933
ENSG00000184486	chr6	98833074	98835073	POU3F2		5454	0.371794949	0.591532251	-0.219737302
ENSG00000223883	chr1	69054338	69056337	LINC01707		105378785	0.403520603	0.634131092	-0.230610489
ENSG00000144893	chr3	151083786	151085785	MED12L		116931	0.355279632	0.563587006	-0.208307374
ENSG00000156427	chr5	171418147	171420146	FGF18		8817	0.644809249	0.415925475	0.228883775
ENSG00000266194	chr8	91203985	91205984	MIR4661		100616245	0.423831032	0.672224393	-0.248393361
ENSG00000289242	chr8	81159897	81161896	NA	NA		0.526180073	0.248902188	0.277277885
ENSG00000272425	chr8	81277071	81279070	NA	NA		0.526180073	0.248902188	0.277277885
ENSG00000265315	chr17	46536034	46538033	RN7SL199P	NA		0.672793929	0.423886337	0.248907592
ENSG00000232300	chr17	46562296	46564295	FAM215B	NA		0.672793929	0.423886337	0.248907592
ENSG00000105877	chr7	21541539	21543538	DNAH11		8701	0.527730466	0.329089734	0.198640732
ENSG00000199515	chr22	41065147	41067146	NA	NA		0.661604928	0.416921073	0.244683855
ENSG00000225217	chr1	161604791	161606790	HSPA7	NA		0.410321477	0.64248483	-0.232163353
ENSG00000257378	chr12	49955626	49957625	NA	NA		0.38120266	0.630113994	-0.248911334
ENSG00000225182	chr2	166889385	166891384	NA	NA		0.643982739	0.399949033	0.244033705
ENSG00000287378	chr3	100259765	100261764	NA	NA		0.412753454	0.653090472	-0.240337018

ENSG00000117691	chr1	212431420	212433419	NENF		29937	0.607985333	0.321657404	0.286327929
ENSG00000226655	chr4	123745174	123747173	NA	NA		0.539403236	0.338058971	0.201344265
ENSG00000166896	chr12	57904539	57906538	ATP23		91419	0.345897344	0.640222453	-0.294325109
ENSG00000207267	chr2	11232488	11234487	RNU6-1081P	NA		0.422200791	0.656612525	-0.234411734
ENSG00000261635	chr15	36611974	36613973	NA	NA		0.374712914	0.619972586	-0.245259672
ENSG00000215606	chr3	141471403	141473402	KRT18P35	NA		0.398462728	0.621638875	-0.223176147
ENSG00000283281	chr4	21464259	21466258	MIR7978		102465859	0.593162144	0.352130503	0.241031641
ENSG00000222858	chr17	29641203	29643202	RNU6-920P	NA		0.644045626	0.407120405	0.236925221
ENSG00000265625	chr17	29645348	29647347	NA	NA		0.407120405	0.644045626	-0.236925221
ENSG00000238246	chr10	20091285	20093284	NA	NA		0.343427957	0.595735752	-0.252307796
ENSG00000207361	chr8	28414948	28416947	RNU6-178P	NA		0.647950061	0.413004213	0.234945848
ENSG00000164741	chr8	13604111	13606110	DLC1		10395	0.279650816	0.512323418	-0.232672601
ENSG00000235617	chr22	18100112	18102111	NA	NA		0.468908293	0.739597741	-0.270689449
ENSG00000231449	chr3	37194704	37196703	RPS16P4	NA		0.653683192	0.414365054	0.239318138
ENSG00000213853	chr16	10580133	10582132	EMP2		2013	0.383141188	0.617185286	-0.234044097
ENSG00000256013	chr16	10527940	10529939	NA	NA		0.383141188	0.617185286	-0.234044097
ENSG00000260310	chr16	10577684	10579683	NA	NA		0.617185286	0.383141188	0.234044097
ENSG00000153060	chr16	10694431	10696430	TEKT5		146279	0.617185286	0.383141188	0.234044097
ENSG00000234117	chr6	116490797	116492796	NA	NA		0.59179906	0.370399337	0.221399723
ENSG00000272523	chr5	108727823	108729822	LINC01023	NA		0.5487094	0.295550004	0.253159396
ENSG00000164107	chr4	173529730	173531729	HAND2		9464	0.380418383	0.599995551	-0.219577168
ENSG00000162576	chr1	1361278	1363277	MXRA8		54587	0.46969689	0.739110944	-0.269414054
ENSG00000256568	chr11	73156446	73158445	NA	NA		0.65372747	0.381278645	0.272448825
ENSG00000285686	chr9	86707808	86709807	LINC02834		105376124	0.445877087	0.701834999	-0.255957912
ENSG00000121690	chr11	33014376	33016375	DEPDC7		91614	0.621593317	0.395409098	0.226184219
ENSG00000176571	chr8	86864915	86866914	CNBD1		168975	0.346257013	0.54585553	-0.199598517
ENSG00000271022	chr11	121426917	121428916	NA	NA		0.643536368	0.408877767	0.234658601
ENSG00000250328	chr5	122478588	122480587	NA		153163	0.647795176	0.41859075	0.229204426
ENSG00000213225	chr2	130227879	130229878	NOC2LP1	NA		0.389679467	0.60717053	-0.217491063
ENSG00000075914	chr3	44973741	44975740	EXOSC7		23016	0.429854172	0.674459065	-0.244604892
ENSG00000206644	chr3	196393313	196395312	RNU6-1279P	NA		0.413881542	0.64542824	-0.231546697
ENSG00000286526	chr7	35379176	35381175	NA	NA		0.674276638	0.387572877	0.286703761
ENSG00000230876	chr2	32823859	32825858	LINC00486		285045	0.56925735	0.407951286	0.161306064
ENSG00000286914	chr6	112395865	112397864	NA	NA		0.414735638	0.647931726	-0.233196088

ENSG00000283333	chr3	176513603	176515602	MIR7977		102465858	0.645720593	0.405380995	0.240339598
ENSG00000226617	chr13	72702193	72704192	RPL21P110	NA		0.241619996	0.437157191	-0.195537196
ENSG00000279499	chr13	30196382	30198381	NA	NA		0.376784982	0.589644344	-0.212859362
ENSG00000197617	chr1	247254472	247256471	VN1R5		317705	0.617107611	0.404360917	0.212746694
ENSG00000163154	chr1	151155149	151157148	TNFAIP8L2		79626	0.596584563	0.399925613	0.19665895
ENSG00000171862	chr10	87861138	87863137	PTEN		5728	0.656541884	0.420404022	0.236137862
ENSG00000184588	chr1	65791014	65793013	PDE4B		5142	0.655489826	0.418439049	0.237050777
ENSG00000250682	chr5	102671266	102673265	LINC00491	NA		0.405395627	0.635716022	-0.230320395
ENSG00000285954	chr1	53342531	53344530	NA	NA		0.616150978	0.381787536	0.234363442
ENSG00000286893	chr15	99475815	99477814	NA	NA		0.542952048	0.300632218	0.24231983
ENSG00000264188	chr18	21661896	21663895	NA	NA		0.668026563	0.426770064	0.241256499
ENSG00000104047	chr15	49619537	49621536	DTWD1		56986	0.629357717	0.391088864	0.238268853
ENSG00000253912	chr8	99803842	99805841	NA	NA		0.436503111	0.682864821	-0.24636171
ENSG00000196104	chr4	167234297	167236296	SPOCK3		50859	0.640545553	0.409257407	0.231288146
ENSG00000273805	chr12	57892732	57894731	NA		101927608	0.403068956	0.630723763	-0.227654806
ENSG00000289030	chr19	29713805	29715804	NA	NA		0.380693658	0.646791506	-0.266097848
ENSG00000225355	chr10	36993523	36995522	ARL6IP1P2	NA		0.346639758	0.542967868	-0.19632811
ENSG00000178053	chr3	158569663	158571662	MLF1		4291	0.527855627	0.324402884	0.203452743
ENSG00000116198	chr1	3856897	3858896	CEP104		9731	0.389424865	0.61169151	-0.222266644
ENSG00000253000	chr4	178116362	178118361	RNU1-45P	NA		0.6026217	0.376309718	0.226311982
ENSG00000112175	chr6	55875091	55877090	BMP5		653	0.391809953	0.633502409	-0.241692456
ENSG00000250603	chr5	127857305	127859304	NA	NA		0.396424655	0.613769988	-0.217345333
ENSG00000218803	chr6	111047022	111049021	GSTM2P1	NA		0.714333506	0.455615293	0.258718213
ENSG00000174485	chr15	65791794	65793793	DENND4A		10260	0.410680758	0.663302199	-0.252621441
ENSG00000251892	chr8	106729357	106731356	RNU7-84P	NA		0.369008423	0.562365227	-0.193356804
ENSG00000237645	chr3	173642731	173644730	TMEM229BP1	NA		0.410643094	0.646112137	-0.235469043
ENSG00000185055	chr7	105600376	105602375	EFCAB10		100130771	0.453448098	0.70649997	-0.253051872
ENSG00000223617	chr13	109280473	109282472	LINC00370	NA		0.406706776	0.634030243	-0.227323468
ENSG00000265313	chr17	59526447	59528446	LINC01476	NA		0.663786891	0.426218686	0.237568206
ENSG00000206665	chr4	35494398	35496397	RNU6-573P	NA		0.338332228	0.531315142	-0.192982915
ENSG00000248360	chr4	14887670	14889669	LINC00504		201853	0.657903551	0.400748916	0.257154635
ENSG00000259502	chr14	67609486	67611485	NA	NA		0.42257576	0.645622424	-0.223046664
ENSG00000206915	chr2	49233400	49235399	RNU6-439P	NA		0.588768433	0.380043463	0.20872497
ENSG00000138767	chr4	77819116	77821115	CNOT6L		246175	0.67347774	0.432851022	0.240626719

ENSG00000267227	chr17	15748816	15750815	NA	NA	0.641121758	0.425160497	0.215961261	
ENSG00000259021	chr10	79499485	79501484	TPRX1P1	NA	0.364729357	0.568249758	-0.2035204	
ENSG00000107562	chr10	44385994	44387993	CXCL12		6387	0.410671336	0.605935586	-0.19526425
ENSG00000252944	chr6	104765322	104767321	RNU6-897P	NA		0.328489178	0.576874496	-0.248385318
ENSG00000163946	chr3	56682766	56684765	TASOR		23272	0.676585504	0.435171636	0.241413867
ENSG00000099290	chr10	50066388	50068387	WASHC2A		387680	0.654879429	0.414525778	0.240353651
ENSG00000198523	chr6	118546796	118548795	PLN		5350	0.595844945	0.381641866	0.214203079
ENSG00000270661	chr6	112219071	112221070	NA	NA		0.420485197	0.661899419	-0.241414222
ENSG00000115263	chr2	162151905	162153904	GCG		2641	0.400627737	0.615180485	-0.214552747
ENSG00000263670	chr5	1308878	1310877	MIR4457		100616235	0.652803368	0.352061598	0.30074177
ENSG00000289653	chr8	102863361	102865360	NA	NA		0.587387511	0.376554125	0.210833386
ENSG00000287145	chr2	41714633	41716632	NA	NA		0.58917205	0.379845091	0.209326959
ENSG00000134539	chr12	10224558	10226557	KLRD1		3824	0.575409874	0.345560118	0.229849755
ENSG00000258972	chr14	73629975	73631974	NDUFB8P1	NA		0.427319145	0.664207456	-0.236888311
ENSG00000275359	chr7	116951198	116953197	NA	NA		0.632511969	0.408042585	0.224469384
ENSG00000137727	chr11	110712690	110714689	ARHGAP20		57569	0.586681103	0.381362804	0.205318299
ENSG00000233397	chr2	162090732	162092731	NA	NA		0.333967025	0.567008846	-0.233041822
ENSG00000258053	chr12	71117748	71119747	NA	NA		0.603365846	0.4011154	0.202250446
ENSG00000214853	chr5	84999816	85001815	PPIAP79	NA		0.617861165	0.394900801	0.222960364
ENSG00000202019	chr22	31229673	31231672	NA	NA		0.542733898	0.351853787	0.190880111
ENSG00000121039	chr8	73293102	73295101	RDH10		157506	0.575017157	0.320068609	0.254948548
ENSG00000170468	chr14	73489433	73491432	RIOX1		79697	0.374766218	0.649161205	-0.274394988
ENSG00000144746	chr3	69083437	69085436	ARL6IP5		10550	0.42608636	0.647111773	-0.221025413
ENSG00000286212	chr4	32021984	32023983	NA	NA		0.519041896	0.328419103	0.190622793
ENSG00000241362	chr15	89687744	89689743	RPL36AP43	NA		0.722953438	0.468743486	0.254209952
ENSG00000185278	chr1	173866582	173868581	ZBTB37		84614	0.38619625	0.687587235	-0.301390985
ENSG00000129347	chr19	10565532	10567531	KRI1		65095	0.717219874	0.465171135	0.25204874
ENSG00000257784	chr12	41762644	41764643	LINC02400		101927038	0.45395929	0.699720097	-0.245760807
ENSG00000258896	chr14	60157476	60159475	SCOCP1	NA		0.601165541	0.323472386	0.277693155
ENSG00000279304	chr11	93132355	93134354	NA	NA		0.641622389	0.420074488	0.221547902
ENSG00000200502	chr9	37158637	37160636	NA	NA		0.278244505	0.478675714	-0.200431209
ENSG00000230975	chr2	80869691	80871690	NA	NA		0.524469126	0.334452372	0.190016753
ENSG00000151422	chr5	108746341	108748340	FER		2241	0.415147664	0.627548347	-0.212400682
ENSG00000111897	chr6	122471308	122473307	SERINC1		57515	0.626853316	0.422054072	0.204799244

