

Supplementary Table 1A: Array CGH data on chromosome 9p using Agilent 244K chip

Probe Name	Chr Name	Start	Stop	Feature num	Name of Gene	Colo824	HCC70	KYSE150	HCC1954
A_16_P02044629	9	153131	153190	171546	CBWD1	0.433731	0.293122	-0.809245	-0.016788587
A_16_P18525471	9	194193	194249	35918	chr9:000194193-000194249	1.832383	1.29332	-0.636128	0.68342555
A_14_P110624	9	204367	204426	25082	C9orf66	1.912753	1.131713	-0.096851	1.1985397
A_16_P02044658	9	210253	210312	59264	AB191037	2.192887	1.468185	-0.473934	1.2737765
A_16_P02044673	9	219198	219257	138335	AB191037	2.270659	1.432514	-0.586174	1.2138739
A_16_P02044678	9	229426	229485	62872	AB191037	2.660892	1.757187	-0.158736	1.3589735
A_16_P18525568	9	235823	235882	41996	AB191037	2.405106	1.502859	-0.288996	1.4074919
A_16_P18525598	9	244654	244712	57857	AB191037	2.709812	1.819752	0.146253	1.9342985
A_16_P18525624	9	256045	256104	225480	AB191037	2.038761	1.339149	-0.681144	1.0595026
A_16_P18525650	9	264517	264576	1341	DOCK8	2.460661	1.672433	-0.328849	1.2034631
A_16_P18525665	9	270255	270314	63067	DOCK8	2.33335	1.567588	-0.382575	1.2408007
A_16_P38622151	9	278161	278220	93205	DOCK8	1.991808	1.201274	-1.001726	0.8813739
A_16_P38622168	9	285346	285405	70710	DOCK8	2.483118	1.709968	-0.194198	1.6406547
A_16_P18525726	9	294586	294644	88811	DOCK8	2.443574	1.733573	-0.427908	1.4522694
A_16_P18525750	9	304969	305028	124529	DOCK8	2.407158	1.705373	-0.279254	1.5096965
A_16_P18525781	9	315713	315772	109125	DOCK8	2.357481	1.59609	-0.255061	1.4646951
A_14_P114068	9	322456	322515	16887	DOCK8	2.790039	1.974855	0.154581	1.9707965
A_16_P18525828	9	330083	330142	42393	DOCK8	1.644288	0.773795	-1.517733	0.3298949
A_16_P02044875	9	346079	346138	210668	DOCK8	2.398873	1.54146	-0.301818	1.3684162
A_16_P18525899	9	351718	351777	23295	DOCK8	1.519393	0.731713	-1.525558	0.43176782
A_16_P02044904	9	360184	360243	59771	DOCK8	1.703955	0.854388	-1.482733	0.38475618
A_16_P38622437	9	371430	371489	94557	DOCK8	1.866426	1.093972	-0.893938	0.7728381
A_16_P02044941	9	380404	380463	72041	DOCK8	1.461016	0.515418	-1.442722	0.052192777
A_16_P02044954	9	386848	386907	129245	DOCK8	2.124766	1.194068	-0.785654	1.054759
A_16_P02044966	9	394997	395056	130789	DOCK8	1.648511	0.985246	-1.234253	0.48362413
A_16_P38622533	9	406292	406351	61791	DOCK8	2.193832	1.333472	-0.547132	0.9532699
A_16_P18526069	9	411985	412044	159810	DOCK8	2.217325	1.500577	-0.456603	1.1872449
A_16_P38622598	9	424742	424797	1109	DOCK8	2.247896	1.505688	-0.45888	1.162071
A_16_P02045040	9	433402	433461	7251	DOCK8	2.072725	1.109401	-0.721235	1.0692648
A_16_P02045053	9	442074	442133	1026	DOCK8	2.172603	1.452059	-0.334503	1.0717281
A_16_P02045064	9	449017	449076	135263	DOCK8	2.607589	1.784229	-0.095227	1.5277491
A_16_P18526190	9	454917	454976	111428	DOCK8	1.635123	0.213865	-1.345501	0.4993542
A_16_P02045085	9	462086	462145	135443	BC037495	1.82124	1.00871	-1.074507	0.6771273
A_16_P02045095	9	468814	468873	174720	BC037495	2.40297	1.567494	-0.361242	1.2750993
A_16_P18526249	9	476071	476130	33782	BC037495	2.226903	1.457103	-0.674627	1.0121493
A_16_P02045118	9	482289	482348	213135	BC037495	1.650553	0.894686	-1.274017	0.48361218
A_16_P18526283	9	490525	490584	107146	BC037495	2.119034	1.313674	-0.620888	1.0635829
A_16_P18526307	9	499521	499580	144276	ANKRD15	1.521577	1.012349	-1.19126	-0.13801548
A_16_P18526327	9	507485	507544	28076	ANKRD15	1.662017	0.613804	-1.386505	0.33514944
A_16_P18526347	9	512936	512995	95843	ANKRD15	2.440338	1.486142	-0.281113	1.2861575
A_16_P02045178	9	522700	522759	157202	ANKRD15	2.315639	1.244091	-0.299842	1.1012683
A_16_P18526388	9	528529	528588	176999	ANKRD15	2.242752	1.425984	-0.614255	1.2566147
A_16_P02045193	9	534450	534509	163750	ANKRD15	1.988868	1.042021	-1.073563	0.5588395
A_16_P18526429	9	546625	546684	223368	ANKRD15	1.176054	0.533465	-1.331749	-0.20045584
A_16_P38622949	9	553286	553345	97182	ANKRD15	1.307063	0.575556	-1.711598	0.040945724
A_16_P38622966	9	559898	559957	219197	ANKRD15	2.083398	1.268023	-0.770343	1.0671463
A_16_P02045246	9	569790	569849	200015	ANKRD15	2.20702	1.556628	-0.763693	1.2207733
A_16_P38623019	9	577359	577418	103320	ANKRD15	2.021944	1.178062	-1.008437	0.7992527
A_16_P18526525	9	584647	584706	149602	ANKRD15	1.86217	1.132067	-1.121749	0.5520787
A_16_P18526541	9	593494	593553	118743	ANKRD15	2.548894	1.682466	-0.1711	1.632769
A_14_P135177	9	601628	601687	219349	ANKRD15	2.162953	1.274526	-0.774813	1.0868937
A_16_P18526583	9	607082	607141	185808	ANKRD15	2.025039	1.202489	-0.81926	1.0156455
A_16_P02045332	9	623115	623174	30517	ANKRD15	2.177187	1.500272	-0.494752	1.2480689
A_16_P18526643	9	629010	629069	139832	ANKRD15	1.819657	0.956722	-1.129403	0.51513577
A_16_P02045366	9	640801	640860	50452	ANKRD15	2.398132	1.739595	-0.309538	1.807214
A_16_P18526698	9	649280	649339	140002	ANKRD15	2.405319	1.652434	-0.42267	1.2548764
A_16_P02045393	9	666870	666929	159944	ANKRD15	2.066442	1.204882	-0.798076	0.9330224
A_16_P38623264	9	675081	675140	240185	ANKRD15	1.652434	0.876826	-1.387969	0.42112708
A_16_P38623282	9	681104	681163	196657	ANKRD15	1.713884	0.914197	-1.255359	0.5609784
A_16_P02045450	9	693634	693693	15550	ANKRD15	2.793801	1.886581	-0.113128	1.6964104
A_16_P02045462	9	700775	700834	168835	ANKRD15	2.154394	1.416473	-0.58922	1.1324744
A_16_P38623377	9	710090	710149	25787	ANKRD15	2.332708	1.487741	-0.621628	1.0311158
A_14_P101255	9	720034	720088	189197	ANKRD15	0.861685	0.761138	0.033955	0.41256773
A_16_P18526908	9	728215	728274	37748	ANKRD15	2.398445	1.605558	-0.256225	1.1380923
A_16_P18526935	9	735863	735922	129260	ANKRD15	1.691349	0.873647	-1.37827	0.35581046
A_16_P02045538	9	743255	743314	196474	chr9:000743255-000743314	1.737379	0.938312	-1.105422	0.57648563
A_14_P134606	9	752947	753006	175187	chr9:000752947-000753006	2.532961	1.304872	-0.318968	1.4144937
A_16_P02045564	9	763442	763494	171544	chr9:000763442-000763494	2.625765	1.789259	-0.015364	1.6555995
A_16_P02045571	9	779786	779845	203887	chr9:000779786-000779845	1.563857	0.706465	-1.27102	0.6285428
A_16_P18527055	9	795606	795665	124133	AK126531	2.512255	1.490889	-0.404441	1.4254967
A_16_P02045598	9	803540	803599	113823	chr9:000803540-000803599	1.994369	1.152417	-0.801061	0.85803103

A_16_P18527096	9	817900	817959	191613	chr9:000817900-000817959	2.132748	1.295599	-0.387918	0.8739963
A_16_P02045620	9	829152	829211	178152	chr9:000829152-000829211	2.210507	1.156824	-0.69317	0.8675761
A_16_P18527164	9	842989	843048	7063	DMRT1	2.021944	1.062067	-0.972299	0.7010138
A_16_P02045655	9	849182	849241	231740	DMRT1	2.30632	1.223418	-0.608456	1.1592883
A_14_P137073	9	855779	855838	82235	DMRT1	2.085394	1.164379	-0.775958	0.88785374
A_16_P18527221	9	867542	867601	122879	DMRT1	1.916979	0.944407	-1.049725	0.670478
A_16_P18527237	9	873877	873936	226680	DMRT1	2.051119	1.168186	-0.756852	0.9383215
A_14_P121763	9	883500	883559	14582	DMRT1	2.102156	1.33571	-0.826687	0.9156258
A_16_P18527290	9	892248	892307	106445	DMRT1	1.849847	1.319746	-0.476672	1.3176574
A_16_P18527317	9	900389	900448	30742	DMRT1	2.418669	1.524604	-0.415301	1.3169545
A_16_P18527347	9	909439	909498	133392	DMRT1	2.085385	1.356154	-0.825259	0.803629
A_16_P18527370	9	918142	918201	214563	DMRT1	1.489535	0.578528	-1.578679	0.34375286
A_16_P18527388	9	925735	925794	198806	DMRT1	2.490099	1.622328	-0.160379	1.379211
A_16_P18527402	9	934286	934345	138882	DMRT1	2.051794	1.246545	-0.775278	0.8764462
A_16_P02045805	9	942275	942334	84697	DMRT1	1.849642	0.82599	-1.592994	0.504806
A_16_P02045814	9	947632	947691	190324	DMRT1	1.855606	1.006356	-1.183731	0.6817341
A_16_P18527459	9	954094	954153	114009	DMRT1	1.838154	1.195	-1.058167	0.95085096
A_16_P02045843	9	958751	958810	196371	DMRT1	2.338996	1.448055	-0.501778	1.2811073
A_16_P02045853	9	963803	963862	126364	chr9:000963803-000963862	2.379174	1.385809	-0.561141	1.2627591
A_14_P115828	9	973204	973263	113730	DMRT3	1.436612	0.575039	-1.639406	0.33679742
A_14_P132576	9	979894	979953	211796	DMRT3	2.056835	1.223925	-0.835741	1.0115407
A_14_P121618	9	980025	980073	176217	DMRT3	1.838859	0.894413	-0.772637	0.6102022
A_16_P18527572	9	986407	986466	110771	chr9:000986407-000986466	2.321616	1.445309	-0.601191	1.1790878
A_16_P02045915	9	991974	992033	138692	BC052949	2.32244	1.414481	-0.683585	1.2833339
A_16_P18527610	9	1000349	1000408	97451	chr9:001000349-001000408	1.998262	1.081183	-1.003983	0.72984886
A_16_P38624185	9	1019484	1019543	40919	chr9:001019484-001019543	2.129571	1.223954	-0.703583	1.0837687
A_16_P18527693	9	1030254	1030313	217497	chr9:001030254-001030313	2.003716	0.995291	-1.107527	0.71636933
A_16_P18527728	9	1039524	1039583	123694	chr9:001039524-001039583	1.782715	0.968847	-1.117027	0.574615
A_14_P113138	9	1046309	1046368	34962	DMRT2	2.530826	1.542722	-0.259376	1.6274761
A_16_P18527775	9	1053728	1053787	83591	chr9:001053728-001053787	2.032392	1.109372	-0.854239	0.78979415
A_16_P18527781	9	1060429	1060488	210479	chr9:001060429-001060488	1.875285	0.827777	-0.945063	0.63211703
A_16_P02046045	9	1069463	1069522	70918	chr9:001069463-001069522	2.73812	1.816851	0.067152	1.7871879
A_16_P38624365	9	1081643	1081702	139991	chr9:001081643-001081702	1.669262	0.996597	-1.089868	0.3863521
A_16_P02046077	9	1091407	1091466	97665	chr9:001091407-001091466	2.207011	1.16654	-0.786987	0.9313778
A_16_P02046094	9	1110594	1110653	187568	chr9:001110594-001110653	1.512863	0.555261	-1.267062	0.2121107
A_16_P18527921	9	1133457	1133516	65268	chr9:001133457-001133516	1.914749	1.007554	-1.024226	2.4454577
A_14_P135575	9	1147109	1147168	55260	chr9:001147109-001147168	2.044109	0.825269	-0.762641	2.6538947
A_16_P18528008	9	1167143	1167202	7404	chr9:001167143-001167202	2.245842	1.388181	-0.501265	2.779884
A_16_P18528049	9	1189217	1189276	134597	chr9:001189217-001189276	1.836056	0.471249	-1.099446	2.1488671
A_16_P18528110	9	1209198	1209257	30519	chr9:001209198-001209257	2.12045	1.261354	-0.585798	2.4239273
A_16_P02046232	9	1222282	1222341	184117	chr9:001222282-001222341	1.975809	1.156028	-1.065209	2.2877371
A_16_P18528149	9	1233178	1233237	82423	chr9:001233178-001233237	1.721758	0.955184	-1.108998	2.1268988
A_16_P18528180	9	1242397	1242456	234077	chr9:001242397-001242456	2.342173	1.571108	-0.504547	2.9292889
A_16_P18528218	9	1255595	1255654	106988	chr9:001255595-001255654	1.994282	1.158121	-0.795958	2.458285
A_16_P18528250	9	1269051	1269110	221146	chr9:001269051-001269110	1.685319	0.796265	-1.376055	2.0969424
A_16_P02046323	9	1278054	1278113	201518	chr9:001278054-001278113	1.499428	0.906655	-1.082895	2.2693822
A_16_P02046336	9	1286477	1286536	173041	chr9:001286477-001286536	2.274193	1.453784	-0.500202	2.8120012
A_16_P18528349	9	1299415	1299474	165944	chr9:001299415-001299474	1.555374	0.802923	-1.420302	2.009272
A_16_P18528372	9	1310587	1310646	216	chr9:001310587-001310646	1.827494	1.064844	-0.66067	2.2989736
A_16_P18528438	9	1330131	1330190	16450	chr9:001330131-001330190	1.872966	1.031956	-1.114191	2.1921983
A_16_P18528467	9	1342782	1342841	162766	chr9:001342782-001342841	1.538399	0.690886	-1.301511	2.0892172
A_14_P112976	9	1352641	1352700	47339	chr9:001352641-001352700	1.876995	1.026224	-0.436747	2.3053217
A_16_P38625023	9	1362972	1363031	25023	chr9:001362972-001363031	2.398131	1.584672	-0.32748	2.9593425
A_16_P38625050	9	1376143	1376202	100063	chr9:001376143-001376202	1.801144	0.965603	-1.067931	1.8284426
A_16_P38625083	9	1395372	1395431	177143	chr9:001395372-001395431	2.159787	1.15528	-0.905797	1.9486495
A_16_P18528607	9	1409154	1409213	121098	chr9:001409154-001409213	2.424862	1.615538	-0.139129	2.5084844
A_16_P18528631	9	1418886	1418945	122039	chr9:001418886-001418945	1.634949	0.843481	-1.136721	1.5325172
A_16_P18528677	9	1434560	1434619	821	chr9:001434560-001434619	2.102349	1.304792	-0.596956	2.1466477
A_16_P18528705	9	1447606	1447665	103255	chr9:001447606-001447665	1.881357	0.984973	-0.925491	1.8789469
A_16_P18528762	9	1467660	1467719	146888	chr9:001467660-001467719	1.588876	0.583214	-1.480844	1.3136395
A_16_P38625294	9	1481277	1481336	143048	chr9:001481277-001481336	2.080339	1.513951	-0.86902	2.317987
A_16_P38625308	9	1495137	1495196	136106	chr9:001495137-001495196	1.953775	1.248245	-0.798948	1.9651815
A_16_P18528815	9	1506308	1506367	191692	chr9:001506308-001506367	2.126666	1.376597	-0.563159	2.185038
A_16_P02046650	9	1517050	1517109	103518	chr9:001517050-001517109	1.956745	1.123819	-0.956871	1.9063109
A_16_P18528878	9	1530440	1530499	62994	chr9:001530440-001530499	2.27965	1.561833	-0.316704	2.3210495
A_16_P38625413	9	1538943	1539002	23251	chr9:001538943-001539002	2.00695	1.251163	-0.850961	1.9357972
A_16_P38625438	9	1555527	1555586	24944	chr9:001555527-001555586	1.635552	0.924129	-1.210404	1.5670447
A_14_P134334	9	1569408	1569467	28633	chr9:001569408-001569467	1.915239	0.974897	-0.662101	1.6026812
A_16_P18528950	9	1582306	1582365	9734	chr9:001582306-001582365	2.197682	1.370524	-0.617245	2.129538
A_16_P02046738	9	1601053	1601112	229719	chr9:001601053-001601112	1.938992	1.105851	-0.707746	1.8708588
A_16_P02046758	9	1615654	1615713	164281	chr9:001615654-001615713	2.404178	1.517476	-0.269567	2.3320148
A_16_P02046762	9	1624646	1624705	134415	chr9:001624646-001624705	2.486704	1.546876	-0.126653	2.7702925
A_16_P18529080	9	1643251	1643310	15243	chr9:001643251-001643310	2.056489	1.077651	-0.811971	1.3313967

A_16_P18529111	9	1655235	1655294	82876	chr9:001655235-001655294	1.467633	0.907725	-1.560457	0.7138634
A_16_P38625641	9	1664663	1664722	66619	chr9:001664663-001664722	2.29969	1.615753	-0.273167	1.8448783
A_16_P18529150	9	1675740	1675799	214526	chr9:001675740-001675799	2.223746	1.371649	-0.571767	1.6154962
A_16_P38625675	9	1690815	1690874	179008	chr9:001690815-001690874	2.259846	1.292361	-0.533497	1.4156133
A_16_P02046850	9	1699690	1699749	1316	chr9:001699690-001699749	2.322915	1.321505	-0.366555	1.494046
A_16_P18529234	9	1714047	1714106	203745	chr9:001714047-001714106	2.071603	1.187009	-0.941398	1.1891078
A_14_P123587	9	1728515	1728574	139996	chr9:001728515-001728574	1.427392	0.877552	-0.622166	0.7938428
A_16_P02046927	9	1748228	1748287	63694	chr9:001748228-001748287	1.911027	1.002535	-0.997423	1.0749614
A_16_P18529344	9	1757584	1757643	49053	chr9:001757584-001757643	2.078853	1.368339	-0.631697	1.3663363
A_16_P18529354	9	1767483	1767542	140634	chr9:001767483-001767542	1.894191	1.071833	-1.180256	0.96404153
A_16_P02046967	9	1783496	1783555	63844	chr9:001783496-001783555	2.509826	1.04657	-0.89461	1.1880811
A_16_P18529409	9	1793603	1793662	52852	chr9:001793603-001793662	2.013605	1.160909	-0.902137	1.3867548
A_16_P02047001	9	1808052	1808111	136519	chr9:001808052-001808111	1.567503	0.531481	-1.368714	0.78320396
A_16_P38625979	9	1817515	1817574	72655	chr9:001817515-001817574	1.803227	1.035674	-0.97408	1.115284
A_16_P18529494	9	1827447	1827506	15077	chr9:001827447-001827506	1.268985	0.42235	-1.464811	0.3216792
A_16_P18529540	9	1846461	1846520	37653	chr9:001846461-001846520	2.394616	1.552309	-0.247315	1.7571144
A_16_P02047067	9	1864080	1864139	92596	chr9:001864080-001864139	2.558792	1.472724	-0.021236	1.8429558
A_16_P38626132	9	1882616	1882675	151858	chr9:001882616-001882675	1.930714	1.104874	-1.236659	1.1834705
A_16_P38626164	9	1897935	1897994	63123	chr9:001897935-001897994	2.053275	1.107867	-0.619674	1.3341873
A_16_P02047150	9	1916175	1916234	119502	chr9:001916175-001916234	1.521327	0.715207	-1.391808	0.8698927
A_16_P38626230	9	1928740	1928799	6951	chr9:001928740-001928799	2.64815	1.840528	-0.039629	2.169964
A_16_P02047186	9	1939505	1939564	227314	chr9:001939505-001939564	1.962838	1.1089	-0.905361	1.4140966
A_16_P18529784	9	1951740	1951799	1612	chr9:001951740-001951799	2.027416	1.23649	-0.764211	1.5724784
A_14_P110528	9	1972355	1972414	179399	chr9:001972355-001972414	1.893947	1.054565	-1.039889	1.3757206
A_16_P18529868	9	1981903	1981962	170222	chr9:001981903-001981962	2.017611	1.136608	-0.643599	1.546504
A_16_P18529893	9	1989111	1989170	194343	chr9:001989111-001989170	1.922704	1.017104	-0.945949	1.4668715
A_16_P18529919	9	1997646	1997705	95088	chr9:001997646-001997705	2.233243	1.2394	-0.294805	1.8596976
A_16_P02047296	9	2003757	2003816	23455	chr9:002003757-002003816	2.437369	1.395147	-0.347134	1.8351197
A_16_P18529970	9	2013418	2013477	136476	SMARCA2	2.371671	1.438118	-0.25581	1.9309131
A_16_P18529991	9	2019231	2019290	221087	SMARCA2	2.16435	1.17565	-0.65829	1.5225781
A_14_P112263	9	2029442	2029500	53132	SMARCA2	2.404835	1.595308	0.162227	2.2416894
A_16_P18530059	9	2039845	2039904	24725	SMARCA2	1.950269	1.18022	-0.829688	1.7297693
A_16_P02047390	9	2048268	2048327	103367	SMARCA2	1.753004	1.057377	-0.937871	1.4836813
A_16_P18530113	9	2055784	2055843	77575	SMARCA2	1.88454	0.895762	-1.078864	1.2589371
A_16_P02047433	9	2066268	2066327	36330	SMARCA2	2.231864	1.349774	-0.353793	1.8965808
A_16_P38626690	9	2071979	2072038	97124	SMARCA2	2.176622	1.334773	-0.491027	1.6264387
A_14_P112573	9	2078528	2078587	129852	SMARCA2	1.686745	0.966755	-1.021524	1.2848796
A_16_P18530210	9	2084861	2084920	235726	SMARCA2	1.60636	0.81951	-1.309109	0.9936948
A_16_P02047485	9	2091580	2091639	183791	SMARCA2	1.952271	1.061319	-0.909839	1.461432
A_16_P38626788	9	2100192	2100251	47836	SMARCA2	2.270988	1.206426	-0.604226	1.419334
A_14_P132731	9	2109502	2109561	127219	SMARCA2	2.198965	1.324771	-0.588634	1.7332675
A_16_P18530315	9	2115256	2115315	80502	SMARCA2	2.271162	1.527762	-0.482052	1.8965919
A_16_P18530333	9	2122147	2122206	193468	SMARCA2	1.924781	1.425331	-0.867588	1.6637868
A_16_P02047568	9	2131771	2131830	64153	SMARCA2	2.205556	1.357004	-0.561793	1.6207335
A_16_P18530379	9	2138129	2138188	4183	SMARCA2	1.935648	0.959818	-0.91557	1.3856262
A_16_P02047602	9	2151856	2151915	81340	SMARCA2	2.804826	1.808758	-0.009427	2.1729298
A_16_P18530437	9	2160457	2160516	194033	SMARCA2	1.506646	1.444097	-0.783141	1.514815
A_16_P38626995	9	2166245	2166304	215624	SMARCA2	1.992485	1.157493	-0.733447	1.3889389
A_16_P18530476	9	2171506	2171565	219285	SMARCA2	1.630054	0.825505	-1.197961	1.0833734
A_14_P123409	9	2182590	2182649	15621	SMARCA2	2.271466	1.41295	-0.52911	1.8422154
A_14_P201162	9	2187800	2187859	91704	chr9:002187800-002187859	2.802156	1.749283	0.151859	2.1490352
A_16_P02047680	9	2198793	2198852	105302	chr9:002198793-002198852	1.974752	0.975886	-0.914981	1.3575635
A_16_P18530552	9	2205180	2205239	139734	chr9:002205180-002205239	1.68155	0.802414	-1.33405	1.0133286
A_16_P38627129	9	2220300	2220359	165175	chr9:002220300-002220359	2.657778	1.685127	0.034608	2.3641815
A_16_P02047729	9	2239164	2239223	227472	chr9:002239164-002239223	2.527241	1.549444	-0.115129	2.1455855
A_16_P02047762	9	2257812	2257871	65963	chr9:002257812-002257871	1.953701	1.174141	-0.752308	1.6103258
A_16_P18530744	9	2284322	2284381	49907	chr9:002284322-002284381	2.605912	1.551629	-0.212223	2.0391936
A_16_P38627319	9	2293563	2293622	50993	chr9:002293563-002293622	2.468941	1.530552	-0.217294	2.1202621
A_16_P18530806	9	2314333	2314392	101538	chr9:002314333-002314392	2.182014	1.320642	-0.631725	1.6464291
A_16_P18530834	9	2325671	2325730	77005	chr9:002325671-002325730	2.458131	1.518961	-0.341986	1.8762234
A_16_P38627404	9	2335993	2336052	345	chr9:002335993-002336052	2.308055	1.481059	-0.373027	1.8837895
A_16_P18530869	9	2344226	2344285	160817	chr9:002344226-002344285	2.0062	1.000146	-0.796968	1.3914906
A_16_P18530917	9	2370959	2371018	25348	chr9:002370959-002371018	2.32885	1.424655	-0.466411	1.9162544
A_16_P38627498	9	2380613	2380672	47407	chr9:002380613-002380672	2.209643	1.252301	-0.533842	1.5303725
A_16_P18530967	9	2397981	2398040	153692	chr9:002397981-002398040	1.485159	0.331586	-1.323947	0.8513699
A_14_P105740	9	2408075	2408134	175922	chr9:002408075-002408134	1.321697	0.569334	-1.314567	0.76783293
A_16_P18531028	9	2420897	2420956	7090	AK092343	2.309049	1.440305	-0.293633	2.019041
A_16_P18531042	9	2443370	2443429	126060	AK092343	2.572853	1.571479	-0.170287	2.0619197
A_16_P18531071	9	2454034	2454093	46048	AK092343	2.176313	1.21793	-0.420364	1.784546
A_16_P38627653	9	2467624	2467683	7079	AK092343	2.678718	1.50645	-0.070524	2.0299265
A_16_P18531123	9	2476482	2476541	162739	AK092343	2.166867	1.142078	-0.402377	1.9905888
A_16_P18531160	9	2490971	2491030	16793	AK092343	2.147202	1.201853	-0.537941	1.749882
A_16_P18531193	9	2518286	2518345	122070	AK092343	2.530917	1.685779	-0.114189	2.1914434

A_14_P109730	9	2525632	2525691	68049	AK092343	2.525021	1.65656	-0.026779	2.1521254
A_16_P18531250	9	2537615	2537674	19437	AK092343	2.20028	1.251114	-1.03272	1.3430389
A_16_P18531273	9	2555507	2555566	151572	AK092343	2.225069	1.316639	-0.543207	1.7471741
A_16_P18531321	9	2572022	2572081	207765	AK092343	2.036275	1.105849	-0.824532	1.6567154
A_16_P18531328	9	2580562	2580621	231373	AK092343	1.9184	1.108403	-0.942788	1.6495545
A_16_P18531358	9	2592123	2592182	161744	AK092343	2.233099	1.35734	-0.445549	1.9235747
A_16_P02048181	9	2603443	2603502	69975	AK092343	2.495911	1.585351	-0.105637	2.0653174
A_16_P02048192	9	2610066	2610125	143514	AK092343	2.537001	1.556619	0.00108	2.1861286
A_14_P130747	9	2615492	2615551	85787	VLDLR	1.980221	1.214282	-0.664993	1.523045
A_14_P109602	9	2619346	2619405	201430	VLDLR	1.888828	0.988221	-0.538013	1.372693
A_16_P02048228	9	2629829	2629888	37721	VLDLR	2.452188	1.66622	-0.349028	2.1180434
A_16_P18531488	9	2634972	2635031	202773	VLDLR	2.477701	1.371789	-0.211773	1.8202176
A_16_P18531505	9	2640507	2640566	117606	VLDLR	1.891369	0.938317	-0.988983	1.5930656
A_16_P18531547	9	2651697	2651756	163628	chr9:002651697-002651756	2.66102	1.776247	0.10603	2.4657269
A_16_P02048294	9	2660643	2660702	187584	chr9:002660643-002660702	2.141571	1.341482	-0.323291	1.9415891
A_16_P18531598	9	2674213	2674272	22608	chr9:002674213-002674272	1.960506	1.066141	-0.912157	1.6602507
A_16_P38628192	9	2681813	2681872	205889	chr9:002681813-002681872	1.741526	0.791998	-1.144373	1.3623127
A_16_P38628336	9	2689712	2689771	145957	chr9:002689712-002689771	0.724045	-0.106488	-2.274206	0.44582474
A_16_P38628230	9	2697050	2697109	109304	chr9:002697050-002697109	1.364941	0.597924	-1.411865	1.0535381
A_16_P02048352	9	2701186	2701245	118637	chr9:002701186-002701245	1.983061	1.03213	-0.741769	1.608796
A_14_P108753	9	2709261	2709320	191051	KCNV2	1.991214	1.187855	-0.695099	1.7031058
A_16_P02048375	9	2714158	2714217	237572	KCNV2	2.051795	1.018468	-0.929538	1.8018204
A_16_P02048387	9	2719722	2719781	211273	KCNV2	1.87597	1.16851	-0.708146	1.5871813
A_16_P02048387	9	2719722	2719781	199529	KCNV2	1.880849	0.959155	-0.707143	1.6436708
A_16_P02048387	9	2719722	2719781	184613	KCNV2	1.793347	1.112822	-0.608195	1.6224289
A_16_P02048402	9	2727466	2727525	191246	chr9:002727466-002727525	2.617413	1.488966	-0.409316	2.0699918
A_16_P38628336	9	2733114	2733173	18334	chr9:002733114-002733173	1.777413	0.947225	-0.952053	1.4429587
A_16_P02048413	9	2739420	2739479	23605	chr9:002739420-002739479	2.721409	1.839978	0.064412	2.6563158
A_16_P38628357	9	2749076	2749135	163072	chr9:002749076-002749135	2.349838	1.391109	-0.380882	2.0930786
A_16_P18531796	9	2756723	2756782	133200	chr9:002756723-002756782	1.893457	1.04862	-0.766561	1.5038518
A_16_P18531838	9	2780359	2780418	240594	chr9:002780359-002780418	1.769758	0.935414	-0.957833	1.4745276
A_16_P18531874	9	2794077	2794136	203734	chr9:002794077-002794136	1.862058	0.828937	-1.138022	1.4028349
A_16_P18531900	9	2802153	2802212	75511	KIAA0020	2.595655	1.555435	-0.250828	2.3361435
A_16_P18531917	9	2807915	2807974	10121	KIAA0020	1.454977	0.566189	-0.026323	2.4062037
A_16_P38628523	9	2816755	2816814	56672	KIAA0020	1.875846	0.976866	-0.960462	1.5353364
A_14_P121559	9	2822701	2822760	77714	KIAA0020	2.228129	1.249023	-0.582013	2.1549532
A_16_P02048546	9	2833078	2833137	194245	KIAA0020	1.536613	0.734911	-1.487758	1.1884272
A_16_P18532005	9	2838513	2838572	150975	chr9:002838513-002838572	1.507116	0.581513	-1.562733	1.0263478
A_16_P02048558	9	2844940	2844999	10995	chr9:002844940-002844999	2.244432	1.427144	-0.460432	1.7388793
A_16_P18532031	9	2854423	2854482	120475	chr9:002854423-002854482	2.498455	1.413657	-0.25032	2.2132475
A_16_P02048600	9	2870481	2870540	16795	chr9:002870481-002870540	2.236924	1.626637	-0.306841	1.8929033
A_16_P18532103	9	2891047	2891106	81594	chr9:002891047-002891106	2.141421	1.105682	-1.028389	1.6726482
A_14_P121347	9	2906200	2906259	219469	chr9:002906200-002906259	2.109195	1.421415	-0.722055	2.0179214
A_16_P02048657	9	2914912	2914971	152271	chr9:002914912-002914971	2.5333	1.666248	-0.181835	2.3859832
A_16_P18532226	9	2938656	2938715	10394	chr9:002938656-002938715	1.521035	0.754366	-1.277033	1.1344209
A_16_P18532268	9	2952674	2952733	171139	chr9:002952674-002952733	1.985729	1.075916	-0.840688	1.6440803
A_16_P02048739	9	2974222	2974281	87107	chr9:002974222-002974281	2.641569	1.681295	-0.216517	2.3327563
A_16_P18532331	9	2982927	2982986	205145	chr9:002982927-002982986	2.624183	1.705344	-0.06441	2.394533
A_16_P02048773	9	2993931	2993990	77680	chr9:002993931-002993990	2.292097	1.327228	-0.442523	2.0442266
A_16_P38629002	9	3012488	3012547	130886	chr9:003012488-003012547	2.137139	1.32447	-0.72321	2.029736
A_16_P18532449	9	3026276	3026335	131434	chr9:003026276-003026335	2.222791	1.465832	-0.31582	2.112019
A_16_P38629062	9	3037754	3037813	215863	chr9:003037754-003037813	1.954382	1.085706	-0.806528	1.779827
A_16_P02048856	9	3053146	3053205	202230	chr9:003053146-003053205	2.175709	1.508538	-0.468804	2.003055
A_16_P02048882	9	3070493	3070552	152826	chr9:003070493-003070552	2.061907	1.142092	-0.599727	1.8806238
A_16_P18532584	9	3088538	3088597	123561	chr9:003088538-003088597	1.510292	0.719041	-1.576286	1.0694754
A_16_P18532599	9	3104401	3104460	89228	chr9:003104401-003104460	1.791763	1.024476	-0.957283	1.6760747
A_16_P18532627	9	3116706	3116765	190421	chr9:003116706-003116765	2.075895	1.192651	-0.721415	1.7206037
A_16_P38629259	9	3130251	3130310	150552	chr9:003130251-003130310	2.07457	1.337231	-0.396489	1.9614896
A_16_P18532679	9	3143359	3143418	134651	chr9:003143359-003143418	1.907224	0.873991	-0.866165	1.6261553
A_16_P38629283	9	3152579	3152638	78753	chr9:003152579-003152638	1.744328	0.876721	-1.071203	1.5364742
A_16_P18532711	9	3161960	3162019	205875	chr9:003161960-003162019	1.935198	1.025234	-0.810138	1.7253355
A_16_P02049001	9	3170451	3170510	197278	chr9:003170451-003170510	2.888605	1.97286	0.212895	2.8592203
A_14_P138223	9	3187162	3187221	146787	BC041456	1.907901	0.951953	-0.81834	1.9113245
A_16_P38629404	9	3196884	3196943	32786	chr9:003196884-003196943	1.89161	1.048012	-0.869238	2.1053724
A_16_P18532850	9	3211616	3211675	176060	AK127804	2.359471	1.526177	-0.120563	2.261608
A_16_P18532876	9	3218384	3218443	213127	RFX3	1.774342	1.116971	-0.687587	1.8242134
A_16_P02049107	9	3231237	3231296	60801	RFX3	2.11456	1.334153	-0.645327	2.24881
A_14_P129070	9	3237110	3237169	65920	RFX3	2.185149	1.24252	-0.45713	2.4094765
A_16_P18532961	9	3245215	3245274	94392	RFX3	1.9626	1.206722	-0.641707	2.1092296
A_16_P38629574	9	3252862	3252921	1811	RFX3	2.296347	1.16583	-0.501374	2.6160078
A_16_P18533008	9	3260737	3260796	172071	RFX3	1.676585	0.718384	-1.083253	1.8246946
A_16_P38629630	9	3267306	3267365	229857	RFX3	2.297083	1.531099	-0.094397	2.5291762
A_16_P02049209	9	3278211	3278270	137361	RFX3	2.264107	1.237782	-0.451153	2.3418674

A_16_P38629691	9	3283494	3283553	224686	RFX3	1.836432	1.0936	-0.970033	1.883496
A_16_P18533110	9	3289339	3289398	106809	RFX3	1.960838	1.036137	-0.89055	2.024413
A_16_P18533141	9	3298176	3298235	100466	RFX3	2.198861	1.281353	-0.659118	2.4690683
A_16_P38629769	9	3313022	3313081	212096	RFX3	1.815349	1.053166	-1.02624	2.0299397
A_16_P38629795	9	3320071	3320130	60509	RFX3	1.745224	0.975411	-1.066108	1.8302101
A_16_P02049296	9	3327199	3327258	154664	RFX3	2.248941	1.397386	-0.443111	2.459954
A_14_P112297	9	3336643	3336702	59641	RFX3	1.460336	0.66649	-1.46433	1.4489307
A_16_P18533255	9	3348548	3348607	11113	RFX3	1.764129	0.873958	-0.960632	1.7085679
A_16_P38629893	9	3357701	3357760	36424	RFX3	2.037342	1.172996	-0.522692	2.184064
A_16_P18533303	9	3363304	3363363	184427	RFX3	1.403572	0.630128	-0.684456	1.4665352
A_16_P18533315	9	3370357	3370416	187103	RFX3	2.1231	1.321527	-1.339496	2.4247663
A_14_P101607	9	3385562	3385616	122327	RFX3	1.807177	1.121985	-0.750094	1.9195685
A_16_P18533399	9	3397881	3397940	98852	RFX3	1.735251	0.921399	-1.231678	1.8849747
A_16_P18533427	9	3405897	3405956	104802	RFX3	2.328234	1.513172	-0.112889	2.6528785
A_16_P18533447	9	3413022	3413081	86061	RFX3	1.878522	1.057144	-0.912345	2.0922558
A_16_P02049444	9	3419941	3420000	146482	RFX3	1.85168	0.980774	-0.888795	2.0476213
A_16_P18533476	9	3427016	3427075	194372	RFX3	1.881985	1.184051	-1.064191	1.9400355
A_16_P18533481	9	3435106	3435165	190364	RFX3	1.869592	1.149941	-0.796596	1.9846541
A_16_P18533510	9	3444648	3444707	72838	RFX3	2.057857	1.242153	-0.585778	2.3442373
A_16_P38630134	9	3450329	3450388	194389	RFX3	1.822963	1.142614	-0.666205	2.1411748
A_16_P18533556	9	3462726	3462785	28643	RFX3	2.119773	1.321266	-0.537636	2.16436
A_14_P122241	9	3470606	3470665	140522	RFX3	1.352827	0.417085	-1.339496	1.4863414
A_16_P38630205	9	3477532	3477591	126899	RFX3	2.092516	1.232875	-0.473862	2.2543855
A_16_P18533630	9	3487920	3487979	164164	RFX3	2.155813	1.332301	-0.596125	2.3371341
A_16_P38630286	9	3502870	3502929	13809	RFX3	1.902423	1.101293	-0.909965	2.059187
A_14_P128525	9	3509377	3509436	96631	RFX3	1.99855	1.135446	-1.072053	1.903863
A_16_P18533736	9	3519295	3519354	139783	chr9:003519295-003519354	1.922523	0.961204	-1.231041	1.7679619
A_16_P18533765	9	3535395	3535454	13089	chr9:003535395-003535454	1.85338	1.11262	-0.917884	1.7996812
A_16_P18533794	9	3546485	3546541	29338	chr9:003546485-003546541	2.382772	1.490099	-0.448267	2.1828756
A_16_P02049664	9	3559883	3559942	150784	chr9:003559883-003559942	2.313798	1.583746	-0.237943	2.3501074
A_16_P38630443	9	3579641	3579700	220660	chr9:003579641-003579700	1.772088	1.053018	-0.76061	1.7648302
A_16_P18533872	9	3592155	3592214	154418	chr9:003592155-003592214	2.02628	1.201664	-0.814599	2.0455256
A_16_P38630485	9	3603973	3604032	103989	chr9:003603973-003604032	2.026658	1.440968	-0.478563	2.2135212
A_16_P18533906	9	3626356	3626415	197147	chr9:003626356-003626415	2.003151	1.266976	-0.480196	2.11266
A_16_P18533922	9	3635877	3635936	232944	chr9:003635877-003635936	1.881984	1.138892	-0.786323	1.9323949
A_16_P18533955	9	3652377	3652436	114381	chr9:003652377-003652436	2.63956	1.879272	0.036254	2.8743396
A_16_P02049760	9	3660989	3661048	131098	chr9:003660989-003661048	1.923597	1.126461	-0.87195	1.9088199
A_16_P18534001	9	3670060	3670119	23755	AK126819	2.515557	1.607959	0.068242	2.7444453
A_16_P38630643	9	3686696	3686755	73100	chr9:003686696-003686755	2.115644	1.447412	-0.455512	2.4426894
A_16_P02049821	9	3696059	3696115	11164	chr9:003696059-003696115	2.110623	1.459964	-0.461868	2.3748808
A_16_P18534075	9	3709596	3709655	54939	AK128171	2.117281	1.542159	-0.276378	2.4419692
A_14_P110000	9	3718444	3718503	12465	chr9:003718444-003718503	1.960208	1.129033	-0.798615	2.0122538
A_16_P38630724	9	3728438	3728497	9207	BC047388	1.92638	1.245125	-0.773894	2.192865
A_16_P02049868	9	3736640	3736699	160074	BC047388	2.393596	1.709624	-0.235876	2.5523915
A_16_P18534179	9	3744972	3745031	95761	BC047388	2.122929	1.453986	-0.375807	2.4485996
A_16_P02049906	9	3761025	3761084	133057	BC047388	2.512695	1.652712	0.085264	2.8776755
A_16_P18534261	9	3773949	3774008	230172	BC047388	2.371685	1.953037	-0.129789	2.750555
A_16_P02049939	9	3783317	3783376	200936	BC047388	2.324873	1.533871	-0.279436	2.631633
A_16_P18534301	9	3795626	3795685	230705	chr9:003795626-003795685	2.113337	1.281118	-0.515464	2.2520177
A_16_P02049969	9	3809269	3809328	238976	chr9:003809269-003809328	2.611738	1.775366	0.276391	2.940181
A_14_P109891	9	3817677	3817736	231742	GLIS3	2.290077	1.495106	-0.30314	2.6382647
A_16_P18534390	9	3829918	3829977	181824	GLIS3	2.179345	1.491633	-0.515414	2.3941324
A_16_P02050032	9	3841630	3841689	39822	GLIS3	2.873961	1.998574	0.258807	3.1423042
A_16_P02050032	9	3841630	3841689	86346	GLIS3	2.774449	2.042345	0.261984	3.111177
A_16_P02050032	9	3841630	3841689	13545	GLIS3	2.860442	2.057713	0.307236	3.160581
A_16_P18534453	9	3848757	3848816	142983	GLIS3	1.643383	0.616015	-1.098183	1.7576901
A_16_P38631085	9	3858065	3858124	185100	GLIS3	2.196812	1.490188	-0.400635	2.519627
A_16_P38631098	9	3865881	3865940	53235	GLIS3	1.619193	0.853636	-1.010877	1.9890748
A_16_P18534517	9	3873457	3873516	24947	GLIS3	1.999926	1.249346	-0.625561	2.229026
A_14_P138328	9	3888848	3888894	223556	GLIS3	2.100025	1.346067	-0.534108	2.1285923
A_16_P02050132	9	3895362	3895421	63710	GLIS3	2.376821	1.626253	-0.312048	2.6045122
A_16_P02050154	9	3906244	3906303	180984	GLIS3	2.443859	1.622318	-0.093959	2.707304
A_14_P104307	9	3922332	3922391	110022	GLIS3	1.723985	0.962645	-0.882515	1.8707268
A_16_P18534705	9	3931954	3932013	235403	GLIS3	1.697741	0.901271	-0.69663	2.2738056
A_16_P38631329	9	3939218	3939277	87136	GLIS3	1.816885	0.98263	-0.862683	1.8849373
A_16_P18534755	9	3945653	3945712	127211	GLIS3	1.733537	0.938836	-0.96034	1.8994201
A_16_P18534787	9	3955490	3955549	8547	GLIS3	1.889715	0.520982	-0.054644	2.558685
A_16_P18534810	9	3962272	3962331	22456	GLIS3	2.311015	1.51029	-0.24292	2.5938418
A_16_P18534837	9	3969350	3969409	54843	GLIS3	2.519858	1.877018	0.03585	2.7773936
A_16_P18534851	9	3975467	3975526	25122	GLIS3	1.616939	0.790355	-0.909182	1.6508995
A_16_P18534860	9	3981024	3981083	186034	GLIS3	2.096306	1.253055	-0.622179	2.2968166
A_16_P38631463	9	3991260	3991319	118197	GLIS3	1.951172	0.991282	-0.703848	2.0088093
A_14_P122098	9	4002525	4002584	50229	GLIS3	1.957154	1.33109	-0.60337	2.2281675