ENSG00000234106	chr11	93533968	93535967	SRP14P2	NA		0.423381139	0.645735632	-0.222354493
ENSG00000218109	chr11	127001410	127003409	KIRREL3-AS3		283165	0.706497812	0.466425659	0.240072153
ENSG00000258387	chr14	43591763	43593762	NA	NA		0.628422986	0.399306613	0.229116374
ENSG00000225427	chr13	78839552	78841551	LINC00331	NA		0.623357462	0.38191747	0.241439992
ENSG00000259022	chr14	35428760	35430759	DNAJC8P1	NA		0.581584073	0.223511954	0.358072119
ENSG00000108187	chr10	68332550	68334549	PBLD		64081	0.604310043	0.382633319	0.221676724
ENSG00000289727	chr2	32231886	32233885	NA	NA		0.646485073	0.387601687	0.258883386
ENSG00000254020	chr8	92724612	92726611	NA	NA		0.422790394	0.643449911	-0.220659517
ENSG00000286746	chr13	81017238	81019237	NA	NA		0.337203211	0.52620899	-0.189005779
ENSG00000255725	chr12	25801798	25803797	TDGP1	NA		0.664413981	0.438223892	0.226190089
ENSG00000121486	chr1	185156573	185158572	TRMT1L		81627	0.386157665	0.615518123	-0.229360458
ENSG00000259462	chr15	82646270	82648269	CPEB1-AS1		283692	0.391216341	0.631318304	-0.240101963
ENSG00000207023	chr6	73462573	73464572	RNU6-975P	NA		0.352513317	0.542132824	-0.189619508
ENSG00000226663	chr1	235540916	235542915	MTND4P10	NA		0.613147056	0.401127106	0.21201995
ENSG00000174132	chr5	100533874	100535873	FAM174A		345757	0.67678519	0.445137027	0.231648162
ENSG00000252537	chr10	16004308	16006307	NA	NA		0.407629774	0.624872697	-0.217242922
ENSG00000171481	chr9	122673630	122675629	OR1L3		26735	0.601821419	0.386593653	0.215227766
ENSG00000241286	chr12	110841888	110843887	RPL29P25	NA		0.6661352	0.43459552	0.23153968
ENSG00000225549	chr6	118781348	118783347	SELENOKP3	NA		0.409185809	0.627673676	-0.218487867
ENSG00000258886	chr14	30962847	30964846	HIGD1AP17	NA		0.354195112	0.165894324	0.188300787
ENSG00000109270	chr4	99893929	99895928	LAMTOR3		8649	0.653005053	0.392446061	0.260558991
ENSG00000291202	chr4	119454156	119456155	NA	NA		0.33110886	0.575269656	-0.244160797
ENSG00000276770	chr6	43433042	43435041	MIR6780B		102466746	0.409196261	0.682161596	-0.272965335
ENSG00000237082	chr13	100623930	100625929	COX5BP6	NA		0.641672774	0.404559393	0.237113381
ENSG00000277881	chr6	29448710	29450709	NA	NA		0.445448616	0.674205034	-0.228756419
ENSG00000287006	chr11	112720652	112722651	NA		105369496	0.701569291	0.465821303	0.235747989
ENSG00000285936	chr14	72700262	72702261	NA	NA		0.727506468	0.475816626	0.251689841
ENSG00000137575	chr8	58551424	58553423	SDCBP		6386	0.784433372	0.513408759	0.271024613
ENSG00000261369	chr16	47297947	47299946	NA	NA		0.461179628	0.696335873	-0.235156245
ENSG00000223169	chr6	75864836	75866835	RNA5SP209	NA		0.408040613	0.624228891	-0.216188278
ENSG00000172728	chr8	33472647	33474646	FUT10		84750	0.669462837	0.421933319	0.247529518
ENSG00000198785	chr9	101738148	101740147	GRIN3A		116443	0.271614076	0.459186382	-0.187572306
ENSG00000224640	chr13	69408236	69410235	SRSF1P1	NA		0.422586953	0.622148549	-0.199561595
ENSG00000092820	chr6	158818869	158820868	EZR		7430	0.668413422	0.440066577	0.228346845

ENSG00000214042	chr9	21201706	21203705	IFNA7		3444	0.597430036	0.390705028	0.206725008
ENSG00000225279	chr1	160060961	160062960	NA	NA		0.629441037	0.43067073	0.198770307
ENSG00000227583	chr10	68672856	68674855	RPS3AP37	NA		0.410866789	0.670982597	-0.260115808
ENSG00000267334	chr17	44946412	44948411	KIF18B-DT	NA		0.27267781	0.460031896	-0.187354086
ENSG00000164134	chr4	139299946	139301945	NAA15		80155	0.333883426	0.5814681	-0.247584674
ENSG00000170379	chr7	143619452	143621451	TCAF2		285966	0.743339973	0.487111121	0.256228852
ENSG00000223381	chr10	108707039	108709038	LINC02661	NA		0.268418651	0.455633643	-0.187214992
ENSG00000207215	chr8	97356765	97358764	SNORD3H		109617016	0.457582421	0.696491712	-0.23890929
ENSG00000278100	chr10	14390375	14392374	NA	NA		0.685092888	0.448745338	0.23634755
ENSG00000222174	chr18	586351	588350	RN7SKP146	NA		0.539616927	0.352508348	0.187108579
ENSG00000223390	chr1	52031891	52033890	NA	NA		0.450536257	0.679120239	-0.228583982
ENSG00000228369	chr1	52049418	52051417	TXNDC12-AS1		104355143	0.679120239	0.450536257	0.228583982
ENSG00000172216	chr20	50189330	50191329	CEBPB		1051	0.631082031	0.380045942	0.251036089
ENSG00000186300	chr19	2839937	2841936	ZNF555		148254	0.363869409	0.613898009	-0.2500286
ENSG00000260368	chr8	100913889	100915888	NA	NA		0.421689189	0.641146204	-0.219457016
ENSG00000168619	chr8	39582989	39584988	ADAM18		8749	0.378161397	0.575559683	-0.197398286
ENSG00000187672	chr3	56468596	56470595	ERC2		26059	0.673992889	0.440793285	0.233199604
ENSG00000203441	chr13	99500553	99502552	LINC00449		106478991	0.382127812	0.627038942	-0.24491113
ENSG00000264862	chr17	31516932	31518931	RN7SL45P	NA		0.613940786	0.375706284	0.238234503
ENSG00000270449	chr11	104682082	104684081	NA	NA		0.612413081	0.360347133	0.252065947
ENSG00000285790	chr18	45503325	45505324	NA	NA		0.476777255	0.716016177	-0.239238922
ENSG00000249332	chr5	15266042	15268041	LINC02149	NA		0.409744743	0.626755628	-0.217010885
ENSG00000213713	chr11	33075961	33077960	PIGCP1	NA		0.476711452	0.702925653	-0.226214201
ENSG00000283499	chr4	48108911	48110910	NA	NA		0.609818275	0.42405249	0.185765784
ENSG00000252474	chr14	49838225	49840224	RNU6-539P	NA		0.618879992	0.411572322	0.20730767
ENSG00000186480	chr7	155296276	155298275	INSIG1		3638	0.417331753	0.231606991	0.185724762
ENSG00000260600	chr16	61693251	61695250	NA	NA		0.661305019	0.436666545	0.224638474
ENSG00000229817	chr9	114844094	114846093	NA	NA		0.699398312	0.459961779	0.239436533
ENSG00000165757	chr10	30114995	30116994	JCAD		57608	0.443518826	0.66619138	-0.222672554
ENSG00000083520	chr13	72781597	72783596	DIS3		22894	0.671600904	0.422651573	0.248949331
ENSG00000254364	chr8	100491028	100493027	NA	NA		0.572902086	0.373313218	0.199588867
ENSG00000183199	chr4	87890343	87892342	HSP90AB3P	NA		0.633209427	0.425550925	0.207658502
ENSG00000119977	chr10	95693644	95695643	TCTN3		26123	0.570872163	0.376970014	0.193902148
ENSG00000261544	chr15	65766899	65768898	NA	NA		0.697094523	0.460506599	0.236587924

ENSG00000285253	chr15	56918072	56920071	NA	NA		0.656757467	0.433356958	0.223400509
ENSG00000213050	chr7	116972412	116974411	TPM3P1	NA		0.312205448	0.549200743	-0.236995295
ENSG00000235984	chr13	92721115	92723114	GPC5-AS1		100873969	0.628469391	0.415524756	0.212944635
ENSG00000131943	chr19	29715290	29717289	C19orf12		83636	0.402276371	0.646052819	-0.243776449
ENSG00000207453	chr10	7486310	7488309	RNU6-535P	NA		0.378123913	0.576410128	-0.198286215
ENSG00000252343	chr4	182547159	182549158	RNU2-34P	NA		0.433312663	0.657466636	-0.224153973
ENSG00000133731	chr8	81685832	81687831	IMPA1		3612	0.627237583	0.413185349	0.214052234
ENSG00000200361	chr3	106687178	106689177	NA	NA		0.373984436	0.559070871	-0.185086435
ENSG00000145388	chr4	118683892	118685891	METTL14		57721	0.396023958	0.600087908	-0.20406395
ENSG00000241889	chr3	113883798	113885797	CTDNBP1P1	NA		0.64667428	0.426350089	0.22032419
ENSG00000231420	chr2	150256508	150258507	LINC01817		105373683	0.670967651	0.445652595	0.225315056
ENSG00000279189	chr11	133302135	133304134	NA	NA		0.537793927	0.311228486	0.226565441
ENSG00000269210	chr2	38959878	38961877	NA		375196	0.569102968	0.358612583	0.210490384
ENSG00000253797	chr13	52023191	52025190	UTP14C		9724	0.480539522	0.72719481	-0.246655287
ENSG00000231022	chr1	188692820	188694819	RPS3AP9	NA		0.397567647	0.637675927	-0.24010828
ENSG00000213169	chr3	174375744	174377743	RPL8P4	NA		0.629737198	0.415849178	0.213888019
ENSG00000221843	chr2	27535886	27537885	C2orf16		84226	0.576567866	0.379697394	0.196870473
ENSG00000217078	chr6	16163263	16165262	NA	NA		0.450698427	0.690316923	-0.239618496
ENSG00000264585	chr4	52711182	52713181	MIR4449		100616436	0.659281893	0.444472629	0.214809265
ENSG00000198829	chr3	151872143	151874142	SUCNR1		56670	0.291885748	0.475970525	-0.184084777
ENSG00000233893	chr6	158816479	158818478	EZR-AS1		101409257	0.648826822	0.414406856	0.234419967
ENSG00000264621	chr4	39410410	39412409	MIR5591		100847065	0.360285566	0.584070401	-0.223784835
ENSG00000253793	chr8	30983822	30985821	NA	NA		0.461478377	0.277448804	0.184029573
ENSG00000252587	chr16	35753423	35755422	RNA5SP422	NA		0.403976482	0.624061148	-0.220084666
ENSG00000244249	chr3	159386941	159388940	RPS2P19	NA		0.364950623	0.659794655	-0.294844032
ENSG00000109458	chr4	143335376	143337375	GAB1		2549	0.450892495	0.681410121	-0.230517626
ENSG00000280270	chr3	187381601	187383600	NA	NA		0.67799457	0.463004573	0.214989996
ENSG00000272180	chr2	55950658	55952657	NA	NA		0.584128414	0.395137694	0.188990719
ENSG00000080802	chr7	135509646	135511645	CNOT4		4850	0.366446119	0.558653036	-0.192206917
ENSG00000256849	chr12	19940021	19942020	TCP1P3	NA		0.385289449	0.577474511	-0.192185062
ENSG00000253463	chr8	123121606	123123605	HMGB1P19	NA		0.680043271	0.446676908	0.233366363
ENSG00000205184	chr8	81635163	81637162	SLC10A5P1	NA		0.387382084	0.583864063	-0.196481979
ENSG00000285891	chr5	178697262	178699261	MSANTD5		102724657	0.424566199	0.636506964	-0.211940765
ENSG00000147873	chr9	21304814	21306813	IFNA5		3442	0.316053065	0.616319572	-0.300266507