A_16_P18534930	9	4008023	4008082	159737	GLIS3	2.431432	1.691343	0.125305	2.8672059
A_16_P02050336	9	4013519	4013578	22829	GLIS3	2.521219	1.743535	-0.171454	2.7834322
A_16_P38631549	9	4019105	4019164	143344	GLIS3	1.917884	1.060189	-0.903102	2.1426744
A_16_P02050360	9	4026702	4026761	124637	GLIS3	2.322763	1.598986	-0.046403	3.5021396
A_16_P02050377	9	4035101	4035160	122104	GLIS3	2.518563	1.759177	-0.120497	2.6838467
A_16_P18535025	9	4041471	4041530	680	GLIS3	2.041092	1.210189	-0.580445	2.2652583
A_16_P38631639	9	4050233	4050292	238377	GLIS3	2.237448	1.489961	-0.265186	2.5895996
A_16_P18535068	9	4055626	4055685	180908	GLIS3	1.977491	1.097909	-0.688881	2.1805625
A_16_P18535095	9	4063029	4063088	228465	GLIS3	1.968352	1.219635	-0.517696	2.100857
A_16_P02050438	9	4068415	4068474	83964	GLIS3	2.179694	1.341488	-0.33993	2.3196518
A_16_P02050458	9	4077879	4077938	195027	GLIS3	1.810072	1.092776	-0.539967	2.1832252
A_16_P18535181	9	4091853	4091912	83010	GLIS3	2.260671	1.549882	-0.07102	2.6623862
A_16_P38631816	9	4106616	4106675	194471	GLIS3	2.102358	1.216866	-0.671717	1.9423764
A_16_P18535247	9	4111837	4111896	242207	GLIS3	1.963118	1.002997	-0.727329	1.988367
A_16_P18535270	9	4118618	4118677	120942	GLIS3	2.16868	1.384802	-0.321353	2.5352275
A_16_P18535281	9	4125075	4125134	153422	GLIS3	1.715669	1.292014	-0.758634	2.060145
A_16_P18535318	9	4135968	4136027	132305	GLIS3	1.580172	0.550936	-1.222871	1.5853729
A_14_P100760	9	4142060	4142119	10502	GLIS3	2.276806	1.404812	-0.280214	2.5198188
A_14_P200901	9	4146589	4146648	95156	GLIS3	1.973492	1.208286	-0.438359	2.361483
A_16_P18535375	9	4154149	4154208	128348	GLIS3	2.266167	1.465451	-0.307745	2.4867623
A_16_P18535407	9	4163348	4163407	212354	GLIS3	1.628872	0.962986	-0.90361	1.982641
A_16_P18535447	9	4181507	4181566	214832	GLIS3	2.058409	1.362789	-0.316861	2.307025
A_16_P18535471	9	4200276	4200335	213486	GLIS3	2.341767	1.62259	-0.182088	2.5941722
A_16_P38632105	9	4215484	4215543	166027	GLIS3	1.969642	1.340306	-0.657558	2.1455512
A_16_P18535573	9	4235080	4235139	130077	GLIS3	2.339767	1.510422	-0.089878	2.5736654
A_16_P18535592	9	4249876	4249935	161821	GLIS3	2.550052	1.835339	-0.0697	2.784358
A_16_P38632228	9	4267561	4267620	28427	GLIS3	2.322666	1.599884	-0.184813	2.6571462
A_16_P02050800	9	4286652	4286711	153046	GLIS3	2.6344	1.740554	0.114039	2.8922753
A_16_P18535742	9	4299732	4299791	140093	DQ438885	1.696659	1.067584	-0.936318	1.9047613
A_16_P02050859	9	4319063	4319122	164970	DQ438885	1.89697	1.177882	-0.897752	1.8772993
A_16_P02050879	9	4329054	4329113	192465	DQ438885	2.485214	1.740114	0.203705	2.9593556
A_16_P38632424	9	4339422	4339481	237835	chr9:004339422-004339481	1.8044	1.082007	-0.705844	1.95585
A_16_P38632468	9	4352484	4352543	170508	chr9:004352484-004352543	2.601064	1.781278	0.427131	3.047596
A_16_P18535909	9	4364001	4364060	69764	chr9:004364001-004364060	2.396818	1.779505	0.115489	2.7917492
A_16_P02050954	9	4372484	4372543	138664	chr9:004372484-004372543	2.655594	1.930598	0.380632	3.0226078
A_16_P38632552	9	4383875	4383934	157415	chr9:004383875-004383934	2.374564	1.284576	-0.232336	2.5830562
A_16_P18536009	9	4409992	4410051	30532	chr9:004409992-004410051	2.375497	1.57323	-0.089192	2.7639797
A_16_P02051011	9	4418574	4418633	118868	chr9:004418574-004418633	2.260559	1.159493	-0.10684	2.1889825
A_14_P113556	9	4434820	4434879	186166	chr9:004434820-004434879	1.66794	0.971999	-1.059804	1.8447517
A_16_P18536083	9	4444773	4444832	223664	chr9:004444773-004444832	2.339662	1.665056	0.001525	2.8133118
A_16_P02051051	9	4455914	4455973	116044	chr9:004455914-004455973	1.997081	1.252218	-0.636928	2.1950893
A_16_P38632703	9	4466124	4466183	154888	chr9:004466124-004466183	1.438862	0.700377	-1.257858	1.4183522
A_16_P18536121	9	4473336	4473395	214362	chr9:004473336-004473395	2.589556	1.839049	0.045062	2.817868
A_16_P38632726	9	4479545	4479604	221555	chr9:004479545-004479604	2.116242	1.212739	-0.465688	2.255188
A_14_P102455	9	4488207	4488266	147353	SLC1A1	1.792678	0.867641	-1.182661	1.6613815
A_16_P38632774	9	4493809	4493868	110353	SLC1A1	2.192335	1.167872	-0.524466	2.2959077
A_16_P02051109	9	4501092	4501151	152958	SLC1A1	2.13308	1.362045	-0.364772	2.2815592
A_16_P02051115	9	4506438	4506497	52755	SLC1A1	2.286635	1.523071	-0.068199	2.645468
A_14_P131198	9	4518230	4518289	129439	SLC1A1	2.072467	1.470089	-0.306907	2.36556
A_16_P18536267	9	4533057	4533116	186371	SLC1A1	1.526196	0.849972	-1.432714	1.4982998
A_16_P18536286	9	4538911	4538970	30127	SLC1A1	1.268985	0.668997	-1.295554	1.4473116
A_16_P38632904	9	4545292	4545351	56408	SLC1A1	2.048632	1.271375	-0.512497	2.2995646
A_16_P18536338	9	4556002	4556061	19351	SLC1A1	1.917809	1.281606	-0.625661	2.1607645
A_14_P117164	9	4565987	4566046	218121	SLC1A1	2.211285	1.526726	-0.13289	2.6176388
A_14_P105964	9	4577083	4577142	68151	SLC1A1	2.322287	1.3582	-0.736275	2.4246976
A_16_P02051250	9	4585482	4585541	126471	AK000920	2.60853	1.810925	0.120712	2.955775
A_16_P02051260	9	4590692	4590751	21424	C9orf68	2.165954	1.527313	-0.262331	2.4816408
A_16_P02051282	9	4608034	4608093	9035	C9orf68	2.302249	1.528943	-0.328535	2.3555436
A_14_P121350	9	4617565	4617624	241163	C9orf68	1.860952	0.854739	-0.886996	1.8657144
A_16_P38633135	9	4624174	4624233	86263	C9orf68	1.823	0.812229	-0.983003	2.191885
A_16_P38633160	9	4630916	4630975	34172	C9orf68	1.481902	0.823039	-1.271298	1.6315356
A_16_P18536566	9	4639634	4639693	168157	C9orf68	2.680577	1.83374	0.293429	3.0030775
A_16_P18536570	9	4645469	4645528	158707	C9orf68	2.040734	1.015337	-0.170342	2.4997518
A_16_P02051342	9	4651872	4651931	216780	C9orf68	1.907186	1.153997	-0.450376	2.1505961
A_16_P18536612	9	4661030	4661089	223357	chr9:004661030-004661089	2.091503	1.350996	-0.351599	2.3770602
A_16_P18536618	9	4665456	4665515	53453	chr9:004665456-004665515	2.515513	1.801141	0.109612	2.942799
A_16_P18536631	9	4671887	4671946	30682	CDC37L1	2.092671	1.229057	-0.575695	2.0602622
A_16_P02051386	9	4678542	4678601	222497	CDC37L1	1.708159	0.917293	-0.878092	1.8081881
A_14_P132707	9	4687068	4687127	84575	CDC37L1	1.578775	0.916387	-1.211203	1.4145486
A_16_P18536687	9	4691926	4691985	242506	CDC37L1	1.703179	1.164312	-0.709635	1.8290093
A_16_P38633333	9	4696392	4696451	112917	CDC37L1	1.928735	1.166459	-0.643404	1.9475052
A_16_P18536720	9	4701116	4701175	32733	BX640794	2.360165	1.218676	-0.275324	2.0742393
A_16_P18536741	9	4708651	4708710	139522	AK3	1.708645	0.865082	-1.169854	1.466967

A_14_P115092	9	4714235	4714294	205664	AK3	1.886523	1.066747	-0.743862	1.8134197
A_16_P38633402	9	4724592	4724651	95987	AK3	1.763748	1.086782	-0.885629	1.8299314
A_14_P107187	9	4730392	4730451	167648	AK3	2.05733	1.356224	-0.579449	2.1354113
A_16_P18536792	9	4734770	4734829	7502	chr9:004734770-004734829	1.704669	1.007764	-0.772736	1.6623733
A_16_P02051471	9	4752225	4752284	183287	chr9:004752225-004752284	2.12731	1.436432	-0.269132	1.9414232
A_16_P02051477	9	4758744	4758803	5093	chr9:004758744-004758803	2.640272	1.746827	0.271846	2.7366228
A_16_P18536844	9	4771753	4771803	218717	chr9:004771753-004771803	2.376343	1.755304	0.338162	2.509152
A_14_P125252	9	4784084	4784143	186230	RCL1	2.009817	1.219421	-0.60285	1.9654987
A_16_P02051509	9	4798791	4798850	236738	RCL1	1.97665	1.369573	-0.794141	1.4322873
A_16_P18536889	9	4806748	4806807	161496	RCL1	1.611672	0.95894	-1.027034	1.6625897
A_16_P02051522	9	4812144	4812203	13185	RCL1	2.394752	1.626329	-0.180334	2.5334065
A_16_P18536918	9	4815650	4815709	15637	RCL1	1.847546	1.112231	-0.697079	1.9285729
A_16_P02051540	9	4819748	4819807	11708	RCL1	2.065636	1.365863	-0.366021	2.148679
A_16_P02051547	9	4823192	4823251	108246	RCL1	1.573263	0.892846	-1.147221	1.4651203
A_16_P18536955	9	4827123	4827182	179139	RCL1	2.510048	1.684531	-0.131768	2.4526982
A_16_P02051568	9	4831297	4831356	19342	RCL1	1.769388	0.996865	-0.648016	1.8391964
A_16_P02051579	9	4835518	4835577	150254	RCL1	2.471638	1.697803	0.10445	2.6130803
A_16_P18537000	9	4839536	4839595	80398	RCL1	2.171992	1.384091	-0.437339	2.2552228
A_16_P18537015	9	4843002	4843061	127286	RCL1	2.149169	1.136854	-0.525002	1.7672272
A_16_P02051603	9	4846324	4846383	179881	RCL1	2.503673	1.508965	0.075598	2.4230459
A_14_P123360	9	4850997	4851056	131089	RCL1	1.702295	1.116368	-1.14236	1.4904643
A_14_P201754	9	4851027	4851086	74091	RCL1	1.844363	1.065238	-0.86285	1.4067148
A_16_P02051623	9	4857864	4857923	202494	AK021739	2.65147	1.828033	0.008738	2.671652
A_16_P02051629	9	4861146	4861205	46633	AK021739	2.28854	1.521794	-0.184766	2.3044934
A_16_P02051637	9	4866171	4866230	201887	AK021739	1.886826	1.275642	-0.685212	1.8807391
A_16_P38633764	9	4878799	4878858	193687	chr9:004878799-004878858	2.329345	1.525927	-0.13013	2.3691516
A_16_P02051662	9	4885956	4886015	224434	chr9:004885956-004886015	1.973881	1.298534	-0.621579	1.8491777
A_16_P18537134	9	4894693	4894752	132986	chr9:004894693-004894752	1.875802	1.27735	-0.664192	2.0042129
A_16_P18537156	9	4903169	4903228	105428	chr9:004903169-004903228	1.792989	1.082948	-0.591671	1.6874777
A_16_P18537167	9	4918438	4918497	1616	chr9:004918438-004918497	1.814639	1.159895	-0.69615	1.7186768
A_16_P38633846	9	4929057	4929116	95238	chr9:004929057-004929116	2.165019	1.389512	-0.532852	2.241966
A_16_P38633870	9	4936528	4936587	212600	chr9:004936528-004936587	1.966075	1.365085	-0.58377	2.0439484
A_16_P18537225	9	4947148	4947207	240584	chr9:004947148-004947207	1.985541	1.291264	-0.365024	1.9875604
A_16_P18537244	9	4960093	4960152	141059	chr9:004960093-004960152	2.343931	1.571253	-0.219338	2.3683474
A_16_P18537260	9	4969564	4969623	236506	chr9:004969564-004969623	1.676895	1.109109	-0.860424	1.8667288
A_16_P18537279	9	4975852	4975911	197821	JAK2	2.326775	1.529087	-0.364178	2.4371483
A_16_P18537311	9	4989198	4989257	171414	JAK2	1.643487	0.876447	-0.986596	1.6234148
A_16_P38633969	9	4999291	4999350	166288	JAK2	2.501769	1.762857	0.191123	2.6885116
A_16_P38633985	9	5005830	5005889	137005	JAK2	2.071871	1.367333	-0.403713	2.259201
A_14_P105543	9	5012053	5012112	28332	JAK2	1.876678	1.170756	-0.750583	1.9863454
A_16_P02051790	9	5019766	5019825	171690	JAK2	1.657752	0.957188	-1.125482	1.5569103
A_16_P18537365	9	5027866	5027925	5842	JAK2	1.679004	0.861129	-1.178043	1.5029224
A_16_P18537384	9	5037501	5037560	187779	JAK2	1.967461	1.274955	-0.543072	2.0096889
A_16_P02051821	9	5044579	5044638	187847	JAK2	1.007309	0.470629	-1.642518	1.0159416
A_16_P38634079	9	5052940	5052999	78127	JAK2	1.3638	0.720971	-1.400402	1.1228065
A_16_P02051838	9	5059092	5059151	74409	JAK2	1.914033	1.141663	-0.621577	1.8186041
A_16_P38634126	9	5068283	5068342	145901	JAK2	1.607701	0.857324	-1.323296	1.4027598
A_16_P38634169	9	5080443	5080502	226196	JAK2	1.867268	1.116268	-0.743798	1.7494156
A_16_P02051887	9	5085740	5085799	215519	JAK2	1.915134	1.314159	-0.364662	2.1586502
A_16_P18537543	9	5099824	5099883	214011	JAK2	2.122443	1.419836	-0.210477	2.3369796
A_16_P38634241	9	5106731	5106790	194525	JAK2	1.627348	0.941296	-0.870393	1.7319183
A_14_P127099	9	5117767	5117826	228943	JAK2	1.967671	1.072406	-0.732931	1.8733338
A_14_P136058	9	5117827	5117886	114132	JAK2	1.773662	1.041096	-0.711502	2.0887973
A_16_P02051945	9	5130396	5130455	181863	chr9:005130396-005130455	1.907387	1.309769	-0.567038	2.0560408
A_16_P02051946	9	5138840	5138888	94632	chr9:005138840-005138888	1.602981	0.597	-0.759443	1.2812512
A_16_P18537608	9	5152145	5152204	218345	chr9:005152145-005152204	1.871292	1.077098	-1.097481	1.8576957
A_14_P110162	9	5155709	5155768	72266	INSL6	1.276199	0.367264	-1.663683	1.2661785
A_16_P18537623	9	5166527	5166586	23592	INSL6	1.973275	1.140747	-0.794367	2.0993948
A_16_P18537639	9	5175255	5175314	184285	INSL6	2.689521	1.51312	0.285093	3.0307925
A_16_P18537658	9	5183334	5183393	194300	chr9:005183334-005183393	1.601927	0.835898	-1.142224	1.6362514
A_16_P02051990	9	5193717	5193776	81951	chr9:005193717-005193776	1.581145	0.869205	-1.278547	1.5600393
A_16_P18537706	9	5201960	5202019	203672	chr9:005201960-005202019	2.153298	1.348549	2.598441	2.2934046
A_16_P38634390	9	5206903	5206962	61921	chr9:005206903-005206962	1.817673	1.059875	2.086806	2.0517259
A_16_P18537721	9	5211754	5211810	206350	chr9:005211754-005211810	1.799654	1.404932	2.5229	2.4759383
A_14_P132861	9	5221815	5221874	1818	INSL4	1.933282	1.142036	2.019321	1.8457067
A_16_P02052021	9	5225765	5225824	78181	chr9:005225765-005225824	1.864913	1.221165	1.993998	1.869459
A_16_P18537747	9	5256340	5256397	306	chr9:005256340-005256397	2.853047	1.826869	3.167243	2.9171262
A_16_P18537764	9	5274731	5274775	104185	chr9:005274731-005274775	1.767021	1.034808	2.208775	1.9956784
A_16_P38634441	9	5281649	5281708	114010	chr9:005281649-005281708	2.095258	1.421777	2.505984	2.2453716
A_14_P116102	9	5289937	5289996	222314	RLN2	1.367633	0.796617	1.709468	1.418954
A_16_P18537802	9	5298149	5298208	52469	chr9:005298149-005298208	2.836292	1.741073	3.061043	2.8636644
A_16_P38634503	9	5309472	5309531	85199	chr9:005309472-005309531	2.126366	1.140663	2.070842	1.7919768
A_16_P38634523	9	5315976	5316035	66391	chr9:005315976-005316035	1.976622	0.962526	2.096778	1.8191409

A_14_P114773	9	5325065	5325124	130296	RLN1	2.258214	1.099203	2.228152	1.9571224
A_16_P18537868	9	5330015	5330074	2136	chr9:005330015-005330074	1.852497	1.17859	2.117419	1.9340224
A_16_P18537876	9	5338569	5338628	111929	chr9:005338569-005338628	1.069818	0.402277	1.34909	1.0853747
A_16_P02052090	9	5342284	5342343	121387	chr9:005342284-005342343	2.272262	1.491264	2.748927	2.5833414
A_16_P02052104	9	5348182	5348241	84545	C9orf46	1.820619	1.096719	2.188857	1.9169798
A_16_P18537925	9	5356453	5356512	184122	C9orf46	2.195809	1.335419	2.581044	2.2828157
A_16_P38634630	9	5365424	5365483	26516	C9orf46	1.490425	0.834653	1.93074	1.7567899
A_16_P18537962	9	5375239	5375298	51394	C9orf46	2.091781	1.49966	2.596066	2.4261599
A_16_P02052155	9	5385733	5385792	193348	C9orf46	1.830349	0.626742	1.836884	1.4291992
A_16_P18538023	9	5399965	5400024	221675	C9orf46	1.749416	1.016896	2.137409	2.0540113
A_14_P116588	9	5410412	5410471	58135	C9orf46	2.008574	1.407403	2.278729	2.137813
A_16_P18538052	9	5416040	5416099	191081	C9orf46	2.332682	1.466178	2.665316	2.5679312
A_16_P18538067	9	5421993	5422052	220090	C9orf46	1.760117	0.967407	2.278634	1.9421796
A_14_P127466	9	5427501	5427549	70539	C9orf46	1.830095	1.175505	2.24459	2.1293464
A_16_P02052215	9	5437495	5437554	149273	BC036853	2.112654	1.36393	2.543279	2.710501
A_16_P02052226	9	5442456	5442515	149444	CD274	2.107348	1.426988	2.524209	2.2674134
A_16_P18538134	9	5447101	5447160	56984	CD274	2.331918	1.513157	2.930917	2.7440276
A_14_P120124	9	5453902	5453961	18901	CD274	2.413986	1.632643	2.739432	2.604832
A_16_P02052257	9	5458427	5458486	55932	CD274	2.210537	1.44736	2.667153	2.5364184
A_16_P18538187	9	5470112	5470171	7733	BC036853	1.266406	0.614072	1.519814	1.1553696
A_16_P02052283	9	5479269	5479328	109034	BC036853	2.178776	1.424208	2.896584	2.5641308
A_16_P18538233	9	5488200	5488259	43542	BC036853	1.927167	1.19992	2.395863	1.9670738
A_14_P111176	9	5500695	5500754	55329	PDCD1LG2	1.879395	1.261572	2.313174	2.1662421
A_16_P02052317	9	5512516	5512575	11531	PDCD1LG2	2.065679	1.382145	2.405537	2.2754269
A_16_P02052334	9	5523277	5523336	41464	PDCD1LG2	1.703796	1.381207	2.128775	2.275259
A_16_P38635018	9	5528747	5528806	188593	PDCD1LG2	0.644083	1.28783	2.754661	2.327961
A_14_P102548	9	5536660	5536719	9534	PDCD1LG2	2.17086	1.349114	2.682376	2.1028996
A_16_P18538336	9	5542701	5542760	30559	PDCD1LG2	2.001329	1.153697	2.579108	2.0730324
A_16_P18538355	9	5548534	5548593	11290	PDCD1LG2	2.476715	1.533866	3.054473	2.649994
A_16_P18538373	9	5554309	5554368	122534	PDCD1LG2	2.348088	1.489787	2.767121	2.5442216
A_16_P02052388	9	5560263	5560322	92416	PDCD1LG2	1.919991	1.258488	2.319753	1.9027396
A_16_P02052397	9	5568591	5568650	161568	BC036853	2.050485	1.23179	2.38171	2.2287624
A_16_P18538451	9	5587430	5587489	237919	BC036853	2.188953	1.489754	2.526555	2.438527
A_16_P18538487	9	5605531	5605590	230612	BC036853	1.894889	1.166556	2.303689	1.9455326
A_16_P18538503	9	5616011	5616070	148061	BC036853	2.460265	1.763951	3.020806	2.6158893
A_16_P18538528	9	5623484	5623543	162450	AL136875	2.043762	1.238722	2.498626	2.2002103
A_16_P18538533	9	5633829	5633888	179175	AL136875	1.939855	1.351222	2.305536	2.1099145
A_16_P18538540	9	5647674	5647733	104490	KIAA1432	1.623614	0.962852	1.925648	1.6468334
A_16_P02052482	9	5660083	5660142	173329	KIAA1432	1.797979	0.931472	2.147419	1.9948196
A_16_P38635272	9	5666608	5666667	73183	KIAA1432	1.607435	0.915337	1.983385	1.453082
A_16_P02052498	9	5679948	5680007	55527	KIAA1432	1.85406	1.128228	2.27397	1.9433649
A_16_P18538598	9	5689927	5689986	93397	KIAA1432	2.124762	1.519205	2.507467	2.25884
A_16_P38635330	9	5703843	5703902	174359	KIAA1432	1.812552	1.028162	2.092771	1.8596494
A_16_P02052543	9	5710699	5710758	125327	KIAA1432	1.929507	1.190291	2.478855	2.2190228
A_16_P18538662	9	5726990	5727049	167587	KIAA1432	2.006384	1.289332	2.385926	1.9927571
A_16_P02052565	9	5735668	5735727	119725	KIAA1432	2.181935	1.483557	2.663766	2.4308856
A_16_P02052588	9	5744878	5744937	9635	KIAA1432	1.61644	0.888106	1.949149	1.7348006
A_16_P02052600	9	5753393	5753452	146665	KIAA1432	1.651306	0.946194	2.047117	1.7787523
A_14_P201168	9	5758572	5758631	193290	KIAA1432	2.41499	1.729232	3.145937	2.628996
A_14_P101695	9	5760926	5760985	117564	KIAA1432	1.019434	0.599605	1.170804	1.0821347
A_14_P202469	9	5764592	5764651	200812	AB037853	1.58153	0.950434	2.068612	1.5394161
A_16_P02052628	9	5775791	5775850	239594	KIAA1815	1.739133	1.085069	2.12552	1.793816
A_16_P18538792	9	5782445	5782504	210097	KIAA1815	1.70841	1.141968	2.007891	1.874252
A_16_P02052645	9	5791251	5791310	73643	KIAA1815	2.141364	1.43795	2.55843	2.2514958
A_16_P38635584	9	5802871	5802930	18629	KIAA1815	2.133498	1.434139	2.581605	2.4245615
A_16_P02052687	9	5815083	5815142	44732	KIAA1815	1.726888	1.028562	2.085892	1.7956588
A_16_P18538885	9	5821028	5821087	11009	KIAA1815	2.370745	1.65798	2.785807	2.6643374
A_16_P38635662	9	5833071	5833130	19257	chr9:005833071-005833130	2.263586	1.468113	2.840779	2.480057
A_16_P02052734	9	5843483	5843542	178604	chr9:005843483-005843542	2.688967	1.940522	3.369474	3.017632
A_16_P02052751	9	5854904	5854963	181513	chr9:005854904-005854963	2.27153	1.471896	2.864699	2.447795
A_16_P18539010	9	5871429	5871488	101973	chr9:005871429-005871488	2.403298	1.835177	3.012899	2.7256985
A_16_P38635796	9	5883013	5883072	195500	MLANA	2.365472	1.903266	2.992909	2.7182252
A_14_P103344	9	5887594	5887646	103671	MLANA	2.647924	1.827119	3.113884	2.7459044
A_14_P119048	9	5890207	5890266	57761	MLANA	1.844097	1.286258	2.190398	2.071557
A_14_P124382	9	5898765	5898824	175857	MLANA	1.919264	1.336899	2.321507	2.056168
A_16_P02052817	9	5903345	5903404	217635	chr9:005903345-005903404	1.970044	1.451846	2.471095	2.3151438
A_16_P38635860	9	5909395	5909454	158551	KIAA2026	1.718717	1.071394	1.93141	1.8387196
A_16_P18539122	9	5914640	5914699	23555	KIAA2026	2.101242	1.690056	2.84653	2.5639577
A_16_P18539153	9	5924955	5925014	201224	KIAA2026	1.44027	0.942365	2.010602	1.6932994
A_16_P18539173	9	5931060	5931119	193848	KIAA2026	1.956371	1.576031	2.503579	2.289667
A_16_P18539209	9	5941333	5941392	127098	KIAA2026	1.793015	1.037568	2.091538	1.9758724
A_16_P18539237	9	5949198	5949257	26138	BC108654	1.808592	1.228699	2.007957	1.9529796
A_14_P122666	9	5957327	5957386	65275	BC108654	2.340879	2.031473	2.570016	2.1885507

A_16_P18539280	9	5968795	5968854	5060	chr9:005968795-005968854	2.26954	1.450064	2.722973	2.3802207
A_16_P02052945	9	5978479	5978538	112574	chr9:005978479-005978538	2.341527	1.561577	2.751362	2.4710703
A_16_P18539313	9	5984467	5984526	176823	chr9:005984467-005984526	2.044812	1.411031	2.444966	2.2326977
A_16_P38636089	9	5989383	5989442	111115	chr9:005989383-005989442	1.555683	1.073654	1.889779	1.6198102
A_16_P18539350	9	5995102	5995161	203248	chr9:005995102-005995161	1.989023	1.183276	2.330916	1.9786987
A_16_P02052992	9	6004774	6004833	50117	RANBP6	1.630668	0.833292	1.84782	1.6365618
A_16_P18539393	9	6009634	6009693	120306	chr9:006009634-006009693	2.047248	1.276993	2.401532	1.999886
A_16_P18539406	9	6017999	6018058	192616	chr9:006017999-006018058	1.752243	1.105376	2.151689	1.8745136
A_16_P18539417	9	6023590	6023649	85662	chr9:006023590-006023649	2.308716	1.504037	3.230292	2.2659242
A_16_P18539449	9	6045497	6045556	80411	chr9:006045497-006045556	2.404727	1.425395	2.874098	2.186159
A_16_P02053048	9	6062942	6063001	23016	chr9:006062942-006063001	1.656868	1.212672	1.999313	1.8502239
A_14_P122767	9	6089101	6089160	18219	chr9:006089101-006089160	2.504553	1.608884	3.040534	2.7172985
A_16_P18539609	9	6132473	6132532	188000	chr9:006132473-006132532	2.048961	1.296359	2.34841	1.97314
A_16_P02053128	9	6156682	6156741	137726	chr9:006156682-006156741	1.476987	0.819565	1.602872	1.5911907
A_16_P02053146	9	6179414	6179473	186299	chr9:006179414-006179473	2.061527	1.075666	2.400955	2.1011333
A_16_P02053157	9	6188539	6188598	72162	chr9:006188539-006188598	2.090605	1.333916	2.448526	2.202852
A_14_P119264	9	6205819	6205878	29576	BC047085	1.85898	0.948033	2.126144	1.9914778
A_16_P18539756	9	6220796	6220855	33208	BC047085	2.272129	1.503394	2.633034	2.5421064
A_16_P18539779	9	6228555	6228613	49708	BC047085	2.119024	1.309539	2.422876	2.15697
A_14_P108559	9	6234664	6234723	181904	IL33	2.072974	1.312459	2.436374	2.3090436
A_16_P02053224	9	6241214	6241273	58878	IL33	2.348327	1.562603	2.808623	2.5394025
A_16_P38636577	9	6246061	6246120	75796	IL33	1.961877	1.225428	2.236458	2.0719626
A_16_P18539825	9	6254454	6254513	202047	chr9:006254454-006254513	1.821715	0.953179	2.241355	2.0967689
A_14_P118373	9	6262516	6262575	180005	chr9:006262516-006262575	2.141907	1.419981	2.611095	2.268967
A_16_P38636627	9	6272907	6272966	167605	chr9:006272907-006272966	2.403932	1.52515	2.759632	2.5830123
A_16_P18539887	9	6292412	6292471	88422	chr9:006292412-006292471	2.208012	1.438398	2.539893	2.053506
A_16_P38636673	9	6302800	6302859	93733	chr9:006302800-006302859	1.909829	1.176053	2.05197	1.9360911
A_16_P18539919	9	6315108	6315167	408	chr9:006315108-006315167	2.280039	1.632971	3.140182	2.3387315
A_14_P102889	9	6318511	6318564	65296	TPD52L3	2.344147	1.697503	2.828963	2.6719525
A_14_P130340	9	6320667	6320726	220729	TPD52L3	2.274761	1.749685	2.996129	2.6299086
A_14_P129759	9	6321081	6321140	70257	TPD52L3	2.19556	1.359989	2.622703	2.1916895
A_16_P38636717	9	6322918	6322968	218473	chr9:006322918-006322968	2.225486	1.514718	3.010834	2.7548738
A_16_P38636718	9	6339863	6339919	97786	chr9:006339863-006339919	2.725263	1.86393	2.332175	2.9130702
A_16_P18539974	9	6349593	6349652	123912	chr9:006349593-006349652	1.560733	0.843998	1.730688	1.4066205
A_16_P18539998	9	6387159	6387218	30374	chr9:006387159-006387218	2.381787	1.511289	2.73372	2.4560637
A_16_P18540014	9	6396603	6396662	211688	chr9:006396603-006396662	1.605466	0.861086	1.727269	1.3948411
A_14_P124207	9	6405111	6405170	138919	UHRF2	1.903001	0.997455	2.152458	1.875853
A_16_P18540056	9	6410789	6410848	229582	UHRF2	2.057862	1.228665	2.283846	1.8987169
A_16_P02053381	9	6421592	6421651	46067	UHRF2	1.288709	0.868736	1.941318	1.8160785
A_16_P18540099	9	6429600	6429659	9276	UHRF2	0.897339	0.523105	1.2249	1.1285974
A_16_P18540124	9	6441073	6441132	152364	UHRF2	1.837579	0.989927	2.211026	1.9568074
A_16_P38636919	9	6450788	6450847	231390	UHRF2	1.670107	1.094586	2.052722	1.8534135
A_14_P124483	9	6458389	6458448	113442	UHRF2	1.618104	0.915823	1.931323	1.7592247
A_16_P18540169	9	6465338	6465397	241444	UHRF2	1.71924	1.102457	2.259921	2.014453
A_16_P18540191	9	6476776	6476835	237975	UHRF2	1.885265	1.02932	2.024837	1.8566846
A_16_P18540233	9	6491006	6491065	39069	UHRF2	2.207609	1.41785	2.33455	2.35481
A_16_P02053487	9	6500132	6500191	234708	chr9:006500132-006500191	1.945144	1.172146	2.071118	1.9917029
A_16_P38637069	9	6507535	6507594	61898	chr9:006507535-006507594	1.899954	1.322188	2.092212	2.0683756
A_14_P104884	9	6516152	6516211	161930	chr9:006516152-006516211	1.664626	0.857752	1.61048	1.6808283
A_16_P02053523	9	6531400	6531459	63980	GLDC	1.719439	1.079003	1.856317	1.7606053
A_16_P18540340	9	6537424	6537483	200638	GLDC	2.264613	1.523235	2.546684	2.4128838
A_16_P38637185	9	6548442	6548501	164249	GLDC	2.834199	1.839699	2.910752	2.958831
A_16_P18540411	9	6559981	6560036	186117	GLDC	1.777582	1.13802	1.92681	1.9446605
A_16_P02053580	9	6565628	6565687	237239	GLDC	2.444531	1.564789	2.606668	2.209512
A_16_P18540444	9	6574139	6574198	149441	GLDC	1.788668	1.088299	1.829213	1.7144744
A_14_P119183	9	6582113	6582172	157262	GLDC	2.181129	1.494251	1.957035	2.1004834
A_16_P18540476	9	6588697	6588756	162535	GLDC	2.585889	1.706392	2.44001	2.6024554
A_16_P18540493	9	6594524	6594583	172078	GLDC	2.2062	1.446762	1.992504	2.1227148
A_16_P38637330	9	6600940	6600999	152953	GLDC	1.711076	0.661085	1.328773	1.3855202
A_14_P134429	9	6610160	6610214	25535	GLDC	2.289065	1.57245	2.186161	2.5501828
A_16_P02053665	9	6623341	6623400	219604	GLDC	1.120994	1.592797	2.143761	2.2694247
A_16_P38637409	9	6631759	6631818	190143	GLDC	1.338554	0.470839	1.01935	1.0858512
A_16_P38637434	9	6641516	6641575	151162	chr9:006641516-006641575	2.120055	1.386493	1.778373	1.6725593
A_16_P18540622	9	6648841	6648900	50030	chr9:006648841-006648900	2.017373	1.336913	1.70923	2.0039945
A_16_P38637470	9	6662380	6662439	209538	chr9:006662380-006662439	2.417753	1.581584	2.229968	2.3023884
A_14_P111588	9	6684944	6685003	237842	chr9:006684944-006685003	1.873657	1.190583	1.638896	1.8814509
A_16_P18540712	9	6704941	6705000	57942	chr9:006704941-006705000	1.835665	1.089592	1.439463	1.6165084
A_16_P18540731	9	6716297	6716356	135008	chr9:006716297-006716356	2.618692	1.770947	2.364075	2.0006785
A_16_P18540737	9	6724596	6724655	234804	chr9:006724596-006724655	2.46879	1.540114	2.160792	2.1512063
A_16_P18540746	9	6733393	6733452	233010	chr9:006733393-006733452	2.056925	1.171278	1.738667	2.1381216
A_16_P02053761	9	6746371	6746430	49562	chr9:006746371-006746430	2.600858	1.717567	2.34822	2.4755688
A_16_P02053770	9	6753430	6753489	56500	JMJD2C	2.709864	2.047748	2.567099	2.6469383
A_16_P18540809	9	6760235	6760294	2949	JMJD2C	2.320743	1.345977	2.068306	2.0334728

A_16_P02053791	9	6767815	6767874	182352	JMJD2C	2.297139	1.36731	1.769834	1.8421198
A_16_P02053800	9	6773966	6774024	240717	JMJD2C	1.500512	0.708136	1.043565	1.3097326
A_16_P02053809	9	6780884	6780943	240420	JMJD2C	2.272614	1.46776	1.988487	2.0964112
A_16_P02053820	9	6787759	6787818	75219	JMJD2C	2.444176	1.597012	2.110833	2.0417295
A_16_P38637711	9	6795980	6796039	168871	JMJD2C	2.208471	1.527037	1.95218	2.184903
A_14_P126908	9	6804678	6804737	201190	JMJD2C	1.454898	0.534969	0.873538	1.160589
A_16_P38637753	9	6813069	6813128	230315	JMJD2C	1.996337	1.254852	1.494561	1.8146279
A_16_P18540962	9	6828207	6828266	59169	JMJD2C	2.139692	1.34097	1.738748	1.9965429
A_16_P18540993	9	6838701	6838760	134794	JMJD2C	2.075483	1.437378	1.769456	2.188788
A_14_P122422	9	6848179	6848238	116594	JMJD2C	2.143358	1.298795	1.868051	1.9026068
A_16_P02053933	9	6861820	6861879	198477	JMJD2C	2.383836	1.357294	1.865354	2.1523027
A_16_P18541084	9	6874498	6874557	26450	JMJD2C	1.96504	1.113277	1.647274	1.9073322
A_14_P119617	9	6883176	6883235	103936	JMJD2C	2.237667	1.150039	1.545613	1.7764224
A_16_P38637966	9	6896978	6897037	51551	JMJD2C	2.018258	1.203594	1.529127	1.8663162
A_16_P18541191	9	6905644	6905703	156252	JMJD2C	1.697488	1.047838	1.339857	1.6706629
A_16_P38638035	9	6913528	6913587	99725	JMJD2C	2.092396	1.261221	1.789454	2.0175023
A_14_P123456	9	6923756	6923815	182928	JMJD2C	2.322436	1.582638	2.080459	2.3895254
A_16_P18541261	9	6931525	6931584	241795	JMJD2C	2.450196	1.480801	2.040683	2.338663
A_16_P18541280	9	6937618	6937677	172537	JMJD2C	2.111554	1.124264	1.570497	1.8480068
A_16_P02054086	9	6942794	6942853	172855	JMJD2C	2.204348	1.475844	1.84634	2.1699333
A_16_P18541341	9	6958665	6958724	238171	JMJD2C	1.668057	0.899626	1.170729	1.5038695
A_14_P135386	9	6967940	6967999	105259	JMJD2C	2.029779	1.22159	1.604114	1.7520173
A_16_P02054154	9	6974370	6974429	83304	JMJD2C	2.092536	1.284324	1.72848	2.0275822
A_16_P18541419	9	6980907	6980966	96049	JMJD2C	1.999116	1.111723	1.486885	1.7285656
A_16_P18541452	9	6990683	6990742	164028	JMJD2C	1.718777	0.766754	1.080612	1.4155433
A_16_P18541472	9	6996858	6996917	232601	JMJD2C	1.540641	0.878538	1.018475	1.3384551
A_16_P02054208	9	7003793	7003852	38944	JMJD2C	2.32688	1.508484	2.040837	2.3475726
A_14_P114621	9	7019186	7019245	57468	JMJD2C	1.570842	0.569369	1.039645	1.1954265
A_16_P18541537	9	7028243	7028302	101320	JMJD2C	1.417345	0.747335	1.089025	1.3445805
A_16_P18541547	9	7033351	7033410	154913	JMJD2C	1.531199	0.65761	0.969742	1.3328505
A_16_P18541566	9	7038808	7038867	97135	JMJD2C	1.793972	1.098824	1.37963	1.6896278
A_16_P02054279	9	7047815	7047874	75159	JMJD2C	2.049311	1.557298	2.030327	2.0423641
A_14_P117140	9	7058096	7058155	227404	JMJD2C	1.355146	0.713825	0.83221	1.1608498
A_16_P18541654	9	7069629	7069688	160329	JMJD2C	2.199907	1.241417	1.741166	1.9836367
A_16_P38638521	9	7079657	7079716	45691	JMJD2C	2.472057	1.609493	2.216048	2.4092064
A_16_P18541717	9	7088178	7088237	226120	JMJD2C	1.987792	1.228646	1.647636	1.8854966
A_14_P101010	9	7096343	7096402	235282	JMJD2C	2.23712	1.321204	1.780811	2.0356405
A_16_P18541784	9	7107342	7107401	217407	JMJD2C	2.633852	1.667648	2.665038	2.7388067
A_16_P02054419	9	7123384	7123443	239442	JMJD2C	2.57024	1.830507	2.107513	2.40438
A_16_P18541853	9	7129465	7129524	184104	JMJD2C	2.185835	1.539897	1.920499	2.115437
A_16_P18541878	9	7139781	7139840	161652	JMJD2C	2.192426	1.314392	1.894497	2.2320888
A_16_P18541895	9	7145062	7145121	168707	JMJD2C	1.779732	0.896677	1.20216	1.5139909
A_14_P123515	9	7160033	7160092	72131	JMJD2C	1.922896	1.104157	1.609697	1.6319634
A_16_P38638802	9	7171314	7171373	72972	chr9:007171314-007171373	2.025723	1.238319	1.61327	1.8737239
A_16_P18541981	9	7178472	7178531	156443	chr9:007178472-007178531	1.510541	0.916808	1.449918	1.6133206
A_14_P109465	9	7192876	7192935	17897	chr9:007192876-007192935	1.940118	1.094352	1.507903	1.7465464
A_16_P18542061	9	7212414	7212473	142298	chr9:007212414-007212473	2.11633	1.473611	1.694529	2.0568287
A_16_P18542116	9	7235058	7235117	12449	chr9:007235058-007235117	1.475405	0.968862	1.162606	1.4180942
A_16_P02054626	9	7263688	7263747	39535	chr9:007263688-007263747	2.371395	1.649787	2.107469	2.2288425
A_16_P18542304	9	7319454	7319513	234052	chr9:007319454-007319513	1.888253	1.131863	1.456192	1.6551163
A_14_P105421	9	7356869	7356928	201785	chr9:007356869-007356928	2.505129	1.61275	2.070757	2.352032
A_16_P02054843	9	7396754	7396813	126785	chr9:007396754-007396813	2.214155	1.492946	1.862738	2.0487535
A_16_P02054872	9	7434397	7434456	163602	chr9:007434397-007434456	1.800381	1.027152	1.244293	1.7730831
A_14_P139891	9	7447792	7447851	213154	chr9:007447792-007447851	1.569554	0.822293	1.089798	1.233531
A_16_P02054914	9	7457889	7457948	34506	chr9:007457889-007457948	2.433567	1.567264	2.140111	2.178553
A_16_P18542693	9	7466036	7466095	139707	chr9:007466036-007466095	2.258648	1.241575	1.763871	1.862348
A_16_P18542733	9	7483625	7483684	61058	chr9:007483625-007483684	2.208284	1.315254	1.697798	1.7575617
A_16_P38639599	9	7495776	7495835	48523	chr9:007495776-007495835	2.031804	1.221515	1.652539	1.7480873
A_16_P18542873	9	7534498	7534557	159898	chr9:007534498-007534557	2.081851	1.366493	1.72758	1.9267732
A_16_P18542974	9	7575139	7575198	25421	chr9:007575139-007575198	1.602014	0.999684	0.947745	1.693676
A_16_P02055131	9	7598025	7598084	127580	chr9:007598025-007598084	2.003763	1.305932	1.756353	1.9541702
A_16_P18543055	9	7625806	7625865	99312	chr9:007625806-007625865	2.124054	1.273401	1.647282	1.7513525
A_14_P110790	9	7649807	7649866	92888	chr9:007649807-007649866	1.803817	1.059054	1.341981	1.43952
A_16_P02055221	9	7672729	7672788	43139	chr9:007672729-007672788	2.159865	1.336103	1.82385	1.9064857
A_16_P38640044	9	7700353	7700412	68538	chr9:007700353-007700412	1.307627	0.329094	0.787823	0.8343857
A_16_P18543259	9	7723767	7723826	180040	chr9:007723767-007723826	2.051441	1.27614	1.584879	1.7940326
A_16_P38640159	9	7751878	7751937	243053	chr9:007751878-007751937	1.692903	0.798526	1.102631	1.3095328
A_14_P113536	9	7769255	7769314	76672	chr9:007769255-007769314	1.811178	1.024497	NaN	1.5749608
A_16_P18543387	9	7782148	7782207	211399	chr9:007782148-007782207	1.404334	0.695146	0.909134	0.6907577
A_16_P38640235	9	7786439	7786498	163587	chr9:007786439-007786498	1.790486	0.867461	1.361643	1.5129372
A_16_P18543418	9	7794748	7794807	31005	chr9:007794748-007794807	2.071249	1.32094	1.835395	2.253879
A_16_P02055371	9	7799142	7799201	181585	chr9:007799142-007799201	2.084035	1.171591	1.74537	1.9286178
A_16_P18543447	9	7806075	7806134	174574	chr9:007806075-007806134	2.042767	1.273401	1.723566	1.9937882

A_16_P18543473	9	7817345	7817404	177571	chr9:007817345-007817404	1.590509	0.81238	0.967108	1.440431
A_16_P18543541	9	7850424	7850483	31551	chr9:007850424-007850483	1.877043	1.117538	1.492417	1.946777
A_16_P38640431	9	7877728	7877787	105841	chr9:007877728-007877787	2.101565	-0.100537	1.953703	0.64582783
A_16_P18543703	9	7920913	7920972	237770	chr9:007920913-007920972	1.661375	0.958481	1.568292	1.8166975
A_14_P119597	9	7952282	7952341	13559	chr9:007952282-007952341	2.137771	1.423214	1.887918	2.198226
A_16_P38640721	9	7980675	7980734	85207	chr9:007980675-007980734	2.034385	1.304805	1.828781	2.2088459
A_16_P18543928	9	8004429	8004488	221947	chr9:008004429-008004488	2.333427	1.602135	1.870119	2.2538176
A_16_P38640835	9	8029875	8029934	111798	chr9:008029875-008029934	1.987388	1.083839	1.436297	1.921865
A_16_P18544005	9	8055133	8055192	208969	chr9:008055133-008055192	2.169531	1.385685	1.909036	2.2702444
A_16_P18544055	9	8084096	8084155	6956	chr9:008084096-008084155	2.141069	1.353399	1.727052	2.1229482
A_14_P138604	9	8106434	8106493	152884	chr9:008106434-008106493	1.672743	0.935333	1.237468	1.6407543
A_16_P18544205	9	8147531	8147590	97033	chr9:008147531-008147590	2.430381	1.543678	2.018601	2.3991277
A_16_P18544349	9	8207768	8207827	185699	chr9:008207768-008207827	2.100549	1.323585	1.749011	2.0335586
A_14_P103249	9	8256433	8256492	154516	chr9:008256433-008256492	1.784336	1.104252	1.499314	1.9159373
A_16_P02056081	9	8289920	8289979	150980	chr9:008289920-008289979	1.731807	0.907403	1.181076	1.6087035
A_16_P18544602	9	8299913	8299972	232588	chr9:008299913-008299972	1.906432	1.330491	1.489627	2.102209
A_14_P133738	9	8307372	8307431	68977	PTPRD	1.637844	1.197746	1.51971	1.9231409
A_16_P18544643	9	8321541	8321598	149354	PTPRD	1.648018	1.014205	1.409585	1.2073087
A_16_P18544664	9	8331065	8331124	188231	PTPRD	2.363025	1.600384	2.213906	2.5562897
A_16_P18544696	9	8340800	8340859	214309	PTPRD	1.382081	0.782393	0.991447	1.3674407
A_16_P02056168	9	8351089	8351148	57541	PTPRD	2.153616	1.272672	1.718047	2.1720424
A_16_P38641589	9	8358946	8359005	30190	PTPRD	1.860722	0.851305	1.299573	1.7447821
A_16_P02056203	9	8366582	8366641	153412	PTPRD	1.46489	0.714758	1.014262	1.4124081
A_16_P02056233	9	8379216	8379275	26458	PTPRD	1.833454	0.930098	1.348562	1.7286702
A_16_P02056271	9	8394560	8394619	32758	PTPRD	1.755269	0.972733	1.548077	1.9027729
A_16_P02056291	9	8402746	8402805	19687	PTPRD	1.921964	1.07805	1.648167	1.9691285
A_16_P18544942	9	8408869	8408928	214025	PTPRD	1.967121	1.30702	1.677925	2.196311
A_16_P18544977	9	8418400	8418459	121112	PTPRD	1.569615	0.660463	0.961686	1.3252479
A_16_P02056341	9	8426578	8426637	63260	PTPRD	1.787876	1.060771	1.253789	1.8278052
A_16_P02056358	9	8435549	8435608	187542	PTPRD	1.892201	1.140717	1.572507	1.8721296
A_16_P18545047	9	8441584	8441643	144729	PTPRD	2.506804	1.508465	2.278565	2.5334485
A_16_P38641916	9	8450367	8450426	97472	PTPRD	2.014546	1.298338	1.667934	2.264097
A_16_P02056402	9	8455462	8455521	159848	PTPRD	2.092827	1.218984	1.724271	2.0139275
A_16_P02056419	9	8462415	8462474	176139	PTPRD	2.316312	1.323523	1.859968	2.0814042
A_16_P18545140	9	8469165	8469224	165322	PTPRD	1.867349	0.941101	1.508135	1.8832022
A_16_P02056444	9	8475268	8475327	40024	PTPRD	2.232407	1.456615	2.034301	2.342941
A_16_P18545185	9	8482959	8483018	196234	PTPRD	2.156991	1.53263	2.019484	2.4779027
A_16_P38642073	9	8494493	8494552	203287	PTPRD	1.99393	1.201082	1.63921	2.0679588
A_16_P18545252	9	8501585	8501644	106919	PTPRD	1.877195	0.976115	1.432795	1.7141098
A_14_P131834	9	8508294	8508353	9796	PTPRD	1.824921	1.10371	1.467215	1.7879
A_16_P18545326	9	8522912	8522971	201254	PTPRD	2.068791	1.365004	1.8179	2.2608767
A_16_P02056566	9	8532029	8532088	106833	PTPRD	2.292616	1.419624	1.90082	2.2488422
A_16_P18545393	9	8543166	8543225	239382	PTPRD	1.971856	1.334266	1.78675	2.140151
A_16_P18545434	9	8556794	8556853	21232	PTPRD	2.294803	1.465625	2.071973	2.3736825
A_16_P18545455	9	8562742	8562801	41121	PTPRD	2.017585	1.118653	1.614503	2.1353898
A_16_P38642332	9	8572032	8572091	141442	PTPRD	1.353761	0.651072	0.930191	1.3277637
A_16_P18545509	9	8580577	8580636	54512	PTPRD	1.918324	1.101067	1.54422	1.9252872
A_16_P02056673	9	8585863	8585922	80141	PTPRD	1.738807	0.927472	1.38416	1.8270714
A_16_P18545544	9	8592177	8592236	55419	PTPRD	2.069671	1.323746	1.793735	2.1900816
A_16_P18545576	9	8602204	8602263	172596	PTPRD	1.598143	0.946326	1.240753	1.6634321
A_16_P38642446	9	8608494	8608553	24652	PTPRD	1.923774	1.178875	1.526295	2.057056
A_16_P38642482	9	8619537	8619596	237811	PTPRD	1.937856	1.23448	1.470439	1.9400097
A_14_P134087	9	8626698	8626757	96051	PTPRD	1.734896	1.040941	1.36634	1.8804274
A_16_P18545699	9	8638776	8638835	35846	PTPRD	1.753296	0.9671	1.447512	1.9623711
A_16_P02056795	9	8644149	8644208	221752	PTPRD	1.571169	0.818217	1.041836	1.5906951
A_16_P18545732	9	8649354	8649413	7354	PTPRD	1.729337	1.076242	1.434528	1.8092197
A_16_P38642597	9	8655581	8655640	162186	PTPRD	2.039595	1.213349	1.645939	2.1236222
A_16_P18545773	9	8661827	8661886	47634	PTPRD	1.708685	0.989974	1.279613	1.6386578
A_16_P02056848	9	8670463	8670522	197626	PTPRD	1.690163	0.807485	1.128089	1.3168544
A_16_P18545842	9	8681889	8681948	53544	PTPRD	2.010705	1.526299	2.011293	2.4143012
A_16_P18545870	9	8689993	8690052	53263	PTPRD	1.856549	0.732257	1.620025	2.119555
A_16_P18545898	9	8699750	8699809	43072	PTPRD	1.936689	1.200535	1.589307	1.8953227
A_16_P38642770	9	8708615	8708674	166663	PTPRD	2.009072	1.308794	1.789432	2.2375407
A_16_P18545955	9	8717555	8717614	4864	PTPRD	2.146255	1.504208	1.852054	2.227934
A_16_P18545973	9	8722920	8722979	32853	PTPRD	2.00919	1.163238	1.746606	2.1270685
A_16_P38642830	9	8728245	8728304	204956	PTPRD	2.055907	1.379578	1.912821	2.0106375
A_16_P02056970	9	8733456	8733515	121698	PTPRD	1.959018	1.238866	1.629038	2.0129023
A_16_P18546022	9	8741167	8741226	200034	PTPRD	1.522077	0.669256	1.190867	1.607383
A_16_P18546032	9	8746447	8746506	228660	PTPRD	1.253282	0.501123	0.840615	1.0209441
A_16_P02057007	9	8759633	8759692	27019	PTPRD	2.045514	1.133554	1.60029	1.9390258
A_16_P18546085	9	8765946	8766005	227800	PTPRD	1.852264	0.927535	1.410544	1.8090369
A_16_P02057033	9	8772944	8773003	186216	PTPRD	2.02515	1.205622	1.70068	2.123841
A_16_P38642971	9	8778656	8778715	192729	PTPRD	1.972003	1.155091	1.673999	2.1004868

A_16_P18546148	9	8785002	8785061	136080	PTPRD	1.730497	0.891715	1.161218	1.7388963
A_16_P02057082	9	8797702	8797761	152714	PTPRD	2.199272	1.386402	1.657626	2.18887
A_16_P38643046	9	8802777	8802836	158574	PTPRD	2.082335	1.318205	1.907291	2.3119967
A_16_P02057111	9	8810794	8810853	117300	PTPRD	1.721896	0.942409	1.270437	1.6073929
A_16_P18546259	9	8823200	8823259	15013	PTPRD	1.520074	0.856913	1.498249	1.5330747
A_14_P124062	9	8832502	8832561	190779	PTPRD	1.60708	0.682623	1.053552	1.396321
A_16_P18546321	9	8841903	8841962	72277	PTPRD	1.863614	0.943031	0.879811	1.6405656
A_16_P18546351	9	8850151	8850210	203992	PTPRD	1.784828	0.986206	1.343279	1.7889471
A_16_P18546390	9	8861565	8861624	117967	PTPRD	1.752381	0.692282	1.32384	1.7579789
A_16_P18546443	9	8875919	8875978	118943	PTPRD	2.083175	1.34623	1.670203	2.1195369
A_16_P18546458	9	8881036	8881095	191999	PTPRD	1.896551	1.248909	1.617193	1.9350392
A_16_P02057272	9	8893382	8893441	23689	PTPRD	2.378378	1.176016	1.676476	2.1711955
A_16_P38643351	9	8903114	8903173	154555	PTPRD	1.655933	0.761291	1.173744	1.4839523
A_16_P18546524	9	8908793	8908852	88179	PTPRD	1.667007	0.941928	1.237555	1.6850367
A_16_P18546554	9	8923995	8924054	27676	PTPRD	1.666703	0.976174	1.427888	1.575663
A_16_P38643412	9	8931713	8931772	128976	PTPRD	2.330817	1.391572	1.753943	2.4042816
A_16_P02057327	9	8937531	8937590	195219	PTPRD	1.788808	1.017808	1.372746	1.8432704
A_16_P18546610	9	8945956	8946015	85266	PTPRD	1.627882	1.02234	1.270128	1.7760742
A_16_P02057352	9	8951722	8951781	31217	PTPRD	1.837624	0.936806	1.289173	1.8569393
A_16_P02057362	9	8962137	8962196	153879	PTPRD	2.406577	1.586683	2.135673	2.5618072
A_16_P18546663	9	8968842	8968901	141297	PTPRD	1.721434	0.816601	1.298607	1.3621119
A_16_P18546678	9	8974083	8974142	149622	PTPRD	1.647826	0.743761	1.160043	1.529373
A_16_P18546705	9	8982038	8982097	6449	PTPRD	2.158411	1.346424	1.794003	2.159443
A_16_P18546736	9	8993820	8993879	216000	PTPRD	2.086337	1.244437	1.711886	2.122356
A_16_P38643604	9	9004802	9004861	14509	PTPRD	1.589829	1.02658	1.5969	2.0150995
A_16_P38643641	9	9018125	9018184	228664	PTPRD	2.056171	1.253408	1.659057	1.9982681
A_16_P38643666	9	9026005	9026064	47156	PTPRD	1.913171	1.153311	1.416151	1.9735509
A_16_P18546859	9	9033312	9033371	44886	PTPRD	1.744248	0.855821	1.218225	1.6404291
A_16_P18546885	9	9043325	9043384	20666	PTPRD	1.838871	0.998392	1.328436	1.7845508
A_16_P18546911	9	9051321	9051380	41108	PTPRD	1.75742	0.892446	1.153323	1.861683
A_16_P18546933	9	9059514	9059573	166280	PTPRD	2.278011	1.468818	2.049922	2.4224918
A_16_P18546953	9	9067923	9067982	109936	PTPRD	1.610216	0.926013	0.93577	1.6563433
A_16_P18546962	9	9075487	9075546	111117	PTPRD	1.763773	0.90113	1.120095	1.5617222
A_16_P38643813	9	9082111	9082170	2003	PTPRD	1.553223	0.725399	1.096817	1.4727464
A_16_P38643836	9	9091605	9091664	233538	PTPRD	1.936047	1.121023	1.838108	1.9095155
A_16_P18547049	9	9104504	9104563	142942	PTPRD	1.815383	0.946352	1.652489	1.7691089
A_16_P18547073	9	9112101	9112160	225390	PTPRD	1.575527	0.945121	1.470329	1.643974
A_16_P38643928	9	9120371	9120430	13333	PTPRD	1.886093	0.949496	1.528371	1.4288985
A_16_P02057659	9	9139965	9140024	104168	PTPRD	1.762503	0.8811	1.553337	1.7230293
A_16_P18547196	9	9159262	9159321	230185	PTPRD	1.764817	0.94057	1.384003	1.5192881
A_16_P18547229	9	9169013	9169072	107155	PTPRD	1.680748	0.91302	1.54394	1.5042422
A_16_P18547271	9	9185377	9185436	229846	PTPRD	1.840413	0.97387	1.459521	1.6871953
A_16_P18547319	9	9203376	9203435	15432	PTPRD	1.874871	1.190149	1.824311	1.6933638
A_14_P138484	9	9215465	9215524	6778	PTPRD	2.036709	1.240441	1.799315	1.8947451
A_16_P18547383	9	9225900	9225959	228673	PTPRD	1.853628	1.103056	1.621894	1.7894905
A_16_P18547405	9	9241954	9242013	194570	PTPRD	1.560978	0.872099	1.192905	1.3036786
A_16_P18547434	9	9251214	9251273	39735	PTPRD	2.150416	1.426719	2.050257	2.036709
A_16_P18547480	9	9272791	9272850	65104	PTPRD	2.263079	1.502999	1.96242	2.1343112
A_16_P18547505	9	9282196	9282255	110174	PTPRD	1.54899	0.851764	1.361704	1.2459193
A_16_P18547546	9	9298181	9298240	204940	PTPRD	2.097475	1.435756	2.188587	2.0641403
A_16_P18547587	9	9310906	9310965	56513	PTPRD	2.076266	1.299114	1.887185	1.9102757
A_16_P18547628	9	9325203	9325262	15261	PTPRD	2.072442	1.07892	1.238651	1.2551085
A_14_P107785	9	9335062	9335121	159753	PTPRD	1.627051	0.792849	1.695208	1.5059496
A_16_P18547717	9	9353262	9353321	85642	PTPRD	1.955123	1.392276	1.967047	1.8312317
A_16_P18547744	9	9366449	9366508	32914	PTPRD	1.65046	1.014819	1.455179	1.3741796
A_16_P02058038	9	9375635	9375694	34562	PTPRD	2.07163	1.370455	1.796632	2.2092655
A_16_P02058066	9	9390269	9390328	41529	PTPRD	2.171897	1.286308	-1.575216	2.1067204
A_16_P18547840	9	9401421	9401480	14616	PTPRD	2.015576	1.424967	-1.527496	1.9026623
A_16_P18547896	9	9423588	9423647	168956	PTPRD	1.336346	0.655682	-2.590909	1.1206524
A_14_P130978	9	9443833	9443892	71046	PTPRD	1.271976	0.712424	-2.009073	1.1275438
A_16_P18547982	9	9452886	9452945	79283	PTPRD	1.737906	1.07754	-1.981027	1.3809714
A_16_P18548017	9	9465324	9465383	21012	PTPRD	1.597079	0.794428	-2.056365	1.4235065
A_16_P18548055	9	9476593	9476652	15815	PTPRD	1.653074	0.956516	1.521275	1.5274097
A_16_P18548064	9	9487786	9487845	164922	PTPRD	1.800878	0.786292	1.503844	1.539528
A_16_P18548135	9	9511545	9511604	139517	PTPRD	2.081005	1.302618	-0.584691	2.0265574
A_16_P18548179	9	9527608	9527667	39650	PTPRD	1.366525	0.598371	-1.507986	1.2870415
A_16_P18548209	9	9542560	9542619	241909	PTPRD	1.695379	1.075537	-0.875537	1.7354589
A_16_P18548249	9	9557477	9557536	184428	PTPRD	1.813791	0.997978	-1.000789	1.5812823
A_16_P18548297	9	9574584	9574643	231748	PTPRD	1.691541	1.134054	-1.044935	1.6776028
A_16_P18548345	9	9591018	9591077	92224	PTPRD	2.141013	1.44239	-0.320115	2.1393251
A_14_P101993	9	9612217	9612276	104157	PTPRD	1.659893	0.899144	-1.016213	1.336197
A_16_P18548458	9	9623899	9623958	143471	PTPRD	1.668945	1.001672	-0.949669	1.5287014
A_16_P18548483	9	9634352	9634411	115926	PTPRD	2.165759	1.398893	-0.571617	1.9757812

A_16_P18548522	9	9651633	9651692	222439	PTPRD	1.743331	0.794493	-1.288301	1.4833692
A_16_P18548555	9	9662075	9662134	44351	PTPRD	1.892634	1.146056	-0.728507	1.7857078
A_16_P18548601	9	9678509	9678568	202181	PTPRD	1.558498	0.751238	-1.329583	1.2927532
A_16_P18548623	9	9694304	9694363	232119	PTPRD	1.604576	0.705717	-1.602935	1.2152559
A_16_P18548650	9	9702960	9703019	81376	PTPRD	2.041455	1.220557	-0.688997	1.8677152
A_16_P18548669	9	9711702	9711761	13849	PTPRD	2.266597	1.44019	-0.461885	2.076301
A_16_P18548713	9	9725748	9725807	124057	PTPRD	1.775942	1.099137	-1.263886	1.513265
A_16_P18548778	9	9747813	9747872	136022	PTPRD	1.820323	0.969502	-0.995806	1.5759658
A_16_P18548800	9	9756235	9756294	52525	PTPRD	1.578925	0.513692	-1.311754	1.0675466
A_16_P18548844	9	9772827	9772886	224841	PTPRD	1.55604	0.907998	-1.069215	1.3771169
A_16_P38645696	9	9783019	9783078	144701	PTPRD	1.690585	0.906888	-0.987982	1.3144261
A_14_P123159	9	9793920	9793979	234711	PTPRD	2.115712	1.22918	-0.854398	1.7507347
A_16_P38645749	9	9807232	9807291	17262	PTPRD	1.552562	1.326171	-0.805874	1.4414743
A_16_P18548951	9	9818819	9818878	22480	PTPRD	1.479518	0.747508	-1.394488	1.191356
A_16_P18549001	9	9838129	9838188	1133	PTPRD	1.080872	0.266072	-2.33717	0.5181279
A_16_P18549038	9	9851130	9851189	21949	PTPRD	2.113465	1.211967	-0.741849	1.8514085
A_16_P18549077	9	9862073	9862132	7501	PTPRD	1.922347	1.065602	-0.912097	1.6504918
A_16_P18549109	9	9870763	9870822	227467	PTPRD	1.917163	1.229018	-0.825484	1.7633162
A_16_P38645951	9	9881585	9881644	215472	PTPRD	1.682409	0.86559	-1.269643	1.6478693
A_16_P18549171	9	9895054	9895113	108020	PTPRD	1.990719	1.136092	-0.795757	2.0425587
A_16_P38646037	9	9915681	9915740	205351	PTPRD	1.719247	0.96418	-1.107066	1.68823
A_16_P02058928	9	9933340	9933399	202479	PTPRD	1.939734	1.039856	-0.888168	2.051116
A_16_P18549304	9	9953296	9953355	221673	PTPRD	1.512838	0.634601	-1.363484	1.3992682
A_16_P18549333	9	9962017	9962076	174525	PTPRD	1.681938	1.03882	-1.136912	1.6738633
A_16_P38646180	9	9975359	9975418	11206	PTPRD	1.832586	1.122464	-1.027895	1.8373239
A_16_P18549386	9	9984638	9984697	53034	PTPRD	1.873895	1.257782	-0.734761	1.9888785
A_16_P18549409	9	9996230	9996289	218350	PTPRD	1.635333	0.991485	-1.142132	1.7611777
A_16_P18549459	9	10013842	10013901	34395	PTPRD	1.277522	0.50213	-1.197276	1.0401759
A_16_P18549489	9	10026427	10026486	236814	PTPRD	2.20975	1.581887	-0.154248	2.591856
A_16_P18549532	9	10039652	10039711	70221	PTPRD	2.037919	1.177877	-0.839443	1.9651766
A_16_P18549564	9	10050015	10050074	155261	PTPRD	1.159575	0.331647	-1.558098	1.2666065
A_16_P38646416	9	10063702	10063761	124140	PTPRD	2.664827	1.704256	-0.066864	2.6837418
A_16_P38646445	9	10072126	10072185	173730	PTPRD	1.800091	1.125385	-0.941492	2.04373
A_16_P18549689	9	10091388	10091447	225772	PTPRD	2.232621	1.342305	-0.406403	2.2318306
A_16_P18549733	9	10105548	10105607	232609	PTPRD	1.744266	1.055096	-1.140382	1.8548223
A_16_P18549763	9	10116221	10116280	130888	PTPRD	1.135024	-0.387517	-1.82044	1.1417544
A_16_P02059268	9	10138017	10138076	164859	PTPRD	1.8698	1.152368	-0.970452	1.9976571
A_16_P02059277	9	10154896	10154955	163139	PTPRD	1.856037	1.049651	-0.914039	1.6833547
A_16_P02059302	9	10166368	10166427	191025	PTPRD	1.632057	0.640964	-1.310619	1.2225864
A_16_P18549896	9	10180803	10180862	40234	PTPRD	2.036173	1.150068	-0.774562	2.1852407
A_16_P38646770	9	10196418	10196477	162556	PTPRD	2.258271	1.40217	-0.431223	2.307611
A_16_P18549985	9	10208517	10208576	155978	PTPRD	1.712913	0.872062	-1.345091	1.5348201
A_16_P38646843	9	10221142	10221201	240625	PTPRD	2.181354	1.235241	-0.868286	2.1914678
A_16_P02059431	9	10239116	10239175	140783	PTPRD	1.93943	1.198544	-0.782079	2.1114469
A_16_P18550128	9	10258438	10258497	732	PTPRD	1.978538	1.095595	-0.804357	1.9135393
A_16_P02059499	9	10276927	10276986	15819	PTPRD	1.690123	1.019425	-1.014416	1.6515366
A_16_P18550221	9	10286985	10287044	153934	PTPRD	1.442683	0.589367	-1.335484	1.3432456
A_16_P18550233	9	10296637	10296696	210985	PTPRD	1.809998	1.178386	-0.845956	1.9617281
A_14_P113716	9	10310424	10310483	212259	PTPRD	1.732961	0.833676	-0.874759	1.5934721
A_16_P38647116	9	10318756	10318815	164282	PTPRD	2.046456	1.294696	-0.421059	2.2774549
A_16_P02059594	9	10330720	10330779	95153	PTPRD	1.828473	0.979609	-1.169405	1.6478366
A_16_P18550367	9	10344381	10344440	88978	PTPRD	1.990186	1.088024	-0.632617	2.0098152
A_16_P18550394	9	10353708	10353767	98533	PTPRD	1.787856	0.924069	-1.02987	1.8386567
A_16_P18550421	9	10362530	10362589	5963	PTPRD	2.101969	1.263781	-0.646883	2.1954706
A_16_P18550443	9	10371123	10371182	56718	PTPRD	1.985137	1.18588	-0.723706	2.1633782
A_16_P18550496	9	10387996	10388055	79476	PTPRD	2.126076	1.379342	-0.516849	2.250201
A_16_P38647397	9	10415554	10415613	76810	PTPRD	1.871367	1.11463	-0.790753	1.8849468
A_14_P118980	9	10430655	10430714	187848	PTPRD	2.452186	1.572252	-0.198133	2.521894
A_16_P18550649	9	10440953	10441012	20956	PTPRD	1.820748	0.67587	-1.516209	1.1769247
A_16_P18550666	9	10452528	10452587	115906	PTPRD	1.87424	1.516656	-0.060024	1.5964012
A_16_P18550697	9	10463268	10463327	81323	PTPRD	1.880699	1.061426	-0.907616	1.5227708
A_16_P18550713	9	10471642	10471701	179	PTPRD	1.686854	1.164752	-0.769365	1.7685481
A_16_P18550727	9	10485345	10485404	153421	PTPRD	1.267072	0.532595	-1.422147	1.1708121
A_16_P02059880	9	10505202	10505261	62714	PTPRD	2.13113	1.218352	-1.601918	1.9841517
A_16_P18550802	9	10517668	10517727	90113	PTPRD	1.755465	1.043734	-1.048679	1.7671309
A_16_P18550839	9	10530358	10530417	134324	PTPRD	2.050748	1.277151	-0.693705	1.7332703
A_16_P18550900	9	10548927	10548986	47129	PTPRD	1.675161	1.048412	-0.942571	1.7523041
A_16_P02059980	9	10560711	10560770	147070	PTPRD	1.672232	0.775684	-1.017133	1.6470896
A_14_P126142	9	10571443	10571502	14901	PTPRD	1.833948	0.959692	-0.702821	1.9867798
A_16_P18551018	9	10585886	10585945	126608	PTPRD	2.051756	1.072737	-0.740418	1.8931682
A_16_P18551070	9	10600765	10600824	141082	PTPRD	1.553748	0.548731	-1.295954	1.3637804
A_16_P38647945	9	10612425	10612484	56111	chr9:010612425-010612484	1.999081	1.23495	-0.660129	2.11548
A_16_P18551181	9	10638009	10638068	62640	chr9:010638009-010638068	1.385019	0.499007	-1.514983	1.188262

A_14_P112889	9	10676662	10676721	78988	chr9:010676662-010676721	2.208891	1.429002	-0.307297	2.0857322
A_16_P18551346	9	10711924	10711983	92961	chr9:010711924-010711983	2.104599	1.233452	-0.533857	1.9730313
A_16_P18551440	9	10747704	10747763	43909	chr9:010747704-010747763	1.914129	1.238174	-0.722854	2.0724306
A_16_P18551474	9	10776075	10776134	234341	chr9:010776075-010776134	1.717917	1.144206	-1.116074	1.7289612
A_16_P18551535	9	10814734	10814793	235404	chr9:010814734-010814793	1.857592	0.99592	-0.988824	1.7400808
A_16_P02060370	9	10842627	10842686	175812	chr9:010842627-010842686	1.996214	1.200449	-0.523755	2.1039414
A_14_P101597	9	10872873	10872932	24165	chr9:010872873-010872932	1.709547	0.968828	-0.990372	1.8592541
A_16_P18551689	9	10894372	10894431	208261	chr9:010894372-010894431	1.567283	0.784289	-1.232596	1.525571
A_16_P18551779	9	10927040	10927099	68600	chr9:010927040-010927099	1.608727	0.852835	-1.193955	1.5018795
A_16_P18551845	9	10962765	10962824	8624	chr9:010962765-010962824	1.962409	1.059569	-0.717317	1.8233802
A_16_P18551910	9	10995880	10995939	4613	chr9:010995880-010995939	1.201094	0.126225	-1.077083	1.4223257
A_14_P137320	9	11027385	11027444	38823	chr9:011027385-011027444	0.990191	-0.021221	-2.264572	0.8456519
A_16_P18552093	9	11076096	11076155	161042	chr9:011076096-011076155	1.673305	0.802349	-1.067706	1.7405692
A_16_P38649008	9	11109628	11109687	146737	chr9:011109628-011109687	1.409432	1.064107	-0.898417	1.9632097
A_16_P18552206	9	11130881	11130940	92481	chr9:011130881-011130940	2.207314	1.353359	-0.422182	2.2779834
A_16_P18552250	9	11163090	11163149	178819	chr9:011163090-011163149	1.255513	1.001143	-1.035317	1.7150435
A_16_P18552295	9	11185618	11185677	16120	chr9:011185618-011185677	2.424303	1.279955	-0.298447	2.3305256
A_14_P103148	9	11209549	11209608	5112	chr9:011209549-011209608	1.613	0.973857	-1.207765	1.5532515
A_16_P18552391	9	11234011	11234070	70268	chr9:011234011-011234070	1.794495	1.050572	-1.082643	1.8149493
A_16_P02060875	9	11267711	11267770	125316	chr9:011267711-011267770	1.557123	0.763778	-1.33282	1.6034036
A_16_P18552457	9	11308830	11308889	137204	chr9:011308830-011308889	2.354892	1.554685	-0.181213	2.5082657
A_16_P38649357	9	11330763	11330822	124740	chr9:011330763-011330822	1.255365	0.493025	-1.545813	1.1988151
A_16_P38649430	9	11361700	11361759	143191	chr9:011361700-011361759	2.106393	1.398355	-0.447164	2.304443
A_16_P18552635	9	11395537	11395596	228797	chr9:011395537-011395596	2.225815	1.308113	-0.337669	2.147448
A_16_P38649571	9	11425603	11425662	74658	chr9:011425603-011425662	2.367419	1.531705	-0.101545	2.654437
A_14_P105529	9	11447340	11447399	150649	chr9:011447340-011447399	1.489643	0.829327	-1.096456	1.3399289
A_16_P18552917	9	11520555	11520614	94996	chr9:011520555-011520614	1.883867	1.194963	-0.914774	1.9152476
A_14_P122576	9	11563531	11563590	167806	chr9:011563531-011563590	1.623484	0.866716	-1.220732	1.6826184
A_16_P18553069	9	11600241	11600300	154112	chr9:011600241-011600300	1.959626	1.240236	-1.170792	1.8887933
A_16_P18553114	9	11622688	11622747	34232	chr9:011622688-011622747	1.687205	0.776548	-1.015028	1.6572351
A_16_P18553166	9	11649296	11649355	179466	chr9:011649296-011649355	1.483217	0.873771	-1.327193	1.4366354
A_14_P135865	9	11687635	11687694	48808	chr9:011687635-011687694	1.060163	0.289817	-1.479063	0.6509861
A_16_P18553268	9	11703632	11703691	242667	chr9:011703632-011703691	1.655144	0.885196	-1.368205	1.2386225
A_16_P18553298	9	11719189	11719248	101309	chr9:011719189-011719248	2.147303	1.194046	-0.64884	2.160902
A_16_P18553326	9	11736422	11736481	221090	chr9:011736422-011736481	2.321097	1.415791	-0.295029	2.2901297
A_16_P18553366	9	11750141	11750200	82177	chr9:011750141-011750200	1.55078	0.681749	-1.165328	1.3278177
A_16_P18553366	9	11750141	11750200	233383	chr9:011750141-011750200	1.570136	0.715921	-1.263413	1.2809565
A_16_P18553366	9	11750141	11750200	33664	chr9:011750141-011750200	1.559805	0.781198	-1.300909	1.3992709
A_16_P18553403	9	11770402	11770461	128389	chr9:011770402-011770461	1.641867	0.903327	-1.363408	1.3435972
A_16_P38650305	9	11789421	11789480	148765	chr9:011789421-011789480	1.60159	0.824062	-1.180957	1.4346942
A_14_P118017	9	11808291	11808350	240246	chr9:011808291-011808350	1.806125	0.998818	-0.826497	1.6273155
A_16_P18553507	9	11819736	11819795	20723	chr9:011819736-011819795	1.811937	0.989766	-0.919947	1.5346014
A_16_P38650459	9	11858524	11858583	204220	chr9:011858524-011858583	2.25133	1.44972	-0.277956	2.2689505
A_16_P18553684	9	11894249	11894308	226145	chr9:011894249-011894308	1.469501	0.48362	-1.380489	1.2097715
A_16_P38650567	9	11917681	11917740	141920	chr9:011917681-011917740	1.787578	0.805878	-1.024527	1.5996931
A_16_P18553759	9	11942522	11942581	68083	chr9:011942522-011942581	1.668105	0.911675	-1.087995	1.5428572
A_16_P18553840	9	11971564	11971623	216016	chr9:011971564-011971623	1.544985	0.839155	-1.414245	1.5894905
A_16_P18553886	9	11997047	11997106	68036	chr9:011997047-011997106	1.589562	0.529352	-1.18872	1.3181129
A_16_P38650771	9	12021727	12021786	200231	chr9:012021727-012021786	1.564813	0.664292	-1.111612	1.3704003
A_14_P136630	9	12038553	12038612	99212	chr9:012038553-012038612	1.56987	0.752642	-1.133151	1.3264683
A_16_P18554008	9	12064176	12064235	124131	chr9:012064176-012064235	1.774724	0.829327	-1.188455	1.5064423
A_16_P18554057	9	12104238	12104297	175442	chr9:012104238-012104297	1.647225	0.944604	-1.174094	1.4957557
A_16_P18554110	9	12137751	12137810	205732	chr9:012137751-012137810	2.014462	1.206884	-0.760137	1.939565
A_16_P18554156	9	12153230	12153289	172320	chr9:012153230-012153289	1.559223	0.662459	-1.289078	1.3922487
A_16_P18554237	9	12186142	12186201	17726	chr9:012186142-012186201	1.759724	1.233694	-0.799966	1.6645553
A_16_P38651132	9	12203622	12203681	206104	chr9:012203622-012203681	1.663692	0.72762	-1.185251	1.5783165
A_16_P18554321	9	12219427	12219486	175045	chr9:012219427-012219486	2.159812	1.437273	-0.310479	2.1321516
A_16_P18554365	9	12239507	12239566	116947	chr9:012239507-012239566	1.838062	1.003213	-1.163839	1.5905559
A_14_P131277	9	12265118	12265177	70024	chr9:012265118-012265177	2.125262	1.370026	-0.329543	2.1545095
A_16_P02062106	9	12292713	12292772	26108	chr9:012292713-012292772	2.003344	1.264142	-0.575593	1.8351648
A_16_P38651372	9	12313439	12313498	63090	chr9:012313439-012313498	1.962059	1.228922	-0.459501	1.923765
A_16_P18554546	9	12332481	12332540	154521	chr9:012332481-012332540	2.1607	1.296932	-0.531201	2.124183
A_16_P18554585	9	12347014	12347073	178278	chr9:012347014-012347073	1.796927	0.962155	-1.561995	1.5228561
A_16_P18554661	9	12377840	12377899	153995	chr9:012377840-012377899	1.516339	0.84409	-1.259531	1.3789322
A_14_P101834	9	12395964	12396020	24085	chr9:012395964-012396020	1.498058	1.063048	-0.378617	1.5422508
A_16_P18554761	9	12414341	12414400	121708	chr9:012414341-012414400	2.316093	1.467189	-0.613368	2.244741
A_16_P38651648	9	12445191	12445250	59792	chr9:012445191-012445250	2.224536	1.592617	-0.434697	2.0034513
A_16_P38651700	9	12469086	12469145	209838	chr9:012469086-012469145	1.388276	0.674731	-1.519002	1.266576
A_16_P38651784	9	12505544	12505603	65375	chr9:012505544-012505603	1.984136	1.344755	-0.481536	2.0179296
A_14_P101283	9	12527982	12528041	64238	chr9:012527982-012528041	2.017343	1.399978	-0.614266	1.9590424
A_16_P02062439	9	12544853	12544912	187897	chr9:012544853-012544912	2.554574	1.949157	0.302615	2.960959
A_16_P38651921	9	12560676	12560735	148594	chr9:012560676-012560735	2.558339	1.778429	-0.013981	2.6760657
A_16_P18555133	9	12574786	12574845	89165	chr9:012574786-012574845	1.933331	1.230166	-0.85862	1.9998567