ENSG00000225530	chr13	89362725	89364724	SP3P	NA		0.37103604	0.576086369	-0.205050329
ENSG00000243160	chr5	79527802	79529801	RPL7AP32	NA		0.570778007	0.377738283	0.193039725
ENSG00000231082	chr10	80648297	80650296	LINC02655		105378386	0.668103986	0.44272965	0.225374336
ENSG00000249351	chr4	65215116	65217115	NA	NA		0.501452176	0.275465492	0.225986684
ENSG00000198774	chr12	85835910	85837909	RASSF9		9182	0.393975754	0.597235518	-0.203259764
ENSG00000249584	chr5	57898663	57900662	LINC02225		101928539	0.451205017	0.680541634	-0.229336617
ENSG00000279401	chr1	185517151	185519150	NA	NA		0.42085552	0.629418543	-0.208563023
ENSG00000270953	chr7	130506160	130508159	NA	NA		0.410834538	0.619747051	-0.208912513
ENSG00000172575	chr15	38565076	38567075	RASGRP1		10125	0.630820034	0.418295193	0.212524841
ENSG00000259001	chr14	20343186	20345185	NA	NA		0.713692992	0.473821372	0.23987162
ENSG00000235785	chr14	99261448	99263447	NA	NA		0.693170447	0.473071773	0.220098674
ENSG00000264743	chr17	30973887	30975886	DPRXP4	NA		0.646665126	0.43626691	0.210398216
ENSG00000255321	chr8	60552537	60554536	NA	NA		0.610863805	0.405310422	0.205553383
ENSG00000255496	chr11	27877149	27879148	NA	NA		0.712036997	0.47300001	0.239036987
ENSG00000251691	chr4	69306674	69308673	NA	NA		0.39987296	0.615435261	-0.215562301
ENSG00000255033	chr8	111379103	111381102	SERPINA15P	NA		0.642482517	0.426514532	0.215967985
ENSG00000162542	chr1	19799446	19801445	TMCO4		255104	0.616253709	0.408975096	0.207278612
ENSG00000231646	chr2	185799652	185801651	FSIP2-AS1		107985781	0.367784188	0.555384803	-0.187600615
ENSG00000230813	chr1	246525530	246527529	NA	NA		0.458359353	0.686309202	-0.227949849
ENSG00000250227	chr4	164914065	164916064	TRIM60P14	NA		0.45732717	0.671233802	-0.213906632
ENSG00000259588	chr15	47605853	47607852	NA	NA		0.652529419	0.452167531	0.200361888
ENSG00000121897	chr4	39457504	39459503	LIAS		11019	0.416153082	0.626322654	-0.210169573
ENSG00000257543	chr12	101408561	101410560	NA	NA		0.70334972	0.486938266	0.216411454
ENSG00000247810	chr4	37072181	37074180	NA		101928721	0.639454043	0.38532959	0.254124452
ENSG00000223389	chr6	73321337	73323336	SDCBP2P1	NA		0.641922728	0.426840377	0.215082351
ENSG00000200213	chr21	36065045	36067044	RNU6-992P	NA		0.628746065	0.418129597	0.210616468
ENSG00000235522	chr2	105856678	105858677	NA	NA		0.40593162	0.589015038	-0.183083418
ENSG00000234162	chr2	105961887	105963886	NA	NA		0.40593162	0.589015038	-0.183083418
ENSG00000227734	chr10	19290981	19292980	NA	NA		0.414310945	0.619174713	-0.204863767
ENSG00000287155	chr3	141283807	141285806	NA	NA		0.416838979	0.621371505	-0.204532526
ENSG00000183629	chr15	28532515	28534514	GOLGA8G	283768;100132565		0.496466454	0.3149894	0.181477054
ENSG00000203356	chr1	51234597	51236596	LINC01562		105378716	0.720057497	0.535727268	0.184330229
ENSG00000237929	chr20	31311463	31313462	RPL31P3	NA		0.343600448	0.524868149	-0.181267701
ENSG00000272265	chr5	116078071	116080070	NA	NA		0.681250503	0.470800002	0.210450501

ENSG00000105392	chr19	47818279	47820278	CRX		1406	0.409942334	0.615477985	-0.205535651
ENSG00000152583	chr4	87530562	87532561	SPARCL1		8404	0.627777327	0.418213706	0.209563621
ENSG00000152207	chr13	48652211	48654210	CYSLTR2		57105	0.475194587	0.266981452	0.208213135
ENSG00000290785	chr11	76719109	76721108	NA	NA		0.504156639	0.717097809	-0.212941169
ENSG00000248126	chr5	1596627	1598626	NA	NA		0.670145252	0.432088165	0.238057087
ENSG00000170222	chr17	10696094	10698093	ADPRM		56985	0.624902076	0.41590451	0.208997566
ENSG00000252475	chr15	44961330	44963329	RNU6-1332P	NA		0.391997981	0.588460694	-0.196462714
ENSG00000099250	chr10	33335763	33337762	NRP1		8829	0.607713318	0.373190932	0.234522386
ENSG00000277651	chr14	65986948	65988947	NA	NA		0.45680277	0.679394622	-0.222591852
ENSG00000106852	chr9	122229127	122231126	LHX6		26468	0.391417251	0.58162426	-0.190207009
ENSG00000131016	chr6	151238467	151240466	AKAP12		9590	0.436195272	0.667172506	-0.230977233
ENSG00000249174	chr5	19141847	19143846	NA	NA		0.505374668	0.325103465	0.180271202
ENSG00000229753	chr9	72741118	72743117	RPS27AP15	NA		0.617727889	0.412156967	0.205570921
ENSG00000155330	chr16	46830681	46832680	C16orf87		388272	0.425407608	0.605482335	-0.180074727
ENSG00000215114	chr8	58409859	58411858	UBXN2B		137886	0.392924844	0.607763287	-0.214838442
ENSG00000074771	chr6	155455340	155457339	NOX3		50508	0.46002193	0.708210496	-0.248188567
ENSG00000223575	chr1	119085455	119087454	RBMX2P3	NA		0.653232083	0.414037778	0.239194305
ENSG00000257128	chr12	41909756	41911755	NA	NA		0.60866723	0.417972819	0.190694411
ENSG00000213741	chr14	49598665	49600664	RPS29		6235	0.647058459	0.40636978	0.24068868
ENSG00000171495	chr5	41070843	41072842	MROH2B		133558	0.431023883	0.635622957	-0.204599074
ENSG00000248891	chr5	51427928	51429927	NA	NA		0.607240641	0.406123309	0.201117332
ENSG00000258757	chr14	52639339	52641338	NA	NA		0.426559337	0.627209131	-0.200649794
ENSG00000204334	chr2	170765378	170767377	ERICH2		285141	0.640158665	0.429857776	0.210300889
ENSG00000201612	chr12	27805891	27807890	RN7SKP15	NA		0.64852599	0.411231875	0.237294114
ENSG00000236148	chr2	64347242	64349241	RPL23AP37	NA		0.670526358	0.456713982	0.213812377
ENSG00000257480	chr12	89751413	89753412	MRPL2P1	NA		0.512146972	0.332889257	0.179257714
ENSG00000285843	chr2	227587016	227589015	SCYGR9	NA		0.646923364	0.425590599	0.221332765
ENSG00000254733	chr11	86430090	86432089	NA	NA		0.47469943	0.707023106	-0.232323676
ENSG00000227681	chr6	147659203	147661202	NA	NA		0.453727403	0.663144371	-0.209416968
ENSG00000147408	chr8	19757530	19759529	CSGALNACT1		55790	0.456982491	0.682084105	-0.225101614
ENSG00000259000	chr14	44865748	44867747	DOCK11P1	NA		0.681256137	0.456445697	0.22481044
ENSG00000239923	chr20	14221541	14223540	RN7SL864P	NA		0.348708617	0.579217626	-0.230509008
ENSG00000251432	chr4	128291251	128293250	LINC02615		100507487	0.491614138	0.226608686	0.265005452
ENSG00000269985	chr6	5457576	5459575	FARS2-AS1		101927972	0.571322941	0.382607061	0.18871588

ENSG00000202285	chr6	106738555	106740554	RNU6-117P	NA		0.458532231	0.670005154	-0.211472924
ENSG00000250486	chr4	164955448	164957447	FAM218A		152756	0.381665337	0.564808293	-0.183142956
ENSG00000004846	chr7	20614167	20616166	ABCB5		340273	0.654581596	0.43569007	0.218891526
ENSG00000237649	chr6	33390323	33392322	KIFC1		3833	0.361690822	0.543181265	-0.181490443
ENSG00000204194	chr6	33400057	33402056	RPL12P1	NA		0.543181265	0.361690822	0.181490443
ENSG00000249150	chr5	116829871	116831870	NA	NA		0.434917581	0.636423239	-0.201505658
ENSG00000258695	chr14	73521378	73523377	NA	NA		0.411901092	0.644441426	-0.232540334
ENSG00000283498	chr5	118973086	118975085	MIR1244-2		100422885	0.598849477	0.367436322	0.231413155
ENSG00000252760	chr1	111040334	111042333	RNA5SP54	NA		0.413211152	0.669101601	-0.25589045
ENSG00000103037	chr16	58513979	58515978	SETD6		79918	0.365891202	0.561750937	-0.195859735
ENSG00000286700	chr4	124027769	124029768	NA	NA		0.474142604	0.705713033	-0.231570429
ENSG00000183955	chr12	123382632	123384631	KMT5A		387893	0.661348393	0.449063713	0.212284679
ENSG00000274867	chr6	49114037	49116036	NA	NA		0.649483955	0.362599122	0.286884833
ENSG00000267215	chr18	59080411	59082410	NA	NA		0.75185272	0.505704319	0.246148402
ENSG00000236047	chr2	202518901	202520900	RPL13AP12	NA		0.662393777	0.445749686	0.216644091
ENSG00000228322	chr9	4297890	4299889	GLIS3-AS2	NA		0.529768875	0.351260485	0.17850839
ENSG00000259533	chr17	63884310	63886309	NA	NA		0.64114822	0.458031585	0.183116635
ENSG00000290078	chr11	110326908	110328907	NA		124902752	0.479798336	0.724573598	-0.244775263
ENSG00000244754	chr13	32538386	32540385	N4BP2L2		10443	0.46586171	0.686228967	-0.220367257
ENSG00000234645	chr2	138288294	138290293	YWHAEP5	NA		0.398839096	0.593228635	-0.194389539
ENSG00000256533	chr11	114451564	114453563	NA	NA		0.630026606	0.423810112	0.206216494
ENSG00000274654	chr15	48529229	48531228	NA	NA		0.683138778	0.459908685	0.223230093
ENSG00000231336	chr2	46167479	46169478	NA	NA		0.459710267	0.665073246	-0.205362979
ENSG00000229150	chr2	208112012	208114011	CRYGEP	NA		0.366926931	0.548050511	-0.18112358
ENSG00000249816	chr8	124822202	124824201	LINC00964		157381	0.721446335	0.472114243	0.249332092
ENSG00000239861	chr11	103043737	103045736	RPL21P96	NA		0.443820908	0.650096079	-0.206275171
ENSG00000289147	chr17	58516815	58518814	NA	NA		0.454489887	0.638273191	-0.183783303
ENSG00000207421	chr1	44776890	44778889	SNORD38B	NA		0.319687243	0.497459536	-0.177772293
ENSG00000218173	chr6	104685741	104687740	NA	NA		0.735337226	0.49911664	0.236220587
ENSG00000275728	chr20	16578758	16580757	NA	NA		0.408667213	0.619897747	-0.211230534
ENSG00000170820	chr2	49154028	49156027	FSHR		2492	0.344017601	0.521762575	-0.177744974
ENSG00000082068	chr5	37377785	37379784	WDR70		55100	0.251032094	0.435495899	-0.184463805
ENSG00000255094	chr11	28019076	28021075	NA	NA		0.658079945	0.445765883	0.212314062
ENSG00000224971	chr7	55730644	55732643	SUMO2P3	NA		0.429350323	0.633192264	-0.203841941