A_16_P18555182	9	12590504	12590563	9665	chr9:012590504-012590563	1.976061	1.239423	-0.643244	2.033949
A_16_P38652084	9	12611362	12611421	86486	chr9:012611362-012611421	2.127784	1.388095	-0.589106	2.059484
A_16_P18555342	9	12641199	12641258	35681	chr9:012641199-012641258	1.736884	1.075693	-0.792057	1.7785082
A_14_P201851	9	12656200	12656259	8071	chr9:012656200-012656259	1.804803	1.048821	-0.754945	1.8266628
A_16_P18555400	9	12670188	12670247	190516	chr9:012670188-012670247	1.645928	0.779168	-1.320043	1.3844508
A_16_P18555408	9	12676560	12676619	215894	chr9:012676560-012676619	2.246822	1.508724	0.393277	2.4485602
A_14_P110126	9	12683407	12683466	177244	X51420	2.18551	1.433529	-0.406562	2.2109008
A_14_P101680	9	12688542	12688598	202694	TYRP1	2.387077	1.545316	-0.196236	2.2992146
A_16_P38652292	9	12692208	12692267	81076	TYRP1	1.867238	1.197265	-0.869337	1.8247254
A_16_P18555481	9	12699899	12699958	27796	TYRP1	2.267917	1.668556	-0.29456	2.3855236
A_16_P02062722	9	12710832	12710891	54528	chr9:012710832-012710891	2.15111	1.447824	-0.556682	2.1103125
A_16_P18555541	9	12722919	12722978	55425	chr9:012722919-012722978	2.314279	1.591708	-0.238608	2.4089007
A_16_P18555588	9	12748407	12748466	239315	chr9:012748407-012748466	1.897583	0.99742	-0.945031	1.7705483
A_14_P110857	9	12762471	12762530	73553	chr9:012762471-012762530	2.213629	1.562872	-0.251032	2.3754075
A_16_P02062817	9	12770110	12770169	65598	C9orf150	2.008568	1.186988	-0.8339	1.758774
A_16_P38652524	9	12776989	12777048	3877	C9orf150	1.970125	1.317151	-0.613097	1.8759549
A_16_P18555698	9	12784563	12784622	201101	C9orf150	1.737686	1.051739	-0.94685	1.4707041
A_16_P38652570	9	12790972	12791031	130127	C9orf150	1.718999	1.035127	-1.06519	1.4807403
A_16_P18555739	9	12796880	12796939	238561	C9orf150	2.175638	1.517384	-0.585462	2.2167108
A_16_P38652609	9	12806707	12806766	71495	C9orf150	2.124349	1.412669	-0.455372	2.0117316
A_16_P18555778	9	12812061	12812120	58261	C9orf150	1.914379	1.248373	-0.65642	1.7446746
A_16_P18555816	9	12825414	12825473	117926	chr9:012825414-012825473	2.189134	1.513966	-0.6039	2.1628015
A_16_P18555883	9	12849897	12849956	50735	chr9:012849897-012849956	2.154382	1.468682	-0.365132	2.2278748
A_14_P126048	9	12897767	12897826	107763	chr9:012897767-012897826	1.489855	0.861741	-0.926611	1.3429902
A_16_P38652925	9	12931193	12931252	78019	chr9:012931193-012931252	2.302861	1.656633	-0.148658	2.3564537
A_16_P18556127	9	12955311	12955370	173827	chr9:012955311-012955370	2.225512	1.618017	-0.359419	2.1595209
A_16_P18556178	9	12974099	12974158	179531	chr9:012974099-012974158	1.819641	1.143756	-1.265979	1.573819
A_14_P121826	9	12993652	12993711	104016	chr9:012993652-012993711	2.039557	1.457603	-0.650136	1.9836419
A_16_P18556351	9	13039647	13039706	77054	chr9:013039647-013039706	2.450775	1.623428	-0.494232	2.1099105
A_16_P18556416	9	13059524	13059583	104300	chr9:013059524-013059583	2.58048	1.775094	-0.190568	2.5638545
A_16_P02063272	9	13079076	13079135	217913	chr9:013079076-013079135	2.500924	1.614185	-0.25944	2.4665391
A_16_P18556470	9	13090240	13090299	154026	chr9:013090240-013090299	2.117872	1.351386	-0.809216	1.9588758
A_14_P102069	9	13096806	13096865	65547	MPDZ	2.286456	1.576224	-0.552934	2.264378
A_14_P124786	9	13105036	13105093	148957	MPDZ	2.368299	1.545453	-0.091542	2.1827216
A_16_P38653417	9	13116511	13116570	154903	MPDZ	2.254448	1.64055	-0.37843	2.2055728
A_14_P121943	9	13126136	13126195	116169	MPDZ	2.330897	1.525375	-0.455375	2.202279
A_16_P18556625	9	13136793	13136852	32554	MPDZ	2.184668	1.450396	-0.574718	2.0995193
A_16_P18556648	9	13144751	13144810	128295	MPDZ	1.608105	0.71021	-1.083665	1.5382451
A_16_P18556672	9	13152889	13152948	184470	MPDZ	1.735417	0.652032	-1.316634	1.2856231
A_16_P18556693	9	13158317	13158376	139426	MPDZ	1.702747	0.785123	-1.375356	1.4266281
A_16_P38653589	9	13166058	13166117	25720	MPDZ	2.224521	1.336927	-0.543824	2.1038704
A_14_P126447	9	13173475	13173534	150380	MPDZ	2.525311	1.707563	-0.195793	2.4317746
A_16_P18556779	9	13182268	13182327	40126	MPDZ	1.934193	1.353567	-0.676853	1.7526276
A_16_P02063510	9	13195895	13195954	1020	MPDZ	1.860875	1.030255	-1.042996	1.4777743
A_16_P38653701	9	13201421	13201480	59407	MPDZ	1.878678	1.247733	-0.784554	1.6298611
A_14_P108991	9	13207213	13207272	190893	MPDZ	1.802443	0.785947	-1.299364	1.5785441
A_16_P02063542	9	13212393	13212452	189957	MPDZ	2.118625	1.150978	-0.528944	2.1468534
A_16_P18556882	9	13217983	13218042	62076	MPDZ	2.167292	1.270527	-0.747252	1.9334178
A_16_P18556894	9	13224895	13224954	66733	MPDZ	2.221966	1.288327	-0.71567	1.9494318
A_16_P18556909	9	13231203	13231262	190945	MPDZ	1.733836	0.746862	-1.235703	1.3479979
A_14_P120596	9	13240280	13240339	75500	MPDZ	2.08468	1.082933	-0.65071	1.9964415
A_16_P18556957	9	13248657	13248716	7739	AB210041	2.027647	1.11623	-0.974858	1.7999418
A_16_P38653898	9	13265993	13266052	149238	AB210041	2.354495	1.591104	-0.523429	2.3247848
A_16_P38653960	9	13290989	13291048	240868	chr9:013290989-013291048	2.106432	1.171411	-0.708427	1.7271541
A_16_P18557117	9	13313956	13314015	143923	chr9:013313956-013314015	1.893914	1.267804	-0.993114	1.5018167
A_16_P18557163	9	13342644	13342703	44261	chr9:013342644-013342703	2.825268	1.966229	0.095196	2.9839723
A_14_P122672	9	13364245	13364304	18924	chr9:013364245-013364304	2.252706	1.41499	-0.536191	2.206488
A_16_P38654228	9	13405849	13405908	14572	AK123194	2.256544	1.308098	-0.735073	1.5874068
A_16_P18557408	9	13424456	13424515	145925	chr9:013424456-013424515	2.268583	1.529654	-0.5576	2.1205096
A_16_P38654364	9	13444659	13444718	205257	chr9:013444659-013444718	2.058608	1.205179	-0.781148	1.8914849
A_16_P18557527	9	13468491	13468550	231174	chr9:013468491-013468550	1.883851	0.995487	-1.131307	1.5080537
A_14_P139386	9	13491678	13491737	144132	chr9:013491678-013491737	2.233876	1.480679	-0.137895	2.0744982
A_16_P18557673	9	13516090	13516149	207947	chr9:013516090-013516149	2.270708	1.397553	-0.57883	2.1154327
A_16_P02064089	9	13553668	13553727	161128	chr9:013553668-013553727	2.222384	1.387096	-0.634433	1.9963645
A_14_P120872	9	13585855	13585914	21779	chr9:013585855-013585914	1.484646	0.955266	-0.977609	1.191383
A_16_P02064192	9	13628428	13628487	235927	chr9:013628428-013628487	1.973374	1.178756	-1.001563	1.8279032
A_16_P18558044	9	13666446	13666505	109449	chr9:013666446-013666505	2.271005	1.439877	-0.523931	2.2701614
A_16_P18558116	9	13706177	13706236	23909	chr9:013706177-013706236	2.077264	1.241771	-0.849528	1.8328049
A_14_P123311	9	13742900	13742959	40832	chr9:013742900-013742959	2.77053	1.988084	0.202328	2.6628048
A_16_P02064422	9	13797272	13797331	44024	chr9:013797272-013797331	2.292126	1.498488	-0.471457	2.1478603
A_16_P18558430	9	13832546	13832605	89205	chr9:013832546-013832605	2.077039	1.064303	-0.778842	1.7886193
A_14_P135954	9	13867280	13867339	181049	chr9:013867280-013867339	1.609899	0.8205	-0.269551	1.4602486
A_16_P38655437	9	13888365	13888424	207555	chr9:013888365-013888424	2.192646	1.395224	-0.435328	2.0537586

A_16_P38655508	9	13912048	13912107	124937	chr9:013912048-013912107	1.746091	0.926258	-1.115805	1.7294129
A_16_P18558678	9	13932278	13932337	113913	chr9:013932278-013932337	2.313524	1.490181	-0.479917	2.1651409
A_16_P18558770	9	13964040	13964099	143269	chr9:013964040-013964099	2.116603	1.075533	-0.668698	2.0447402
A_14_P126505	9	14015606	14015665	102301	chr9:014015606-014015665	2.192173	1.340746	-0.568571	2.0062318
A_16_P38655893	9	14053079	14053138	1631	chr9:014053079-014053138	2.257117	1.293184	-0.491209	2.0679111
A_16_P02064850	9	14064086	14064145	38808	chr9:014064086-014064145	2.577198	1.579729	-0.056801	2.3599458
A_14_P123749	9	14077982	14078041	4197	NFIB	2.789549	1.818962	0.087404	2.6260257
A_16_P38656008	9	14085074	14085133	147463	NFIB	2.130127	1.194931	-0.668689	1.9286544
A_16_P38656034	9	14091864	14091923	160458	NFIB	1.926377	1.173259	-1.038906	1.6616817
A_16_P38656054	9	14097188	14097247	168358	NFIB	2.055132	1.243405	-0.510518	1.8718945
A_16_P18559199	9	14106842	14106901	95267	NFIB	1.852369	1.098825	-0.755461	1.7092857
A_16_P02064976	9	14118789	14118848	203191	NFIB	2.321934	1.390029	-0.421193	2.153978
A_16_P18559277	9	14129669	14129728	61941	NFIB	1.782166	1.036927	-0.996872	1.5228035
A_14_P120779	9	14136754	14136813	119541	NFIB	1.750812	1.037446	-0.858822	1.6174409
A_16_P18559332	9	14145838	14145897	222912	NFIB	1.618698	0.724451	-1.355129	1.1834154
A_16_P18559361	9	14156628	14156687	240383	NFIB	2.498031	1.553208	-0.222073	2.2444236
A_14_P128032	9	14169741	14169792	3211	NFIB	1.745563	0.937931	-0.987089	1.3955842
A_16_P18559428	9	14175535	14175594	150544	NFIB	2.513184	1.540664	-0.207617	2.2232683
A_16_P38656357	9	14184216	14184275	45688	NFIB	2.130301	1.242138	-0.644776	1.8071415
A_16_P18559484	9	14190359	14190418	204795	NFIB	2.022938	1.193625	-0.743745	1.6509018
A_16_P18559516	9	14200804	14200863	43819	NFIB	1.708077	0.874699	-1.447743	1.1872492
A_16_P18559550	9	14209933	14209992	94832	NFIB	1.586442	0.716439	-1.214014	1.3642601
A_16_P18559603	9	14225535	14225594	177334	NFIB	1.834722	1.004994	-0.828862	1.5172318
A_16_P02065228	9	14234957	14235016	72234	NFIB	1.99155	1.222963	-0.666704	1.6758238
A_16_P38656552	9	14243220	14243279	17836	NFIB	2.010136	1.102129	-0.790651	1.7391737
A_16_P02065259	9	14249391	14249450	87342	NFIB	2.14276	1.426961	-0.518534	1.9658308
A_16_P18559697	9	14254565	14254624	87454	NFIB	1.730318	0.898828	-1.168364	1.4397634
A_14_P118937	9	14260425	14260484	182983	NFIB	1.341845	0.458668	-1.491342	1.006367
A_16_P02065316	9	14276209	14276268	901	NFIB	0.586938	1.372284	-0.583536	2.0017018
A_16_P02065332	9	14283592	14283651	142828	NFIB	0.967801	1.553592	-0.249619	2.241434
A_16_P18559818	9	14289550	14289609	135907	NFIB	0.56638	1.427434	-0.632339	1.9621228
A_14_P131058	9	14297028	14297079	210211	NFIB	1.371862	0.859621	0.10743	1.3167518
A_16_P38656785	9	14309445	14309504	105753	AK131233	2.200636	1.263895	-0.610036	1.9217558
A_16_P18559918	9	14316902	14316961	86716	AK131233	1.698632	0.840859	-1.301043	1.4372447
A_16_P18559951	9	14329118	14329177	208378	AK131233	2.350845	1.403132	-0.535956	2.2238703
A_16_P02065457	9	14344176	14344235	19840	AK131233	2.216059	1.292359	-0.419691	2.0314617
A_16_P02065477	9	14356339	14356398	220641	AK131233	2.263011	1.437438	-0.385183	2.10386
A_16_P38656960	9	14365090	14365149	177044	AK131233	2.970548	1.867682	0.44978	2.870113
A_16_P18560096	9	14374575	14374634	221819	AK131233	2.522232	1.681563	-0.048512	2.50919
A_14_P127735	9	14387186	14387245	10170	AK131233	1.942086	1.113872	-0.838181	1.7276154
A_16_P02065561	9	14400594	14400653	29367	chr9:014400594-014400653	1.88726	1.059685	-1.007585	1.7135687
A_16_P18560230	9	14419257	14419316	171605	chr9:014419257-014419316	1.634786	0.847923	-1.075604	1.5371437
A_16_P02065641	9	14443359	14443418	183196	chr9:014443359-014443418	1.888475	0.866446	-1.039848	1.4912643
A_16_P18560386	9	14473290	14473349	146062	chr9:014473290-014473349	1.584281	0.814971	-1.211269	1.3596824
A_14_P112423	9	14496695	14496754	87307	chr9:014496695-014496754	1.356284	0.578705	-1.475428	0.9905394
A_16_P38657411	9	14513881	14513940	53298	chr9:014513881-014513940	1.646611	0.874702	-1.087057	1.4509763
A_16_P18560564	9	14532081	14532140	85581	chr9:014532081-014532140	2.385538	1.469629	-0.384706	2.330597
A_16_P18560616	9	14553266	14553325	53578	AF161360	2.287537	1.400564	-0.292669	2.083276
A_16_P38657549	9	14566055	14566114	208910	AF161360	2.245835	1.438593	-0.401051	2.2130344
A_16_P02065861	9	14574656	14574715	96487	AF161360	2.212392	1.405765	-0.359173	2.201429
A_16_P18560675	9	14586720	14586779	234158	AF161360	1.833057	0.906616	-1.135981	1.5486267
A_14_P111726	9	14600351	14600410	137198	AF161360	1.581638	0.91961	-1.315908	1.1937218
A_16_P02065902	9	14607072	14607131	88818	ZDHHC21	1.861139	1.098298	-1.045247	1.5733674
A_16_P38657649	9	14612561	14612620	88395	ZDHHC21	2.795877	1.680018	-0.050361	2.549209
A_16_P02065929	9	14619296	14619355	179286	ZDHHC21	2.146244	1.328682	-0.718564	2.1095514
A_14_P125182	9	14629912	14629971	121194	ZDHHC21	2.181785	1.356022	-0.568343	2.0125158
A_16_P18560784	9	14640701	14640760	134970	ZDHHC21	2.270038	1.923521	-0.361221	2.171654
A_16_P02065966	9	14652271	14652330	1089	ZDHHC21	2.456292	1.458579	-0.508155	2.3088515
A_16_P18560836	9	14662226	14662285	181625	ZDHHC21	2.021704	1.1964	-0.872298	1.7468166
A_14_P132360	9	14670121	14670180	124664	ZDHHC21	1.660836	0.864936	-1.195014	1.3698804
A_16_P18560874	9	14679466	14679525	40379	ZDHHC21	1.699609	0.944289	-1.241435	1.5417992
A_16_P02066010	9	14685436	14685495	208763	chr9:014685436-014685495	2.728077	1.702099	-0.13903	2.4529188
A_16_P02066022	9	14691922	14691981	74710	chr9:014691922-014691981	2.79992	1.819869	-0.250714	2.5886574
A_16_P18560922	9	14696065	14696124	207234	chr9:014696065-014696124	1.982262	1.199051	-0.787503	1.7435632
A_16_P18560928	9	14703562	14703621	197491	chr9:014703562-014703621	1.979374	1.119551	-0.873357	1.8579609
A_14_P128784	9	14710333	14710392	11258	CER1	2.106248	1.116947	-0.62466	1.9942427
A_16_P18560963	9	14714078	14714137	209151	chr9:014714078-014714137	1.449782	0.605866	-1.411348	1.1916668
A_16_P18560987	9	14721515	14721574	75653	chr9:014721515-014721574	2.081126	1.118096	-0.999105	1.8255072
A_16_P38657919	9	14727255	14727314	78833	FREM1	2.161093	1.430591	-0.65667	1.8981017
A_16_P18561026	9	14733756	14733815	119920	FREM1	2.17751	1.397005	-0.526374	2.1965008
A_14_P104174	9	14740215	14740274	72934	FREM1	2.344778	1.444367	-0.417927	2.2570174
A_16_P02066127	9	14752351	14752410	181838	FREM1	2.245592	1.362834	-0.722006	1.916915
A_14_P202219	9	14765761	14765819	109953	FREM1	2.502633	1.698096	-0.323002	2.5651

A_16_P02066190	9	14782811	14782870	173233	FREM1	2.374993	1.440772	-0.398568	2.487416
A_16_P02066212	9	14795108	14795167	178117	FREM1	2.252441	1.49436	-0.431442	2.2340279
A_16_P38658185	9	14801142	14801201	42477	FREM1	2.138226	1.2134	-0.679613	2.1609707
A_16_P02066243	9	14809210	14809269	239018	FREM1	2.172319	1.383176	-0.509425	2.1326609
A_16_P38658231	9	14814722	14814781	175616	FREM1	1.294932	0.500459	-1.519188	1.2497743
A_16_P38658263	9	14832243	14832302	203105	FREM1	2.40793	1.502143	-0.18699	2.4054084
A_16_P02066286	9	14838725	14838784	90507	FREM1	2.398419	1.564453	-0.252914	2.4659555
A_16_P02066309	9	14849130	14849189	204192	FREM1	2.567566	1.57002	-0.289473	2.311897
A_16_P02066317	9	14854769	14854828	235371	FREM1	2.172073	1.417155	-0.558923	2.0902047
A_16_P18561419	9	14868777	14868836	208430	FREM1	2.011691	1.153625	-0.708072	1.834193
A_14_P118605	9	14877042	14877101	239232	FREM1	1.940806	1.184472	-0.80499	1.8142548
A_16_P18561477	9	14892991	14893050	116981	FREM1	1.422144	0.444195	-1.691456	1.0103538
A_16_P02066380	9	14900884	14900943	196982	BX537574	1.843033	0.975105	-1.087714	1.6632646
A_16_P18561531	9	14915216	14915275	52609	chr9:014915216-014915275	1.774183	0.870596	-1.079019	1.4943736
A_16_P18561566	9	14926541	14926600	194778	chr9:014926541-014926600	1.851198	1.021893	-0.440908	1.7716167
A_16_P38658531	9	14939025	14939084	242861	chr9:014939025-014939084	2.186352	1.352932	-0.575477	2.0349135
A_16_P18561607	9	14965815	14965873	184789	chr9:014965815-014965873	1.455031	0.583804	-0.796497	1.5802726
A_16_P18561639	9	14976339	14976398	135596	chr9:014976339-014976398	2.080147	1.197058	-1.179956	1.7535464
A_16_P18561662	9	14987094	14987153	118139	AK127963	2.212606	1.510457	-0.500243	2.2649896
A_16_P02066473	9	14994045	14994104	177048	AK127963	2.042972	1.430102	-0.728547	2.0171862
A_16_P18561713	9	15003711	15003770	209137	AK127963	1.780758	1.148113	-1.120806	1.665241
A_16_P18561739	9	15012314	15012373	200527	AK127963	1.228109	0.404357	-1.14278	1.1501417
A_16_P02066516	9	15030963	15031022	196335	AK127963	1.741784	1.005785	-1.139782	1.4961362
A_16_P02066528	9	15045243	15045302	111882	AK127963	2.316606	1.538615	-0.303873	2.2989268
A_16_P18561823	9	15059504	15059563	136052	AK127963	1.89063	1.168945	-0.891957	1.8157051
A_16_P38658811	9	15076757	15076816	39843	AK127963	1.83893	1.10589	-0.949907	1.661462
A_14_P126687	9	15094399	15094458	183126	AK127963	1.73538	0.997806	-1.156471	1.4779736
A_16_P18561910	9	15103102	15103161	111097	AK127963	2.326644	1.55004	-0.34408	2.210016
A_16_P18561936	9	15112934	15112993	61759	AK127963	2.320746	1.581808	-0.270138	2.187729
A_16_P18561952	9	15123135	15123194	141617	AK127963	2.106757	1.24924	-0.670423	1.9399724
A_16_P18562022	9	15148464	15148523	142599	chr9:015148464-015148523	-6.508333	1.541699	-0.222199	2.2641056
A_16_P18562034	9	15154403	15154462	74348	AK093996	1.97386	1.204452	-0.800521	1.8848447
A_16_P18562058	9	15161603	15161662	7104	C9orf52	1.679307	0.848995	-1.215657	1.4674629
A_16_P02066705	9	15167665	15167724	135805	C9orf52	1.647641	0.946376	-1.075705	1.4467118
A_14_P130440	9	15175692	15175751	173940	C9orf52	1.265839	0.145561	-2.21976	0.37278178
A_16_P18562125	9	15182527	15182586	200649	C9orf52	2.069564	1.370702	-0.553074	1.9654729
A_16_P18562136	9	15189812	15189871	29187	C9orf52	1.628628	0.726736	-1.633076	1.0622435
A_16_P18562162	9	15197595	15197654	147117	C9orf52	2.249974	1.494615	-0.160599	2.4978306
A_16_P18562182	9	15204090	15204149	69162	C9orf52	1.710332	0.926639	-0.857618	1.6713309
A_14_P111870	9	15215981	15216038	157919	C9orf52	2.516547	1.688697	0.083505	2.6065128
A_16_P18562232	9	15221799	15221858	184334	C9orf52	2.357372	1.444145	-1.048596	2.3120856
A_16_P02066800	9	15234497	15234556	75604	C9orf52	2.536572	1.620663	0.045406	2.6759796
A_16_P18562293	9	15250627	15250686	7807	C9orf52	2.141238	1.3213	-0.749157	2.2506006
A_14_P135249	9	15257912	15257965	187815	C9orf52	1.693449	0.830938	-1.108521	1.3859582
A_16_P38659304	9	15263240	15263299	30614	C9orf52	1.846664	1.050211	-0.887322	1.82258
A_16_P38659322	9	15268468	15268527	93730	C9orf52	1.623465	0.934657	-0.869848	1.7409128
A_16_P02066869	9	15279703	15279762	56176	C9orf52	2.058283	1.316449	-0.66787	2.1524224
A_16_P02066877	9	15286197	15286256	193363	C9orf52	2.39623	1.693285	0.083004	2.5576057
A_14_P111040	9	15295842	15295901	102181	C9orf52	2.457193	1.62988	-0.131934	2.4439502
A_16_P02066900	9	15307439	15307498	185982	chr9:015307439-015307498	2.095089	1.319209	-0.552038	2.2167282
A_16_P02066911	9	15325490	15325549	213469	chr9:015325490-015325549	2.669371	1.832341	-0.241996	2.707994
A_16_P02066926	9	15341273	15341332	91642	chr9:015341273-015341332	2.084213	1.325894	-0.644088	2.0767257
A_16_P02066943	9	15368135	15368194	193326	chr9:015368135-015368194	2.119346	1.31339	-0.308301	2.0712037
A_16_P02066970	9	15393983	15394042	4812	chr9:015393983-015394042	1.914817	1.039467	-0.811243	1.8134086
A_16_P02066978	9	15407029	15407088	113137	chr9:015407029-015407088	2.680725	1.761906	0.168223	2.8298328
A_16_P02066983	9	15413878	15413937	162243	SNAPC3	2.666064	1.799894	0.067182	2.6853368
A_14_P202180	9	15423811	15423870	148651	SNAPC3	2.576495	1.750154	0.091055	2.8275616
A_14_P110174	9	15434582	15434638	169038	SNAPC3	1.871063	1.061402	-0.77939	1.9391377
A_16_P18562637	9	15443065	15443124	230115	SNAPC3	2.219815	1.368073	-0.465976	2.358936
A_16_P02067026	9	15451943	15452002	190946	BC036031	1.838148	1.108972	-1.100774	1.8750138
A_16_P38659702	9	15462577	15462636	76765	PSIP1	2.325798	1.481677	-0.509941	2.5323918
A_14_P128808	9	15468451	15468510	13372	PSIP1	1.713813	0.915825	-0.900277	1.6357516
A_16_P18562741	9	15476778	15476837	71455	PSIP1	1.876751	1.084554	-0.854008	1.8947825
A_16_P18562758	9	15484769	15484828	118793	PSIP1	1.707123	0.889752	-1.23247	1.6020236
A_16_P02067099	9	15490809	15490868	101615	PSIP1	1.937419	1.230106	-0.743689	1.9962056
A_14_P105718	9	15496545	15496601	218787	PSIP1	1.622048	0.862014	-1.333427	1.4939859
A_16_P38659841	9	15506802	15506861	135605	chr9:015506802-015506861	2.289011	1.505088	-0.401199	2.4186625
A_16_P38659852	9	15512553	15512612	48627	chr9:015512553-015512612	2.087912	0.170686	-0.54971	2.214312
A_16_P02067132	9	15518326	15518385	37664	chr9:015518326-015518385	2.722191	1.869739	-0.170188	2.9216712
A_16_P18562859	9	15525784	15525843	232625	chr9:015525784-015525843	1.814907	0.982565	-0.997399	2.0204334
A_16_P18562874	9	15533012	15533071	123362	chr9:015533012-015533071	1.883466	1.116273	-0.764515	1.964576
A_16_P18562879	9	15539731	15539790	67131	chr9:015539731-015539790	1.802559	1.046862	-0.918783	1.9230894
A_16_P18562903	9	15554099	15554158	181818	C9orf93	2.253815	1.385729	-0.487131	2.410542

A_16_P38659935	9	15561664	15561723	21405	C9orf93	1.989181	1.07801	-0.774226	1.9214681
A_16_P38659956	9	15568785	15568844	31947	C9orf93	1.618061	0.891203	-1.120422	1.6104838
A_14_P118169	9	15581401	15581460	134734	C9orf93	1.837453	1.101829	-1.170617	1.8596181
A_16_P18562964	9	15591864	15591923	10969	C9orf93	1.889539	0.98374	-0.828942	1.9963126
A_16_P38660004	9	15597236	15597295	173757	C9orf93	2.08053	1.33925	-0.687772	2.1273522
A_16_P38660011	9	15605655	15605714	233000	C9orf93	2.004047	1.173321	-0.734522	2.1409168
A_16_P18562994	9	15613080	15613139	62709	C9orf93	1.737361	0.850564	-1.135357	1.7687414
A_16_P18563008	9	15628307	15628366	98710	C9orf93	1.502176	0.711113	-1.058756	1.8156785
A_16_P18563028	9	15633471	15633530	224379	C9orf93	2.172133	1.44829	-0.218603	2.5478384
A_16_P02067242	9	15647106	15647165	212865	C9orf93	1.915424	1.136867	-0.831885	2.015081
A_16_P18563055	9	15653232	15653291	179332	C9orf93	2.245457	1.398915	-0.627068	2.3449736
A_16_P38660099	9	15661170	15661229	163259	C9orf93	1.870499	1.143987	-0.860898	1.9175602
A_16_P38660105	9	15668828	15668887	153281	C9orf93	2.139517	1.254237	-0.391005	1.9833934
A_16_P18563120	9	15686065	15686124	60737	C9orf93	1.72909	0.838602	-1.179036	1.848056
A_16_P18563139	9	15698223	15698282	70441	C9orf93	2.425597	1.601282	0.028806	2.8784168
A_16_P38660183	9	15706361	15706420	194998	C9orf93	1.6479	1.086831	-0.828211	1.9646095
A_16_P18563171	9	15713672	15713731	156872	C9orf93	1.338406	0.759821	-1.486083	1.5572895
A_16_P18563194	9	15720709	15720768	185206	C9orf93	1.450626	0.916419	-1.184809	1.8176993
A_16_P02067344	9	15729142	15729201	141235	C9orf93	2.113967	1.527324	-0.319959	2.51623
A_14_P115692	9	15735493	15735552	98408	C9orf93	2.08121	1.431779	-0.443245	2.5222185
A_16_P02067358	9	15743135	15743194	88532	C9orf93	2.099407	1.480118	-0.366459	2.58873
A_16_P18563247	9	15750636	15750695	200576	C9orf93	1.73405	1.049572	-0.801754	2.0811477
A_16_P18563266	9	15763591	15763650	198698	C9orf93	1.456096	0.845999	-1.897334	1.1997111
A_14_P137240	9	15769098	15769157	142131	C9orf93	1.658926	1.010655	-0.526413	2.0289574
A_16_P02067401	9	15774494	15774553	54870	C9orf93	1.815822	1.004117	-0.437778	1.9978904
A_16_P18563311	9	15784921	15784980	236154	C9orf93	1.698734	1.029987	-0.691286	1.9904423
A_16_P02067414	9	15802255	15802314	96253	C9orf93	1.775287	1.094162	-0.707858	1.9475037
A_16_P38660375	9	15813954	15814013	167505	C9orf93	1.827957	1.091637	-0.748493	2.0320601
A_16_P18563380	9	15827900	15827959	180158	C9orf93	1.730122	1.250379	-0.851284	2.2104928
A_14_P112723	9	15835641	15835700	194847	C9orf93	1.635	1.062407	-0.255482	2.1922321
A_16_P02067475	9	15838886	15838945	199994	C9orf93	1.340788	0.830561	-1.292268	1.6591253
A_16_P38660470	9	15855052	15855111	213356	C9orf93	1.472717	0.798704	-1.255057	1.6956861
A_14_P115272	9	15865748	15865807	113301	C9orf93	0.875098	0.247621	-1.435893	1.238056
A_16_P18563481	9	15871011	15871070	7521	C9orf93	1.748851	1.321747	-0.647077	2.2339153
A_16_P38660552	9	15880891	15880950	141592	C9orf93	1.647572	1.237396	-0.697776	1.9751656
A_16_P18563523	9	15886644	15886703	122642	C9orf93	1.744314	1.250671	-0.760516	2.2561827
A_16_P38660578	9	15899745	15899804	206481	C9orf93	1.367537	1.071276	-0.927825	1.9066085
A_14_P121116	9	15910301	15910360	49430	C9orf93	1.322442	1.086969	-1.099935	1.8242205
A_16_P18563566	9	15917413	15917472	188423	C9orf93	1.260661	0.92953	-1.032953	1.739473
A_16_P18563594	9	15929568	15929627	213714	C9orf93	1.531009	1.238763	-0.676066	2.1871543
A_16_P02067596	9	15946088	15946147	69483	C9orf93	1.474187	1.289799	-0.890505	2.0384285
A_16_P18563636	9	15951601	15951660	52960	C9orf93	1.344096	0.989389	-1.102911	1.8215597
A_16_P02067625	9	15961584	15961643	109095	C9orf93	1.08846	0.713055	-1.385932	1.4392729
A_16_P18563687	9	15967788	15967847	113535	AL832443	1.429056	1.223091	-0.91475	1.9819404
A_16_P02067651	9	15975310	15975369	143458	AL832443	1.754801	1.566439	0.24408	2.6977007
A_16_P18563733	9	15993053	15993112	319	AL832443	1.824808	1.472884	-0.284867	2.4514742
A_14_P107760	9	16005445	16005504	200121	AL832443	1.651907	1.274203	-0.605504	2.1949596
A_16_P18563803	9	16020267	16020326	96774	AL832443	1.655373	1.249214	-0.728164	2.1848102
A_16_P38660888	9	16031848	16031907	12606	AL832443	1.569641	1.092691	-0.755994	1.8220783
A_16_P18563874	9	16047005	16047064	117698	AL832443	1.435514	0.966707	-0.761252	1.7206254
A_16_P02067809	9	16083483	16083542	129359	chr9:016083483-016083542	1.981808	1.68044	-0.010154	2.6563256
A_16_P02067856	9	16114031	16114090	146177	chr9:016114031-016114090	2.228785	1.827575	0.166491	2.9139597
A_16_P02067927	9	16150324	16150383	47124	chr9:016150324-016150383	1.834144	1.480013	-0.262855	2.3472126
A_16_P18564218	9	16172001	16172060	73036	chr9:016172001-016172060	1.691451	1.170082	-0.634543	2.230365
A_16_P02068044	9	16220786	16220845	156588	chr9:016220786-016220845	1.753596	1.423608	-0.187599	2.2045782
A_16_P02068092	9	16246409	16246468	25838	chr9:016246409-016246468	1.525069	1.283807	-0.597591	1.8866466
A_16_P02068137	9	16271246	16271305	29702	chr9:016271246-016271305	2.056139	1.641393	-0.141098	2.650367
A_14_P124281	9	16297883	16297942	149452	chr9:016297883-016297942	1.043822	0.963511	-0.876148	1.4848828
A_16_P38661746	9	16339525	16339584	58230	chr9:016339525-016339584	1.65588	1.349432	-0.597104	2.3467147
A_16_P02068301	9	16376365	16376424	212590	chr9:016376365-016376424	1.692821	1.489974	-0.252502	2.3976507
A_16_P02068327	9	16391595	16391654	160653	chr9:016391595-016391654	1.417787	1.242462	-0.663691	2.0490384
A_14_P137212	9	16408754	16408813	37378	BNC2	1.201804	0.976911	-0.99662	1.6342242
A_16_P02068382	9	16419237	16419296	91445	BNC2	1.38601	0.940265	-0.891755	1.8629394
A_14_P123856	9	16424825	16424884	152997	BNC2	2.255979	1.970428	0.315589	3.1561754
A_16_P02068423	9	16438191	16438250	149714	BNC2	1.384423	0.969502	-0.991307	1.778131
A_16_P38662060	9	16444625	16444684	131460	BNC2	1.636519	1.302143	-0.487206	2.2702045
A_16_P18565037	9	16455531	16455590	233561	BNC2	0.660005	1.500347	-0.632315	2.4813862
A_16_P38662106	9	16462584	16462643	70559	BNC2	1.851048	1.207178	-0.017776	2.6925228
A_16_P02068477	9	16469398	16469457	147274	BNC2	1.490597	1.102873	-0.593654	2.172646
A_16_P18565109	9	16482217	16482276	89098	BNC2	1.842983	1.526096	-0.130999	2.5870793
A_16_P18565124	9	16488698	16488757	218495	BNC2	1.341065	1.086849	-0.959632	2.0441375
A_16_P02068538	9	16500885	16500944	70933	BNC2	1.935612	1.497481	-0.070928	2.6769896
A_14_P116156	9	16516550	16516609	142441	BNC2	1.638577	1.306603	-0.508477	2.3429718

A_14_P202290	9	16517601	16517656	211840	BNC2	0.939013	0.582793	-1.017359	1.4214978
A_16_P18565264	9	16530406	16530465	238313	BNC2	1.507837	1.18444	-0.903947	2.0192504
A_16_P18565294	9	16538881	16538940	95191	BNC2	0.82555	0.5249	-1.604416	1.2484119
A_16_P18565314	9	16544068	16544127	194176	BNC2	1.693594	1.716898	-0.514425	2.205396
A_16_P18565339	9	16555150	16555209	8539	BNC2	1.92498	1.645371	-0.230602	2.5948324
A_16_P38662441	9	16564453	16564512	141453	BNC2	1.840279	1.563059	-0.377661	2.476665
A_16_P18565402	9	16573851	16573910	60898	BNC2	1.243189	0.90564	-1.047782	1.7845211
A_16_P18565423	9	16581045	16581104	224703	BNC2	1.137761	0.843859	-1.178769	1.5750062
A_16_P18565472	9	16595000	16595059	3552	BNC2	1.714456	1.364279	-0.618718	2.0728745
A_16_P18565496	9	16602378	16602437	166410	BNC2	1.254969	0.960705	-1.065724	1.624338
A_16_P18565541	9	16616448	16616507	7080	BNC2	2.119098	1.828988	0.149713	2.6057336
A_16_P18565588	9	16630519	16630578	37034	BNC2	1.79558	1.268832	-0.440686	2.2759318
A_16_P18565626	9	16641350	16641409	68396	BNC2	1.573125	1.106397	-0.727314	1.9036355
A_14_P121758	9	16650469	16650528	167694	BNC2	0.909321	0.640846	-1.119634	1.1003134
A_16_P18565688	9	16659895	16659954	14019	BNC2	0.886771	0.55684	-0.705742	1.9497616
A_16_P38662790	9	16666504	16666563	112538	BNC2	1.242325	0.935317	-0.917188	1.5163969
A_16_P18565749	9	16676616	16676675	207600	BNC2	1.138734	0.952596	-1.146585	1.4373474
A_16_P38662854	9	16684298	16684357	242681	BNC2	1.61272	1.354091	-0.47039	2.0609636
A_16_P18565795	9	16689996	16690055	222150	BNC2	1.423182	1.171421	-0.648525	1.888565
A_16_P02068951	9	16695200	16695259	221912	BNC2	2.102243	1.736075	0.158044	2.6095867
A_16_P18565833	9	16700275	16700334	195595	BNC2	1.329371	0.997558	-1.019875	1.8127248
A_16_P18565879	9	16712823	16712882	72845	BNC2	1.383475	1.177793	-0.783442	1.9985857
A_16_P38662989	9	16722960	16723019	77496	BNC2	1.662721	1.445469	-0.546133	1.9942524
A_16_P18565942	9	16732727	16732786	7835	BNC2	1.582231	1.195309	-0.492379	1.8973743
A_16_P02069052	9	16742992	16743051	35412	BNC2	1.918071	1.620541	-0.203012	2.513738
A_16_P38663085	9	16753706	16753765	209666	BNC2	1.656285	1.3056	-0.455054	2.1546645
A_16_P18566037	9	16763272	16763331	219578	BNC2	1.73311	1.370164	-0.361574	2.0966835
A_16_P38663135	9	16769373	16769432	75614	BNC2	1.199351	0.862512	-1.138776	1.3011106
A_16_P18566077	9	16776118	16776177	198087	BNC2	1.628785	1.359491	-0.431819	2.0019603
A_16_P38663200	9	16791008	16791067	146465	BNC2	1.707848	1.375941	-0.442726	2.24263
A_16_P02069161	9	16799362	16799421	160223	BNC2	1.542084	1.287388	-0.75502	1.9302608
A_16_P18566180	9	16808900	16808959	227717	BNC2	1.263744	0.926435	-1.131685	1.5249639
A_16_P18566193	9	16814095	16814154	232633	BNC2	1.589292	1.063286	-0.725095	1.8172772
A_14_P129982	9	16824893	16824952	115749	BNC2	1.521026	1.311698	-0.407807	2.062691
A_16_P02069223	9	16830222	16830281	71103	BNC2	1.987236	1.622001	-0.141362	2.6055143
A_16_P18566270	9	16837938	16837997	194194	BNC2	1.481771	1.108484	-0.711528	1.9518595
A_16_P38663370	9	16846821	16846880	19440	BNC2	1.501885	1.365529	-0.793813	1.8150605
A_16_P18566308	9	16855805	16855864	241993	BNC2	0.982283	0.704249	-1.590777	1.1632491
A_16_P18566336	9	16863222	16863281	222063	chr9:016863222-016863281	1.127035	0.970008	-1.029076	1.3134625
A_16_P38663426	9	16871779	16871838	129625	chr9:016871779-016871838	1.241918	0.852054	-1.137484	1.3884919
A_16_P18566379	9	16887519	16887578	58587	chr9:016887519-016887578	1.996367	1.624522	-0.149885	2.3544185
A_16_P18566432	9	16907771	16907830	219708	chr9:016907771-016907830	1.817577	1.408422	-0.31403	2.1750584
A_16_P18566486	9	16937288	16937347	206333	chr9:016937288-016937347	1.689463	0.852886	-0.153164	2.2615056
A_16_P18566536	9	16960736	16960795	5703	chr9:016960736-016960795	1.421228	1.024019	-0.775095	1.735863
A_16_P18566607	9	16990895	16990954	5657	chr9:016990895-016990954	1.766588	1.382733	-0.567045	2.1668665
A_14_P113415	9	17010094	17010153	185347	chr9:017010094-017010153	1.162047	0.927049	-1.002263	1.3654364
A_16_P02069498	9	17032766	17032825	204263	chr9:017032766-017032825	1.502125	1.199385	-0.800112	1.770095
A_16_P18566758	9	17047595	17047654	64517	chr9:017047595-017047654	1.582191	1.336671	-0.528007	2.1409225
A_16_P02069584	9	17084310	17084369	156287	chr9:017084310-017084369	1.79576	1.44143	-0.397161	2.0430448
A_16_P02069586	9	17098406	17098465	15385	chr9:017098406-017098465	1.614147	1.318634	-0.592077	1.9491315
A_16_P18566894	9	17111705	17111764	7960	chr9:017111705-017111764	1.923575	1.611094	-0.109225	2.421168
A_16_P18566917	9	17120821	17120880	97552	chr9:017120821-017120880	1.716385	1.321273	-0.545112	1.9099295
A_16_P18566932	9	17126231	17126290	66203	C9orf39	1.416363	1.106921	-0.749255	1.6218779
A_14_P111589	9	17133289	17133348	155837	C9orf39	1.396462	1.151787	-0.737167	1.5943186
A_16_P38664044	9	17147190	17147249	131542	C9orf39	1.230646	1.014572	-0.994969	1.5564402
A_16_P02069642	9	17152457	17152516	230008	C9orf39	1.388115	1.101509	-0.774215	1.615057
A_16_P02069649	9	17157590	17157649	159099	C9orf39	1.609918	1.298543	-0.571516	1.8852519
A_16_P18566986	9	17162718	17162777	91397	C9orf39	1.091772	0.840274	-1.115015	1.4296396
A_16_P38664091	9	17176326	17176385	207409	C9orf39	1.672992	1.214136	-0.784893	1.7316114
A_14_P139298	9	17185765	17185824	125963	C9orf39	1.405639	1.100412	-0.710295	1.774823
A_16_P18567027	9	17199790	17199849	110588	C9orf39	1.578938	1.191567	-0.896482	1.7528236
A_16_P18567042	9	17209597	17209656	124881	C9orf39	1.385569	1.161166	-0.820851	1.8328407
A_16_P38664134	9	17215015	17215074	85818	C9orf39	1.531099	1.154699	-0.6605	2.01692
A_14_P134003	9	17225697	17225756	131210	C9orf39	1.326782	1.055112	-0.800867	1.654019
A_16_P38664175	9	17228083	17228142	114565	C9orf39	1.271715	0.913317	-0.994606	1.4525639
A_16_P18567086	9	17260655	17260714	22843	C9orf39	1.271715	0.82097	-1.19398	1.4747422
A_16_P02069724	9	17269562	17269621	189774	C9orf39	1.662768	1.182676	-0.821793	1.8489871
A_16_P38664207	9	17285796	17285855	50875	C9orf39	0.840494	0.98135	-0.540271	1.7420504
A_14_P111571	9	17288850	17288909	84695	C9orf39	1.794403	1.456613	-0.465294	1.9714309
A_16_P02069743	9	17295984	17296043	99154	C9orf39	1.945118	1.424021	-0.388291	2.1035006
A_16_P18567171	9	17311219	17311278	198293	C9orf39	1.457193	1.118676	-0.719691	1.7690285
A_16_P18567208	9	17322539	17322598	313	C9orf39	1.276978	0.896327	-1.098112	1.4500172
A_14_P115836	9	17332315	17332374	62260	C9orf39	1.655495	1.131288	-0.729188	1.8963897