ENSG00000166004	chr11	93660182	93662181	CEP295		85459	0.658265751	0.446396497	0.211869255
ENSG00000230427	chr1	95060096	95062095	ALG14-AS1		101928098	0.620598307	0.420170904	0.200427402
ENSG00000074966	chr4	48133751	48135750	TXK		7294	0.477075242	0.691919467	-0.214844225
ENSG00000163581	chr3	171026244	171028243	SLC2A2		6514	0.588338807	0.400413525	0.187925282
ENSG00000248660	chr4	58101647	58103646	SRIP1	NA		0.603145794	0.408659241	0.194486553
ENSG00000268847	chr19	56589782	56591781	SIGLEC31P	NA		0.686663717	0.442056518	0.244607199
ENSG00000200003	chr2	27475096	27477095	RNU6-986P	NA		0.684916228	0.462371165	0.222545063
ENSG00000153956	chr7	82443457	82445456	CACNA2D1		781	0.391119493	0.579965839	-0.188846346
ENSG00000233353	chr10	80716569	80718568	RPS7P9	NA		0.552959557	0.320809724	0.232149833
ENSG00000253394	chr8	90219841	90221840	LINC00534	NA		0.601617397	0.412721068	0.188896329
ENSG00000221650	chr13	107530749	107532748	MIR1267		100302286	0.444197119	0.620716395	-0.176519275
ENSG00000270757	chr2	197498913	197500912	HSPE1-MOB4		100529241	0.628633238	0.42595772	0.202675517
ENSG00000258225	chr12	78091238	78093237	NA	NA		0.422062134	0.614997051	-0.192934917
ENSG00000207283	chr3	5085780	5087779	NA	NA		0.459392576	0.680244333	-0.220851757
ENSG00000117069	chr1	76865980	76867979	ST6GALNAC5		81849	0.668634796	0.451907972	0.216726824
ENSG00000250267	chr8	109297098	109299097	NA	NA		0.333530032	0.570523617	-0.236993585
ENSG00000081154	chr3	101572680	101574679	PCNP		57092	0.587845726	0.399087574	0.188758152
ENSG00000260014	chr16	78354029	78356028	LSM3P5	NA		0.533372672	0.356340235	0.177032437
ENSG00000141198	chr17	54897887	54899886	TOM1L1		10040	0.427403514	0.606984124	-0.17958061
ENSG00000285524	chr7	153393984	153395983	NA	NA		0.417028744	0.593278843	-0.176250099
ENSG00000120533	chr8	109332824	109334823	ENY2		56943	0.623945164	0.360487986	0.263457177
ENSG00000288637	chr4	153150935	153152934	NA	NA		0.621893569	0.441824563	0.180069005
ENSG00000288551	chr6	145748417	145750416	NA	NA		0.445850932	0.658427072	-0.21257614
ENSG00000293084	chr6	126641988	126643987	NA	NA		0.381479587	0.557386844	-0.175907257
ENSG00000154556	chr4	185956153	185958152	SORBS2		8470	0.46864824	0.277806718	0.190841522
ENSG00000222923	chr2	114418625	114420624	RNU2-41P	NA		0.555246449	0.328889015	0.226357434
ENSG00000278083	chr2	222945889	222947888	NA	NA		0.599929343	0.342921899	0.257007444
ENSG00000243886	chr3	137535643	137537642	MTCH2P1	NA		0.647191598	0.32380647	0.323385128
ENSG00000243305	chr3	152496314	152498313	NA	NA		0.420363745	0.610186716	-0.189822971
ENSG00000163424	chr3	119144651	119146650	TEX55		152405	0.570257491	0.354428903	0.215828588
ENSG00000207402	chr2	191120450	191122449	RNU6-959P	NA		0.422080295	0.622689055	-0.200608761
ENSG00000203706	chr1	210233548	210235547	SERTAD4-AS1	NA		0.681525162	0.475534027	0.205991134
ENSG00000177807	chr1	160069661	160071660	KCNJ10		3766	0.659119828	0.451663038	0.20745679
ENSG00000254825	chr11	56751403	56753402	OR9G2P	NA		0.348734817	0.553689055	-0.204954237

ENSG00000182347	chr9	5085613	5087612	PDSS1P1	NA		0.756751075	0.476154399	0.280596676
ENSG00000254431	chr8	125350917	125352916	NA	NA		0.482538364	0.71055483	-0.228016466
ENSG00000245281	chr8	18082884	18084883	ASAH1-AS1		101929066	0.386513458	0.56147031	-0.174956852
ENSG00000269446	chr7	157108480	157110479	NA	NA		0.485142433	0.714152709	-0.229010277
ENSG00000235737	chr13	66267497	66269496	TRIM60P19	NA		0.419842791	0.618227159	-0.198384367
ENSG00000259542	chr15	96404690	96406689	NA	NA		0.53334559	0.358512908	0.174832682
ENSG00000251587	chr4	4894674	4896673	LDHAP1	NA		0.618583128	0.421044553	0.197538575
ENSG00000239199	chr14	55413560	55415559	RPL21P6	NA		0.595210919	0.408209016	0.187001902
ENSG00000208023	chr22	20031639	20033638	MIR185		406961	0.458478508	0.688643997	-0.230165489
ENSG00000240637	chr4	114797831	114799830	RN7SL808P	NA		0.394417569	0.592529505	-0.198111936
ENSG00000288743	chr13	49247341	49249340	NA		105370203	0.441891402	0.683432128	-0.241540726
ENSG00000217026	chr21	27420524	27422523	RPL10P1	NA		0.666114832	0.460261285	0.205853547
ENSG00000229051	chr1	70704941	70706940	LINC01788		101927244	0.422715683	0.621565626	-0.198849942
ENSG00000198846	chr8	59118648	59120647	TOX		9760	0.289924475	0.516196295	-0.22627182
ENSG00000211599	chr2	88895732	88897731	IGKV5-2	NA		0.4550733	0.669092522	-0.214019222
ENSG00000251212	chr4	17060378	17062377	MTND5P4	NA		0.460015141	0.706727009	-0.246711867
ENSG00000270091	chr17	19896788	19898787	NA	NA		0.467487297	0.687172376	-0.219685079
ENSG00000122678	chr7	44082031	44084030	POLM		27434	0.477642734	0.673920753	-0.196278019
ENSG00000226447	chr10	37975325	37977324	ZNF25-DT	NA		0.653425624	0.444230403	0.209195221
ENSG00000242671	chr3	146920295	146922294	LINC02010	NA		0.469093067	0.689168172	-0.220075105
ENSG00000207571	chr12	54032450	54034449	MIR615		693200	0.416003843	0.609291814	-0.193287971
ENSG00000166133	chr15	40567799	40569798	RPUSD2		27079	0.3770502	0.583113029	-0.206062829
ENSG00000285778	chr1	73914841	73916840	NA	NA		0.668938803	0.455418445	0.213520358
ENSG00000289410	chr2	61763806	61765805	NA	NA		0.495768911	0.727613543	-0.231844632
ENSG00000289855	chr2	61763044	61765043	NA	NA		0.727613543	0.495768911	0.231844632
ENSG00000199836	chr14	99943815	99945814	RNU1-47P	NA		0.664022236	0.463717922	0.200304314
ENSG00000153684	chr15	28377121	28379120	GOLGA8F		100132565	0.3640539	0.537534302	-0.173480402
ENSG00000227627	chr6	152981831	152983830	NA	NA		0.653884542	0.467386687	0.186497855
ENSG00000259008	chr14	57353946	57355945	NA	NA		0.315449706	0.488777525	-0.173327819
ENSG00000256138	chr12	18491551	18493550	ZKSCAN7P1	NA		0.475477523	0.3021907	0.173286823
ENSG00000228484	chr10	114763288	114765287	NA		101927692	0.413373672	0.608284187	-0.194910515
ENSG00000265698	chr18	70410555	70412554	LARP7P3	NA		0.574899672	0.372878999	0.202020673
ENSG00000140854	chr16	57734239	57736238	KATNB1		10300	0.607986929	0.413448664	0.194538266
ENSG00000166263	chr17	54967227	54969226	STXBP4		252983	0.631029077	0.431428056	0.199601021

ENSG00000273077	chr4	128552917	128554916	NA	NA	0.681651166	0.455391078	0.226260088	
ENSG00000267664	chr18	40144005	40146004	RPL17P45	NA	0.338237148	0.511294035	-0.173056888	
ENSG00000232118	chr21	29375840	29377839	BACH1-AS1	NA	0.506663014	0.333629068	0.173033946	
ENSG00000178860	chr8	71843913	71845912	MSC		9242	0.635887096	0.432271908	0.203615188
ENSG00000200114	chr3	12510714	12512713	RNA5SP123	NA		0.425347878	0.620351948	-0.195004069
ENSG00000256513	chr12	28825332	28827331	NA	NA		0.432273493	0.633244742	-0.200971248
ENSG00000230323	chr21	32197314	32199313	LINC00159	NA		0.490230968	0.687354307	-0.197123339
ENSG00000207732	chr4	20526775	20528774	MIR218-1		407000	0.554199222	0.351125669	0.203073553
ENSG00000252103	chr20	1528660	1530659	RNU6-917P	NA		0.439374836	0.638067431	-0.198692595
ENSG00000180318	chr12	85278720	85280719	ALX1		8092	0.464510453	0.658572272	-0.194061819
ENSG00000274834	chr16	12612951	12614950	NA	NA		0.657678672	0.448577691	0.209100981
ENSG00000174844	chr3	57543845	57545844	DNAH12		201625	0.472225925	0.668190183	-0.195964258
ENSG00000153253	chr2	165203551	165205550	SCN3A		6328	0.641751046	0.446832273	0.194918773
ENSG00000169488	chr14	19974091	19976090	OR4K15		81127	0.305818149	0.485103199	-0.179285049
ENSG00000201076	chr2	60909803	60911802	RNU4-51P	NA		0.619425225	0.42271253	0.196712694
ENSG00000239439	chr3	112031150	112033149	RFKP2	NA		0.493789033	0.670718066	-0.176929033
ENSG00000259020	chr14	92025066	92027065	NA	NA		0.424417861	0.624688752	-0.20027089
ENSG00000265206	chr17	58332024	58334023	MIR142HG	NA		0.40993526	0.584316419	-0.174381159
ENSG00000288900	chr2	191677364	191679363	NA	NA		0.595105272	0.404811288	0.190293984
ENSG00000229431	chr1	43383613	43385612	MED8-AS1	NA		0.661324756	0.453817119	0.207507637
ENSG00000265932	chr7	19704937	19706936	MIR3146		100422967	0.40243415	0.588858374	-0.186424224
ENSG00000257720	chr14	36054814	36056813	ILF2P2	NA		0.640586433	0.437561327	0.203025105
ENSG00000273450	chr10	94314828	94316827	NA	NA		0.310156559	0.552923105	-0.242766546
ENSG00000242635	chr4	160816922	160818921	RPS14P7	NA		0.584814173	0.400658695	0.184155478
ENSG00000279794	chr19	56148317	56150316	NA	NA		0.733316839	0.501433577	0.231883262
ENSG00000272685	chr11	58109162	58111161	OR9I3P	NA		0.412709211	0.596255565	-0.183546354
ENSG00000258810	chr14	20782388	20784387	LINC03058	NA		0.437056967	0.668739272	-0.231682305
ENSG00000274954	chr15	51831634	51833633	NA	NA		0.699852769	0.481496472	0.218356298
ENSG00000259427	chr15	45565276	45567275	DPPA5P2	NA		0.411291064	0.620673098	-0.209382034
ENSG00000164654	chr7	7565375	7567374	MIOS		54468	0.490611263	0.318773318	0.171837946
ENSG00000256875	chr12	132460742	132462741	NA	NA		0.410411361	0.692586301	-0.282174939
ENSG00000270139	chr21	16418581	16420580	NA	NA		0.651010633	0.457964498	0.193046135
ENSG00000279575	chr10	10393170	10395169	NA	NA		0.620595786	0.424370056	0.19622573
ENSG00000163106	chr4	94342377	94344376	HPGDS		27306	0.668207107	0.456036381	0.212170726