A_16_P18567248	9	17339596	17339655	227784	C9orf39	1.363033	0.893965	-1.039505	1.3881266
A_16_P18567264	9	17347695	17347754	60	C9orf39	0.727032	0.308227	-1.636911	0.9384129
A_16_P38664376	9	17354927	17354986	154403	C9orf39	1.341003	0.918533	-0.607148	1.9493388
A_16_P18567286	9	17369886	17369945	29806	C9orf39	1.40974	1.102097	-0.875945	1.6200153
A_16_P02069841	9	17378206	17378265	127031	C9orf39	1.016828	0.629922	-1.255929	1.2442434
A_16_P18567328	9	17384882	17384941	183641	C9orf39	0.692968	0.255811	-1.603899	0.7427997
A_16_P18567347	9	17392102	17392161	209963	C9orf39	1.43971	0.948379	-1.050294	1.5699292
A_16_P02069865	9	17399319	17399378	175843	C9orf39	1.50807	1.09781	-0.903668	1.8010889
A_16_P02069871	9	17405812	17405871	73622	C9orf39	1.183893	0.704399	-0.954148	1.4233189
A_16_P18567383	9	17414228	17414287	217467	C9orf39	1.258858	0.893317	-1.105447	1.6100659
A_16_P18567402	9	17423046	17423105	32343	C9orf39	1.240182	0.916213	-1.16366	1.3548088
A_16_P18567417	9	17429244	17429303	216036	C9orf39	1.13401	0.623576	-1.525031	1.2542477
A_16_P18567420	9	17434636	17434695	198028	C9orf39	1.550127	1.041667	-0.787595	1.6911377
A_16_P18567441	9	17441739	17441798	58588	C9orf39	1.607728	1.243033	-0.573273	1.9250462
A_16_P38664572	9	17447565	17447624	161179	C9orf39	1.662387	1.110612	-0.604898	1.9649405
A_14_P135776	9	17456848	17456907	80624	C9orf39	1.263367	0.85282	-1.093117	1.6573923
A_16_P02069966	9	17474422	17474481	158428	C9orf39	1.197882	0.787268	-1.213015	1.4792356
A_16_P38664669	9	17480845	17480904	239354	C9orf39	1.187909	0.737689	-0.319728	1.3318713
A_16_P18567569	9	17487706	17487765	166703	C9orf39	1.476111	0.967501	-0.984346	1.608735
A_14_P102486	9	17492885	17492944	37262	C9orf39	1.068788	0.643765	-1.95699	1.0789131
A_16_P38664718	9	17502109	17502168	128270	chr9:017502109-017502168	2.236022	1.584621	0.013235	2.6028776
A_16_P02070018	9	17511741	17511800	154695	chr9:017511741-017511800	1.691883	1.174838	-0.754318	1.6762595
A_16_P18567650	9	17523269	17523328	183417	chr9:017523269-017523328	1.774164	1.42999	-0.440513	2.093522
A_16_P38664803	9	17545943	17546002	151109	chr9:017545943-017546002	1.718321	1.165967	-0.441768	2.052836
A_16_P18567696	9	17554830	17554889	23340	chr9:017554830-017554889	1.677369	1.145176	-0.657995	1.7727178
A_14_P123391	9	17568661	17568717	183526	chr9:017568661-017568717	2.300771	1.585673	-0.159958	2.5322292
A_16_P18567778	9	17585185	17585244	187174	SH3GL2	2.003835	1.467329	-0.792153	2.1777258
A_16_P02070131	9	17595929	17595988	148263	SH3GL2	2.098919	1.745775	0.0446	2.4751856
A_16_P18567828	9	17601112	17601171	1557	SH3GL2	1.700533	1.226936	-0.532458	1.8605632
A_16_P18567849	9	17607645	17607704	203590	SH3GL2	1.74343	1.246303	-0.703877	1.9421014
A_14_P107438	9	17620872	17620931	124052	SH3GL2	1.457118	1.266453	-0.216414	1.596245
A_16_P18567909	9	17626610	17626669	228818	SH3GL2	1.809077	1.43349	-0.560952	1.980619
A_16_P18567931	9	17639657	17639716	125748	SH3GL2	1.371188	0.933528	-0.779987	1.5459335
A_16_P18567954	9	17646958	17647017	114636	SH3GL2	1.472335	1.074673	-0.963209	1.5267149
A_16_P38665092	9	17654330	17654389	92491	SH3GL2	1.564193	1.189457	-0.778687	1.506555
A_16_P18567997	9	17665345	17665404	154245	SH3GL2	1.318871	0.640528	-1.099342	1.4499025
A_16_P18568014	9	17677721	17677780	33383	SH3GL2	1.820885	1.087035	-0.681218	1.8298247
A_16_P02070273	9	17687863	17687922	152549	SH3GL2	1.989865	1.091878	-0.873194	1.7693835
A_14_P100445	9	17699065	17699124	14907	SH3GL2	1.557448	1.072493	-0.803032	1.7253771
A_16_P02070300	9	17710181	17710240	122830	SH3GL2	1.991616	1.67373	-0.094482	2.4493167
A_16_P02070324	9	17726642	17726701	232724	SH3GL2	1.60275	1.192546	-0.637594	1.9304787
A_16_P02070340	9	17735393	17735452	42041	SH3GL2	1.450415	1.063092	-1.018634	1.7528077
A_16_P18568176	9	17745851	17745910	112938	SH3GL2	1.424867	1.04924	-1.018852	1.6257445
A_14_P112252	9	17751453	17751511	112354	SH3GL2	1.987096	1.51861	-0.13825	2.2743497
A_16_P18568208	9	17756943	17757002	174589	SH3GL2	1.72443	1.120662	-0.981988	1.5867101
A_16_P02070391	9	17774371	17774430	112257	SH3GL2	1.787297	1.329285	-0.464419	2.0702395
A_14_P101372	9	17786669	17786728	41997	SH3GL2	1.557044	1.208953	-0.450842	2.0735831
A_16_P18568301	9	17792294	17792353	231567	chr9:017792294-017792353	1.862047	1.475785	-0.409518	2.2634304
A_16_P02070452	9	17806929	17806988	7250	chr9:017806929-017806988	1.434115	0.838472	-1.05633	1.3268324
A_16_P02070464	9	17818708	17818767	142924	chr9:017818708-017818767	2.045221	1.550905	-0.244346	2.2553744
A_14_P123124	9	17841059	17841118	129602	chr9:017841059-017841118	0.967011	0.191027	-1.607132	0.8882913
A_16_P18568486	9	17870008	17870067	196222	chr9:017870008-017870067	1.422215	1.098798	-0.880071	1.571761
A_16_P02070614	9	17920993	17921052	74264	chr9:017920993-017921052	1.803805	1.318181	-0.420706	1.636194
A_16_P18568676	9	17953821	17953880	106437	chr9:017953821-017953880	1.758695	1.27781	-0.438057	1.9483275
A_14_P117097	9	17975541	17975600	153919	chr9:017975541-017975600	1.412395	0.969226	-0.897077	1.3977351
A_16_P38665911	9	17995659	17995717	29675	chr9:017995659-017995717	2.043001	1.469544	-0.46125	2.3424332
A_16_P02070756	9	18024295	18024354	99642	chr9:018024295-018024354	2.030764	1.585227	-0.11533	2.4024947
A_16_P18568968	9	18063298	18063357	84637	chr9:018063298-018063357	1.481963	0.979177	-1.042694	1.4719615
A_16_P18569071	9	18101168	18101227	128434	chr9:018101168-018101227	1.981369	1.407495	-0.405066	2.1240299
A_16_P18569148	9	18124944	18125003	237899	chr9:018124944-018125003	2.193233	1.635753	-0.042869	2.2745104
A_16_P02070968	9	18146540	18146599	50745	chr9:018146540-018146599	1.476923	1.060497	-1.037992	1.6343251
A_14_P119503	9	18176747	18176806	203506	chr9:018176747-018176806	1.439292	1.051234	-0.857719	1.5505201
A_16_P02071104	9	18233672	18233731	205873	chr9:018233672-018233731	2.190215	1.866656	0.122292	2.539065
A_14_P129588	9	18278809	18278868	39062	chr9:018278809-018278868	2.143787	1.583149	0.074219	2.216376
A_16_P18569600	9	18316614	18316673	109181	chr9:018316614-018316673	1.686324	1.312939	-0.521816	1.7656524
A_16_P18569672	9	18341108	18341167	157417	chr9:018341108-018341167	1.897711	1.554656	-0.145412	2.0009801
A_16_P18569758	9	18368491	18368550	47311	chr9:018368491-018368550	1.631962	1.210897	-0.741569	1.7468604
A_14_P135045	9	18388255	18388314	188270	chr9:018388255-018388314	1.690636	1.235224	-0.31312	1.9955816
A_16_P02071385	9	18421312	18421371	22316	chr9:018421312-018421371	1.878696	1.337944	-0.577442	1.8906637
A_16_P02071414	9	18436209	18436268	37553	chr9:018436209-018436268	1.80813	1.416442	-0.461272	2.0040555
A_16_P18569994	9	18456806	18456865	229457	chr9:018456806-018456865	1.631487	1.170631	-0.572062	1.8098726
A_14_P121984	9	18464451	18464510	226321	ADAMTSL1	1.531063	1.153483	-0.467612	1.8230901
A_16_P38667161	9	18471849	18471908	231432	ADAMTSL1	1.476277	1.051874	-0.833216	1.6049147

A_16_P02071496	9	18478203	18478262	63163	ADAMTSL1	2.050314	1.559984	-0.146448	2.153843
A_16_P02071509	9	18484555	18484614	178702	ADAMTSL1	2.024924	1.662703	-0.037434	2.3456795
A_16_P02071522	9	18490344	18490403	149683	ADAMTSL1	1.81647	1.304552	-0.518525	1.8649359
A_16_P18570150	9	18505917	18505976	136448	ADAMTSL1	1.987328	1.483709	-0.19047	2.2209797
A_14_P124537	9	18523248	18523307	94830	ADAMTSL1	1.067573	0.61846	-1.041219	1.2682495
A_16_P18570203	9	18528550	18528609	204923	ADAMTSL1	1.673972	1.161244	-0.461115	1.8921157
A_16_P38667338	9	18535670	18535729	233804	ADAMTSL1	1.291906	0.709794	-1.185603	1.2496656
A_16_P02071600	9	18544519	18544578	237025	ADAMTSL1	2.313786	1.723671	0.131076	2.503267
A_16_P18570260	9	18559352	18559411	223843	ADAMTSL1	1.905356	1.379506	-0.349591	2.0527024
A_14_P116569	9	18564217	18564273	163723	ADAMTSL1	1.618899	1.102012	-0.548051	1.6641362
A_16_P38667411	9	18575192	18575251	194313	ADAMTSL1	0.943333	0.465532	-1.627299	-1.057446
A_16_P02071648	9	18590944	18591003	58305	ADAMTSL1	1.829153	1.41346	-0.462719	0.36266607
A_16_P18570353	9	18601611	18601670	14397	ADAMTSL1	1.785289	1.307899	-0.571153	0.026564062
A_16_P185701691	9	18613705	18613764	20735	ADAMTSL1	2.051129	1.537446	-0.262118	0.3481142
A_14_P121190	9	18629234	18629284	77631	ADAMTSL1	1.63231	1.216493	-0.570923	-0.059163272
A_16_P02071731	9	18644753	18644812	144120	ADAMTSL1	1.678062	1.260103	-0.623863	0.08462706
A_16_P18570466	9	18649920	18649979	148549	ADAMTSL1	0.96667	0.466954	-1.304851	-0.8538604
A_16_P18570489	9	18656044	18656103	183638	ADAMTSL1	1.793699	1.333706	-0.586043	0.03987904
A_16_P02071778	9	18665838	18665894	172745	ADAMTSL1	1.115322	0.584431	-1.366328	-0.500721
A_14_P132270	9	18671030	18671089	48940	ADAMTSL1	1.493621	1.261454	-0.896138	-0.3851515
A_16_P02071810	9	18680838	18680897	172904	ADAMTSL1	1.465701	1.041537	-0.846683	-0.15927774
A_16_P18570588	9	18689102	18689161	171777	ADAMTSL1	1.353237	1.016744	-0.896296	-0.5603595
A_16_P18570620	9	18698744	18698803	179953	ADAMTSL1	2.056569	1.605209	-0.20714	0.21976295
A_16_P02071852	9	18711114	18711173	50479	ADAMTSL1	2.485197	1.982309	0.378717	0.96404487
A_16_P38667799	9	18720047	18720106	153514	chr9:018720047-018720106	1.444679	1.145831	-0.978272	-0.2698846
A_14_P124587	9	18733237	18733296	78880	chr9:018733237-018733296	2.113657	1.712086	0.317865	0.57071275
A_16_P18570741	9	18742827	18742886	207629	chr9:018742827-018742886	1.394303	0.910495	-1.237463	-0.58269805
A_16_P18570796	9	18761843	18761902	25765	chr9:018761843-018761902	1.649701	1.23686	-0.610109	0.021306187
A_16_P02071999	9	18786432	18786491	132045	BX640951	2.061436	1.532007	-0.21303	0.31616578
A_16_P18570896	9	18794148	18794207	219335	BX640951	1.019116	0.461722	-1.29606	-0.7719669
A_16_P18570928	9	18810734	18810793	72922	BX640951	1.819228	1.21985	-0.542832	0.088880986
A_16_P18570955	9	18819330	18819388	21340	C9orf94	1.92941	1.544814	-0.351564	0.287736
A_14_P118808	9	18828925	18828984	9493	C9orf94	1.58842	1.266398	-0.570946	-0.05268556
A_16_P18570974	9	18835229	18835273	66679	C9orf94	1.971413	1.539922	-0.171899	0.4999016
A_16_P02072071	9	18841087	18841146	123897	C9orf94	1.407018	1.002651	-1.028565	-0.46046627
A_16_P18571012	9	18846901	18846960	129079	C9orf94	1.767788	1.560678	-0.569471	0.25999323
A_16_P38668156	9	18852547	18852606	181534	C9orf94	2.185112	1.636001	-0.374811	0.1795044
A_16_P38668175	9	18860912	18860971	188814	C9orf94	1.699295	1.289481	-0.562276	-0.18560448
A_16_P38668186	9	18872220	18872279	61366	C9orf94	2.148778	1.821823	0.105246	0.49982575
A_14_P129080	9	18882921	18882980	14660	C9orf94	1.869662	1.563742	-0.185498	0.3108437
A_16_P02072136	9	18899604	18899663	87616	BX640951	1.75164	1.565173	-0.525865	-0.07115489
A_16_P02072153	9	18906666	18906725	132997	chr9:018906666-018906725	2.322921	1.925613	0.122726	0.764797
A_16_P02072177	9	18917948	18918007	227368	C9orf138	1.109308	0.645863	-1.683804	-0.857195
A_16_P02072184	9	18926518	18926577	134035	C9orf138	1.594249	1.169419	-0.742441	-0.073523074
A_16_P38668338	9	18931715	18931773	223670	C9orf138	2.079475	1.97127	0.136775	0.8044988
A_14_P100522	9	18940859	18940918	44298	C9orf138	2.376985	1.695413	0.189571	0.57352436
A_16_P18571241	9	18947155	18947214	2195	C9orf138	1.863869	1.374598	-0.431022	0.1716492
A_16_P18571266	9	18961536	18961595	151025	C9orf138	1.093023	0.63215	-1.462603	-0.6083034
A_16_P18571306	9	18972720	18972779	32652	C9orf138	1.664751	1.183914	-1.068673	-0.23464096
A_14_P130412	9	18983768	18983827	195984	C9orf138	1.05238	0.577242	-0.89956	-0.5718142
A_16_P02072288	9	18999711	18999770	54312	C9orf138	1.616835	1.120433	-0.65164	-0.12625954
A_14_P106917	9	19012646	19012705	155379	C9orf138	1.538602	1.426755	-0.55677	0.031876966
A_16_P02072337	9	19025007	19025066	158949	chr9:019025007-019025066	2.26297	1.806404	0.20464	0.792793
A_16_P02072339	9	19029291	19029350	194642	chr9:019029291-019029350	1.546651	1.193717	-0.595508	-0.16818067
A_16_P18571437	9	19034310	19034369	240058	chr9:019034310-019034369	1.132517	0.465868	-1.34244	-0.9673606
A_14_P102520	9	19040855	19040914	203529	RRAGA	1.95522	1.555775	-0.265078	0.18325093
A_14_P110216	9	19047618	19047677	28460	FAM29A	1.585168	1.352291	-0.268614	0.12530018
A_14_P100674	9	19047891	19047950	150892	FAM29A	1.298707	1.014381	-1.122542	-0.53985065
A_16_P18571487	9	19051850	19051908	210961	FAM29A	1.587985	1.253738	-0.645107	-0.06819007
A_16_P18571500	9	19056516	19056575	129590	FAM29A	1.897473	1.402298	-0.346979	0.26816496
A_16_P18571532	9	19070660	19070719	160828	FAM29A	1.692061	1.204182	-0.473536	0.095166676
A_16_P38668707	9	19079530	19079589	129712	FAM29A	1.840824	1.545811	-0.178946	0.4528521
A_14_P106258	9	19086648	19086707	196653	FAM29A	0.885024	0.57899	-0.697457	-0.28168866
A_14_P106258	9	19086648	19086707	208174	FAM29A	0.996681	0.550553	-0.742502	-0.31050897
A_14_P106258	9	19086648	19086707	80217	FAM29A	0.946927	0.54161	-0.664781	-0.47278905
A_16_P18571586	9	19092035	19092094	176769	FAM29A	1.477689	1.028882	-0.095731	-0.5881165
A_16_P18571602	9	19102187	19102246	169121	chr9:019102187-019102246	2.193566	1.656722	-0.054033	0.56154406
A_16_P02072427	9	19105743	19105802	359	ADFP	1.749788	1.318598	-0.454104	-0.21239942
A_14_P118582	9	19110377	19110436	12890	ADFP	1.413225	1.032755	-0.9561	-0.45520288
A_16_P18571642	9	19116423	19116482	196213	ADFP	2.235398	1.305144	0.015822	-0.1818563
A_16_P18571663	9	19127495	19127554	146191	AKO94196	2.59103	2.000003	0.456385	0.97666305
A_16_P38668843	9	19133230	19133289	168743	AKO94196	2.490877	2.074184	0.621042	0.73341066
A_16_P02072469	9	19139589	19139648	212647	chr9:019139589-019139648	2.754432	2.255894	0.765749	1.1624033

A_16_P18571716	9	19148673	19148732	183415	chr9:019148673-019148732	2.000287	1.517983	-0.076325	0.31470102
A_16_P18571736	9	19166158	19166217	114250	chr9:019166158-019166217	2.152648	1.792177	0.097341	0.51438856
A_14_P105692	9	19203822	19203881	223994	chr9:019203822-019203881	1.324173	0.828787	-1.078705	-0.58593285
A_16_P38668997	9	19218097	19218156	126458	chr9:019218097-019218156	2.149806	1.824787	0.167336	0.51665586
A_16_P18571866	9	19243055	19243114	146015	chr9:019243055-019243114	1.379767	1.022746	-0.878768	-0.32585967
A_16_P18571880	9	19266977	19267036	112100	chr9:019266977-019267036	2.479798	1.582164	-0.167124	0.6965403
A_16_P18571891	9	19273910	19273969	120432	chr9:019273910-019273969	1.970351	1.692643	-0.057586	0.43354473
A_16_P38669075	9	19280555	19280614	9673	AK000693	1.692364	1.271439	-0.662729	-0.006619826
A_14_P103673	9	19286099	19286158	186002	DENND4C	1.203852	0.605505	-0.881295	-0.27077827
A_16_P18571946	9	19295428	19295487	40361	DENND4C	2.038843	1.678381	-0.048066	0.65472376
A_16_P18571955	9	19301448	19301507	176826	DENND4C	2.138884	1.710264	0.019474	0.55534554
A_14_P108728	9	19314347	19314406	55249	DENND4C	1.722149	1.440669	-0.149254	0.272707
A_16_P02072630	9	19322152	19322211	137305	DENND4C	0.957348	0.641346	-1.099387	-0.7759585
A_16_P02072641	9	19331009	19331067	233866	DENND4C	1.685358	1.289225	-0.399895	-0.059785426
A_16_P18572049	9	19342116	19342175	56447	DENND4C	1.486725	1.118294	-0.612751	-0.15617329
A_14_P101924	9	19347623	19347682	16901	DENND4C	0.508655	0.363486	-1.781575	-1.0682849
A_16_P02072676	9	19358483	19358542	59667	DENND4C	1.801421	1.367332	-0.241725	0.05281596
A_16_P18572091	9	19362057	19362116	111461	DENND4C	1.801017	1.494175	-0.458204	0.322414
A_14_P135698	9	19368480	19368539	227894	RPS6	0.830505	0.68098	0.182662	0.5421772
A_16_P18572137	9	19378267	19378326	12313	chr9:019378267-019378326	1.971464	1.344947	-0.416114	0.28747267
A_14_P202313	9	19386608	19386667	167746	chr9:019386608-019386667	1.383627	1.180733	-0.40625	0.070155516
A_16_P18572154	9	19391873	19391932	112205	AF370405	1.651549	1.207796	-0.454144	0.03472449
A_16_P18572166	9	19397100	19397159	34347	AF370405	1.628273	1.179339	-0.515346	-0.15796724
A_16_P18572214	9	19415150	19415209	197582	ASAH3L	1.701105	1.297488	-0.422911	0.09465938
A_16_P18572234	9	19422134	19422193	132070	ASAH3L	1.780625	1.465433	-0.320285	0.20506357
A_16_P02072777	9	19431347	19431405	55446	ASAH3L	1.860332	1.317428	-0.41065	0.21032268
A_16_P18572273	9	19438615	19438674	103727	ASAH3L	1.517738	1.170783	-0.681332	-0.2339687
A_16_P38669523	9	19448798	19448857	171591	chr9:019448798-019448857	1.482608	1.06943	-0.667623	-0.21533087
A_16_P18572339	9	19460403	19460462	214792	chr9:019460403-019460462	1.865693	1.516402	-0.524146	0.26343012
A_16_P02072835	9	19470278	19470337	87325	chr9:019470278-019470337	1.971601	1.437295	-0.536471	0.244591
A_16_P02072864	9	19487546	19487605	166156	chr9:019487546-019487605	2.320666	1.922328	0.227071	0.8445951
A_14_P105218	9	19501524	19501583	157387	AK127092	1.716075	1.346017	-0.419307	0.20375901
A_16_P38669690	9	19511081	19511140	136661	SLC24A2	1.951511	1.490402	-0.279056	0.23651603
A_16_P38669722	9	19523171	19523230	107999	SLC24A2	0.824338	0.486716	-1.650942	-0.9394195
A_14_P110734	9	19540125	19540179	142870	SLC24A2	1.893332	1.585985	-0.158102	0.29117253
A_16_P18572532	9	19545983	19546042	127851	SLC24A2	1.689732	1.30218	-0.505581	0.082555
A_16_P18572562	9	19554273	19554332	109496	SLC24A2	1.462951	1.152868	-0.693813	-0.22975317
A_16_P18572587	9	19566468	19566527	65640	SLC24A2	1.94908	1.416178	-0.314903	0.18465081
A_16_P18572622	9	19577317	19577376	81527	SLC24A2	1.590387	1.246557	-0.682955	-0.1159834
A_14_P115404	9	19587233	19587292	160098	SLC24A2	1.633972	1.09248	-0.549883	-0.20366693
A_16_P18572673	9	19593559	19593618	215211	SLC24A2	2.242058	1.820908	0.167201	0.8454897
A_16_P02073048	9	19605204	19605263	176861	SLC24A2	1.849439	1.401472	-0.392428	0.09208227
A_16_P02073066	9	19612892	19612951	170143	SLC24A2	1.80103	1.451939	-0.362784	0.2083503
A_16_P18572760	9	19620553	19620612	128690	SLC24A2	0.913742	0.781416	-1.383814	-0.8172617
A_16_P18572784	9	19628418	19628477	22785	SLC24A2	1.565113	1.172838	-0.418452	-0.07204682
A_14_P100009	9	19636699	19636758	18574	SLC24A2	1.927296	1.641791	-0.317515	0.43326813
A_16_P18572857	9	19651342	19651401	13592	SLC24A2	1.771227	1.432386	-0.503548	-0.018787026
A_16_P02073152	9	19658116	19658175	68763	SLC24A2	1.986369	1.530771	-0.353389	0.29356837
A_16_P02073160	9	19668794	19668853	216028	SLC24A2	1.559032	1.111796	-0.78558	-0.0586738
A_16_P38670133	9	19677387	19677446	42893	SLC24A2	1.687029	1.113815	-0.638896	-0.021021381
A_16_P18572947	9	19690843	19690902	183562	SLC24A2	1.555612	1.186469	-0.71146	-0.3848495
A_16_P18572974	9	19703883	19703942	38592	SLC24A2	1.414832	0.948854	-0.790651	-0.24326432
A_14_P116599	9	19716199	19716258	113352	SLC24A2	1.913577	1.491633	-0.272825	0.39924568
A_16_P38670267	9	19732116	19732175	123959	SLC24A2	1.660456	1.045586	-0.912998	-0.09865832
A_16_P02073267	9	19738331	19738390	19063	SLC24A2	1.745068	1.431696	-0.387469	0.35555977
A_16_P18573093	9	19746132	19746191	198368	SLC24A2	2.166642	1.654866	-0.20319	0.5167352
A_16_P02073293	9	19760116	19760175	106775	SLC24A2	2.043131	1.469833	-0.102173	0.30621234
A_16_P18573134	9	19768036	19768095	133914	SLC24A2	1.739642	1.307676	-0.535721	-0.020300955
A_14_P137232	9	19775974	19776033	171216	SLC24A2	1.417015	0.854912	-0.906704	-0.33103412
A_16_P02073334	9	19783547	19783606	39552	chr9:019783547-019783606	2.085589	1.549155	-0.051507	0.50365365
A_14_P109715	9	19804638	19804697	175382	chr9:019804638-019804697	1.488796	1.101884	-0.686839	-0.003347054
A_16_P18573280	9	19822387	19822446	85646	chr9:019822387-019822446	1.707625	1.251732	-0.699427	-0.041546524
A_16_P18573303	9	19846967	19847026	80982	chr9:019846967-019847026	1.708269	1.330182	-0.309128	0.30355743
A_16_P38670525	9	19863894	19863953	178137	chr9:019863894-019863953	1.686982	1.260985	-0.690612	-0.019849211
A_16_P18573353	9	19882574	19882633	116458	chr9:019882574-019882633	1.918489	1.508644	-0.291405	0.4312942
A_16_P02073446	9	19892639	19892698	242460	chr9:019892639-019892698	1.93924	1.50555	-0.29513	0.2650428
A_14_P115522	9	19908661	19908720	59315	chr9:019908661-019908720	2.400322	1.873131	0.102318	0.98238325
A_16_P18573439	9	19917491	19917550	108640	AK123856	1.729974	1.25858	-0.704491	-0.054856956
A_16_P02073517	9	19934911	19934970	122105	chr9:019934911-019934970	1.930387	1.490508	-0.363953	0.33033136
A_16_P18573550	9	19956040	19956099	212504	chr9:019956040-019956099	1.163447	0.867526	-0.904662	-0.37089437
A_16_P02073591	9	19983767	19983826	46581	chr9:019983767-019983826	2.247073	1.452393	0.09009	0.43820897
A_16_P18573671	9	19997631	19997690	98521	chr9:019997631-019997690	1.43455	0.932747	-0.863991	-0.53154355
A_16_P18573694	9	20011931	20011990	170066	chr9:020011931-020011990	2.045921	1.606053	-0.336955	0.39742407

A_16_P18573772	9	20038412	20038471	55451	chr9:020038412-020038471	1.174083	0.843249	-1.231257	-0.5686737
A_16_P38671024	9	20056456	20056515	101671	chr9:020056456-020056515	1.571351	1.118171	-0.658573	0.00972487
A_16_P18573863	9	20086935	20086994	211747	chr9:020086935-020086994	2.001985	1.606749	-0.142574	0.28741357
A_14_P119246	9	20111574	20111633	122717	chr9:020111574-020111633	1.745826	1.372279	-0.661509	0.18299508
A_16_P38671217	9	20141095	20141154	134808	chr9:020141095-020141154	1.702195	1.332999	-0.523863	0.27079085
A_16_P18574029	9	20166373	20166432	167011	chr9:020166373-020166432	1.375517	0.895719	-0.515347	-0.37469953
A_16_P38671295	9	20185733	20185792	118888	chr9:020185733-020185792	1.256318	1.371151	-0.620823	0.12531693
A_14_P131247	9	20208937	20208996	185302	chr9:020208937-020208996	1.31709	1.440525	-0.28717	0.06512733
A_16_P18574219	9	20240034	20240093	79828	chr9:020240034-020240093	1.120728	1.226573	-0.830347	-0.19870323
A_16_P18574262	9	20256431	20256490	39556	chr9:020256431-020256490	1.336932	1.321112	-0.678702	0.17744526
A_16_P02074000	9	20280211	20280270	213834	chr9:020280211-020280270	1.302141	1.254571	-0.642729	-0.0842334
A_14_P127715	9	20300511	20300570	239481	chr9:020300511-020300570	1.185113	1.13354	-0.848366	-0.066076815
A_16_P02074059	9	20315891	20315950	125219	chr9:020315891-020315950	1.61549	1.604783	-0.29133	0.47975785
A_16_P02074082	9	20330625	20330684	220963	chr9:020330625-020330684	1.736243	1.710267	-0.110688	0.62274194
A_14_P116482	9	20336094	20336153	119225	MLLT3	1.532257	1.559629	-0.058571	0.51150185
A_16_P18574503	9	20344847	20344906	137085	MLLT3	0.934209	1.023436	-0.831778	-0.20730722
A_16_P18574541	9	20355615	20355674	76301	MLLT3	0.929374	1.082923	-0.736835	-0.21754444
A_16_P18574576	9	20368553	20368612	206255	MLLT3	0.868818	0.89284	-1.239477	-0.44629037
A_16_P18574600	9	20375331	20375390	50662	MLLT3	1.013267	1.041198	-0.721603	-0.23501533
A_16_P18574616	9	20380635	20380694	59561	MLLT3	0.914799	0.910675	-0.731965	-0.14843741
A_16_P18574644	9	20389192	20389251	60738	MLLT3	1.135518	1.193218	-0.613787	-0.03790261
A_16_P18574667	9	20397053	20397112	186411	MLLT3	1.045165	1.199058	-0.436169	-0.04458995
A_16_P02074234	9	20403689	20403748	201779	MLLT3	1.32464	1.430898	-0.502533	0.3390351
A_16_P38671947	9	20412504	20412563	193723	MLLT3	1.366712	1.351252	-0.438075	0.13574612
A_16_P38671976	9	20426175	20426234	154162	MLLT3	1.279938	1.239501	-0.725773	-0.18745747
A_16_P02074283	9	20431890	20431949	89826	MLLT3	0.914206	1.15413	-0.724434	-0.29920685
A_16_P18574791	9	20437302	20437361	224646	MLLT3	1.391279	1.404934	-0.268446	0.29543567
A_14_P126758	9	20446703	20446762	142545	MLLT3	1.121315	1.202226	-0.556634	0.065847576
A_16_P38672099	9	20460847	20460906	121421	MLLT3	1.070179	1.132344	-0.635971	-0.09286156
A_16_P02074356	9	20467426	20467485	189269	MLLT3	1.235694	1.371717	-0.53028	0.0204961
A_16_P38672158	9	20477253	20477312	61630	MLLT3	1.300887	1.207524	-0.708826	0.058502734
A_16_P18574951	9	20484667	20484726	88790	MLLT3	0.642762	0.590072	-1.094466	-0.56346756
A_16_P18574990	9	20499690	20499749	203019	MLLT3	1.142066	1.350822	-0.410918	0.048344985
A_16_P18574990	9	20499690	20499749	210389	MLLT3	1.195545	1.229347	-0.366013	0.22119483
A_16_P18574990	9	20499690	20499749	137084	MLLT3	1.120401	1.193357	-0.514584	0.109004326
A_14_P111169	9	20510469	20510528	89776	MLLT3	1.06789	1.144135	-0.686881	-0.025756955
A_16_P38672255	9	20517084	20517143	50770	MLLT3	1.12089	1.276636	-0.761071	-0.20421886
A_16_P38672276	9	20524440	20524499	228298	MLLT3	0.886919	1.110477	-0.794677	-0.2120423
A_16_P02074465	9	20538249	20538308	95954	MLLT3	1.248722	1.312708	-0.519128	0.18512537
A_16_P02074485	9	20548744	20548803	76484	MLLT3	0.609201	0.789896	-1.259081	-0.73139846
A_16_P18575125	9	20555549	20555608	132842	MLLT3	1.127953	1.285045	-0.657348	-0.032426447
A_16_P18575142	9	20560760	20560819	166580	MLLT3	1.204507	0.87701	-0.488841	0.07211469
A_16_P18575150	9	20567062	20567121	209000	MLLT3	1.138282	1.260123	-0.643089	-0.10237238
A_16_P02074528	9	20576632	20576691	31874	MLLT3	1.532906	1.631956	-0.125849	0.30825055
A_16_P38672414	9	20582077	20582136	30153	MLLT3	1.404189	1.630823	-0.213726	0.43560302
A_16_P02074545	9	20589560	20589619	142952	MLLT3	1.282329	1.38246	-0.261736	0.3905457
A_16_P18575216	9	20595923	20595982	197197	MLLT3	0.956727	0.928113	-0.778899	-0.1093303
A_14_P108723	9	20607752	20607811	45370	MLLT3	0.883787	1.088523	-0.575319	-0.15850797
A_16_P18575288	9	20617643	20617702	59157	chr9:020617643-020617702	0.87515	1.027278	-0.825692	-0.42087585
A_16_P02074616	9	20626167	20626226	182279	chr9:020626167-020626226	1.465675	1.515083	-0.134431	0.2826069
A_16_P02074624	9	20632374	20632433	219139	chr9:020632374-020632433	1.638272	1.688089	0.031063	0.6004497
A_14_P125380	9	20640349	20640408	38963	chr9:020640349-020640408	1.508515	1.498886	-0.072703	0.46100697
A_16_P02074643	9	20653398	20653457	8264	KIAA1797	1.416634	1.501327	-0.043811	0.47712275
A_16_P18575383	9	20661715	20661774	139192	KIAA1797	1.118733	1.189006	-0.505241	-0.10310978
A_16_P18575402	9	20669665	20669724	227641	KIAA1797	1.0661	1.251526	-0.571843	-0.010337576
A_16_P18575428	9	20677769	20677828	240886	KIAA1797	1.067447	1.250672	-0.666254	0.21360604
A_14_P113345	9	20684462	20684521	148233	KIAA1797	0.884145	1.12371	-0.724512	-0.13963434
A_16_P38672684	9	20688242	20688301	28605	KIAA1797	1.412961	1.535297	-0.133108	0.39176625
A_16_P02074700	9	20691786	20691845	192472	KIAA1797	0.988864	1.07246	-0.943102	-0.42941803
A_16_P38672704	9	20694720	20694779	120670	KIAA1797	1.051955	1.00308	-0.900316	-0.5969475
A_16_P38672717	9	20699329	20699388	184395	KIAA1797	1.048898	1.184685	-0.799888	-0.19047108
A_16_P02074722	9	20705351	20705410	106066	KIAA1797	0.972475	0.960176	-0.614209	-0.12795657
A_16_P18575502	9	20707840	20707899	201479	KIAA1797	1.10569	1.246942	-0.749313	-0.095431
A_16_P38672751	9	20710169	20710228	19242	KIAA1797	1.47073	1.552881	-0.356263	0.33757436
A_16_P18575518	9	20712951	20713010	126	KIAA1797	0.591733	0.475548	-1.084565	-0.9839622
A_16_P02074743	9	20715601	20715660	94626	KIAA1797	1.640849	1.793174	0.100321	0.59635293
A_16_P38672779	9	20718837	20718896	74633	KIAA1797	1.487009	1.564107	0.014619	0.5216461
A_16_P18575546	9	20723152	20723211	161711	KIAA1797	0.596184	0.832702	-1.215707	-0.56140846
A_16_P38672794	9	20726049	20726108	115876	KIAA1797	0.747251	1.024178	-1.05721	-0.5029546
A_16_P18575563	9	20729126	20729185	86122	KIAA1797	1.347331	1.548976	-0.038047	0.5305647
A_16_P02074776	9	20734048	20734107	52272	KIAA1797	1.525743	1.736989	0.00372	0.42992395
A_16_P18575596	9	20739288	20739347	90986	KIAA1797	0.933963	1.034991	-0.863794	-0.4855067
A_16_P18575615	9	20748052	20748111	9892	KIAA1797	1.016529	1.067315	-0.661295	-0.13955858

A_16_P02074808	9	20754842	20754901	131812	KIAA1797	1.591165	1.581415	-0.206704	0.35128635
A_16_P18575651	9	20763148	20763207	138315	KIAA1797	0.837431	0.922275	-0.994616	-0.46054304
A_14_P116892	9	20768714	20768773	54583	KIAA1797	0.469149	0.497331	-0.797784	-0.5883553
A_16_P38672960	9	20783497	20783556	44509	KIAA1797	0.915594	1.014847	-0.994717	-0.42009056
A_16_P02074881	9	20798129	20798188	69398	KIAA1797	1.534636	1.679181	-0.062091	0.4678895
A_14_P113538	9	20810273	20810332	918	KIAA1797	1.214392	1.20651	-0.956676	0.027853593
A_16_P18575807	9	20823666	20823725	214340	KIAA1797	1.279301	1.483308	-0.333849	0.30166695
A_16_P18575821	9	20829579	20829638	89719	KIAA1797	0.947962	0.99972	-0.465535	0.0831605
A_16_P02074936	9	20836666	20836725	11482	KIAA1797	1.557349	1.582285	-0.140099	0.465466
A_16_P02074946	9	20843789	20843848	124200	KIAA1797	1.186374	1.253676	-0.408813	0.19330247
A_16_P02074955	9	20852647	20852706	61835	KIAA1797	0.76346	0.81609	-1.199793	-0.3475839
A_16_P18575886	9	20859484	20859543	90417	KIAA1797	1.07282	1.193998	-0.565674	-0.13145721
A_14_P115355	9	20864659	20864718	86558	KIAA1797	0.895209	1.044008	-0.84837	-0.28339434
A_16_P38673159	9	20871870	20871926	236666	KIAA1797	0.838024	0.653432	-1.406186	-0.6285058
A_16_P18575935	9	20883453	20883512	17743	KIAA1797	0.791196	0.765848	-1.093099	-0.47777104
A_16_P18575947	9	20892540	20892599	79657	KIAA1797	1.216969	1.191244	-0.636155	0.002112284
A_16_P38673235	9	20906836	20906895	185658	KIAA1797	1.188901	1.179972	-0.853411	-0.124509424
A_16_P18576005	9	20913769	20913828	187855	KIAA1797	1.293191	1.346713	-0.402363	0.09873293
A_16_P18576032	9	20922979	20923038	100568	KIAA1797	1.170541	1.164845	-0.592396	-0.06363633
A_16_P02075081	9	20936612	20936671	159689	KIAA1797	1.352278	1.294812	-0.487033	0.20786816
A_14_P132615	9	20943032	20943091	33923	KIAA1797	0.51606	0.51887	-1.088567	-0.63423467
A_16_P18576117	9	20954440	20954499	187532	KIAA1797	1.323769	1.454836	-0.345546	0.38722262
A_16_P38673378	9	20961336	20961395	10541	KIAA1797	0.983326	1.030336	-0.609264	-0.05362931
A_16_P18576138	9	20967887	20967946	42760	KIAA1797	1.127519	1.118215	-0.882862	-0.31512523
A_16_P38673425	9	20978259	20978318	153590	KIAA1797	1.170042	1.263056	-0.681591	-0.014869988
A_16_P38673449	9	20983329	20983388	63000	KIAA1797	1.890491	1.948273	0.522986	0.73022914
A_14_P106161	9	20992866	20992925	243000	BC114215	0.446661	0.393435	-1.548568	-0.97551084
A_16_P38673493	9	20998145	20998204	235583	PTPLAD2	1.363859	1.345564	-0.490709	0.08697092
A_16_P02075190	9	21008062	21008121	178969	PTPLAD2	1.136658	1.248621	-0.573371	-0.02258335
A_16_P38673538	9	21014358	21014417	11899	PTPLAD2	1.007373	1.012911	-0.790764	-0.16072851
A_16_P02075208	9	21019271	21019330	60202	PTPLAD2	0.912019	0.94137	-1.010902	-0.23930225
A_16_P02075223	9	21026673	21026732	58750	chr9:021026673-021026732	1.520047	1.573711	-0.110441	0.57337844
A_16_P18576334	9	21036758	21036817	41056	chr9:021036758-021036817	1.541655	1.418859	-0.319546	0.3383621
A_16_P18576354	9	21044957	21045016	223163	chr9:021044957-021045016	1.522575	1.408334	-0.385073	0.31775895
A_16_P02075267	9	21055167	21055226	172746	chr9:021055167-021055226	0.927216	0.884012	-1.077626	-0.3668434
A_14_P124911	9	21067574	21067633	52386	IFNB1	1.220473	1.10016	-0.696969	-0.19829091
A_16_P18576437	9	21072470	21072529	66444	chr9:021072470-021072529	1.170784	1.21706	-0.631112	-0.026390016
A_16_P38673724	9	21083730	21083789	138538	chr9:021083730-021083789	1.048406	1.0235	-0.78881	-0.06133175
A_14_P102024	9	21095075	21095134	235108	chr9:021095075-021095134	0.469369	0.45564	-0.688238	-0.4210958
A_16_P18576490	9	21106004	21106063	196808	chr9:021106004-021106063	0.720218	0.700029	-1.325105	-0.43824935
A_16_P18576505	9	21114816	21114875	189734	chr9:021114816-021114875	0.684547	0.691761	-1.233083	-0.8534305
A_16_P02075344	9	21123314	21123373	14389	chr9:021123314-021123373	1.51785	1.480906	-0.340271	0.5057061
A_14_P129669	9	21130864	21130923	74894	IFNW1	1.14296	1.175382	-0.487809	0.005260468
A_14_P131521	9	21131868	21131927	108702	IFNW1	0.305651	0.390731	-1.617105	-0.7595174
A_16_P02075362	9	21135206	21135265	169965	chr9:021135206-021135265	1.298087	1.222305	-0.586056	0.14393406
A_16_P38673845	9	21140819	21140878	85135	chr9:021140819-021140878	1.539137	1.517804	-0.518761	0.12095327
A_16_P18576575	9	21149331	21149390	54502	chr9:021149331-021149390	0.630381	1.174096	-0.468162	-0.34648895
A_14_P136897	9	21154498	21154557	183346	chr9:021154498-021154557	1.186028	1.290164	-0.615655	-0.021104217
A_16_P38673886	9	21158189	21158248	29479	chr9:021158189-021158248	0.959994	1.045484	-0.94212	-0.38815928
A_16_P38673894	9	21164435	21164494	107048	chr9:021164435-021164494	1.07097	1.098808	-0.789589	-0.08641276
A_14_P105962	9	21168022	21168081	78682	chr9:021168022-021168081	0.833662	0.957901	-0.986198	-0.36640185
A_16_P18576616	9	21169241	21169288	40017	chr9:021169241-021169288	0.325125	0.710876	-1.157068	-0.7634556
A_16_P02075399	9	21179604	21179663	136410	chr9:021179604-021179663	0.733674	0.800057	-1.337937	-0.5564321
A_16_P38673935	9	21186354	21186413	43812	chr9:021186354-021186413	1.072229	1.211017	-1.109269	-0.13023788
A_16_P02075405	9	21193565	21193614	128680	IFNA14	0.836589	1.084577	-1.044271	-0.5006732
A_16_P38673975	9	21203769	21203817	41394	IFNA14	1.50567	1.492806	-0.179174	0.6075738
A_16_P18576697	9	21208548	21208606	172042	IFNA14	0.834509	1.427918	-1.557225	-0.28727004
A_16_P38674029	9	21228628	21228687	48864	IFNA14	0.797673	0.894044	-1.318663	-0.5044038
A_14_P104628	9	21231471	21231530	159594	chr9:021231471-021231530	0.619321	0.492492	-1.350125	-0.861588
A_16_P38674062	9	21242517	21242576	206007	chr9:021242517-021242576	1.642461	1.499618	-0.118074	0.5057963
A_16_P38674075	9	21252184	21252243	16321	chr9:021252184-021252243	1.464343	1.475224	-0.292055	0.30409253
A_16_P18576815	9	21271976	21272035	50824	chr9:021271976-021272035	1.360332	1.346509	-0.355375	0.005425856
A_16_P18576831	9	21282858	21282917	79851	chr9:021282858-021282917	1.358482	1.34305	-0.458189	0.09963043
A_14_P116804	9	21294530	21294589	160785	V00541	0.663526	0.537016	-1.36089	-1.0028336
A_16_P18576864	9	21299118	21299177	145956	chr9:021299118-021299177	0.71746	0.719967	-1.208142	-0.56349933
A_16_P02075498	9	21302633	21302692	13794	chr9:021302633-021302692	1.423231	1.620077	-1.151283	0.36348557
A_16_P02075502	9	21306601	21306660	50304	chr9:021306601-021306660	1.496145	1.334987	-0.395336	0.39351004
A_16_P18576901	9	21313778	21313837	28577	chr9:021313778-021313837	1.420143	1.60233	-0.235077	0.4804582
A_14_P139584	9	21321182	21321241	156169	KLHL9	0.582318	0.317426	-1.435071	-0.7692478
A_16_P02075542	9	21324395	21324454	33104	KLHL9	0.789514	0.874259	-1.11488	-0.5394635
A_16_P18576962	9	21331663	21331722	10538	chr9:021331663-021331722	1.765	1.714675	0.082333	0.70670146
A_14_P105274	9	21337678	21337737	1822	chr9:021337678-021337737	1.255645	1.498552	-0.269395	0.22194779
A_16_P18576977	9	21342256	21342315	35692	chr9:021342256-021342315	1.182139	1.263945	-0.496353	0.026389569

A_16_P02075569	9	21346919	21346978	200670	chr9:021346919-021346978	1.140173	1.189365	-0.535533	-0.047427908
A_16_P02075576	9	21350172	21350231	77927	chr9:021350172-021350231	1.433287	1.524614	-0.096122	0.477035558
A_16_P18577008	9	21353140	21353199	175848	chr9:021353140-021353199	0.907244	1.00855	-1.108763	-0.6386602
A_16_P38674325	9	21355845	21355904	169184	chr9:021355845-021355904	0.658778	0.725543	-1.390063	-0.5386405
A_16_P38674335	9	21359384	21359443	175665	chr9:021359384-021359443	1.231474	1.312167	-0.373571	0.05211465
A_14_P127147	9	21362177	21362236	173561	chr9:021362177-021362236	1.328658	1.308492	-0.346322	0.08055077
A_16_P02075591	9	21366120	21366179	109506	chr9:021366120-021366179	1.5823	1.445469	-0.293255	0.2717575
A_16_P18577039	9	21371392	21371451	90950	chr9:021371392-021371451	1.237364	1.275681	-0.62914	0.08539259
A_14_P104948	9	21374383	21374442	143503	IFNA2	0.287858	0.419303	-1.34999	-0.7139344
A_16_P18577061	9	21381062	21381121	176460	chr9:021381062-021381121	1.503994	1.426285	-0.24636	0.41413102
A_16_P38674395	9	21386491	21386550	57699	chr9:021386491-021386550	1.305626	1.326781	-0.717476	0.09478289
A_16_P18577089	9	21389354	21389413	68128	chr9:021389354-021389413	1.887132	1.985867	0.151387	0.486799
A_16_P02075631	9	21394289	21394347	162550	chr9:021394289-021394347	1.294714	1.385747	-0.504467	0.18854006
A_14_P109107	9	21399800	21399850	195080	IFNA8	0.988048	1.185167	-0.796507	-0.25665298
A_16_P38674451	9	21404411	21404470	11172	chr9:021404411-021404470	1.935687	1.709736	-0.079783	0.52433586
A_16_P38674468	9	21408944	21409003	142326	chr9:021408944-021409003	1.149384	1.295917	-0.841049	-0.18752888
A_16_P38674480	9	21418595	21418654	203751	chr9:021418595-021418654	1.525488	1.573985	0.009097	0.47121853
A_16_P18577175	9	21424756	21424815	140380	chr9:021424756-021424815	0.887936	1.007966	-0.028392	-0.39738154
A_14_P105901	9	21431614	21431673	227371	chr9:021431614-021431673	1.335001	1.366936	-0.423515	0.23721053
A_16_P02075693	9	21438637	21438696	54385	chr9:021438637-021438696	0.9028	1.312587	-0.566029	0.004916385
A_16_P18577228	9	21444717	21444776	185619	AK124391	1.38352	1.622281	-0.260703	0.30624247
A_16_P18577241	9	21452458	21452517	74069	AK124391	0.916177	1.099967	-0.854702	-0.082903326
A_16_P18577258	9	21460816	21460875	179682	AK124391	1.483101	1.628193	0.011567	0.434945
A_16_P18577258	9	21460816	21460875	116050	AK124391	1.446856	1.569378	-0.207233	0.42543146
A_16_P18577258	9	21460816	21460875	33067	AK124391	1.520555	1.694413	-0.057913	0.54690444
A_16_P18577279	9	21466463	21466522	10065	AK124391	1.068722	0.964473	-0.868053	-0.29575202
A_14_P101271	9	21471540	21471599	140721	IFNE1	1.28772	1.246328	-0.191076	0.17997047
A_16_P18577304	9	21473384	21473443	96066	AK124391	0.8666	1.175203	-0.769145	-0.21001306
A_16_P18577304	9	21481866	21481925	189659	AK124391	1.200337	1.32775	-0.548075	-0.1140033
A_16_P18577318	9	21487001	21487060	32210	AK124391	1.087383	1.167539	-0.727993	-0.109166086
A_16_P18577330	9	21490692	21490751	207274	AK124391	1.663305	1.586983	-0.150725	0.40593934
A_16_P18577344	9	21494568	21494627	147703	AK124391	0.876846	0.789743	-0.885468	-0.40274936
A_16_P18577353	9	21497516	21497575	117957	AK124391	0.829252	1.004606	-0.825349	-0.23307738
A_16_P18577368	9	21502385	21502444	232424	AK124391	1.413711	1.558177	-0.225742	0.31460112
A_16_P18577376	9	21504931	21504990	4271	AK124391	0.784859	0.905727	-0.917207	-0.3932718
A_16_P02075806	9	21510354	21510413	157895	AK124391	1.060449	1.32442	-0.342604	0.2648031
A_16_P38674727	9	21521275	21521334	88030	AK124391	1.560359	1.646767	-0.153631	0.50692403
A_16_P18577407	9	21524780	21524839	50443	AK124391	0.940891	0.994856	-0.918129	-0.17779619
A_14_P113652	9	21537336	21537395	37279	AK124391	1.628056	1.675698	-0.092016	0.53603745
A_16_P38674798	9	21548354	21548413	181064	AK124391	1.496275	1.68243	-0.16424	0.54850908
A_16_P02075945	9	21593915	21593974	20335	chr9:021593915-021593974	1.55819	1.601744	-0.045631	0.5378524
A_16_P02076005	9	21648291	21648350	38931	chr9:021648291-021648350	1.405743	1.624679	-0.131725	0.45384383
A_16_P02076088	9	21698371	21698430	32943	chr9:021698371-021698430	1.10649	1.361038	-0.757949	0.16944744
A_14_P130737	9	21733410	21733469	155028	chr9:021733410-021733469	0.92669	1.125312	-0.768587	-0.3760172
A_16_P18578009	9	21753782	21753841	79014	chr9:021753782-021753841	1.052851	1.17262	-0.727284	-0.47701347
A_16_P18578048	9	21771805	21771864	131333	chr9:021771805-021771864	1.021582	1.129545	-0.541877	-0.063815564
A_16_P18578078	9	21780832	21780891	11680	chr9:021780832-021780891	1.361384	1.566058	-0.362674	0.38899708
A_14_P105352	9	21795270	21795329	81817	MTAP	1.252028	1.176612	-0.524595	0.007066891
A_16_P18578151	9	21807082	21807141	225728	MTAP	1.913987	1.992547	0.202677	0.8359987
A_16_P18578174	9	21822728	21822787	179166	MTAP	1.186583	1.216751	-0.587047	0.26984102
A_16_P18578189	9	21827873	21827932	196175	MTAP	1.143578	1.252573	-0.44744	-0.06691921
A_14_P117235	9	21845114	21845173	226723	MTAP	0.911398	1.145944	-1.058625	-0.2889428
A_14_P101143	9	21853204	21853263	139181	MTAP	1.221399	1.278964	-0.581637	0.25231558
A_16_P02076324	9	21862531	21862590	107197	AF109294	0.801391	0.984393	-1.033585	-0.59107363
A_16_P18578257	9	21875149	21875202	14622	AF109294	0.925044	1.095435	0.010133	0.7052583
A_16_P18578265	9	21892814	21892873	170246	AF109294	1.244527	1.433802	-0.309764	0.12669125
A_16_P18578276	9	21899332	21899391	208598	AF109294	1.330301	1.407438	-0.295768	0.167758
A_16_P18578279	9	21904800	21904859	228947	AF109294	0.559024	0.635181	-1.187388	-0.55805993
A_16_P02076341	9	21910518	21910577	55567	AF109294	1.406475	1.480663	-0.203948	0.23244064
A_16_P02076345	9	21919810	21919869	142498	AF109294	0.984911	1.002525	-0.859133	-0.10386178
A_16_P18578298	9	21926007	21926066	64899	AF109294	1.225889	1.337505	-0.434071	0.16544199
A_16_P02076353	9	21934037	21934096	221211	AF109294	1.744342	1.822871	-0.089695	0.6855309
A_16_P18578320	9	21947735	21947794	51857	AF109294	1.251684	1.282633	-0.565258	0.087601885
A_14_P121053	9	21957548	21957607	53218	AF109294	1.871388	2.013422	0.415387	0.89693993
A_14_P129522	9	21958041	21958099	166469	CDKN2A	0.992854	1.125023	-0.575389	-0.046952263
A_14_P130650	9	21968346	21968405	98225	CDKN2A	1.486594	1.558724	-0.164585	-0.33456296
A_16_P18578387	9	21973069	21973128	167496	CDKN2A	1.354507	1.43987	-0.21779	0.31066737
A_14_P112983	9	21980522	21980581	164129	CDKN2A	1.366919	1.659734	-0.283353	0.2789217
A_16_P18578423	9	21983401	21983460	154616	CDKN2A	1.463486	1.580823	-0.165361	0.56696737
A_14_P102897	9	21993651	21993710	41688	CDKN2B	0.823237	1.218018	-0.678238	-0.096924454
A_14_P103496	9	21998167	21998226	2164	CDKN2B	0.839548	0.939343	-0.979809	-0.5278842
A_14_P127768	9	21998596	21998655	167037	CDKN2B	0.961164	0.955131	-1.18707	-0.69336945
A_14_P118440	9	21998982	21999029	90565	CDKN2B	1.544698	1.768024	-0.014481	0.75411177

A_16_P38675850	9	22007835	22007894	85868	AF109294	1.239573	1.477866	-0.33057	0.3114243
A_16_P18578506	9	22018273	22018332	58347	AF109294	0.550478	0.625105	-1.461136	-0.6127848
A_16_P18578532	9	22026446	22026505	237355	chr9:022026446-022026505	1.094801	1.260512	-0.423865	0.05503477
A_16_P18578581	9	22042080	22042139	84886	chr9:022042080-022042139	1.178645	1.124046	-0.654935	-0.046027347
A_16_P18578628	9	22059983	22060042	227347	chr9:022059983-022060042	1.032359	1.280241	-1.023227	0.11747194
A_16_P18578677	9	22076798	22076857	140195	chr9:022076798-022076857	1.373026	1.140541	-0.305371	0.2675796
A_16_P18578763	9	22115405	22115464	26303	chr9:022115405-022115464	1.276593	1.456107	-0.202493	0.33506888
A_14_P106813	9	22136626	22136685	212373	chr9:022136626-022136685	1.141754	1.336823	-0.549487	-0.006724373
A_16_P02076722	9	22166172	22166231	47105	chr9:022166172-022166231	0.919318	1.178812	-0.763443	-0.3335235
A_16_P02076730	9	22183169	22183228	58324	chr9:022183169-022183228	1.179284	1.310522	-0.509576	0.18875033
A_16_P18578963	9	22202553	22202612	38751	chr9:02202553-02202612	0.834918	0.899141	-0.908905	-0.51009923
A_16_P02076790	9	22236765	22236824	35623	chr9:022236765-022236824	1.288888	1.406447	-0.485568	0.12708464
A_16_P18579067	9	22271686	22271745	19312	chr9:022271686-022271745	1.057201	1.194863	-0.978268	-0.16878718
A_16_P18579111	9	22292223	22292282	77492	chr9:022292223-02292282	1.171063	1.341107	-0.429469	0.008970201
A_14_P113515	9	22316165	22316224	29476	chr9:022316165-022316224	1.169365	1.160325	-0.741518	-0.17615032
A_16_P18579230	9	22346407	22346466	207951	chr9:022346407-022346466	1.136822	1.070002	-0.610385	-0.085805535
A_16_P18579289	9	22372290	22372349	229312	chr9:022372290-022372349	0.983358	1.143976	-0.591168	-0.062746376
A_16_P18579370	9	22406549	22406608	179402	chr9:022406549-022406608	1.296065	1.409131	-0.931129	0.06578533
A_16_P38676769	9	22421085	22421144	99139	chr9:022421085-022421144	1.030264	1.17963	-0.71805	-0.12909985
A_16_P38676777	9	22434682	22434741	133030	chr9:022434682-022434741	0.899697	1.059022	-1.170077	-0.42327732
A_16_P02077035	9	22441145	22441204	115530	DMRTA1	0.974835	0.92294	-0.989673	-0.4264871
A_16_P38676819	9	22445002	22445061	20100	chr9:022445002-022445061	1.306827	1.371194	-0.478092	0.2582391
A_16_P18579463	9	22453166	22453225	80343	chr9:022453166-022453225	0.852747	0.863858	-1.045642	-0.43401974
A_16_P02077061	9	22462725	22462784	128919	chr9:022462725-022462784	1.611519	1.841171	0.064052	0.6268177
A_16_P18579511	9	22477358	22477417	59861	chr9:022477358-022477417	1.201573	1.330421	-0.471899	0.065393
A_16_P18579539	9	22502565	22502624	211361	chr9:022502565-022502624	1.451141	1.386306	-0.382357	0.299924
A_16_P18579614	9	22527010	22527069	28844	chr9:022527010-022527069	1.109299	1.07341	-0.776002	-0.22622126
A_16_P38677031	9	22545507	22545566	51413	chr9:022545507-022545566	1.34796	1.327652	-0.205978	0.23904094
A_16_P18579693	9	22582720	22582779	43663	chr9:022582720-022582779	0.936819	0.89796	-0.983849	-0.30384243
A_16_P18579737	9	22596322	22596381	143040	chr9:022596322-022596381	0.609798	0.568237	-1.403731	-0.65710866
A_16_P18579786	9	22615986	22616045	27612	chr9:022615986-022616045	0.775671	0.695485	-1.160372	-0.82399356
A_16_P18579842	9	22638451	22638510	91679	AK092601	1.479933	1.436781	-0.182677	0.32800108
A_16_P38677245	9	22656569	22656628	128311	AK092601	-5.35318	1.313314	-0.932425	0.23024857
A_16_P18579907	9	22664760	22664819	55247	AK092601	1.092128	1.158962	-0.73837	-0.011796817
A_16_P18579947	9	22675780	22675839	178274	AK092601	0.92096	1.245428	-0.88214	-0.08730659
A_14_P129139	9	22690103	22690162	222573	AK092601	1.200867	1.327974	-0.480496	0.10699223
A_16_P18580025	9	22712626	22712685	218173	AK092601	1.187333	1.260867	-0.679828	0.11455043
A_16_P18580046	9	22723912	22723971	95115	AK092601	1.207547	1.355789	-0.41164	0.2401636
A_16_P18580098	9	22745047	22745106	18673	AK092601	0.948275	1.079468	-0.513075	-0.25993404
A_16_P02077445	9	22755222	22755281	81329	AK092601	1.495447	1.69527	-0.046596	0.37977752
A_16_P18580133	9	22768706	22768765	32111	AK092601	1.016357	1.035317	-0.731442	-0.0933885
A_16_P02077471	9	22787299	22787358	179934	AK092601	1.241908	1.2485	-0.538622	0.16370821
A_16_P18580176	9	22797750	22797809	23958	AK092601	1.105931	1.214989	-0.78886	8.40E-05
A_16_P18580207	9	22808496	22808555	87851	AK092601	1.298628	1.307947	-0.553176	0.276152
A_16_P18580255	9	22842920	22842979	17179	chr9:022842920-022842979	0.913476	1.014887	-0.944451	-0.2909526
A_14_P127990	9	22889584	22889643	76917	chr9:022889584-022889643	0.504144	0.64628	-1.521658	-0.7589897
A_16_P38677756	9	22905506	22905565	224870	chr9:022905506-022905565	1.018985	0.98472	-1.012972	-0.20040196
A_16_P38677795	9	22919521	22919580	4025	chr9:022919521-022919580	0.970997	1.104664	-0.835052	-0.06437963
A_16_P18580477	9	22935656	22935715	25495	chr9:022935656-022935715	0.833353	0.97348	-0.966684	-0.20863965
A_16_P18580529	9	22963881	22963940	200982	chr9:022963881-022963940	1.317727	1.273982	-0.454721	0.2503895
A_14_P116221	9	22992318	22992377	207012	chr9:022992318-022992377	0.974751	1.285255	-0.505713	-0.099313766
A_16_P38678003	9	23018614	23018673	177461	chr9:023018614-023018673	0.666599	0.758047	-1.36547	-0.45258152
A_16_P38678033	9	23032305	23032364	184169	chr9:023032305-023032364	1.168136	1.013058	-0.644579	0.15310213
A_16_P38678049	9	23049932	23049991	105061	chr9:023049932-023049991	1.090736	1.273728	-0.594702	0.037073597
A_16_P18580748	9	23071027	23071086	227970	chr9:023071027-023071086	1.036747	1.078509	-0.688347	-0.07012084
A_16_P18580793	9	23092507	23092566	34167	chr9:023092507-023092566	1.018688	1.080036	-0.792879	-0.045655966
A_16_P18580857	9	23122133	23122191	69079	chr9:023122133-023122191	1.669796	2.103181	0.275893	0.640507
A_16_P18580895	9	23146308	23146367	35675	chr9:023146308-023146367	1.033597	1.091081	-0.683495	-0.23877797
A_16_P38678279	9	23167135	23167194	123489	chr9:023167135-023167194	1.104728	1.202548	-0.73201	0.034809023
A_16_P18581034	9	23203099	23203158	89832	chr9:023203099-023203158	1.330487	1.455315	-0.359294	0.39232633
A_16_P18581084	9	23222087	23222146	146181	chr9:023222087-023222146	0.664971	0.595946	-1.222494	-0.52419364
A_16_P18581128	9	23247335	23247394	1653	chr9:023247335-023247394	1.460871	1.193971	-0.382726	0.10528782
A_16_P18581209	9	23278698	23278757	173943	chr9:023278698-023278757	0.977089	1.061659	-0.994966	-0.18638891
A_16_P38678683	9	23316739	23316798	110917	chr9:023316739-023316798	1.064811	0.924575	-1.004917	-0.22293577
A_16_P18581362	9	23338535	23338594	76921	chr9:023338535-023338594	1.277974	1.337335	-0.682593	0.2835158
A_16_P02078191	9	23365926	23365985	158112	chr9:023365926-023365985	2.251245	2.112431	-0.689168	-0.48066407
A_16_P02078229	9	23405562	23405621	103499	chr9:023405562-023405621	1.166995	1.133963	-0.842215	-0.15794244
A_14_P102923	9	23425976	23426035	108320	chr9:023425976-023426035	1.404028	1.382575	-0.437178	0.38761967
A_16_P02078329	9	23476450	23476509	2039	chr9:023476450-023476509	0.597906	0.520831	-1.268202	-0.9048127
A_16_P18581686	9	23494118	23494177	36636	CR627240	1.073215	0.937285	-0.97273	-0.36725366
A_16_P02078368	9	23505762	23505821	94359	CR627240	1.18579	1.14684	-0.67964	-0.033330515
A_16_P18581743	9	23516657	23516716	10428	CR627240	1.522281	1.342092	-0.327186	0.23367909
A_16_P38679116	9	23526542	23526601	34344	CR627240	1.148759	1.129508	-0.628196	-0.16156274

A_16_P18581833	9	23550029	23550088	169853	CR627240	1.540818	1.622575	-0.201787	0.4941723
A_16_P02078459	9	23559089	23559148	195902	CR627240	1.308708	1.208695	-0.689661	-0.1811854
A_16_P02078492	9	23577355	23577414	101303	CR627240	1.475955	1.508457	-0.157507	0.4163791
A_16_P02078513	9	23588116	23588175	97861	CR627240	1.186067	1.20484	-0.519119	-0.03067422
A_16_P38679344	9	23603549	23603608	53692	CR627240	1.435929	1.340664	-0.259519	0.27965686
A_16_P18582065	9	23624959	23625018	223773	CR627240	1.910159	1.970406	0.414834	1.0068026
A_16_P18582104	9	23636699	23636758	150304	CR627240	1.239993	1.192675	-0.548341	0.36751804
A_14_P128755	9	23649971	23650030	13737	CR627240	1.738218	1.70827	-0.11666	0.5552496
A_16_P18582195	9	23665998	23666057	87123	chr9:023665998-023666057	1.110377	1.173518	-0.538637	0.09389213
A_16_P18582221	9	23673529	23673588	185477	chr9:023673529-023673588	1.455467	1.374294	-0.422318	0.22739077
A_14_P113744	9	23680273	23680332	217350	ELAVL2	0.942829	0.769368	-0.966315	-0.3576333
A_16_P02078722	9	23691567	23691626	230790	ELAVL2	1.670141	1.51196	-0.071477	0.4360584
A_16_P38679673	9	23699486	23699545	89891	ELAVL2	1.651283	1.402226	-0.076343	0.4392668
A_16_P18582331	9	23704617	23704676	63836	ELAVL2	0.793149	0.782493	-0.563065	-0.09827295
A_14_P101322	9	23714814	23714873	202800	ELAVL2	1.025278	1.15631	-0.221687	0.19427475
A_16_P02078788	9	23721004	23721063	36150	ELAVL2	0.518988	0.470954	-1.620893	-0.99255383
A_16_P02078802	9	23726783	23726842	231525	ELAVL2	1.610704	1.561638	0.046418	0.70217866
A_16_P38679821	9	23740648	23740707	88911	ELAVL2	1.118254	0.948288	-0.647004	-0.10097289
A_16_P38679859	9	23751947	23752006	159294	ELAVL2	1.003679	1.017552	-0.642732	-0.03793469
A_16_P38679891	9	23761266	23761325	147493	ELAVL2	0.840532	0.612386	-1.270828	-0.5197043
A_16_P02078893	9	23767217	23767276	36924	ELAVL2	1.178774	1.060381	-0.805375	-0.035661772
A_16_P18582559	9	23773205	23773264	172117	ELAVL2	1.047515	1.054706	-0.59467	-0.15245625
A_14_P106458	9	23779157	23779216	72163	ELAVL2	1.536266	1.325139	0.128843	0.07552722
A_16_P18582596	9	23784955	23785014	19909	ELAVL2	0.253208	0.239093	-1.813177	-1.2136819
A_16_P02078946	9	23793345	23793404	70741	ELAVL2	1.113033	0.938927	-0.969332	-0.27927747
A_16_P18582649	9	23800056	23800115	129454	ELAVL2	1.31321	1.121434	-0.506822	-0.003029078
A_16_P18582677	9	23807986	23808045	142967	ELAVL2	1.082078	1.086236	-0.690749	-0.17026734
A_14_P116494	9	23816193	23816243	183937	U12431	1.137755	0.992857	-0.031691	0.20114475
A_16_P18582752	9	23829468	23829527	166029	chr9:023829468-023829527	1.370947	1.484503	-0.240471	0.3474247
A_14_P201280	9	23843392	23843451	97634	chr9:023843392-023843451	0.940485	1.022898	-0.55085	0.15378228
A_16_P18582822	9	23857943	23858002	164848	chr9:023857943-023858002	1.133989	1.061683	-0.761361	-0.10233587
A_16_P02079117	9	23901804	23901863	161848	chr9:023901804-023901863	1.097808	1.060466	-0.700448	-0.21104795
A_16_P18582907	9	23923298	23923357	187775	chr9:023923298-023923357	0.572792	0.668039	-0.260258	-0.66953605
A_16_P02079153	9	23946053	23946112	13682	chr9:023946053-023946112	1.380425	1.067694	-0.784016	-0.08089411
A_16_P18582993	9	23971151	23971210	133730	chr9:023971151-023971210	0.690839	0.80187	-1.224927	-0.62625545
A_16_P18583009	9	23991794	23991853	231886	chr9:023991794-023991853	1.30087	1.297877	-0.429591	0.12728404
A_14_P123655	9	24022718	24022777	51445	chr9:024022718-024022777	1.56872	1.347465	-0.313983	0.38576758
A_16_P02079287	9	24053497	24053556	225337	chr9:024053497-024053556	0.908509	0.965087	-1.060336	-0.40344012
A_16_P18583223	9	24073476	24073535	196239	chr9:024073476-024073535	0.770859	0.716148	-1.470315	-0.6351812
A_16_P02079347	9	24101221	24101280	82114	chr9:024101221-024101280	1.37704	1.072223	-0.4308	0.39784968
A_14_P124975	9	24136307	24136366	4510	chr9:024136307-024136366	1.446248	1.374383	-0.336539	0.22453186
A_16_P02079421	9	24160666	24160725	34911	chr9:024160666-024160725	1.371956	1.20883	-0.119789	0.41677672
A_16_P38680828	9	24197831	24197890	68999	chr9:024197831-024197890	1.368228	1.413814	-0.304287	0.3867944
A_16_P18583528	9	24232825	24232884	129264	chr9:024232825-024232884	1.400239	1.381623	-0.296855	0.3683744
A_16_P02079563	9	24279661	24279720	20110	chr9:024279661-024279720	0.557788	0.787181	-1.432994	-0.69156146
A_16_P18583678	9	24300474	24300533	236677	chr9:024300474-024300533	0.747898	0.65396	-1.447236	-0.5260428
A_16_P18583773	9	24339363	24339422	210539	chr9:024339363-024339422	1.165703	1.072644	-0.755829	0.073887214
A_16_P18583837	9	24376546	24376605	95710	chr9:024376546-024376605	1.040812	1.043756	-0.933481	-0.079215616
A_16_P18583909	9	24416310	24416369	185827	chr9:024416310-024416369	1.161331	1.193329	-0.737106	0.061629027
A_16_P18583958	9	24439339	24439398	4571	chr9:024439339-024439398	1.188707	1.106208	-0.917034	0.030800328
A_16_P18584041	9	24469961	24470020	91954	chr9:024469961-024470020	1.486884	1.339094	-0.241286	0.23989218
A_16_P18584119	9	24495765	24495824	179604	chr9:024495765-024495824	1.571414	1.688679	-0.014476	0.6398244
A_16_P02079877	9	24517115	24517174	78651	chr9:024517115-024517174	1.133339	1.134222	-0.751358	-0.029926091
A_14_P133944	9	24538868	24538927	207797	chr9:024538868-024538927	1.069679	0.945617	-0.725046	-0.054083437
A_16_P38681703	9	24577294	24577353	13949	chr9:024577294-024577353	1.06578	1.084032	-0.702717	0.035214037
A_16_P18584414	9	24603645	24603704	217310	chr9:024603645-024603704	1.068949	1.00024	-1.066603	-0.23949176
A_16_P18584498	9	24667137	24667196	179769	chr9:024667137-024667196	0.830165	0.734952	-1.148694	-0.43905687
A_14_P116740	9	24684752	24684811	7550	chr9:024684752-024684811	0.740289	0.708764	-1.16296	-0.5036297
A_16_P18584687	9	24744409	24744468	88299	chr9:024744409-024744468	0.96697	0.714338	-1.06018	-0.25217852
A_16_P02080226	9	24769705	24769764	91902	chr9:024769705-024769764	1.322594	1.250841	-0.503627	0.15012462
A_16_P38682203	9	24804793	24804852	201628	chr9:024804793-024804852	1.891783	1.749541	0.156543	0.87618667
A_16_P18584883	9	24827828	24827887	135165	chr9:024827828-024827887	0.737722	0.675333	-1.258585	-0.5759905
A_14_P107920	9	24873989	24874048	146908	chr9:024873989-024874048	1.035121	0.92289	-0.85537	2.43E-04
A_16_P18585127	9	24932348	24932407	209613	chr9:024932348-024932407	1.143246	0.979486	-0.724106	0.012492538
A_16_P18585271	9	24986233	24986292	81397	chr9:024986233-024986292	0.924135	0.856443	-1.078219	-0.3323362
A_16_P18585355	9	25036145	25036204	237361	chr9:025036145-025036204	1.164718	1.074599	-0.584727	0.14735973
A_16_P18585402	9	25057423	25057482	90513	chr9:025057423-025057482	1.073809	1.030038	-0.69416	-0.027114749
A_14_P103463	9	25081725	25081784	195760	chr9:025081725-025081784	1.298767	1.07533	0.11662	0.61994004
A_16_P18585523	9	25114915	25114974	42357	chr9:025114915-025114974	0.927221	1.066635	-1.003877	-0.22055024
A_16_P38682962	9	25144678	25144737	213096	chr9:025144678-025144737	0.990442	1.069074	-0.584878	-0.12896124
A_14_P115765	9	25195505	25195564	216474	chr9:025195505-025195564	1.034363	1.009854	-0.684792	-0.042622745
A_16_P18585743	9	25217246	25217305	222660	chr9:025217246-025217305	1.487454	1.541998	-0.460732	0.45009828
A_16_P18585800	9	25249013	25249072	190294	chr9:025249013-025249072	1.22472	1.289648	-0.304623	0.26422507

A_16_P38683265	9	25277213	25277272	7469	chr9:025277213-025277272	0.593824	0.598993	-1.35213	-0.885618
A_16_P02080962	9	25315601	25315660	171988	chr9:025315601-025315660	1.264992	1.274835	-0.542336	0.09123279
A_16_P38683381	9	25336912	25336971	127376	chr9:025336912-025336971	1.050787	1.101435	-0.79992	-0.03697659
A_14_P125459	9	25357325	25357384	24805	chr9:025357325-025357384	1.004648	0.994307	-0.778006	0.032365143
A_16_P18586070	9	25377669	25377728	240332	chr9:025377669-025377728	0.896437	0.806072	-1.101701	-0.49637163
A_16_P18586205	9	25439089	25439148	79368	chr9:025439089-025439148	1.192212	1.011379	-1.128938	-0.15845329
A_16_P18586273	9	25471638	25471697	219796	chr9:025471638-025471697	1.653301	1.670356	-0.394035	0.80363816
A_16_P18586328	9	25494416	25494475	5618	chr9:025494416-025494475	0.868313	0.952156	-0.950109	-0.32368195
A_16_P18586371	9	25517395	25517454	205244	chr9:025517395-025517454	1.277901	1.103721	-0.539707	0.09499652
A_16_P02081251	9	25538163	25538222	182986	chr9:025538163-025538222	1.405407	1.354499	-0.585917	0.1686279
A_14_P104894	9	25573028	25573087	77694	AK093337	0.890729	0.945899	-1.188927	-0.46994138
A_16_P18586616	9	25606019	25606078	57884	chr9:025606019-025606078	0.82186	1.103782	-1.296917	-0.10625708
A_16_P38684070	9	25630792	25630851	180547	chr9:025630792-025630851	0.983111	0.960841	-0.84813	-0.33718246
A_16_P18586423	9	25647493	25647552	200863	chr9:025647493-025647552	1.498251	1.533907	-0.12661	0.5279349
A_16_P18586753	9	25657161	25657220	107179	chr9:025657161-025657220	0.765515	0.871384	-1.164536	-0.23004958
A_16_P18586761	9	25665903	25665962	207883	chr9:025665903-025665962	1.140861	1.012382	-0.690716	-0.113986254
A_16_P18586775	9	25670155	25670214	12906	chr9:025670155-025670214	1.172302	1.213043	-0.658637	0.036830068
A_16_P18586795	9	25678698	25678757	134660	chr9:025678698-025678757	0.860434	0.835689	-0.974851	-0.2574886
A_16_P38684194	9	25685274	25685333	58204	chr9:025685274-025685333	0.835973	0.753858	-0.744057	-0.32856762
A_16_P38684216	9	25692847	25692906	98398	chr9:025692847-025692906	1.106769	1.069221	-0.483388	0.11084695
A_16_P02081503	9	25703810	25703869	91294	chr9:025703810-025703869	0.946632	0.780345	-0.885749	-0.26022583
A_14_P109134	9	25728780	25728839	94206	chr9:025728780-025728839	1.026751	1.024147	-0.863303	-0.031907767
A_16_P18587013	9	25769222	25769281	77396	chr9:025769222-025769281	1.198485	1.203286	-0.559853	-0.018137723
A_16_P18587085	9	25796667	25796726	179924	BC043546	0.697865	0.612452	-1.149733	-0.50611126
A_16_P38684550	9	25846578	25846637	64071	chr9:025846578-025846637	1.436772	1.421234	-0.751843	0.35491663
A_14_P110074	9	25899346	25899405	3231	chr9:025899346-025899405	1.021441	1.02655	-0.812354	-0.055893898
A_16_P38684736	9	25943049	25943108	25173	chr9:025943049-025943108	1.420932	1.3081	-0.43066	0.35937658
A_16_P18587402	9	25969531	25969590	191595	chr9:025969531-025969590	1.28367	1.135069	-0.525549	0.14415982
A_16_P38684851	9	26005964	26006023	59368	chr9:026005964-026006023	0.927779	0.788678	-0.868762	-0.24578616
A_16_P18587537	9	26032329	26032388	174334	chr9:026032329-026032388	1.089091	1.057527	-0.616083	-0.09357339
A_16_P18587561	9	26042554	26042613	193906	chr9:026042554-026042613	0.903004	0.84284	-0.892546	-0.23708123
A_16_P02081936	9	26049517	26049576	93463	chr9:026049517-026049576	1.363339	1.152673	-0.510271	0.20415157
A_16_P02081957	9	26060321	26060380	174255	AK131322	1.237364	1.066441	-0.535017	-0.15248495
A_16_P18587637	9	26071304	26071363	107183	AK131322	1.076024	1.621115	-0.692343	0.11020205
A_16_P18587656	9	26080382	26080441	139384	AK131322	1.055481	1.128321	-0.523973	0.04437551
A_14_P106279	9	26086341	26086400	159879	AK131322	1.14965	1.149167	-0.647312	0.06893799
A_16_P02082004	9	26104455	26104514	129458	AK131322	1.266148	1.340406	-0.288293	0.16594158
A_16_P18587740	9	26116415	26116474	147045	chr9:026116415-026116474	1.496176	1.207016	-0.355094	0.22238207
A_16_P02082042	9	26123251	26123310	199806	chr9:026123251-026123310	1.027508	1.133338	-0.392795	0.006523684
A_16_P38685249	9	26152115	26152174	153330	chr9:026152115-026152174	1.123005	1.143503	-0.666353	-0.11768046
A_16_P18587965	9	26195023	26195082	148861	chr9:026195023-026195082	1.192575	1.054852	-0.633685	-0.01618436
A_16_P18588025	9	26215945	26216004	70522	chr9:026215945-026216004	1.167208	1.030392	-0.370584	0.08195662
A_16_P18588108	9	26246129	26246188	101636	chr9:026246129-026246188	0.43906	0.479099	-1.298324	-0.64745486
A_16_P38685546	9	26264518	26264577	69215	chr9:026264518-026264577	0.633397	0.657034	-1.152224	-0.36998022
A_16_P18588206	9	26291109	26291168	39772	chr9:026291109-026291168	1.154745	1.271818	-0.462409	0.24837089
A_14_P104406	9	26311885	26311944	112450	chr9:026311885-026311944	1.756975	1.806136	0.362627	0.9747983
A_16_P38685728	9	26347039	26347098	27909	chr9:026347039-026347098	1.005276	1.0604	-0.577128	0.04133001
A_16_P18588388	9	26362320	26362379	85825	chr9:026362320-026362379	1.209999	1.215786	-0.391992	0.0467567
A_16_P38685806	9	26376895	26376954	181338	chr9:026376895-026376954	1.061304	1.157333	-0.534464	0.09623594
A_16_P18588453	9	26395992	26396051	168372	chr9:026395992-026396051	1.217463	1.106443	-0.371641	0.050651476
A_16_P02082487	9	26413210	26413269	168786	chr9:026413210-026413269	1.085558	1.20012	-0.722526	0.007913724
A_16_P18588551	9	26433722	26433781	65429	chr9:026433722-026433781	1.058068	0.975596	-0.870168	-0.08781189
A_14_P125576	9	26454989	26455048	63925	chr9:026454989-026455048	1.002105	0.938834	-0.748575	-0.22891226
A_16_P18588626	9	26473100	26473159	137964	chr9:026473100-026473159	0.837421	0.8732	-0.909842	-0.4096086
A_16_P18588634	9	26491363	26491422	155312	chr9:026491363-026491422	1.69231	1.7705	0.163589	0.8245169
A_16_P18588728	9	26521951	26522010	20832	chr9:026521951-026522010	1.214561	1.120827	-0.639125	0.037029177
A_16_P18588771	9	26544355	26544414	131107	chr9:026544355-026544414	0.884942	0.964302	-1.037102	-0.3167873
A_16_P18588825	9	26566505	26566564	118655	chr9:026566505-026566564	1.045172	0.94686	-0.765824	-0.08830428
A_16_P02082709	9	26590444	26590503	21081	chr9:026590444-026590503	1.300194	1.278737	-0.458023	0.14130008
A_16_P18588902	9	26613334	26613393	153638	chr9:026613334-026613393	1.129324	1.209363	-0.43466	0.089110605
A_14_P111432	9	26639384	26639443	101542	chr9:026639384-026639443	1.388574	1.503386	0.018767	0.5206852
A_16_P18589114	9	26680984	26681043	34680	chr9:026680984-026681043	1.25392	1.317464	-0.506387	0.12689583
A_16_P18589244	9	26736903	26736962	25199	chr9:026736903-026736962	1.476294	1.51814	-0.233681	-0.08350086
A_14_P135744	9	26790767	26790826	193179	chr9:026790767-026790826	1.170839	1.17265	-0.351545	0.07541944
A_16_P18589429	9	26812713	26812772	67233	chr9:026812713-026812772	0.705735	0.887259	-0.7663	-0.33169466
A_16_P18589436	9	26821029	26821088	225560	chr9:026821029-026821088	0.505143	0.436639	-1.186804	-0.7329991
A_14_P118580	9	26831650	26831709	132287	C9orf82	1.185866	1.316454	-0.41765	0.14644009
A_16_P38686856	9	26840969	26841028	37502	C9orf82	1.376635	1.42009	-0.314259	0.37251216
A_16_P38686856	9	26840969	26841028	11157	C9orf82	1.467193	1.329828	-0.139606	0.28915423
A_16_P38686856	9	26840969	26841028	49597	C9orf82	1.431092	1.384692	-0.233359	0.32437447
A_16_P02083104	9	26854708	26854767	62592	C9orf82	0.762708	1.201441	-0.552656	0.093133464
A_16_P02083112	9	26860446	26860505	136769	C9orf82	1.342753	1.447555	-0.410555	0.28760347
A_14_P131102	9	26867539	26867598	170313	C9orf82	1.5141	1.552182	0.081262	0.52013385