ENSG00000265859	chr3	131985432	131987431	MIR5704		100847040	0.575134594	0.392397137	0.182737457
ENSG00000214189	chr19	12090968	12092967	ZNF788P	NA		0.671705957	0.476555385	0.195150571
ENSG00000233379	chr13	77975040	77977039	NA	NA		0.601103347	0.411313403	0.189789944
ENSG00000123178	chr13	49935991	49937990	SPRYD7		57213	0.65199036	0.450621272	0.201369088
ENSG00000238168	chr12	111579879	111581878	IFITM3P5	NA		0.434140048	0.631239449	-0.197099401
ENSG00000168275	chr1	234371956	234373955	COA6		388753	0.440959284	0.269636252	0.171323032
ENSG00000287277	chr10	7117970	7119969	NA		107984203	0.651960729	0.446873838	0.20508689
ENSG00000244743	chr12	32861618	32863617	RPL35AP27	NA		0.381648416	0.611527418	-0.229879002
ENSG00000146955	chr7	140402558	140404557	RAB19		401409	0.695502242	0.477116742	0.2183855
ENSG00000234067	chr3	40586929	40588928	RPL5P10	NA		0.399342156	0.582795475	-0.18345332
ENSG00000261734	chr3	20386749	20388748	NA	NA		0.466979458	0.295962193	0.171017265
ENSG00000151388	chr5	33891520	33893519	ADAMTS12		81792	0.634567936	0.439130768	0.195437169
ENSG00000199535	chr10	24638666	24640665	RNA5SP305	NA		0.59886599	0.406281616	0.192584374
ENSG00000224643	chr2	183108020	183110019	NA	NA		0.43818242	0.63874128	-0.20055886
ENSG00000150556	chr2	149036607	149038606	LYPD6B		130576	0.561321183	0.390079857	0.171241326
ENSG00000240674	chr4	165012346	165014345	RPL21P51	NA		0.411878954	0.58874479	-0.176865836
ENSG00000207926	chr3	52293809	52295808	MIR135A1		406925	0.473792875	0.680873182	-0.207080306
ENSG00000232922	chr7	112373751	112375750	MTND6P24	NA		0.665168163	0.456793377	0.208374785
ENSG00000287237	chr12	94261800	94263799	NA	NA		0.621187484	0.426289522	0.194897962
ENSG00000240602	chr3	151768974	151770973	AADACP1	NA		0.421904802	0.604502558	-0.182597756
ENSG00000243900	chr13	51468253	51470252	RN7SL320P	NA		0.399802941	0.585350667	-0.185547727
ENSG00000124920	chr11	61751136	61753135	MYRF		745	0.408958143	0.62934568	-0.220387537
ENSG00000163626	chr4	73069256	73071255	COX18		285521	0.270742177	0.4515138	-0.180771623
ENSG00000231234	chr7	66423394	66425393	SKP1P1	NA		0.565272405	0.333767372	0.231505033
ENSG00000154027	chr1	77280519	77282518	AK5		26289	0.692101546	0.483222737	0.208878809
ENSG00000249763	chr4	69241128	69243127	NA	NA		0.605882542	0.414471855	0.191410687
ENSG00000274206	chr2	96937423	96939422	NA	NA		0.594607508	0.408340979	0.186266529
ENSG00000254139	chr8	57744629	57746628	LINC03018		286178	0.643617447	0.458309955	0.185307492
ENSG00000252107	chr6	140158195	140160194	RNA5SP220	NA		0.640329751	0.445197248	0.195132503
ENSG00000204128	chr2	231036023	231038022	C2orf72		257407	0.673040905	0.479143412	0.193897493
ENSG00000250430	chr4	165026445	165028444	NA	NA		0.609771904	0.363022751	0.246749153
ENSG00000244392	chr7	80244426	80246425	RN7SL869P	NA		0.662812325	0.398603829	0.264208497
ENSG00000275312	chr10	45178900	45180899	NA	NA		0.463892435	0.66746268	-0.203570244
ENSG00000136918	chr9	124851917	124853916	WDR38		401551	0.417237515	0.633253965	-0.21601645

ENSG00000250838	chr17	48996993	48998992	NA	NA	0.498086705	0.683345713	-0.185259007	
ENSG00000205884	chr8	11974100	11976099	DEFB136		613210	0.553179351	0.290954489	0.262224863
ENSG00000252080	chr16	6747408	6749407	RNU7-99P	NA		0.562938081	0.336603092	0.226334988
ENSG00000244038	chr1	20661045	20663044	DDOST		1650	0.674176729	0.464096349	0.21008038
ENSG00000291217	chr1	243101245	243103244	NA		731275	0.389874484	0.568584011	-0.178709526
ENSG00000260268	chr16	52084610	52086609	LINC00919		100505619	0.600690562	0.338747989	0.261942573
ENSG00000229623	chr21	39235521	39237520	METTL21AP1	NA		0.467003886	0.688883392	-0.221879507
ENSG00000198874	chr7	66993673	66995672	TYW1		55253	0.433896486	0.630391639	-0.196495153
ENSG00000259972	chr16	74334847	74336846	NA	NA		0.582705218	0.40542704	0.177278178
ENSG00000253474	chr8	49084801	49086800	NA	NA		0.47350939	0.687430042	-0.213920652
ENSG00000179041	chr8	66427514	66429513	RRS1		23212	0.715226007	0.492792449	0.222433558
ENSG00000257219	chr12	76258336	76260335	LNCOG		105369848	0.381773435	0.603503837	-0.221730402
ENSG00000056291	chr4	72030402	72032401	NPFRR2		10886	0.71878843	0.495307586	0.223480844
ENSG00000262681	chr17	19717559	19719558	NA	NA		0.666815971	0.426491254	0.240324717
ENSG00000157613	chr11	46276162	46278161	CREB3L1		90993	0.481993472	0.674487117	-0.192493644
ENSG00000258168	chr12	70466580	70468579	NA	NA		0.547471418	0.366560471	0.180910948
ENSG00000251235	chr5	76375175	76377174	SNRPCP2	NA		0.63744731	0.44387381	0.1935735
ENSG00000277043	chr6	49359921	49361920	EEF1A1P42	NA		0.526960018	0.358037225	0.168922793
ENSG00000212379	chr16	58377649	58379648	RNU6-269P	NA		0.60314761	0.397378356	0.205769254
ENSG00000269256	chr10	76560495	76562494	NA	NA		0.540400529	0.371643468	0.168757061
ENSG00000163735	chr4	73998178	74000177	CXCL5		6374	0.339899551	0.511648745	-0.171749193
ENSG00000213261	chr7	131662125	131664124	EEF1B2P6	NA		0.372688183	0.541357831	-0.168669648
ENSG00000173273	chr8	9554412	9556411	TNKS		8658	0.705115736	0.489491596	0.21562414
ENSG00000249436	chr5	57572527	57574526	LNCBRM		100996645	0.580905848	0.360310413	0.220595435
ENSG00000253750	chr8	64553976	64555975	NA	NA		0.44226758	0.64140204	-0.19913446
ENSG00000253800	chr8	64570833	64572832	NA	NA		0.44226758	0.64140204	-0.19913446
ENSG00000231616	chr9	83830086	83832085	NA	NA		0.460364237	0.66740326	-0.207039023
ENSG00000275607	chr3	58379026	58381025	WDR53P1	NA		0.660541111	0.454670122	0.205870989
ENSG00000222344	chr2	229892846	229894845	RNU6-613P	NA		0.613328078	0.42645001	0.186878068
ENSG00000253644	chr8	101392756	101394755	LINC02845		105375680	0.677254345	0.468313057	0.208941287
ENSG00000289138	chr3	19950202	19952201	NA	NA		0.298578923	0.484381743	-0.18580282
ENSG00000285675	chr8	10146979	10148978	NA	NA		0.661155071	0.437472132	0.223682939
ENSG00000267788	chr17	44981014	44983013	NA	NA		0.665909337	0.474820494	0.191088843
ENSG00000154001	chr14	63542878	63544877	PPP2R5E		5529	0.651163344	0.443972164	0.20719118

ENSG00000131871	chr15	101277001	101279000	SELENOS		55829	0.686981501	0.478502942	0.208478559
ENSG00000278576	chr14	88587731	88589730	NA	NA		0.732605376	0.511398193	0.221207183
ENSG00000236391	chr2	173337962	173339961	NA	NA		0.580072862	0.398945957	0.181126904
ENSG00000226982	chr12	89498593	89500592	CENPCP1	NA		0.617012344	0.408750823	0.208261521
ENSG00000251177	chr4	69585028	69587027	NA	NA		0.644824929	0.446614655	0.198210273
ENSG00000270610	chr14	70232995	70234994	NA	NA		0.552676137	0.380539022	0.172137115
ENSG00000170128	chr1	200871481	200873480	GPR25		2848	0.664867866	0.391325294	0.273542572
ENSG00000211575	chr1	93845332	93847331	MIR760		100126348	0.413182881	0.607186556	-0.194003675
ENSG00000283228	chr2	151973450	151975449	NA	NA		0.593536505	0.421551244	0.171985262
ENSG00000144840	chr3	120742494	120744493	RABL3		285282	0.440464394	0.667434275	-0.22696988
ENSG00000176787	chr11	5059128	5061127	OR52E2		119678	0.426378275	0.625025986	-0.198647711
ENSG00000222146	chr8	112148326	112150325	RNU4-37P	NA		0.418997831	0.639331257	-0.220333426
ENSG00000253365	chr2	90009241	90011240	IGKV1D-22	NA		0.533067419	0.762524519	-0.2294571
ENSG00000135547	chr6	125746164	125748163	HEY2		23493	0.662651632	0.44402031	0.218631321
ENSG00000183514	chr2	227870145	227872144	TDGF1P2	NA		0.406632787	0.573448663	-0.166815876
ENSG00000154309	chr1	222813522	222815521	DISP1		84976	0.424464976	0.624465749	-0.200000774
ENSG00000266110	chr1	85132294	85134293	MIR4423		100616481	0.576264214	0.384325016	0.191939198
ENSG00000255379	chr11	108822151	108824150	CYCSP29	NA		0.469401196	0.68342198	-0.214020784
ENSG00000260351	chr15	83021071	83023070	NA	NA		0.458969476	0.661897893	-0.202928417
ENSG00000232773	chr4	9420813	9422812	DEFB130D	NA		0.739407151	0.521176692	0.21823046
ENSG00000012660	chr6	53348680	53350679	ELOVL5		60481	0.647222156	0.440929289	0.206292867
ENSG00000106077	chr7	73738353	73740352	ABHD11		83451	0.725752276	0.513562806	0.21218947
ENSG00000238575	chr18	2553858	2555857	NA		124904380	0.668405989	0.488117466	0.180288523
ENSG00000260855	chr1	246770801	246772800	NA	NA		0.59311786	0.426715464	0.166402396
ENSG00000274321	chr1	88518500	88520499	NA	NA		0.619388972	0.421656772	0.1977322
ENSG00000170340	chr2	62194615	62196614	B3GNT2		10678	0.330618022	0.599362607	-0.268744585
ENSG00000043355	chr13	99980284	99982283	ZIC2		7546	0.705706461	0.490547244	0.215159217
ENSG00000263201	chr16	68015412	68017411	DPEP2NB		100131303	0.467330101	0.666408572	-0.199078471
ENSG00000234715	chr7	103443707	103445706	SLC26A5-AS1		101927870	0.610869582	0.424808929	0.186060653
ENSG00000189056	chr7	103989159	103991158	RELN		5649	0.424808929	0.610869582	-0.186060653
ENSG00000243700	chr14	58178271	58180270	RN7SL598P	NA		0.659016195	0.468159286	0.19085691
ENSG00000213917	chr2	214280953	214282952	RPL5P8	NA		0.46328403	0.6600904	-0.19680637
ENSG00000253148	chr1	192315492	192317491	RGS21		431704	0.43061806	0.610117705	-0.179499645
ENSG00000289952	chr10	88581465	88583464	NA	NA		0.500707589	0.71980685	-0.219099261