A_16_P18589560	9	26873525	26873584	171178	C9orf82	1.086632	1.115789	-0.692649	-0.032903954
A_16_P18589579	9	26879915	26879974	70935	C9orf82	1.17401	1.185482	-0.300788	0.27019006
A_16_P18589604	9	26890887	26890946	96568	chr9:026890887-026890946	1.250137	1.241743	-0.40944	0.14479831
A_16_P38687016	9	26897970	26898029	2617	PLAA	1.174477	1.175742	-0.486786	-0.19391939
A_14_P134594	9	26904780	26904839	57069	PLAA	0.717912	0.640859	-1.219586	-0.5832933
A_16_P38687067	9	26913325	26913384	53837	PLAA	1.451289	1.453627	-0.071387	0.50284827
A_16_P18589687	9	26918356	26918415	102584	PLAA	1.044505	1.269694	-0.482736	0.22929746
A_16_P18589700	9	26925960	26926019	79497	PLAA	0.605969	0.559465	-1.162125	-0.8535092
A_14_P127755	9	26933569	26933628	161065	PLAA	0.667018	0.638391	-1.019473	-0.67564386
A_16_P38687135	9	26942603	26942662	201520	chr9:026942603-026942662	1.466131	1.325792	-0.190799	0.31403995
A_16_P02083248	9	26951929	26951988	149739	IFT74	1.237168	1.22949	-0.452029	-0.032791317
A_16_P18589768	9	26960230	26960289	14294	IFT74	0.913798	0.667648	-0.947958	-0.46501613
A_16_P38687191	9	26970599	26970658	122424	IFT74	0.628917	0.669686	-1.163844	-0.60651976
A_16_P18589793	9	26975915	26975974	97133	IFT74	1.170625	1.286394	-0.410647	0.11177485
A_16_P38687230	9	26983676	26983735	48894	IFT74	0.546087	1.045132	-1.154943	-0.5701419
A_14_P120970	9	26989600	26989659	193502	IFT74	1.004383	0.983662	-0.651855	-0.22945201
A_16_P18589847	9	26993783	26993842	57134	IFT74	1.17142	1.13106	-0.543678	0.008731335
A_16_P38687274	9	26999032	26999091	90444	IFT74	1.247073	1.335951	-0.367906	0.18467018
A_16_P02083322	9	27006983	27007042	889	IFT74	1.182787	1.292976	-0.4694	0.08222658
A_14_P120037	9	27019070	27019129	86779	IFT74	1.082535	1.087322	-0.746857	-0.16989294
A_16_P38687330	9	27025300	27025359	30874	IFT74	0.846455	0.91478	-0.985058	-0.46808457
A_16_P02083348	9	27033057	27033116	227907	IFT74	1.691213	1.638396	0.1293	0.57772017
A_16_P38687373	9	27043788	27043847	213958	IFT74	0.901839	1.119166	-0.788942	-0.19468263
A_14_P132422	9	27052817	27052876	2797	AK225570	0.310781	0.351342	-1.624643	-0.91985834
A_16_P18590005	9	27058282	27058341	157942	chr9:027058282-027058341	1.964786	1.835125	0.41827	0.7704891
A_16_P18590027	9	27071659	27071718	216840	chr9:027071659-027071718	0.866086	0.838159	-0.956859	-0.57753587
A_16_P18590053	9	27084327	27084386	187328	chr9:027084327-027084386	1.031724	1.133997	-0.628372	-0.08648163
A_16_P18590062	9	27094550	27094609	178698	chr9:027094550-027094609	0.796882	0.728724	-1.105566	-0.3670352
A_14_P117680	9	27100164	27100223	19152	TEK	0.993933	1.191308	0.217441	0.50033474
A_14_P137338	9	27111885	27111944	40504	TEK	1.623028	1.478174	0.047017	0.76056015
A_16_P38687538	9	27119951	27120010	15662	TEK	1.109431	1.188599	-0.720684	-0.20730141
A_16_P02083473	9	27130516	27130575	38315	TEK	1.471354	1.474033	-0.241455	0.37371397
A_16_P38687581	9	27135601	27135660	148901	TEK	1.397585	1.414567	-0.152901	0.30137953
A_16_P02083487	9	27140808	27140866	104743	TEK	0.630321	0.688237	-0.810882	-0.5502472
A_14_P136657	9	27148028	27148087	116682	TEK	1.89278	1.780965	0.310596	0.6913011
A_16_P18590230	9	27158586	27158645	131080	TEK	1.06686	1.050276	-0.458565	0.08497498
A_16_P02083543	9	27175468	27175527	183316	TEK	1.786332	1.634409	-0.051686	0.5734384
A_16_P38687712	9	27182459	27182518	61492	TEK	1.674092	1.291294	-0.229701	0.65671027
A_16_P18590320	9	27192734	27192793	238388	TEK	0.763732	0.599211	-1.341467	-0.8711084
A_16_P02083599	9	27203502	27203561	79995	TEK	1.064358	1.30088	-0.626174	-0.08344655
A_16_P18590377	9	27208901	27208960	110464	TEK	1.359326	1.235918	-0.372905	-2.67E-04
A_14_P116356	9	27220105	27220164	49101	TEK	0.819052	0.76378	-1.062699	-0.4357121
A_14_P116356	9	27220105	27220164	128944	TEK	0.84013	0.727556	-0.955227	-0.50654906
A_14_P116356	9	27220105	27220164	160409	TEK	0.854402	0.753214	-1.098805	-0.44282728
A_16_P02083625	9	27229184	27229243	51466	chr9:027229184-027229243	1.103015	1.003807	-0.685066	-0.22557789
A_16_P18590419	9	27239620	27239679	128173	AF418573	1.050785	1.263124	-0.483073	0.16627821
A_16_P18590426	9	27247713	27247772	68654	AF418573	0.734805	0.648708	-1.152118	-0.6774956
A_14_P121378	9	27253839	27253898	143189	AF418573	1.691139	1.561883	-0.039078	0.8303317
A_16_P18590468	9	27262953	27263012	103070	AF418573	1.296195	1.337381	-0.681279	-0.20452169
A_16_P18590490	9	27269672	27269731	74624	AF418573	1.042857	1.103545	-0.735742	-0.10794979
A_16_P38687959	9	27274759	27274818	200434	C9orf11	1.018094	0.983173	-0.638249	-0.26199374
A_16_P38687999	9	27286964	27287023	168014	C9orf11	1.038134	0.978777	-0.902319	-0.39978713
A_16_P02083728	9	27294778	27294837	48202	chr9:027294778-027294837	1.195986	1.335306	-0.526831	0.13718444
A_16_P02083741	9	27303395	27303454	106664	chr9:027303395-027303454	1.21016	1.522009	-0.040124	0.56534123
A_14_P125261	9	27316598	27316657	93509	MOBK2B	1.703169	1.84065	-0.066355	0.6530788
A_16_P18590650	9	27327845	27327904	11414	MOBK2B	2.12546	2.00726	0.57454	1.1931574
A_16_P02083787	9	27333824	27333883	99480	MOBK2B	1.330894	1.361871	-0.331342	0.20247148
A_16_P38688146	9	27340649	27340708	67185	MOBK2B	1.527268	1.183987	-0.212495	-0.048204243
A_16_P38688164	9	27346909	27346968	221227	MOBK2B	1.508648	1.48756	-0.067257	0.440732
A_16_P18590732	9	27354856	27354915	76117	MOBK2B	1.033601	0.918534	-0.638766	-0.44173878
A_14_P109949	9	27364468	27364527	124620	MOBK2B	1.91836	1.93869	0.333076	0.9632621
A_16_P18590786	9	27374534	27374593	173773	MOBK2B	1.342076	1.343054	-0.459722	0.1266081
A_16_P18590806	9	27382491	27382550	141425	MOBK2B	1.021987	1.122846	-0.616334	-0.12879136
A_16_P38688298	9	27391763	27391822	123961	MOBK2B	1.359657	1.274455	-0.421929	0.21914476
A_16_P02083898	9	27398324	27398383	195682	MOBK2B	1.810311	1.835117	0.228651	0.7236196
A_16_P18590867	9	27405812	27405871	238055	MOBK2B	1.089129	1.094506	-0.549327	-0.14303213
A_16_P18590887	9	27414822	27414879	86676	MOBK2B	1.696401	1.742649	0.12081	0.60020906
A_16_P18590910	9	27421853	27421912	238876	MOBK2B	1.615987	1.555462	-0.809136	-0.30750757
A_16_P18590934	9	27430770	27430827	94403	MOBK2B	0.209948	-0.116573	-1.432288	-0.93664455
A_16_P18590959	9	27440583	27440642	131393	MOBK2B	0.981321	1.250594	-0.509089	0.116102256
A_14_P103371	9	27445716	27445771	234047	MOBK2B	1.061606	1.093396	-0.656246	-0.17130342
A_16_P02083998	9	27454336	27454395	164761	MOBK2B	1.3662	1.335414	-0.2469	0.23631036
A_16_P02084015	9	27464501	27464560	203026	MOBK2B	1.466261	1.312506	0.133583	0.56991255

A_16_P18591039	9	27472218	27472277	20776	MOBK2B	2.0428	2.030922	0.676955	0.56039476
A_16_P18591054	9	27477884	27477943	196464	MOBK2B	1.307163	1.22115	-0.355655	7.36E-04
A_16_P38688555	9	27489644	27489703	224054	MOBK2B	1.339605	1.208557	-0.437605	-1.3188195
A_16_P18591114	9	27498621	27498680	220324	MOBK2B	1.689241	1.750321	0.156414	0.5066978
A_16_P18591131	9	27504367	27504426	206000	MOBK2B	0.809756	0.818372	-0.801921	-0.7055007
A_16_P02084085	9	27510099	27510158	38029	MOBK2B	0.628083	0.579601	-1.257164	-0.7280142
A_14_P129027	9	27514323	27514382	28825	MOBK2B	1.353831	1.483717	-0.270424	0.13131112
A_16_P38688670	9	27524478	27524537	126143	chr9:027524478-027524537	1.663956	1.443455	-0.20986	0.36063558
A_16_P38688687	9	27529471	27529530	98122	chr9:027529471-027529530	1.430279	1.143648	-0.773005	-0.20113355
A_16_P38688707	9	27537786	27537845	166557	C9orf72	1.247331	1.109491	-0.520201	0.03159219
A_14_P113409	9	27546647	27546704	225268	C9orf72	1.116391	0.985161	-0.259616	0.1959892
A_16_P02084160	9	27551446	27551505	7046	C9orf72	1.340636	1.193084	-0.623067	-0.1960491
A_16_P02084171	9	27557144	27557203	37775	C9orf72	1.381849	1.17247	-0.558349	0.46674433
A_14_P200248	9	27562119	27562178	180797	C9orf72	1.117141	1.244048	-0.7758	0.059190586
A_16_P18591314	9	27569493	27569551	122084	chr9:027569493-027569551	0.601524	0.662508	-1.402667	-0.8106595
A_16_P02084202	9	27576132	27576191	66908	chr9:027576132-027576191	0.996202	0.828377	-0.755359	-0.2998932
A_16_P18591359	9	27590659	27590718	44022	chr9:027590659-027590718	0.922972	0.878891	-0.945807	-0.5864986
A_14_P131150	9	27616876	27616935	219055	chr9:027616876-027616935	1.549475	1.424101	-0.456619	0.37653658
A_16_P18591477	9	27651511	27651570	101844	chr9:027651511-027651570	1.029502	0.955457	-0.891707	-0.28566518
A_16_P18591544	9	27676969	27677028	49217	chr9:027676969-027677028	1.104827	1.187558	-0.7322	-0.059111804
A_16_P18591661	9	27721268	27721327	6162	chr9:027721268-027721327	1.032444	0.997971	-0.773845	-0.24994254
A_16_P02084423	9	27745844	27745902	1572	chr9:027745844-027745902	1.290637	1.308369	-0.435764	0.14964196
A_14_P134672	9	27767632	27767691	8038	chr9:027767632-027767691	1.21614	1.299198	-0.588358	0.063554004
A_16_P02084476	9	27787975	27788034	190594	chr9:027787975-027788034	1.380269	1.449359	-0.446363	0.32827306
A_16_P18591781	9	27820251	27820310	225807	chr9:027820251-027820310	1.733082	1.6143	0.050738	0.3410242
A_16_P38689376	9	27831723	27831782	28570	chr9:027831723-027831782	1.107494	1.138207	-0.804839	-0.2136625
A_16_P18591984	9	27865071	27865130	72158	chr9:027865071-027865130	1.421892	1.364813	-0.316235	0.22363584
A_16_P18592064	9	27889652	27889711	145268	chr9:027889652-027889711	1.060777	1.40136	-0.828434	-0.050492376
A_14_P129354	9	27906783	27906842	101092	chr9:027906783-027906842	1.585518	1.522798	-0.176413	0.40702593
A_16_P18592137	9	27920767	27920826	190844	chr9:027920767-027920826	1.62289	1.542058	-0.179692	0.47519812
A_16_P18592174	9	27931962	27932021	28679	BX538226	1.275629	1.584116	-0.161622	0.44897658
A_14_P135485	9	27939969	27940028	95060	LINGO2	1.762136	1.696672	-0.081575	0.6598873
A_16_P18592216	9	27945291	27945350	92477	LINGO2	0.868401	0.968068	-0.860584	-0.09059417
A_16_P38689717	9	27953308	27953367	19831	LINGO2	1.150985	1.218563	-0.619556	-0.0199534
A_16_P18592247	9	27960580	27960639	36814	LINGO2	1.452281	1.40869	-0.330163	0.32946056
A_16_P18592266	9	27965909	27965968	72741	LINGO2	1.293132	1.3157	-0.487801	-0.1622247
A_16_P02084779	9	27974198	27974257	189597	LINGO2	1.347449	1.344447	-0.511574	0.13246629
A_16_P38689810	9	27982821	27982880	152331	LINGO2	1.408918	1.142147	-0.37648	0.44743288
A_16_P18592339	9	27991821	27991880	120713	LINGO2	0.976082	0.998223	-0.895276	-0.31628478
A_16_P18592370	9	28004311	28004370	169502	LINGO2	1.289118	1.324998	-0.530839	0.15494537
A_16_P38689877	9	28009432	28009491	205466	LINGO2	1.033984	1.07251	-0.744137	-0.006780878
A_16_P18592398	9	28016855	28016914	179247	LINGO2	1.203127	1.32525	-0.680132	0.100968145
A_16_P18592422	9	28023204	28023263	74709	LINGO2	1.12636	1.284325	-0.772462	0.13163206
A_16_P18592442	9	28028897	28028956	44155	LINGO2	1.354341	1.389054	-0.340865	0.2956575
A_16_P38689973	9	28040562	28040621	82563	LINGO2	1.22182	1.638341	-0.591733	0.2265837
A_16_P38690008	9	28052304	28052363	81242	LINGO2	0.712648	0.604308	-1.222292	-0.5022027
A_16_P18592537	9	28057657	28057716	67970	LINGO2	1.319639	1.403802	-0.467057	0.30761063
A_16_P18592565	9	28067265	28067324	40210	LINGO2	0.859777	0.843177	-1.152541	-0.31079102
A_16_P18592578	9	28072556	28072615	242758	LINGO2	1.186035	1.455629	-0.563441	0.14316052
A_16_P02084966	9	28078412	28078471	193138	LINGO2	1.493172	1.566625	-0.185193	0.24215975
A_16_P02084976	9	28088731	28088790	36818	LINGO2	0.47441	0.531423	-1.450098	-0.5697735
A_16_P18592643	9	28101534	28101593	148954	LINGO2	1.430587	1.386734	-0.271956	0.4060821
A_16_P02085012	9	28116628	28116687	152227	LINGO2	1.410438	1.397929	-0.154575	0.32068536
A_16_P18592703	9	28125008	28125067	151068	LINGO2	0.506868	0.888804	-0.970921	-0.3989303
A_16_P38690220	9	28133347	28133406	91624	LINGO2	0.616715	0.865114	-0.707548	-0.20632762
A_16_P18592771	9	28145064	28145123	153515	LINGO2	0.374437	0.592701	-1.232626	-0.4100269
A_16_P38690292	9	28155086	28155145	9811	LINGO2	0.771843	1.211093	-0.777558	0.010030761
A_16_P18592824	9	28163232	28163291	162756	LINGO2	0.250524	0.666565	-1.465665	-0.8140943
A_16_P18592863	9	28175930	28175989	71235	LINGO2	0.87719	1.289903	-0.548018	0.11028499
A_16_P18592878	9	28181461	28181520	130406	LINGO2	1.279312	1.444744	0.105176	0.5601522
A_16_P18592895	9	28189070	28189129	19114	LINGO2	0.762062	1.238194	-0.434837	0.16706882
A_16_P18592917	9	28196294	28196353	141469	LINGO2	1.163459	1.233783	-0.379758	-0.109543025
A_14_P101686	9	28203365	28203424	137111	LINGO2	0.80059	1.088372	-0.359321	0.21298413
A_16_P02085177	9	28209132	28209191	239097	LINGO2	1.076312	1.236355	-0.335949	0.24982157
A_16_P18592980	9	28216376	28216435	215849	LINGO2	0.665518	1.097992	-0.482764	0.12346819
A_16_P18593003	9	28223219	28223278	14905	LINGO2	0.654786	0.939731	-0.606714	-0.16657338
A_16_P18593008	9	28239623	28239682	12432	LINGO2	0.930287	0.918207	-1.002504	-0.46376395
A_16_P18593022	9	28245837	28245896	143633	LINGO2	0.848614	0.665121	-0.670042	0.09831895
A_16_P18593044	9	28251590	28251649	109267	LINGO2	0.389609	0.649022	-1.206045	-0.68810743
A_16_P02085250	9	28265489	28265548	214199	LINGO2	1.030299	1.227041	-0.355306	0.21559
A_16_P38690590	9	28272347	28272406	68024	LINGO2	0.705792	0.966898	-0.633437	-0.003350377
A_16_P18593126	9	28283812	28283871	216235	LINGO2	0.611912	1.011844	-0.976196	-0.2496967
A_16_P18593160	9	28294971	28295030	149477	LINGO2	0.884877	1.247026	-0.42871	0.21846262

A_16_P18593197	9	28310731	28310790	193817	LINGO2	0.934837	1.183093	-0.720878	0.001434639
A_16_P18593214	9	28318562	28318621	156352	LINGO2	0.637152	1.071538	-0.791208	-0.07289961
A_16_P38690736	9	28329106	28329165	118795	LINGO2	0.443014	0.826468	-1.201055	-0.5857124
A_16_P38690757	9	28335772	28335831	232929	LINGO2	0.774539	1.285384	-0.57918	0.2996015
A_16_P18593279	9	28347447	28347506	202958	LINGO2	0.069657	0.393137	-1.45469	-0.7919937
A_16_P18593299	9	28353982	28354041	150478	LINGO2	0.397054	0.623611	-1.256231	-0.4177606
A_16_P18593339	9	28367878	28367937	113201	LINGO2	0.566877	0.955523	-0.882004	-0.12324861
A_16_P02085428	9	28376175	28376234	226158	LINGO2	0.446089	0.406479	-1.010328	-0.57913756
A_16_P18593380	9	28381666	28381725	137463	LINGO2	0.778222	1.052048	-0.591107	-0.018114626
A_16_P18593404	9	28388919	28388978	147321	LINGO2	0.915169	1.387479	-0.165924	0.11907101
A_16_P38690935	9	28400285	28400344	112081	LINGO2	0.463754	1.033197	-0.995703	-0.1467703
A_16_P18593466	9	28408992	28409051	68194	LINGO2	0.821035	1.256907	-0.610123	-0.08451933
A_16_P18593495	9	28420005	28420064	116399	LINGO2	1.027199	1.324782	-0.790279	0.22604932
A_16_P38691006	9	28425170	28425229	190901	LINGO2	0.8289	1.088899	-0.643205	0.022651926
A_16_P18593530	9	28433076	28433135	119673	LINGO2	0.907394	1.177426	-0.595942	0.16804096
A_16_P18593546	9	28440634	28440693	192332	LINGO2	0.614536	0.879817	-1.052656	-0.12594858
A_16_P18593587	9	28452103	28452162	46328	LINGO2	0.200005	1.009124	-0.895901	-0.4616716
A_16_P18593600	9	28457391	28457450	183970	LINGO2	0.774527	1.008766	-0.632459	-0.06772539
A_16_P38691117	9	28465880	28465939	79242	LINGO2	0.640195	1.000909	-0.9578	-0.20281705
A_16_P18593639	9	28471519	28471578	143757	LINGO2	0.675787	1.039974	-0.771779	-0.08661237
A_16_P18593657	9	28477524	28477583	210520	LINGO2	0.470597	0.809959	-1.020337	-0.47763002
A_16_P02085616	9	28483236	28483295	39094	LINGO2	0.881057	1.188773	-0.72531	0.016008615
A_16_P02085620	9	28490238	28490297	213269	LINGO2	0.768245	1.046725	-0.673358	-0.06476262
A_16_P18593704	9	28497312	28497371	199763	LINGO2	1.312667	1.689344	-0.438076	0.6297853
A_16_P18593719	9	28503790	28503849	197699	LINGO2	0.617761	0.954751	-1.214563	-0.318599
A_14_P113468	9	28509569	28509628	156900	LINGO2	0.609942	0.707036	-0.673856	0.06086628
A_16_P38691253	9	28521421	28521480	64186	LINGO2	0.556869	0.958252	-1.056796	-0.5748534
A_16_P18593783	9	28530732	28530791	89455	LINGO2	0.611171	0.874049	-0.866513	-0.2452094
A_16_P02085694	9	28536934	28536993	46548	LINGO2	1.115612	1.404666	-0.644981	0.3773117
A_16_P18593822	9	28551981	28552040	166933	LINGO2	0.619345	1.028822	-1.004265	-0.20876348
A_16_P18593856	9	28564371	28564430	21286	LINGO2	0.415356	0.756311	-1.160449	-0.45538825
A_16_P02085737	9	28570284	28570343	99359	LINGO2	0.743017	1.13799	-0.682041	0.020451799
A_16_P18593888	9	28575812	28575871	108841	LINGO2	0.923114	1.340048	-0.62563	0.27624154
A_16_P02085760	9	28583541	28583600	135153	LINGO2	1.021696	1.456652	-0.511681	0.23492287
A_16_P38691419	9	28588904	28588963	164307	LINGO2	0.915184	1.241423	-0.462478	0.15734331
A_16_P18593944	9	28594283	28594342	7421	LINGO2	0.934423	1.063049	-0.471032	0.3099743
A_16_P18593980	9	28607633	28607692	174156	LINGO2	0.953932	1.370397	-0.372378	0.17719531
A_16_P18593995	9	28618391	28618450	161358	LINGO2	1.042236	1.29874	-0.412057	0.2420563
A_16_P38691506	9	28624165	28624224	100820	LINGO2	0.318951	0.611151	-1.276882	-0.5473787
A_16_P38691514	9	28631593	28631652	93010	LINGO2	0.760051	1.071544	-0.661537	-0.033412814
A_16_P18594035	9	28638337	28638396	211449	LINGO2	0.860037	1.190785	-0.56063	0.1571091
A_16_P18594062	9	28649097	28649156	178952	LINGO2	0.383685	0.846935	-1.257619	-0.37704307
A_14_P201930	9	28660178	28660237	199899	LINGO2	0.419926	0.95064	-0.985657	-0.09906438
A_14_P137718	9	28660476	28660535	7543	LINGO2	0.719463	1.11412	-0.720866	0.05799736
A_16_P38691622	9	28667672	28667731	165649	LINGO2	0.803048	1.290742	-0.400474	-0.03479542
A_16_P18594139	9	28673257	28673316	125862	LINGO2	0.836558	1.252563	-0.599203	0.08243499
A_16_P18594166	9	28683054	28683113	4965	LINGO2	0.534266	1.086008	-0.83771	-0.3421234
A_16_P38691683	9	28688497	28688556	36801	LINGO2	0.598457	0.96701	-0.864282	-0.27915046
A_16_P18594188	9	28696126	28696185	62555	LINGO2	0.820587	1.353832	-0.406421	0.2886635
A_16_P18594231	9	28708395	28708454	94245	LINGO2	0.538922	0.988902	-0.920499	-0.12531525
A_16_P02085979	9	28723296	28723355	142732	chr9:028723296-028723355	0.300396	0.751664	-1.416992	-0.6352704
A_14_P120186	9	28734987	28735046	101846	chr9:028734987-028735046	0.543463	1.149168	-0.908547	-0.21360147
A_16_P18594366	9	28767359	28767418	128856	chr9:028767359-028767418	0.928434	1.363999	-0.441709	0.22213241
A_16_P18594440	9	28793548	28793607	202077	chr9:028793548-028793607	0.589424	0.941713	-0.959969	-0.23302421
A_16_P18594529	9	28822744	28822803	10861	chr9:028822744-028822803	0.55276	0.942867	-0.999448	-0.21279359
A_16_P18594578	9	28839082	28839141	45131	chr9:028839082-028839141	0.187336	0.830291	-1.366421	-0.7723069
A_16_P38692124	9	28856361	28856420	183991	chr9:028856361-028856420	0.431644	0.828904	-1.1383	-0.5013716
A_16_P18594683	9	28877359	28877418	134571	chr9:028877359-028877418	0.611823	0.948113	-1.007644	-0.4236564
A_16_P18594799	9	28922391	28922450	210173	chr9:028922391-028922450	0.520604	0.939491	-0.934507	-0.26002812
A_16_P18594862	9	28949450	28949509	135982	chr9:028949450-028949509	0.804549	1.238334	-0.78263	0.04704681
A_16_P18594915	9	28971015	28971074	93382	chr9:028971015-028971074	0.038344	0.591396	-1.377567	-0.60625905
A_16_P18594958	9	28993990	28994049	202070	chr9:028993990-028994049	0.524792	0.810434	-1.142154	-0.53754442
A_14_P111082	9	29012489	29012548	177711	chr9:029012489-029012548	0.67996	1.050712	-0.981554	-0.052292496
A_16_P38692561	9	29030479	29030538	136502	chr9:029030479-029030538	0.307474	0.789372	-1.208131	-0.6324598
A_16_P18595102	9	29056874	29056933	225875	chr9:029056874-029056933	0.150525	0.528199	-1.453195	-0.6157638
A_16_P18595148	9	29075216	29075275	27673	chr9:029075216-029075275	0.873668	1.273773	-0.69267	0.21943977
A_16_P18595229	9	29101303	29101362	172695	chr9:029101303-029101362	0.886982	1.21722	-0.964942	-0.056075603
A_16_P38692768	9	29116601	29116660	51710	chr9:029116601-029116660	0.658847	1.043923	-1.143331	-0.21202824
A_16_P18595302	9	29134790	29134849	187075	chr9:029134790-029134849	0.963469	1.417315	-0.64248	0.14866358
A_16_P02086642	9	29155476	29155535	121188	chr9:029155476-029155535	0.403137	0.917507	-1.122325	-0.35495573
A_16_P18595454	9	29186207	29186266	133378	chr9:029186207-029186266	0.66878	1.068282	-0.925087	-0.027738541
A_14_P106446	9	29209997	29210056	6797	chr9:029209997-029210056	0.764586	1.160582	0.092369	0.3432469
A_16_P18595637	9	29245323	29245382	212366	chr9:029245323-029245382	0.021899	0.289425	-2.148706	-1.0628438

A_16_P38693207	9	29289692	29289751	113268	chr9:029289692-029289751	0.794139	1.25511	-0.895684	-0.07432428
A_16_P18595815	9	29325739	29325798	72426	chr9:029325739-029325798	0.187682	0.564471	-1.628795	-0.8739524
A_16_P18595874	9	29358120	29358179	101536	chr9:029358120-029358179	0.629262	1.198974	-0.788108	-0.21464366
A_16_P18595986	9	29414766	29414825	95580	chr9:029414766-029414825	0.765588	1.29232	-0.537983	0.19626965
A_14_P102285	9	29447747	29447806	211539	chr9:029447747-029447806	0.426147	0.789937	-1.211892	-0.56722945
A_16_P38693584	9	29475125	29475184	194081	chr9:029475125-029475184	0.789594	1.204053	-0.42605	-0.057251066
A_16_P38693691	9	29534064	29534123	46334	chr9:029534064-029534123	0.620575	1.020542	-0.720774	-0.02528447
A_16_P38693759	9	29565728	29565787	235212	chr9:029565728-029565787	0.283058	0.690805	-1.390017	-0.5293584
A_14_P128761	9	29591835	29591894	106753	chr9:029591835-029591894	0.534259	0.975527	-0.905671	-0.17580014
A_16_P18596381	9	29636351	29636410	222905	chr9:029636351-029636410	0.599291	0.901997	-1.158643	-0.34505904
A_16_P18596420	9	29657438	29657497	188454	chr9:029657438-029657497	0.834745	1.15505	-0.704067	-0.04201828
A_16_P02087296	9	29685999	29686058	202693	chr9:029685999-029686058	1.315087	1.717866	-0.049759	0.68100977
A_14_P107553	9	29743333	29743392	143958	chr9:029743333-029743392	0.555306	0.974522	-0.770624	-0.19801772
A_16_P18596680	9	29778581	29778640	184903	chr9:029778581-029778640	0.584955	1.016061	-1.032774	-0.36887777
A_16_P18596741	9	29803526	29803585	188717	chr9:029803526-029803585	0.480504	0.920202	-1.118108	-0.25729698
A_16_P18596802	9	29839166	29839225	94306	chr9:029839166-029839225	0.275101	0.792352	-1.460779	-0.42113543
A_16_P18596887	9	29869482	29869541	181063	chr9:029869482-029869541	0.667732	1.043367	-0.500241	-0.043303177
A_14_P119736	9	29908743	29908802	55337	chr9:029908743-029908802	0.907988	1.213312	-0.53518	0.20191638
A_16_P18597010	9	29932601	29932660	124586	chr9:029932601-029932660	0.908874	1.242758	-0.564493	0.3340985
A_16_P18597091	9	29972920	29972979	54980	chr9:029972920-029972979	0.64822	0.991126	-1.049363	-0.115326315
A_16_P18597128	9	29996104	29996163	62288	chr9:029996104-029996163	0.60946	0.877744	-0.77574	0.046429455
A_16_P38694708	9	30018272	30018331	208624	chr9:030018272-030018331	0.816501	1.082348	-0.752511	-0.052873194
A_16_P18597249	9	30042434	30042493	145438	chr9:030042434-030042493	0.597869	1.020854	-0.81186	-0.082056224
A_16_P38694822	9	30063588	30063647	34419	chr9:030063588-030063647	0.72154	1.090268	-0.624087	-0.04171869
A_16_P18597307	9	30086705	30086764	51595	chr9:030086705-030086764	1.035119	1.222108	-0.558015	0.3062083
A_14_P106899	9	30134402	30134461	161386	chr9:030134402-030134461	0.855789	1.229485	-0.449645	0.05297555
A_16_P18597620	9	30198326	30198385	162457	chr9:030198326-030198385	0.514296	0.849838	-0.998342	-0.31233084
A_16_P18597727	9	30237394	30237453	34357	chr9:030237394-030237453	0.629083	1.06926	-0.908783	0.03229031
A_16_P18597822	9	30286393	30286452	219373	chr9:030286393-030286452	0.495642	0.908737	-1.118434	-0.32928234
A_16_P02088115	9	30311408	30311467	134612	chr9:030311408-030311467	0.364705	0.769834	-1.299501	-0.38948458
A_16_P18597912	9	30347226	30347285	42229	chr9:030347226-030347285	0.930485	1.129056	-0.599867	-0.02726096
A_16_P18597967	9	30374457	30374516	209342	chr9:030374457-030374516	0.573394	0.982735	-1.222215	-0.35290092
A_16_P38695495	9	30392242	30392301	209582	BC022036	0.071236	0.267634	-1.17435	-0.8157059
A_14_P125500	9	30414069	30414128	216993	BC022036	0.727073	1.106237	-1.10761	-0.567318
A_16_P02088224	9	30425335	30425394	19563	BC022036	0.106564	0.287272	-1.18834	-1.3731838
A_16_P18598071	9	30444191	30444250	137494	BC022036	0.99595	1.30303	-0.384726	0.41372913
A_16_P18598091	9	30457031	30457090	39861	BC022036	0.678167	1.008908	-0.874996	-0.2020331
A_16_P18598120	9	30468862	30468921	102941	BC022036	0.778858	1.015165	-0.676578	0.099506624
A_16_P18598148	9	30480741	30480800	68657	BC022036	0.5747	0.908513	-0.817607	-0.19000679
A_16_P18598160	9	30490204	30490263	88756	BC022036	0.599264	1.180076	-1.081776	-0.5030834
A_16_P18598202	9	30510898	30510957	168052	BC022036	0.48631	0.913601	-1.130036	-0.4945544
A_16_P18598247	9	30524794	30524853	201950	BC022036	0.272263	0.558877	-1.040554	-0.4733653
A_14_P133121	9	30542335	30542394	243489	BC022036	0.206008	0.469163	-1.350781	-0.6948773
A_16_P18598290	9	30556050	30556109	151148	BC022036	0.622023	0.98313	-0.919571	-0.00934197
A_16_P18598304	9	30566082	30566141	155972	chr9:030566082-030566141	0.621017	1.382429	-0.360497	0.2891667
A_16_P18598349	9	30588350	30588409	39037	chr9:030588350-030588409	0.254806	0.606674	-1.371334	-0.6771784
A_16_P18598390	9	30608952	30609011	238413	chr9:030608952-030609011	0.37227	0.716007	-1.250495	-0.47725272
A_16_P18598430	9	30624087	30624146	10865	chr9:030624087-030624146	0.710822	0.939802	-0.757293	-0.30860412
A_16_P18598494	9	30650176	30650235	196645	chr9:030650176-030650235	0.456317	0.752247	-0.995349	-0.27095762
A_16_P18598584	9	30684198	30684257	176949	chr9:030684198-030684257	0.508897	0.840373	-0.822521	-0.24096149
A_16_P18598625	9	30701341	30701400	117265	chr9:030701341-030701400	0.602978	0.897088	-0.743783	-0.4225725
A_14_P116437	9	30737580	30737639	55110	chr9:030737580-030737639	0.409564	0.740405	-1.237303	-0.97937465
A_16_P18598841	9	30794907	30794966	196715	chr9:030794907-030794966	0.501312	0.883148	-0.807803	-0.18064916
A_16_P18598867	9	30804582	30804641	5664	chr9:030804582-030804641	0.883574	1.133827	-0.640227	0.05578102
A_16_P18598888	9	30814798	30814857	98412	chr9:030814798-030814857	0.712494	0.973859	-0.80772	-0.08071041
A_16_P38696413	9	30823008	30823067	234960	chr9:030823008-030823067	0.317572	0.702796	-1.153469	-0.6564845
A_16_P18598913	9	30830303	30830362	14879	chr9:030830303-030830362	0.567699	0.963264	-0.846821	-0.059744686
A_16_P18598931	9	30839442	30839501	42034	chr9:030839442-030839501	-0.082673	0.723329	-1.409059	-0.9753512
A_16_P18598965	9	30854697	30854756	52719	chr9:030854697-030854756	0.513384	0.783343	-1.022818	-0.39763463
A_16_P18599070	9	30898283	30898342	27265	chr9:030898283-030898342	0.336825	0.802194	-1.016192	-0.38116395
A_16_P02088872	9	30923127	30923186	132158	chr9:030923127-030923186	1.20308	1.520744	-0.057069	0.5680698
A_16_P18599203	9	30958682	30958741	80934	chr9:030958682-030958741	0.715713	1.049754	-0.90314	-0.26811743
A_16_P02088940	9	30982433	30982492	182100	chr9:030982433-030982492	0.855094	1.0649	-0.558439	0.26283723
A_14_P135246	9	31013099	31013158	189989	chr9:031013099-031013158	0.700823	0.993024	-0.31183	0.10098245
A_16_P18599416	9	31056431	31056490	7424	chr9:031056431-031056490	0.81921	1.048029	-0.697295	-0.04462719
A_16_P02089086	9	31094145	31094204	197304	chr9:031094145-031094204	1.316713	1.229893	-0.433542	0.42007166
A_16_P18599583	9	31134867	31134926	57695	chr9:031134867-031134926	1.065008	1.216314	-0.23558	0.16429654
A_14_P139251	9	31181538	31181597	206960	chr9:031181538-031181597	0.879023	0.991558	-0.268943	0.2897979
A_16_P18599743	9	31208658	31208717	236300	chr9:031208658-031208717	0.398871	0.720439	-1.031514	-0.46875787
A_16_P38697268	9	31226755	31226814	227413	chr9:031226755-031226814	0.284357	0.5314	-1.242218	-0.4614756
A_16_P38697299	9	31239564	31239623	71734	chr9:031239564-031239623	0.611541	0.962716	-0.660388	-0.112778306
A_16_P02089288	9	31252944	31253003	9496	chr9:031252944-031253003	0.111861	0.382149	-1.513201	-1.0491626
A_16_P18599861	9	31260683	31260742	165653	chr9:031260683-031260742	0.44522	0.762549	-1.062397	-0.54721045