ENSG00000261642	chr1	191150010	191152009	NA	NA	0.602054767	0.406652963	0.195401803	
ENSG00000253415	chr8	98905172	98907171	NA	NA	0.400393257	0.579419708	-0.179026451	
ENSG00000254312	chr8	98906018	98908017	MRPL57P7	NA	0.400393257	0.579419708	-0.179026451	
ENSG00000106384	chr7	101200539	101202538	MOGAT3		346606	0.643123013	0.439948055	0.203174958
ENSG00000133460	chr22	23855203	23857202	SLC2A11		66035	0.676608824	0.471526549	0.205082274
ENSG00000047457	chr3	149221330	149223329	CP		1356	0.591771431	0.404272107	0.187499324
ENSG00000205730	chr16	19112432	19114431	ITPRIPL2		162073	0.578291676	0.402007342	0.176284334
ENSG00000166479	chr18	68714609	68716608	TMX3		54495	0.623456137	0.366247674	0.257208464
ENSG00000233981	chr6	14003420	14005419	NA	NA		0.571025842	0.396851206	0.174174636
ENSG00000164935	chr8	104337587	104339586	DCSTAMP		81501	0.672931157	0.468796483	0.204134675
ENSG00000270359	chr14	48318895	48320894	NA	NA		0.519486992	0.354044995	0.165441997
ENSG00000223549	chr2	120213681	120215680	MTND5P28	NA		0.659864538	0.459253367	0.200611172
ENSG00000236965	chr11	5798864	5800863	OR52N3P	NA		0.610618956	0.413210679	0.197408277
ENSG00000244493	chr3	143379838	143381837	SLC9A9-AS2	NA		0.631862849	0.44474705	0.187115799
ENSG00000222468	chr8	31597705	31599704	RNA5SP261	NA		0.332136435	0.549481433	-0.217344997
ENSG00000231090	chr1	55216145	55218144	MIR4422HG		109729135	0.675086983	0.469962822	0.20512416
ENSG00000255400	chr11	12085391	12087390	LINC02989	NA		0.390047925	0.560932718	-0.170884794
ENSG00000259240	chr15	51035988	51037987	MIR4713HG		109729174	0.477133898	0.685146597	-0.208012699
ENSG00000101197	chr20	63234383	63236382	BIRC7		79444	0.625881875	0.434770828	0.191111046
ENSG00000237038	chr8	7972754	7974753	USP17L8	392188;392197		0.406617246	0.597618787	-0.191001541
ENSG00000231054	chr2	45167083	45169082	NA	NA		0.631957693	0.442983332	0.18897436
ENSG00000228586	chr2	158684403	158686402	NA	NA		0.338154018	0.502999476	-0.164845458
ENSG00000287551	chr9	28538235	28540234	NA	NA		0.572196357	0.350552948	0.221643409
ENSG00000224776	chr11	109980692	109982691	RPSAP50	NA		0.662056695	0.466099399	0.195957296
ENSG00000182179	chr3	49813454	49815453	UBA7		7318	0.628212684	0.44002977	0.188182915
ENSG00000104915	chr19	13149884	13151883	STX10		8677	0.495128869	0.709781448	-0.214652579
ENSG00000111816	chr6	116060392	116062391	FRK		2444	0.378133708	0.57985158	-0.201717872
ENSG00000245522	chr11	9759034	9761033	LINC02709		440028	0.427848347	0.642949606	-0.215101259
ENSG00000284622	chr2	227607284	227609283	SCYGR10		112441436	0.654766775	0.456537924	0.198228851
ENSG00000285659	chr8	7523643	7525642	NA	NA		0.703449841	0.454133969	0.249315872
ENSG00000163430	chr3	120450517	120452516	FSTL1		11167	0.438823911	0.274265847	0.164558064
ENSG00000288071	chr6	80084277	80086276	NA	NA		0.450228523	0.63383373	-0.183605207
ENSG00000257995	chr12	90622323	90624322	NA	NA		0.664555187	0.465452097	0.199103089
ENSG00000283377	chr1	237943154	237945153	NA	NA		0.39782507	0.570687705	-0.172862636

ENSG00000278040	chr9	75016349	75018348	NA	NA		0.473893217	0.20062908	0.273264137
ENSG00000271711	chr3	150611378	150613377	SAP30P1	NA		0.687887789	0.495025354	0.192862436
ENSG00000283782	chr5	132409332	132411331	NA	NA		0.660093067	0.468456177	0.19163689
ENSG00000232905	chr9	113851133	113853132	NA	NA		0.449412484	0.643979102	-0.194566618
ENSG00000225578	chr3	196938377	196940376	NCBP2-AS1		100874001	0.401882385	0.597436317	-0.195553933
ENSG00000261624	chr7	141350477	141352476	NDUFB10P2	NA		0.667267413	0.415857031	0.251410382
ENSG00000172346	chr22	41559510	41561509	CSDC2		27254	0.692257361	0.499782061	0.1924753
ENSG00000136925	chr9	97632869	97634868	TSTD2		158427	0.691643071	0.46662384	0.225019231
ENSG00000187037	chr7	37682266	37684265	GPR141		353345	0.644193552	0.421587886	0.222605666
ENSG00000048052	chr7	18085449	18087448	HDAC9		9734	0.522845336	0.358756964	0.164088373
ENSG00000280140	chr4	158111432	158113431	NA	NA		0.360691977	0.559633507	-0.198941529
ENSG00000250594	chr4	110264518	110266517	RNF14P2	NA		0.335863519	0.499872736	-0.164009217
ENSG00000286231	chr1	220785490	220787489	NA	NA		0.40738104	0.243400948	0.163980092
ENSG00000255250	chr11	86725855	86727854	NA	NA		0.461178782	0.663582373	-0.202403591
ENSG00000266369	chr17	20854446	20856445	NA	NA		0.531299245	0.363064247	0.168234998
ENSG00000215236	chr9	15359893	15361892	RPL7P33	NA		0.423866282	0.597513122	-0.17364684
ENSG00000282502	chr3	149463615	149465614	FKBP1AP4	NA		0.57366527	0.323323892	0.250341378
ENSG00000184076	chr22	29765869	29767868	UQCR10		29796	0.61843557	0.435784036	0.182651534
ENSG00000264924	chr18	24120504	24122503	NA	NA		0.626754109	0.401753754	0.225000355
ENSG00000033867	chr3	27483921	27485920	SLC4A7		9497	0.486124616	0.684492357	-0.198367741
ENSG00000266397	chr18	2965518	2967517	NA	NA		0.463055905	0.633656465	-0.17060056
ENSG00000264186	chr18	2989152	2991151	SNRPCP4	NA		0.633656465	0.463055905	0.17060056
ENSG00000207650	chr3	195697901	195699900	MIR570		693155	0.45967536	0.658355297	-0.198679937
ENSG00000230171	chr10	80124441	80126440	RPL22P18	NA		0.626231295	0.439701471	0.186529824
ENSG00000286465	chr18	27452966	27454965	NA	NA		0.532340086	0.363569807	0.168770279
ENSG00000172459	chr11	56662186	56664185	OR5AR1		219493	0.446087713	0.637555539	-0.191467826
ENSG00000258558	chr14	30822203	30824202	NA	NA		0.670505777	0.472527827	0.197977951
ENSG00000196872	chr2	98935760	98937759	CRACDL		343990	0.425924527	0.653235208	-0.227310681
ENSG00000113163	chr5	75511639	75513638	CERT1		10087	0.6431806	0.448896165	0.194284434
ENSG00000116711	chr1	186827449	186829448	PLA2G4A		5321	0.309176986	0.512887804	-0.203710818
ENSG00000186226	chr1	152784714	152786713	LCE1E		353135	0.428381106	0.265123226	0.163257879
ENSG00000235469	chr10	59551379	59553378	MRPL50P4	NA		0.460944254	0.648393157	-0.187448903
ENSG00000289954	chr10	110641745	110643744	NA	NA		0.346827407	0.598969876	-0.25214247
ENSG00000279144	chr3	52848054	52850053	NA	NA		0.486270813	0.693294687	-0.207023874

ENSG00000229621	chr2	21710157	21712156	LINC01822		645949	0.38413989	0.547089365	-0.162949475
ENSG00000243544	chr3	121653797	121655796	RN7SL172P	NA		0.449426039	0.244688924	0.204737115
ENSG00000211809	chr14	22146495	22148494	TRAV27	NA		0.458159411	0.651829392	-0.193669981
ENSG00000234840	chr9	22644700	22646699	LINC01239		441389	0.459645587	0.633988996	-0.174343409
ENSG00000291291	chr21	14821307	14823306	NA	NA		0.43377664	0.623736726	-0.189960086
ENSG00000253957	chr14	106257724	106259723	IGHV3-22	NA		0.549250339	0.374204	0.175046339
ENSG00000253065	chr5	168032706	168034705	NA	NA		0.483284155	0.668666898	-0.185382744
ENSG00000257750	chr12	73757157	73759156	LINC02445	NA		0.631705995	0.386565703	0.245140292
ENSG00000279072	chr7	56848301	56850300	NA	NA		0.483236033	0.691521907	-0.208285874
ENSG00000144668	chr3	37450615	37452614	ITGA9		3680	0.646984516	0.454017557	0.192966958
ENSG00000229521	chr13	77080691	77082690	MYCBP2-AS2		100874213	0.6712072	0.434921512	0.236285687
ENSG00000010282	chr3	42702325	42704324	HHATL		57467	0.274014632	0.436533547	-0.162518915
ENSG00000253495	chr8	119617975	119619974	CYCSP23	NA		0.358113695	0.546361833	-0.188248138
ENSG00000259493	chr15	79559805	79561804	TFDP1P3	NA		0.642821385	0.451150987	0.191670398
ENSG00000253634	chr8	92655077	92657076	NA	NA		0.420116554	0.586139186	-0.166022631
ENSG00000151631	chr10	4891476	4893475	AKR1C6P	NA		0.703336056	0.498653411	0.204682645
ENSG00000270521	chr6	66710328	66712327	NA	NA		0.386621004	0.616285091	-0.229664087
ENSG00000173908	chr17	40799460	40801459	KRT28		162605	0.445601714	0.630350571	-0.184748856
ENSG00000248330	chr4	135913181	135915180	LINC00613		100507528	0.666367916	0.475344035	0.191023881
ENSG00000269271	chr19	54587941	54589940	NA	NA		0.51456573	0.352194443	0.162371287
ENSG00000138382	chr2	169824432	169826431	METTL5		29081	0.415320596	0.591929852	-0.176609256
ENSG00000213539	chr9	109533833	109535832	YBX1P6	NA		0.381360271	0.637488182	-0.256127911
ENSG00000265939	chr18	22900496	22902495	UBE2CP2	NA		0.632688465	0.444289859	0.188398606
ENSG00000142556	chr19	52029741	52031740	ZNF614		80110	0.680947015	0.488172728	0.192774287
ENSG00000198553	chr13	50013754	50015753	KCNRG		283518	0.618527089	0.441567724	0.176959366
ENSG00000272293	chr8	450844	452843	NA	NA		0.442170807	0.629603688	-0.187432881
ENSG00000279939	chr12	89543989	89545988	NA	NA		0.432388574	0.615559734	-0.18317116
ENSG00000241961	chr8	67405015	67407014	RPL17P31	NA		0.339553132	0.544148075	-0.204594942
ENSG00000248107	chr5	126178065	126180064	LINC02039		102546228	0.670628001	0.488980743	0.181647258
ENSG00000265182	chr18	49496397	49498396	SRP72P1	NA		0.695854119	0.490034299	0.20581982
ENSG00000272982	chr1	111180992	111182991	NA	NA		0.396402148	0.567995655	-0.171593507
ENSG00000115828	chr2	37341327	37343326	QPCT		25797	0.436380849	0.658722418	-0.222341569
ENSG00000138594	chr15	51828128	51830127	TMOD3		29766	0.500981013	0.698739994	-0.197758981
ENSG00000255100	chr11	76782563	76784562	TSKU-AS1		101928837	0.514490522	0.714805085	-0.200314562

ENSG00000258466	chr14	67689868	67691867	NA	NA	0.509820962	0.724295572	-0.21447461	
ENSG00000274168	chr13	94699003	94701002	RN7SL585P	NA	0.643810582	0.459832043	0.183978539	
ENSG00000207608	chr14	100881479	100883478	MIR127		406914	0.664293892	0.463405786	0.200888106
ENSG00000199884	chr2	152283961	152285960	NA	NA		0.550694055	0.314779179	0.235914875
ENSG00000116299	chr1	109112179	109114178	ELAPOR1		57535	0.673123123	0.476038522	0.197084601
ENSG00000251542	chr5	114574541	114576540	LINC01957		101927059	0.453288283	0.656380307	-0.203092025
ENSG00000249729	chr4	44840903	44842902	NA	NA		0.439855105	0.623729147	-0.183874043
ENSG00000222030	chr2	59216208	59218207	LINC01793		101927285	0.403062884	0.612162664	-0.20909978
ENSG00000230581	chr9	6832956	6834955	ACTG1P14	NA		0.60737066	0.41370356	0.193667099
ENSG00000232215	chr1	248001629	248003628	OR2L6P	NA		0.56925735	0.407951286	0.161306064
ENSG00000243920	chr4	57352830	57354829	RPS26P24	NA		0.613190418	0.413004191	0.200186227
ENSG00000200830	chr12	14553471	14555470	RN7SKP134	NA		0.406822853	0.592191486	-0.185368633
ENSG00000215004	chr3	29085896	29087895	MESTP4	NA		0.638413736	0.426902609	0.211511127
ENSG00000200895	chr6	131818834	131820833	RN7SKP245	NA		0.663673078	0.467606628	0.196066451
ENSG00000120162	chr9	27529315	27531314	MOB3B		79817	0.492014129	0.674500438	-0.182486309
ENSG00000203546	chr14	31456942	31458941	NA	NA		0.634052315	0.443256742	0.190795574
ENSG00000251185	chr4	75360683	75362682	NA	NA		0.603440765	0.417018384	0.186422381
ENSG00000248459	chr3	129997031	129999030	RPS17P9	NA		0.48902932	0.693559887	-0.204530567
ENSG0000025039	chr6	89411774	89413773	RRAGD		58528	0.673670641	0.474950814	0.198719827
ENSG00000206836	chr2	197446245	197448244	RNU6-1029P	NA		0.403778338	0.603251816	-0.199473478
ENSG00000248692	chr4	62165055	62167054	ADGRL3-AS1	NA		0.377295541	0.581931495	-0.204635953
ENSG00000227941	chr1	162541129	162543128	UQCRBP2	NA		0.522958223	0.354962851	0.167995372
ENSG00000091986	chr3	112649031	112651030	CCDC80		151887	0.640062131	0.452100913	0.187961218
ENSG00000043143	chr5	134522812	134524811	JADE2		23338	0.693887726	0.496768882	0.197118844
ENSG00000200437	chr17	15309845	15311844	RNU6-799P	NA		0.696398089	0.491239773	0.205158316
ENSG00000111817	chr6	116252673	116254672	DSE		29940	0.432124979	0.611496565	-0.179371586
ENSG00000174718	chr12	31957870	31959869	RESF1		55196	0.490597903	0.668026972	-0.177429069
ENSG00000235352	chr2	144755499	144757498	SGCEP1	NA		0.565007123	0.343465499	0.221541624
ENSG00000254737	chr11	124011497	124013496	OR10G4		390264	0.443127525	0.637481504	-0.194353979
ENSG00000202471	chr12	59586444	59588443	RNU4-20P	NA		0.675291192	0.478162408	0.197128783
ENSG00000229626	chr7	107807234	107809233	PIGCP2	NA		0.418982872	0.60822733	-0.189244458
ENSG00000252530	chr1	101728238	101730237	RNU6-965P	NA		0.492590537	0.672147263	-0.179556726
ENSG00000213296	chr7	124479024	124481023	NA	NA		0.554679624	0.363421065	0.191258559
ENSG00000254617	chr11	89885866	89887865	NA	NA		0.685390959	0.497699708	0.187691251

ENSG00000238840	chr10	4962069	4964068	NA	NA		0.546717706	0.353011463	0.193706243
ENSG00000113100	chr5	27120651	27122650	CDH9		1007	0.61932988	0.401424967	0.217904912
ENSG00000111052	chr12	80937435	80939434	LIN7A		8825	0.652153078	0.460280702	0.191872376
ENSG00000147854	chr9	6411651	6413650	UHRF2		115426	0.476798724	0.671537808	-0.194739084
ENSG00000278525	chr20	20738232	20740231	RN7SL607P	NA		0.653586268	0.485563836	0.168022432
ENSG00000064313	chr8	119832364	119834363	TAF2		6873	0.485616442	0.682648307	-0.197031865
ENSG00000257604	chr12	79500188	79502187	NA	NA		0.296533429	0.45663157	-0.160098141
ENSG00000250812	chr4	55217844	55219843	METTL5P3	NA		0.707824652	0.509161654	0.198662999
ENSG00000115604	chr2	102310029	102312028	IL18R1		8809	0.665104523	0.407395876	0.257708648
ENSG00000252653	chr17	66266243	66268242	RNA5SP444	NA		0.683850234	0.464738763	0.219111471
ENSG00000234233	chr1	211132875	211134874	KCNH1-IT1	NA		0.632629604	0.445724747	0.186904857
ENSG00000229483	chr13	23170098	23172097	LINC00362	NA		0.63121362	0.437512741	0.193700879
ENSG00000254575	chr8	14159584	14161583	NA	NA		0.612481098	0.447300329	0.165180769
ENSG00000261198	chr16	7614493	7616492	NA	NA		0.649793284	0.458183311	0.191609973
ENSG00000205578	chr7	73291997	73293996	POM121B	NA		0.517986538	0.715206815	-0.197220277
ENSG00000145041	chr3	51499516	51501515	DCAF1		9730	0.481156016	0.678781965	-0.197625948
ENSG00000148841	chr10	104337966	104339965	ITPRIP		85450	0.41858754	0.593829989	-0.175242449
ENSG00000253676	chr8	106697514	106699513	TAGLN2P1	NA		0.513889088	0.332580263	0.181308825
ENSG00000252338	chr1	75537620	75539619	RNU6-503P	NA		0.654745146	0.478421773	0.176323373
ENSG00000224563	chr3	188568167	188570166	LPP-AS1		100873917	0.423617212	0.594129881	-0.170512669
ENSG00000096872	chr9	26945539	26947538	IFT74		80173	0.643606805	0.48079484	0.162811965
ENSG00000018625	chr1	160114259	160116258	ATP1A2		477	0.474438798	0.669286698	-0.1948479
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ENSG00000253049	chr3	3101413	3103412	NA	NA		0.655979665	0.467761339	0.188218326
ENSG00000201852	chr18	22179719	22181718	RNU6-702P	NA		0.558056137	0.3800563	0.177999837
ENSG00000253614	chr8	57259726	57261725	NA		286177	0.438891494	0.608126918	-0.169235424
ENSG00000137601	chr4	169612133	169614132	NEK1		4750	0.629768431	0.44107702	0.188691411
ENSG00000236959	chr4	69813389	69815388	SULT1D1P	NA		0.33447471	0.569492385	-0.235017674
ENSG00000161013	chr5	179806453	179808452	MGAT4B		11282	0.479479405	0.672789986	-0.193310581
ENSG00000253368	chr1	26992192	26994191	TRNP1		388610	0.647104527	0.473896758	0.173207769
ENSG00000155833	chr9	102993811	102995810	CYLC2		1539	0.6292369	0.453287578	0.175949321
ENSG00000242764	chr1	92402186	92404185	RN7SL824P	NA		0.484214155	0.668935883	-0.184721728
ENSG00000241891	chr14	81777114	81779113	RPL9P6	NA		0.644568451	0.449528617	0.195039834
ENSG00000289113	chr2	209298174	209300173	NA	NA		0.681319259	0.482631203	0.198688056

ENSG00000174125	chr4	38856318	38858317	TLR1		7096	0.548832977	0.360363161	0.188469816
ENSG00000173267	chr10	86957099	86959098	SNCG		6623	0.515269859	0.726016891	-0.210747032
ENSG00000224451	chr13	51596916	51598915	ATP5PBP1	NA		0.629856028	0.447950771	0.181905257
ENSG00000254531	chr4	101346252	101348251	NA		90024	0.480404535	0.671655142	-0.191250607
ENSG00000206684	chr1	172365040	172367039	RNU6-157P	NA		0.643621348	0.440561182	0.203060166
ENSG00000163093	chr2	169477980	169479979	BBS5		129880	0.755843545	0.535854182	0.219989363
ENSG00000113384	chr5	32173820	32175819	GOLPH3		64083	0.441453608	0.615420021	-0.173966412
ENSG00000260939	chr16	53010787	53012786	MTCH2P4	NA		0.636595745	0.393320056	0.243275689
ENSG00000280177	chr17	39163573	39165572	NA	NA		0.72632708	0.517385348	0.208941732
ENSG00000136045	chr12	107684299	107686298	PWP1		11137	0.48704765	0.685021062	-0.197973412
ENSG00000107897	chr10	27242547	27244546	ACBD5		91452	0.43859475	0.611644855	-0.173050105
ENSG00000221493	chr18	21682010	21684009	MIR320C1	NA		0.658756523	0.406058193	0.25269833
ENSG00000287899	chr3	171940107	171942106	NA	NA		0.619662447	0.419908388	0.199754058
ENSG00000290838	chr7	73219124	73221123	NCF1B		654816	0.495264526	0.6609962	-0.165731674
ENSG00000251356	chr5	91474882	91476881	RAB5CP2	NA		0.641424121	0.465406801	0.17601732
ENSG00000048740	chr10	10796897	10798896	CELF2		10659	0.521490587	0.734771278	-0.213280691
ENSG00000250340	chr4	58535829	58537828	LINC02494		105377671	0.612283824	0.408335207	0.203948618
ENSG00000280958	chr7	78168695	78170694	NA	NA		0.403014055	0.607444527	-0.204430472
ENSG00000214881	chr10	68544334	68546333	TMEM14DP	NA		0.654321876	0.469206569	0.185115308
ENSG00000225121	chr6	63478634	63480633	EEF1B2P5	NA		0.501676246	0.706646116	-0.20496987
ENSG00000246541	chr4	94207057	94209056	SMARCAD1-DT		101929210	0.442732762	0.61870765	-0.175974889
ENSG00000011132	chr19	3761193	3763192	APBA3		9546	0.51132721	0.719917427	-0.208590217
ENSG00000184139	chr4	131857414	131859413	RPL7AP28	NA		0.6024366	0.428885045	0.173551555
ENSG00000163072	chr2	168785039	168787038	NOSTRIN		115677	0.703625549	0.499731328	0.20389422
ENSG00000151012	chr4	138241850	138243849	SLC7A11		23657	0.437320542	0.639219065	-0.201898523
ENSG00000254632	chr11	76768123	76770122	NA	NA		0.439465907	0.612917456	-0.173451549
ENSG00000164074	chr4	127963815	127965814	ABHD18		80167	0.333585052	0.558638578	-0.225053526
ENSG00000253925	chr5	168187220	168189219	NA	NA		0.470331278	0.662293268	-0.19196199
ENSG00000260271	chr6	90294007	90296006	NA	NA		0.570777953	0.4107988	0.159979153
ENSG00000250903	chr6	2244218	2246217	GMDS-DT	NA		0.697213424	0.489881381	0.207332043
ENSG00000254104	chr8	262815	264814	NA	NA		0.696639193	0.495226918	0.201412275
ENSG00000287857	chr10	113869115	113871114	NA	NA		0.621126406	0.441323	0.179803406
ENSG00000288099	chr1	237011873	237013872	NA	NA		0.442092947	0.603762401	-0.161669455
ENSG00000230096	chr10	4425680	4427679	NA	NA		0.384483127	0.577671757	-0.19318863

ENSG00000254547	chr11	55874038	55876037	ANKRD33BP6	NA		0.363156845	0.560905094	-0.197748249
ENSG00000131473	chr17	41930043	41932042	ACLY		47	0.704758137	0.501400374	0.203357763
ENSG00000255995	chr11	93990930	93992929	NA	NA		0.544496736	0.38444349	0.160053246
ENSG00000224476	chr19	41168361	41170360	RPL36P16	NA		0.478742319	0.673041602	-0.194299283
ENSG00000101247	chr20	13783507	13785506	NDUFAF5		79133	0.659461896	0.453209194	0.206252702
ENSG00000256220	chr11	61225668	61227667	NA	NA		0.512585585	0.709501749	-0.196916164
ENSG00000238456	chr15	46659158	46661157	RNU6-1014P	NA		0.630152301	0.426129165	0.204023136
ENSG00000138075	chr2	43838366	43840365	ABCG5		64240	0.488712387	0.677891576	-0.189179189
ENSG00000222594	chr4	145033632	145035631	RN7SKP235	NA		0.658041692	0.468036316	0.190005376
ENSG00000224488	chr9	17448044	17450043	SAMM50P1	NA		0.662979082	0.471584998	0.191394084
ENSG00000165120	chr7	130204844	130206843	SSMEM1		136263	0.705949958	0.502782855	0.203167103
ENSG00000226338	chr2	153207664	153209663	NA	NA		0.317520323	0.579060232	-0.261539909
ENSG00000227301	chr9	33718190	33720189	NA	NA		0.630091657	0.44814717	0.181944487
ENSG00000286779	chr13	33798638	33800637	NA	NA		0.433292125	0.650921473	-0.217629348
ENSG00000166471	chr11	9314137	9316136	TMEM41B		440026	0.5243436	0.726040304	-0.201696704

mean.mean.quot.log2	comb.p.val	comb.p.adj.fdr	combinedRank	num.sites	mean.num.na.Low	mean.num.na.Normal	mean.mean.covg.Low
0.768639387	6.65E-09	0.000313421	143	1	0	0	14.42857143
0.711724421	4.24E-08	0.000999177	169	16	0	0	14.14285714
1.341086805	0.003005492	0.255606273	188	1	0	0	13.28571429
1.049109779	0.001789689	0.255606273	204	1	0	0	13.71428571
0.608716584	0.000000193	0.003032094	210	1	0	0	9.142857143
-0.995716199	0.000980336	0.255606273	217	1	0	0	10.57142857
0.982789995	0.003937493	0.255606273	242	1	0	0	26.28571429
0.967163214	0.003007825	0.255606273	258	2	0	0	10.5
0.94365719	0.004400502	0.255606273	284	1	0	0	15.42857143
1.00281326	0.001796327	0.255606273	297	1	0	0	12.71428571
0.933637338	0.001469517	0.255606273	299	1	0	0	10
-1.11726055	0.00483822	0.255606273	302	1	0	0	12.85714286
0.930921005	0.004146367	0.255606273	305	2	0	0	12.71428571
0.941022927	0.003200622	0.255606273	314	1	0	0	13.71428571
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0.909421003	0.003138422	0.255606273	338	1	0	0	11.28571429
0.909088031	0.004564509	0.255606273	339	1	0	0	13
0.906127004	0.005292259	0.255606273	346	1	0	0	12
-0.901054674	0.002673588	0.255606273	347	1	0	0	10.57142857
0.89954622	0.005059919	0.255606273	351	1	0	0	13.57142857
0.893183483	0.004958235	0.255606273	362	1	0	0	14.71428571
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0.817554263	0.007642874	0.255606273	646	3	0	0	13.57142857
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0.7569967	0.00535162	0.255606273	676	1	0	0	18.28571429
0.765679001	0.007816237	0.255606273	677	1	0	0	11
0.756837754	0.004639887	0.255606273	678	1	0	0	14.42857143
0.790031081	0.007817773	0.255606273	678	2	0	0	13.35714286
-0.755728313	0.000999668	0.255606273	684	1	0	0	10.57142857
0.755259937	0.007830842	0.255606273	686	1	0	0	12.42857143
0.755054632	0.006183736	0.255606273	687	1	0	0	12.42857143
-0.754765511	0.005569191	0.255606273	689	1	0	0	13.57142857

-0.900851668	0.007893508	0.255606273	689	2	0	0	14.42857143
-0.754189734	0.003947947	0.255606273	690	1	0	0	11.71428571
0.750495678	0.005640109	0.255606273	699	4	0	0	13.5
-0.948548291	0.007951518	0.255606273	700	1	0	0	13.14285714
0.928482008	0.007966704	0.255606273	702	1	0	0	10.85714286
0.748877117	0.00604938	0.255606273	706	4	0	0	11.96428571
0.748228629	0.006133471	0.255606273	709	3	0	0	11.33333333
0.747002769	0.006493744	0.255606273	711	2	0	0	12.78571429
-1.105098228	0.008050359	0.255606273	711	1	0	0	14.42857143
0.746500529	0.004991984	0.255606273	713	3	0	0	13.23809524
0.745533838	0.007929895	0.255606273	717	1	0	0	12.71428571
0.744380269	0.006009456	0.255606273	721	2	0	0	14.14285714
-0.743955157	0.006504663	0.255606273	723	1	0	0	13.42857143
0.743267753	0.007930669	0.255606273	724	1	0	0	13.14285714
0.779868981	0.008228358	0.255606273	734	1	0	0	10.28571429
-0.816984738	0.008235544	0.255606273	736	4	0	0	12.25
-0.73958025	0.006062781	0.255606273	740	1	0	0	12.28571429
0.897174295	0.00827434	0.255606273	741	1	0	0	13.57142857
-0.877388349	0.008287298	0.255606273	744	3	0	0	14
1.149411677	0.008313126	0.255606273	747	1	0	0	12.71428571
0.737336509	0.004101163	0.255606273	749	2	0	0	12.42857143
0.737054117	0.005481966	0.255606273	750	1	0	0	11.28571429
0.790140839	0.008338739	0.255606273	751	1	0	0	14.42857143
0.767124572	0.008339663	0.255606273	752	2	0	0	10.5
0.853121319	0.008394772	0.255606273	759	1	0	0	15.57142857
0.734304518	0.006522987	0.255606273	762	1	0	0	12.42857143
-0.733320671	0.005682881	0.255606273	769	3	0	0	12.76190476
0.733220826	0.003258807	0.255606273	770	4	0	0	14.07142857
0.835214166	0.008437956	0.255606273	770	1	0	0	6.285714286
-0.775225178	0.008494749	0.255606273	774	2	0	0	14.78571429
-0.730291352	0.001432995	0.255606273	779	3	0	0	12.66666667
-0.730212742	0.006626675	0.255606273	780	1	0	0	12.71428571
-0.730088866	0.001358926	0.255606273	781	1	0	0	13.42857143
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0.726668321	0.004788133	0.255606273	793	4	0	0	11.85714286
0.725054685	0.001318547	0.255606273	798	1	0	0	12.71428571
0.914512879	0.008681475	0.255606273	799	1	0	0	10.71428571
0.722872277	0.003097946	0.255606273	803	2	0	0	10.07142857
-0.795608167	0.008731814	0.255606273	806	2	0	0	18.85714286
-0.97943753	0.008743932	0.255606273	808	1	0	0	12.85714286
-0.850918903	0.008781118	0.255606273	812	1	0	0	14.14285714
0.718852344	0.0026165	0.255606273	816	1	0	0	8.714285714
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0.717899827	0.00775795	0.255606273	820	2	0	0	14
-0.733562778	0.008877888	0.255606273	825	3	0	0	15.23809524
-0.757382444	0.008915394	0.255606273	834	1	0	0	11.71428571
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0.749015318	0.00835123	0.255606273	842	1	0	0	9.714285714
0.764896877	0.008969417	0.255606273	842	2	0	0	11.92857143
-0.712164001	0.004824108	0.255606273	850	2	0	0	14.07142857
-0.711535535	0.005627304	0.255606273	856	2	0	0	17.21428571
-0.71148677	0.00283504	0.255606273	857	3	0	0	11.80952381
-0.710709907	0.006728988	0.255606273	859	1	0	0	17.42857143
0.775534356	0.009174347	0.255606273	865	1	0	0	14.28571429
0.70989645	0.00878321	0.255606273	866	2	0	0	15.85714286
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0.709390599	0.003719117	0.255606273	868	4	0	0	11.82142857
0.709071132	0.006951905	0.255606273	870	4	0	0	13.67857143
-0.70887017	0.005380243	0.255606273	872	2	0	0	12.21428571
0.759805953	0.009256291	0.255606273	873	1	0	0	15.42857143
0.706657527	0.0067026	0.255606273	877	1	0	0	15.71428571
0.951682752	0.009278356	0.255606273	877	1	0	0	7.714285714
0.706631591	0.008197319	0.255606273	878	1	0	0	15
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-0.704927386	0.003415248	0.255606273	888	1	0	0	11.14285714
-0.704601205	0.003527783	0.255606273	889	3	0	0	13.9047619
-0.704497842	0.005471948	0.255606273	891	1	0	0	14.85714286
0.704345973	0.008158398	0.255606273	892	1	0	0	13.71428571
0.738559298	0.009386208	0.255606273	895	5	0	0	11.8
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0.767719453	0.00938749	0.255606273	896	1	0	0	8.285714286
-0.703539703	0.005255756	0.255606273	897	4	0	0	13.53571429
0.760382828	0.00188168	0.255606273	900	1	0	0	11.85714286
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0.700433298	0.003032635	0.255606273	911	1	0	0	9.285714286
0.760746706	0.009522273	0.255606273	915	2	0	0	13.42857143
0.697878648	0.005510436	0.255606273	919	3	0	0	12.66666667
-0.697069094	0.006123386	0.255606273	923	2	0	0	9.5
-0.774825494	0.009570292	0.255606273	925	1	0	0	11.42857143
0.693653281	0.007463546	0.255606273	934	2	0	0	15.64285714
0.693364015	0.007085721	0.255606273	936	3	0	0	13.76190476
0.691710326	0.005820668	0.255606273	941	5	0	0	13.48571429
0.690247709	0.004227312	0.255606273	945	3	0	0	13.71428571
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0.735863148	0.00761348	0.255606273	962	1	0	0	13
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0.680746558	0.005277338	0.255606273	979	1	0	0	13
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0.680450226	0.007051922	0.255606273	982	2	0	0	7.5
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0.653655476	0.003331004	0.255606273	1116	3	0	0	14.04761905
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0.627240791	0.003467687	0.255606273	1275	1	0	0	16
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0.626544008	0.006365647	0.255606273	1282	3	0	0	12.57142857
0.626072906	0.008285105	0.255606273	1283	1	0	0	9.571428571

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0.693407671	0.012347332	0.255606273	1300	4	0	0	11.92857143
0.629413615	0.012384756	0.255606273	1306	1	0	0	14.42857143
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0.62133724	0.009897481	0.255606273	1316	4	0	0	13.5
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0.720957597	0.012500303	0.255606273	1324	2	0	0	12
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0.614468695	0.009614123	0.255606273	1350	1	0	0	13.71428571
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0.61210179	0.011981723	0.255606273	1362	3	0	0	11.80952381
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0.823713286	0.015158695	0.255606273	1786	1	0	0	13.42857143
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0.543259209	0.018311171	0.255606273	2357	4	0	0	13.96428571
0.513861578	0.009987773	0.255606273	2362	1	0	0	10
0.751562064	0.018352165	0.255606273	2364	1	0	0	14.71428571
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-0.482259907	0.019522598	0.255606273	2753	4	0	0	12

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15.63333333	6.8	6
12.70833333	6.75	6
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11.83333333	7	6
8.33333333	7	5.5
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13.41666667	7	6
13.45833333	7	6
12.83333333	7	6
16.5	7	6
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14.53333333	7	6
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9.66666667	7	6
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14.375	7	6
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14.72222222	6.66666667	6
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12.16666667	7	6
13	6.66666667	6
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12.16666667	7	5.5
15.16666667	7	6
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14.25	7	6
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12.79166667	6.875	5.875
13.83333333	7	6
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12.25	7	6
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12.22222222	7	6
13.33333333	7	6
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12.5	7	6
13	7	6

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11.91666667	6.5	6
16.5	7	6
13.8	7	5.8
12	7	6
13.05555556	6.66666667	6
11.08333333	6.5	5.5
13	7	6
10	6	6
11.08333333	7	6
9.83333333	7	6
10.16666667	7	6
13.22222222	7	6
11.75	6.75	6