A_16_P38697389	9	31275128	31275187	98828	chr9:031275128-031275187	0.748734	0.803926	-0.757571	-0.3096655
A_16_P18599923	9	31297979	31298038	24496	chr9:031297979-031298038	0.519576	0.869468	-0.920287	-0.15599194
A_16_P38697488	9	31331152	31331211	39938	chr9:031331152-031331211	0.597639	0.942874	-0.724293	-0.24724331
A_14_P114603	9	31357313	31357372	44444	chr9:031357313-031357372	0.993079	1.247276	-0.291355	0.27581364
A_16_P18600101	9	31372245	31372304	104726	chr9:031372245-031372304	0.748556	1.011177	-0.98954	-0.2430577
A_16_P18600193	9	31408398	31408457	235853	chr9:031408398-031408457	0.495234	0.679905	-1.098135	-0.46871376
A_16_P38697757	9	31429061	31429120	156887	chr9:031429061-031429120	0.692002	1.163135	-0.642003	-0.015000209
A_16_P38697805	9	31448495	31448554	94343	chr9:031448495-031448554	0.726621	0.942479	-0.696272	-0.15278709
A_14_P133601	9	31463840	31463899	151453	chr9:031463840-031463899	0.615694	0.971579	-0.734702	-0.156239
A_16_P18600384	9	31485367	31485426	210362	chr9:031485367-031485426	0.617049	0.881749	-0.878391	-0.26344976
A_16_P18600398	9	31492861	31492920	123831	chr9:031492861-031492920	1.099457	1.215051	-0.221756	0.2631358
A_16_P02089638	9	31500540	31500599	85128	chr9:031500540-031500599	0.424472	0.75014	-1.191798	-0.6024718
A_16_P18600431	9	31511170	31511229	218477	chr9:031511170-031511229	0.675528	1.06746	-0.782778	-0.06872171
A_16_P18600463	9	31523222	31523281	88274	chr9:031523222-031523281	0.966452	1.136086	-0.496944	0.16329095
A_16_P02089678	9	31532873	31532932	162514	chr9:031532873-031532932	1.092128	1.30079	-0.363157	0.26401907
A_16_P02089716	9	31557865	31557924	160962	chr9:031557865-031557924	1.025761	1.294274	-0.346911	0.16106546
A_16_P38698105	9	31576295	31576354	70762	AK124280	0.481352	0.837711	-0.704625	-0.27948225
A_16_P18600646	9	31589010	31589069	200532	AK124280	0.867763	1.226958	-0.434376	0.20839983
A_16_P38698169	9	31597599	31597658	97711	AK124280	0.633072	1.017681	-0.742308	-0.124454945
A_16_P18600694	9	31605752	31605811	62161	AK124280	0.840986	1.305502	-0.492464	0.10882622
A_16_P18600726	9	31617795	31617854	218888	AK124280	0.660749	1.046155	-0.781096	0.03866367
A_16_P02089852	9	31632000	31632059	103399	AK124280	1.268407	1.525314	-0.142979	0.40226585
A_16_P38698302	9	31644235	31644294	109014	AK124280	0.344557	0.621407	-1.019604	-0.5711196
A_16_P18600856	9	31664449	31664508	90318	AK124280	0.404041	0.788765	-1.175289	-0.5257494
A_16_P38698405	9	31681989	31682048	187118	AK124280	0.65033	1.033461	-0.816636	-0.07234651
A_16_P02089971	9	31702883	31702942	4633	AK124280	1.360717	1.56584	0.132267	0.7134594
A_14_P101829	9	31713924	31713983	105793	AK124280	0.481482	0.504597	-1.084683	-0.2672114
A_16_P18601044	9	31733442	31733501	76615	AK124280	0.795536	1.105365	-0.640332	-0.10945907
A_16_P18601144	9	31788994	31789053	201180	chr9:031788994-031789053	0.677228	1.107497	-1.331356	-0.066370934
A_16_P18601231	9	31829311	31829370	216892	chr9:031829311-031829370	0.541965	1.038656	-0.694612	-0.30965787
A_16_P38698772	9	31860094	31860153	43356	chr9:031860094-031860153	0.784526	0.993865	-1.033834	-0.24096388
A_14_P136706	9	31881415	31881474	152684	chr9:031881415-031881474	-0.467867	-0.002461	-1.980525	-1.5191152
A_16_P38698894	9	31913915	31913974	34684	chr9:031913915-031913974	0.613286	1.14871	-0.725049	-0.14632899
A_16_P18601437	9	31933737	31933796	137218	chr9:031933737-031933796	0.373432	0.828012	-1.061582	-0.5331305
A_16_P18601490	9	31976262	31976321	87644	chr9:031976262-031976321	0.171336	0.354989	-1.355029	-0.75759166
A_14_P104494	9	32020469	32020528	216334	chr9:032020469-032020528	0.884072	1.111735	-0.267451	0.07433842
A_16_P18601652	9	32063962	32064021	133907	chr9:032063962-032064021	0.509027	0.990752	-0.759281	-0.28560227
A_16_P18601710	9	32084190	32084249	211103	chr9:032084190-032084249	0.662306	0.794742	-0.715821	-0.16666421
A_16_P38699284	9	32131856	32131915	145190	chr9:032131856-032131915	0.509944	0.951849	-0.865951	-0.17504379
A_16_P02090480	9	32162607	32162666	56160	chr9:032162607-032162666	0.85901	1.309328	-0.514169	-0.032394886
A_14_P120414	9	32195770	32195829	196354	chr9:032195770-032195829	0.309391	0.595034	-0.517754	-0.32318342
A_16_P18601982	9	32241230	32241289	85412	chr9:032241230-032241289	1.126021	1.60721	-0.043915	0.53146636
A_16_P18602081	9	32283241	32283300	52655	chr9:032283241-032283300	1.15843	1.535046	-0.092135	0.58344615
A_16_P02090644	9	32310976	32311035	163006	chr9:032310976-032311035	0.914865	1.314578	-0.368685	0.15144451
A_16_P18602166	9	32331957	32332016	36062	chr9:032331957-032332016	1.163538	1.572007	-0.359953	0.3905605
A_16_P38699691	9	32349951	32350010	63258	chr9:032349951-032350010	0.744087	0.997117	-0.899664	-0.11474672
A_16_P38699702	9	32358928	32358987	79280	chr9:032358928-032358987	0.7425	1.01282	-0.810501	-0.1926375
A_14_P201522	9	32374264	32374323	151893	chr9:032374264-032374323	0.576005	0.835823	-0.861256	-0.48277003
A_14_P102783	9	32375919	32375966	187270	ACO1	0.839861	1.109052	0.337978	0.6565035
A_16_P18602285	9	32385746	32385805	1432	ACO1	0.892251	1.06377	-0.516398	0.1686286
A_16_P02090766	9	32398614	32398673	147394	ACO1	0.936882	1.401693	-0.488923	0.044151023
A_16_P02090785	9	32408146	32408205	29513	ACO1	0.960892	1.497426	-0.506669	0.26785144
A_14_P138680	9	32415365	32415424	7732	ACO1	1.13E-04	0.337619	-1.573132	-1.0429847
A_16_P02090813	9	32423786	32423845	17784	ACO1	0.69153	1.15366	-0.569121	-0.030496687
A_16_P18602432	9	32429770	32429829	187128	ACO1	0.87515	1.10197	-0.70544	-0.046717063
A_16_P18602453	9	32440560	32440619	43771	ACO1	1.099455	1.527932	-0.313272	0.45197144
A_14_P136455	9	32446057	32446116	219938	DDX58	1.045523	1.550308	-0.204867	0.44363964
A_16_P18602496	9	32456250	32456309	24617	DDX58	0.932117	1.342697	-0.437972	0.13419074
A_16_P38700021	9	32463040	32463099	66772	DDX58	0.276078	0.737156	-1.170875	-0.638819
A_16_P18602530	9	32471409	32471468	142106	DDX58	0.809599	1.002477	-0.481844	-0.089565724
A_16_P18602569	9	32482509	32482568	10648	DDX58	1.063273	1.529189	-0.200687	0.5149013
A_16_P38700096	9	32490919	32490978	88867	DDX58	0.981215	1.370178	-0.139363	0.15425514
A_16_P18602591	9	32496630	32496689	148501	DDX58	0.603035	0.994058	-0.955483	-0.43171102
A_16_P38700118	9	32505542	32505601	55594	DDX58	0.987397	1.377842	-0.433676	0.16702166
A_14_P129780	9	32514411	32514470	163655	DDX58	0.646651	0.992094	-0.711919	-0.27627867
A_16_P18602614	9	32521288	32521347	60389	chr9:032521288-032521347	1.079496	1.349164	-0.369918	0.27220947
A_16_P18602626	9	32527229	32527288	10656	chr9:032527229-032527288	1.417049	1.767818	0.072708	0.66233516
A_16_P38700163	9	32534144	32534203	72635	TOPORS	0.743521	0.984242	-0.698034	-0.1254408
A_14_P126475	9	32538760	32538819	9696	TOPORS	1.156692	1.366847	-0.308254	0.18292293
A_14_P107037	9	32541259	32541318	131994	TOPORS	0.665623	1.064101	-0.854028	-0.21696684
A_14_P135984	9	32548887	32548946	90556	NDUFB6	0.718778	1.112232	-0.734668	-0.23631409
A_16_P02090981	9	32552371	32552430	158796	NDUFB6	1.145152	1.592161	0.049647	0.5881773
A_16_P18602707	9	32556055	32556110	22526	NDUFB6	0.80456	1.268613	-0.516609	0.11983739

A_16_P02090992	9	32562552	32562611	33291	NDUFB6	1.133097	1.214035	-0.318273	0.28280967
A_16_P38700253	9	32572118	32572177	20633	chr9:032572118-032572177	1.296205	1.607179	-0.095676	0.5136323
A_16_P18602755	9	32579683	32579742	194339	chr9:032579683-032579742	0.386164	0.788038	-1.011024	-0.3287549
A_16_P18602774	9	32591721	32591780	72579	chr9:032591721-032591780	1.099684	1.481325	-0.201015	0.38545382
A_16_P18602791	9	32598689	32598748	190071	chr9:032598689-032598748	0.265411	0.706792	-1.244099	-0.65821075
A_16_P38700335	9	32607736	32607795	36327	chr9:032607736-032607795	0.174723	0.680872	-1.359442	-0.66084725
A_16_P02091055	9	32614635	32614694	217774	chr9:032614635-032614694	1.132032	1.543795	-0.185199	0.37525994
A_14_P108455	9	32623070	32623127	99283	TAF1L	1.384173	1.8337	0.17913	0.6720832
A_16_P38700386	9	32631607	32631666	87481	AK091653	1.232603	1.596892	-0.134248	0.16638719
A_16_P18602886	9	32639296	32639355	228650	chr9:032639296-032639355	0.775625	1.163333	-0.633397	-0.24744081
A_16_P18602901	9	32652137	32652196	138351	chr9:032652137-032652196	0.850844	1.20091	-0.52929	-0.14831302
A_16_P38700467	9	32665006	32665065	178186	chr9:032665006-032665065	0.885585	1.226385	-0.554342	0.079380855
A_16_P02091127	9	32680591	32680650	173623	chr9:032680591-032680650	0.995179	1.295072	-0.534934	0.054841504
A_16_P02091155	9	32696671	32696730	118506	chr9:032696671-032696730	1.398087	1.749102	-0.092443	0.7068632
A_16_P18603030	9	32711784	32711843	100168	chr9:032711784-032711843	0.845696	1.108427	-0.604264	-0.12800103
A_16_P38700602	9	32730111	32730170	115744	chr9:032730111-032730170	0.937288	1.499092	-0.527526	0.1440033
A_16_P02091219	9	32749696	32749755	31627	chr9:032749696-032749755	0.736113	1.169212	-0.796071	-0.26524436
A_16_P18603139	9	32757415	32757474	94920	chr9:032757415-032757474	1.070056	1.438075	-0.391681	0.2937766
A_16_P38700688	9	32769204	32769263	157388	chr9:032769204-032769263	0.685663	0.953928	-0.816896	-0.32279724
A_16_P38700711	9	32777173	32777232	20319	LOC401498	0.94934	1.22095	-0.522244	-0.002699122
A_16_P02091268	9	32784055	32784114	146597	chr9:032784055-032784114	1.007736	1.197027	-0.633279	-0.010610044
A_16_P18603211	9	32792206	32792265	87657	chr9:032792206-032792265	1.195383	1.393703	-0.359105	0.27531996
A_16_P18603224	9	32803501	32803560	132140	chr9:032803501-032803560	0.418266	0.739815	0.049321	0.7487055
A_14_P139980	9	32834623	32834682	235989	chr9:032834623-032834682	1.09965	1.442746	-0.328451	0.38984373
A_16_P02091385	9	32827237	32827296	46786	chr9:032827237-032827296	1.016309	1.461803	-0.441117	0.18677777
A_16_P18603472	9	32894286	32894345	170523	chr9:032894286-032894345	1.229042	1.569547	-0.456791	0.59814537
A_16_P02091477	9	32929464	32929523	134140	chr9:032929464-032929523	0.754815	1.117086	-0.855968	-0.19672483
A_16_P38701115	9	32945146	32945205	66082	AK124533	1.288979	1.556231	-0.166112	0.41217637
A_16_P02091500	9	32955637	32955696	152633	chr9:032955637-032955696	0.780018	1.143185	-0.74521	-0.20715272
A_16_P18603629	9	32962547	32962606	165577	chr9:032962547-032962606	0.767617	1.194058	-0.536051	-0.19407645
A_16_P02091526	9	32966827	32966886	55571	APTX	0.823196	1.155203	-0.609389	-0.41449356
A_14_P202089	9	32972795	32972853	101930	APTX	1.112133	1.423845	-0.238403	0.27054346
A_14_P121977	9	32978063	32978122	91474	APTX	0.997879	1.285134	-0.413686	0.1143325
A_16_P18603689	9	32986579	32986638	166873	APTX	1.154418	1.48511	-0.312657	0.26088706
A_16_P02091562	9	32992776	32992835	129868	chr9:032992776-032992835	1.229135	1.496621	-0.002872	0.36820167
A_16_P38701251	9	33002120	33002179	97335	chr9:033002120-033002179	1.013064	1.4537	-0.492962	0.06986304
A_16_P38701264	9	33006369	33006428	71269	chr9:033006369-033006428	1.091697	1.435842	-0.258344	0.206548
A_16_P02091584	9	33013791	33013850	181776	chr9:033013791-033013850	1.051427	1.396676	-0.341127	0.24322103
A_14_P102776	9	33019002	33019061	161800	DNAJA1	1.20466	1.447431	-0.069423	0.39412266
A_14_P108970	9	33025827	33025886	213020	DNAJA1	1.623564	1.864461	0.291811	0.8285891
A_14_P106115	9	33027699	33027758	42063	DNAJA1	1.197738	1.480417	-0.342521	0.29514116
A_14_P137305	9	33036145	33036204	239652	SMU1	0.941678	1.266876	-0.669261	-0.14927629
A_16_P02091634	9	33042775	33042834	7740	SMU1	0.490337	0.794232	-0.937723	-0.43983996
A_16_P38701404	9	33050557	33050616	85514	SMU1	0.862798	1.17104	-0.556168	-0.023035094
A_16_P38701430	9	33061478	33061537	9417	SMU1	1.220655	1.482097	-0.070696	0.322533
A_14_P100153	9	33066240	33066291	222127	SMU1	1.811039	2.035186	0.658919	1.0474653
A_16_P02091682	9	33074788	33074847	53557	chr9:033074788-033074847	1.708026	1.810636	0.292757	0.7117016
A_16_P38701475	9	33090287	33090346	149732	chr9:033090287-033090346	1.154558	1.509288	-0.221477	0.20458391
A_16_P02091697	9	33097359	33097414	68651	BC045773	1.453414	-0.019376	0.134292	0.5942411
A_16_P38701521	9	33103000	33103059	122487	B4GALT1	0.893498	1.325194	-0.458889	0.09357345
A_14_P117645	9	33114815	33114874	102843	B4GALT1	1.062836	1.595724	-0.335251	0.25945717
A_16_P02091744	9	33119975	33120034	2676	B4GALT1	1.215391	1.647254	-0.201914	0.45850915
A_16_P02091756	9	33126111	33126170	205736	B4GALT1	0.976029	1.423533	-0.538039	0.057920948
A_16_P18604047	9	33133742	33133801	154135	B4GALT1	1.203589	1.223908	-0.220766	-0.082268566
A_16_P18604066	9	33144643	33144702	224547	B4GALT1	1.4787	1.804192	0.143462	0.5874754
A_14_P119243	9	33155416	33155475	3985	B4GALT1	1.348366	1.742524	0.010014	0.6035248
A_16_P18604126	9	33168488	33168547	21290	chr9:033168488-033168547	1.822642	1.54488	-0.08924	0.48603696
A_16_P18604180	9	33194393	33194452	120960	chr9:033194393-033194452	1.385339	1.111088	-0.620178	-0.076450944
A_16_P18604215	9	33209274	33209333	141845	chr9:033209274-033209333	1.489811	1.222866	-0.575157	-0.11564654
A_16_P18604236	9	33215728	33215787	168229	chr9:033215728-033215787	1.998004	1.652865	-0.131451	0.5616996
A_16_P38701836	9	33227011	33227070	45861	chr9:033227011-033227070	1.759185	1.514299	-0.212726	0.47991538
A_16_P02091898	9	33232155	33232210	202006	SPINK4	1.320928	1.260395	0.064476	0.5940546
A_14_P139968	9	33238412	33238467	177994	SPINK4	1.986831	1.682234	-0.012966	0.4070051
A_14_P136108	9	33245269	33245317	242523	BAG1	2.059919	2.029667	0.598398	0.9694859
A_16_P38701909	9	33251034	33251093	226560	BAG1	1.37487	1.286547	-0.711195	-0.38292247
A_14_P132950	9	33257864	33257923	1611	CHMP5	1.585169	1.48389	-0.127538	0.3492415
A_16_P38701960	9	33266360	33266419	195414	CHMP5	1.51066	1.344144	-0.403321	0.071544304
A_16_P02091974	9	33274577	33274636	209120	chr9:033274577-033274636	1.888208	1.566798	-0.261558	0.4441347
A_16_P38702019	9	33284346	33284405	57552	NFX1	0.868287	1.356695	-0.577269	-0.070807725
A_14_P105756	9	33293233	33293292	42189	NFX1	0.937712	1.23944	-0.450686	-0.17426208
A_16_P18604482	9	33303591	33303650	119771	NFX1	1.42665	1.76424	-0.03023	0.5099056
A_16_P02092026	9	33308882	33308941	229303	NFX1	1.047497	1.379846	-0.243128	0.07931263
A_16_P02092033	9	33318641	33318700	47895	NFX1	1.289436	1.645656	-0.053487	0.31818557

A_16_P38702123	9	33328418	33328477	151342	NFX1	0.832193	1.290334	-0.597477	0.03128819
A_14_P126317	9	33337012	33337070	76722	NFX1	1.120824	1.554348	-0.33214	0.27258363
A_16_P02092060	9	33344135	33344194	8506	NFX1	1.208116	1.485577	-0.176852	0.25979808
A_16_P18604577	9	33354826	33354885	141879	NFX1	0.978894	1.239687	-0.632622	-0.07671535
A_16_P02092085	9	33360763	33360821	68284	NFX1	1.136864	1.682756	-0.214292	0.19631873
A_16_P02092099	9	33368273	33368325	59688	chr9:033368273-033368325	1.797895	1.956612	0.683418	1.0616028
A_16_P02092107	9	33374723	33374771	45525	chr9:033374723-033374771	0.99858	1.34355	0.024891	0.40534574
A_14_P138615	9	33394021	33394066	183828	chr9:033394021-033394066	1.244937	1.629422	0.554447	0.7423109
A_16_P18604687	9	33400753	33400804	91760	chr9:033400753-033400804	0.89378	1.365582	0.237338	0.5695379
A_16_P02092128	9	33407831	33407887	53211	chr9:033407831-033407887	1.016398	0.901562	0.2248	0.22556762
A_16_P38702330	9	33412574	33412633	48437	chr9:033412574-033412633	0.848402	1.273853	-0.030848	-0.27476698
A_16_P38702342	9	33417475	33417524	133230	chr9:033417475-033417524	1.166681	1.582606	0.397199	0.52371323
A_16_P02092146	9	33424021	33424080	14605	chr9:033424021-033424080	1.09923	1.487314	0.521578	0.32045168
A_14_P113876	9	33431267	33431326	13851	AQP3	1.442901	1.741952	0.752706	0.51962423
A_16_P02092172	9	33436925	33436984	232563	AQP3	1.134057	1.569327	0.496056	0.529274
A_16_P02092180	9	33442676	33442731	43596	AK128272	1.071768	1.383402	-0.462582	0.14036646
A_16_P18604817	9	33448496	33448555	206193	chr9:033448496-033448555	1.325929	1.693748	0.060012	0.37492546
A_16_P02092197	9	33451584	33451643	20795	NOL6	0.992178	1.434091	-0.377292	0.2112851
A_14_P125761	9	33456965	33457009	94386	NOL6	1.099258	1.451797	0.471468	0.8525078
A_14_P200911	9	33463213	33463272	129097	NOL6	0.980885	1.359832	-0.575327	0.011154994
A_16_P02092228	9	33468480	33468539	17254	chr9:033468480-033468539	0.99984	1.463689	-0.388594	0.17546998
A_16_P18604870	9	33474125	33474184	169401	chr9:033474125-033474184	1.440809	1.778676	0.363073	0.6141968
A_16_P02092236	9	33485659	33485718	194964	chr9:033485659-033485718	0.599659	0.967896	-0.535207	-0.15350547
A_16_P02092246	9	33492692	33492751	168527	chr9:033492692-033492751	-0.072774	0.447393	-0.97681	-0.7174585
A_16_P02092254	9	33503496	33503555	237643	chr9:033503496-033503555	1.063116	1.501228	-0.152931	0.42886174
A_16_P02092259	9	33514238	33514282	63301	chr9:033514238-033514282	0.822826	0.696626	0.030762	0.47146925
A_16_P02092271	9	33545000	33545059	38608	BC009440	0.354703	-0.543495	-0.11579	0.362073
A_16_P38702775	9	33562679	33562738	225588	chr9:033562679-033562738	0.408631	0.738727	-0.559263	0.12364471
A_16_P02092278	9	33598877	33598934	72383	chr9:033598877-033598934	1.205864	1.666999	-0.127171	0.6925302
A_16_P02092290	9	33611015	33611072	75313	chr9:033611015-033611072	1.052825	1.15847	-0.361041	0.13579628
A_16_P02092300	9	33621117	33621176	52425	chr9:033621117-033621176	0.78907	1.464775	-0.615015	-0.05575168
A_16_P02092316	9	33630163	33630222	221273	chr9:033630163-033630222	1.064323	1.516989	-0.403935	0.37917382
A_16_P02092319	9	33636818	33636877	11782	chr9:033636818-033636877	0.833892	1.134225	-0.584532	-0.019212157
A_16_P02092341	9	33654927	33654986	24033	chr9:033654927-033654986	1.113804	1.526132	-0.26177	0.31193393
A_16_P02092345	9	33666369	33666428	189819	BC038293	0.883221	1.222466	-0.668747	-0.015462443
A_16_P02092352	9	33676983	33677042	127843	chr9:033676983-033677042	1.273755	1.714761	0.023404	0.76138127
A_16_P02092362	9	33683553	33683612	162956	chr9:033683553-033683612	1.330704	1.678099	-0.118011	0.5858073
A_16_P18605386	9	33705100	33705159	182162	chr9:033705100-033705159	0.897275	1.49814	-0.402069	0.3452265
A_16_P38703098	9	33722828	33722887	222091	chr9:033722828-033722887	1.159999	1.476688	-0.082613	0.30752388
A_16_P02092395	9	33738074	33738133	6613	chr9:033738074-033738133	1.280168	1.539168	0.552168	0.72663254
A_14_P134218	9	33745689	33745748	239600	X71345	0.698844	1.129653	-0.119005	-0.063586
A_16_P02092407	9	33757107	33757166	145659	X71345	0.394069	0.948671	-1.145341	-0.66483253
A_16_P38703158	9	33762934	33762985	15858	X71345	0.968959	1.28745	0.081394	0.043595523
A_16_P02092412	9	33767785	33767844	97256	X71345	1.03443	1.392816	-0.243974	0.20662174
A_16_P02092413	9	33773609	33773668	101650	X71345	0.300453	0.422852	-1.498008	-0.6165129
A_14_P124089	9	33778378	33778437	57383	X71345	1.10151	1.279687	0.240835	0.5380734
A_16_P02092421	9	33782344	33782403	9057	X71345	0.595823	1.466824	-0.759536	-0.58070403
A_16_P02092429	9	33791073	33791122	162645	chr9:033791073-033791122	1.47421	1.567146	0.090226	0.42284083
A_16_P02092432	9	33803335	33803394	21219	chr9:033803335-033803394	1.030721	1.491282	-0.266019	0.3926087
A_14_P132380	9	33809009	33809068	92220	UBE2R2	1.244436	1.462881	-0.136359	0.425993
A_16_P18605583	9	33813991	33814050	84020	UBE2R2	0.911663	1.21505	-0.700046	-0.2048172
A_16_P38703282	9	33819731	33819790	12925	UBE2R2	1.246372	1.585512	-0.204138	0.21240482
A_16_P38703292	9	33831855	33831914	147065	UBE2R2	1.307693	1.606978	-0.281032	0.34500706
A_16_P18605617	9	33843650	33843709	170251	UBE2R2	1.224291	1.516727	-0.155707	0.43321422
A_14_P116012	9	33852241	33852300	112821	UBE2R2	1.391363	1.632929	0.076915	0.6067313
A_16_P02092483	9	33861643	33861702	303	UBE2R2	0.979725	1.360907	-0.447834	0.16020936
A_16_P38703354	9	33867615	33867674	73888	UBE2R2	0.580825	1.005693	-0.914728	-0.18796346
A_16_P02092492	9	33876864	33876923	33035	UBE2R2	1.123172	1.496944	-0.376781	0.25294724
A_16_P38703376	9	33882249	33882308	112902	UBE2R2	0.839321	1.046617	-0.840839	-0.2974173
A_14_P111916	9	33890470	33890529	222855	UBE2R2	0.773321	1.009277	-0.780918	-0.31822574
A_16_P18605714	9	33896674	33896733	242301	UBE2R2	1.318188	1.478914	-0.20009	0.3899267
A_16_P18605727	9	33902029	33902088	66518	UBE2R2	1.164239	1.505779	-0.103764	0.45869857
A_16_P18605748	9	33909156	33909215	162582	UBE2R2	0.938069	1.184516	-0.301478	0.06785816
A_16_P02092560	9	33916648	33916705	100881	UBAP2	1.332599	1.535746	-0.323929	0.21555772
A_16_P38703504	9	33924519	33924578	90073	UBAP2	1.388363	1.573999	-0.094105	0.45126832
A_14_P123714	9	33931822	33931881	234908	UBAP2	0.431059	0.673255	-0.167013	-0.54863614
A_16_P18605835	9	33938574	33938633	240249	UBAP2	1.142932	1.471522	-0.118147	0.3668592
A_16_P38703570	9	33947741	33947800	12099	UBAP2	1.250206	1.528579	-0.092675	-0.069158405
A_16_P18605879	9	33953144	33953203	32799	UBAP2	1.5407	1.745385	0.194179	0.7217627
A_14_P139249	9	33961695	33961753	19750	UBAP2	0.818479	1.12278	-0.923577	-0.040266782
A_16_P02092626	9	33967367	33967426	38499	UBAP2	0.794593	1.180472	-0.536802	-0.10160798
A_16_P38703624	9	33973248	33973307	74	UBAP2	1.236887	1.40901	-0.238563	0.43079108
A_16_P18605926	9	33979106	33979165	43996	UBAP2	0.863389	1.296994	-0.630457	0.10205441

A_16_P38703664	9	33988731	33988790	241412	UBAP2	0.647209	1.060266	-0.924122	-0.2339744
A_16_P18605963	9	33994068	33994127	62385	UBAP2	1.060078	1.455774	-0.388408	0.049504027
A_16_P18605969	9	34000861	34000920	5087	UBAP2	1.300682	1.508518	-0.172356	0.3633201
A_14_P106489	9	34007112	34007171	207584	UBAP2	0.344495	0.638283	-0.697799	-0.13572687
A_16_P18605996	9	34014617	34014676	50146	UBAP2	1.930573	2.584906	0.754369	1.5899321
A_16_P02092690	9	34024505	34024564	236430	UBAP2	1.131068	1.502056	-0.128227	0.30345112
A_16_P18606035	9	34037834	34037893	32122	UBAP2	0.921663	1.374507	-0.30378	0.12237172
A_16_P02092707	9	34043530	34043589	112673	chr9:034043530-034043589	0.924717	1.25522	-0.566097	-0.23380694
A_16_P18606056	9	34049175	34049234	151138	chr9:034049175-034049234	0.646115	0.9101	-0.919631	-0.33694303
A_16_P02092711	9	34054702	34054761	197187	chr9:034054702-034054761	1.290073	1.505281	-0.071669	0.39922255
A_16_P02092717	9	34060975	34061034	62710	chr9:034060975-034061034	1.415029	1.586118	0.0842	0.47657645
A_16_P38703798	9	34069235	34069294	21805	chr9:034069235-034069294	0.852518	1.148442	-0.582494	-0.20999807
A_14_P110483	9	34075974	34076033	109730	chr9:034075974-034076033	0.810789	1.050104	-0.588928	0.01636447
A_16_P02092747	9	34086687	34086746	155023	WDR40A	1.058176	1.300956	-0.553688	0.0291043
A_16_P18606131	9	34093468	34093527	123169	WDR40A	1.151451	1.526691	-0.312181	0.2510889
A_14_P127668	9	34105673	34105732	186036	WDR40A	0.231325	0.77137	-1.13379	-0.5883196
A_16_P18606170	9	34112313	34112372	38681	WDR40A	0.5589	0.839612	-0.842808	-0.4205109
A_16_P18606207	9	34126427	34126486	75360	chr9:034126427-034126486	0.686591	1.068939	-0.801813	-0.29313263
A_16_P02092797	9	34141415	34141474	92590	chr9:034141415-034141474	1.147592	1.440374	-0.505085	-0.28687748
A_16_P18606231	9	34148278	34148337	224256	chr9:034148278-034148337	0.335648	0.655935	-1.113568	-0.49292308
A_16_P18606232	9	34155943	34156002	130387	chr9:034155943-034156002	1.572027	1.913321	0.244909	0.9725691
A_14_P102740	9	34168719	34168773	64468	chr9:034168719-034168773	1.365111	1.65705	-0.003845	0.6389346
A_14_P100730	9	34177967	34178026	103811	UBAP1	0.380482	0.675898	-1.414762	-0.63670534
A_16_P18606283	9	34190356	34190415	45251	UBAP1	1.34113	1.575916	-0.164489	0.4565731
A_16_P18606295	9	34196594	34196653	12332	UBAP1	0.899083	1.186978	-0.742033	-0.20688301
A_16_P38704065	9	34210942	34211001	22285	UBAP1	1.018108	1.259001	-0.315217	0.08989532
A_16_P02092881	9	34224206	34224265	77132	UBAP1	0.681144	1.029958	-0.857863	-0.14746895
A_16_P02092890	9	34231160	34231218	35143	UBAP1	1.17076	1.583555	-0.007605	0.4952629
A_16_P02092900	9	34238723	34238781	20948	UBAP1	1.340849	1.703919	-0.058287	0.4779814
A_16_P02092910	9	34242935	34242994	241250	C9orf48	0.586126	0.867124	-1.02482	-0.38590944
A_14_P114097	9	34247917	34247975	164652	C9orf48	0.772746	1.106499	-0.718836	-0.37925237
A_16_P18606428	9	34251581	34251640	99191	chr9:034251581-034251640	0.606864	0.847762	-0.76359	-0.3657524
A_16_P18606443	9	34261228	34261287	38622	chr9:034261228-034261287	0.827814	1.156246	-0.802339	0.11291195
A_16_P02092940	9	34267524	34267583	169237	chr9:034267524-034267583	1.021944	1.369525	-0.641323	0.045304954
A_16_P38704223	9	34279555	34279614	29680	chr9:034279555-034279614	0.846114	1.145957	-0.542684	0.028020382
A_16_P38704250	9	34289909	34289968	137533	chr9:034289909-034289968	0.958654	1.283886	-0.386307	0.1691613
A_14_P104789	9	34300936	34300995	37962	AKO01795	0.603569	1.023447	-0.846995	-0.22128803
A_16_P02092996	9	34306572	34306631	39380	chr9:034306572-034306631	0.823277	1.227392	-0.576508	-0.056825817
A_16_P18606567	9	34314141	34314200	169947	chr9:034314141-034314200	1.261662	1.611854	-0.167497	0.36111405
A_16_P18606577	9	34318120	34318179	99953	chr9:034318120-034318179	1.061188	1.222173	-0.302692	-0.026471674
A_16_P18606588	9	34321777	34321836	73407	NUDT2	1.464616	1.684913	0.210548	0.70593303
A_14_P117683	9	34326250	34326303	148232	NUDT2	1.283716	1.446143	-0.094732	0.4978486
A_16_P18606610	9	34330253	34330312	44299	NUDT2	1.191542	1.511185	0.010341	0.360833478
A_16_P38704393	9	34338656	34338715	154676	chr9:034338656-034338715	1.155133	1.362611	-0.416974	0.2243833
A_16_P02093047	9	34342334	34342393	236698	chr9:034342334-034342393	1.057203	1.410485	-0.215041	0.26696154
A_16_P18606650	9	34352595	34352654	108997	chr9:034352595-034352654	1.128845	1.579451	-0.075966	0.31863195
A_16_P02093059	9	34356382	34356441	98846	chr9:034356382-034356441	1.620053	1.33481	0.074585	0.7368309
A_16_P02093061	9	34360148	34360207	11488	KIAA1161	1.331097	1.533971	-0.016302	0.5533798
A_16_P02093073	9	34365732	34365791	183642	KIAA1161	1.41973	1.754371	0.088695	0.6477257
A_14_P136312	9	34371776	34371835	153353	C9orf24	1.316561	1.599703	-0.028028	0.5941088
A_16_P18606713	9	34374785	34374844	56706	C9orf24	1.13875	1.499265	-0.293318	0.34194887
A_16_P02093095	9	34381940	34381999	190853	C9orf24	1.210068	1.432118	-0.138424	0.41110575
A_14_P102888	9	34388235	34388294	92097	C9orf25	1.153435	1.337489	-0.366235	0.1457538
A_16_P18606763	9	34396499	34396558	210680	C9orf25	0.939519	1.117636	-0.630714	0.20815064
A_16_P02093132	9	34404109	34404168	117962	C9orf25	1.515556	1.869338	0.282388	0.849383
A_16_P02093156	9	34418237	34418296	102804	C9orf25	1.370978	1.634769	0.029565	0.6341194
A_16_P18606847	9	34425296	34425355	93305	C9orf25	0.855499	1.162354	-0.634582	-0.17886713
A_16_P02093191	9	34439587	34439646	147643	C9orf25	0.982094	1.298748	-0.586802	0.06198363
A_16_P02093209	9	34448008	34448054	140353	C9orf25	0.946478	0.796707	0.239703	0.5099142
A_16_P02093220	9	34456213	34456272	46447	DNAI1	0.414532	0.822856	-1.126894	-0.5901444
A_14_P132242	9	34462039	34462098	23526	DNAI1	0.766791	1.126139	-0.639051	-0.12743956
A_16_P18606955	9	34471318	34471377	31164	DNAI1	1.536906	1.734131	-0.07389	0.6945909
A_16_P02093268	9	34487164	34487220	157080	DNAI1	0.738771	0.901845	-0.856334	-0.26142305
A_16_P02093294	9	34500055	34500113	149349	DNAI1	1.647296	1.997689	0.32226	1.0050595
A_16_P18607061	9	34507087	34507146	16039	DNAI1	0.726396	1.118049	-0.716821	-0.11888391
A_14_P117242	9	34510945	34510996	94648	DNAI1	0.754827	1.308233	-0.208888	0.52532434
A_16_P18607090	9	34515898	34515957	65041	chr9:034515898-034515957	1.245867	1.553441	-0.150471	0.4534803
A_16_P18607098	9	34525009	34525068	230171	chr9:034525009-034525068	1.299806	1.614818	-0.20295	0.40948915
A_16_P18607107	9	34528833	34528892	128130	chr9:034528833-034528892	1.50124	1.811487	0.343178	0.7555164
A_16_P02093342	9	34539246	34539305	177423	chr9:034539246-034539305	1.661531	1.922544	0.236407	0.8760698
A_16_P02093356	9	34546560	34546619	48430	CNTFR	1.133344	1.551045	-0.10791	0.44317985
A_16_P02093391	9	34562942	34563001	207488	CNTFR	1.344732	1.636086	0.092564	0.4918052
A_14_P107103	9	34578605	34578663	3437	CNTFR	0.626396	1.011352	-0.859355	-0.51545864

A_16_P02093443	9	34589376	34589435	119353	chr9:034589376-034589435	1.05884	1.311267	-0.276555	0.06347871
A_16_P02093455	9	34594480	34594539	53026	chr9:034594480-034594539	1.340685	1.545183	0.064485	0.48798558
A_14_P107615	9	34600488	34600545	48031	C9orf23	1.553256	1.905044	0.503353	1.0115823
A_14_P200249	9	34601846	34601896	147273	C9orf23	3.320144	2.473374	-0.328421	0.3551662
A_14_P119846	9	34604028	34604074	66136	DCTN3	1.459812	1.604116	0.273712	0.6341866
A_14_P103245	9	34608506	34608565	108482	DCTN3	1.112819	1.28788	-0.282145	0.33601546
A_16_P18607368	9	34612125	34612183	238810	ARID3C	1.863414	2.106959	0.74661	1.1714158
A_16_P02093493	9	34616739	34616798	196804	ARID3C	0.82186	1.078934	-0.699083	-0.24498224
A_16_P02093502	9	34621353	34621409	239367	chr9:034621353-034621409	1.588737	1.944174	0.496079	0.9049059
A_14_P107916	9	34626747	34626806	173688	OPRS1	0.937089	1.34532	-0.411449	0.013169482
A_16_P18607424	9	34633764	34633823	183174	chr9:034633764-034633823	1.291261	1.656008	-0.031991	0.56166935
A_14_P100216	9	34638095	34638150	212221	GALT	1.082867	1.363369	-0.147393	0.3256806
A_16_P18607456	9	34643535	34643591	174408	AK094689	1.299195	1.638896	-0.026273	0.50977427
A_14_P200250	9	34648339	34648398	119341	IL11RA	1.684808	1.794948	0.554027	0.9056072
A_14_P131240	9	34651841	34651899	227205	IL11RA	1.083991	1.270582	0.365041	0.9641101
A_14_P132346	9	34651900	34651957	185529	CCL27	0.684247	0.982547	-0.717394	-0.318909
A_14_P112609	9	34654682	34654738	852	BC037171	0.340051	0.717569	-0.282784	-0.24177286
A_16_P02093562	9	34659659	34659717	32660	chr9:034659659-034659717	1.259899	1.621525	0.126442	0.46955755
A_16_P18607516	9	34664332	34664391	129016	chr9:034664332-034664391	0.443408	0.927961	-1.053065	-0.43695736
A_16_P38705355	9	34670886	34670945	226078	chr9:034670886-034670945	0.93099	1.253825	-0.537486	-0.116211504
A_16_P02093577	9	34676435	34676494	87137	chr9:034676435-034676494	1.213467	1.686113	0.0181	0.5039095
A_14_P129790	9	34680988	34681036	226178	CCL19	1.908317	2.168135	0.799809	1.1418529
A_16_P02093592	9	34686506	34686565	7874	chr9:034686506-034686565	1.136448	0.945093	-0.377176	0.18880859
A_16_P18607560	9	34689649	34689708	28211	chr9:034689649-034689708	1.518474	1.71678	0.345751	0.50311637
A_16_P02093601	9	34694344	34694403	66021	chr9:034694344-034694403	1.085964	1.276234	-0.328372	0.09656913
A_16_P18607590	9	34703703	34703762	243342	chr9:034703703-034703762	0.873859	1.191705	-0.384139	0.03937927
A_16_P02093628	9	34712836	34712893	95510	chr9:034712836-034712893	1.031971	1.255403	0.034532	0.33983576
A_16_P02093638	9	34719022	34719081	51053	chr9:034719022-034719081	1.207586	1.461721	-0.219765	0.25473017
A_16_P18607669	9	34735773	34735832	155921	chr9:034735773-034735832	0.626934	0.846405	-0.99461	-0.47292697
A_16_P18607704	9	34775697	34775756	14617	chr9:034775697-034775756	1.146718	1.426447	-0.05441	0.4968687
A_16_P18607730	9	34792460	34792519	72504	chr9:034792460-034792519	1.050423	1.436985	-0.408846	0.2012764
A_16_P18607756	9	34806766	34806825	228876	chr9:034806766-034806825	1.378693	1.641471	-0.160303	0.61081386
A_16_P02093711	9	34819821	34819880	133052	AL080137	1.220817	1.43984	-0.34692	0.1989509
A_16_P02093722	9	34826627	34826683	59297	BX648118	0.762061	1.014061	-0.667043	-0.16876456
A_16_P18607821	9	34833245	34833304	234389	chr9:034833245-034833304	0.615546	1.108792	-0.945322	-0.33734387
A_16_P18607823	9	34841760	34841819	127044	chr9:034841760-034841819	0.815616	1.063561	-0.554099	-0.058984786
A_14_P112392	9	34856614	34856673	161655	chr9:034856614-034856673	1.345331	1.688361	0.002992	0.5328363
A_16_P18607845	9	34865604	34865663	118682	chr9:034865604-034865663	1.161759	1.297152	-0.267842	0.23579866
A_16_P02093752	9	34879751	34879810	61707	chr9:034879751-034879810	0.641011	0.993813	-0.828889	-0.5567307
A_16_P38705742	9	34892271	34892330	136005	chr9:034892271-034892330	0.904135	1.175765	-1.18886	0.20629053
A_16_P18607923	9	34904691	34904750	25401	chr9:034904691-034904750	1.197441	1.020212	-0.323636	0.17372784
A_16_P18607946	9	34918585	34918644	227664	chr9:034918585-034918644	1.309113	1.623544	-0.136808	0.35209835
A_16_P18607978	9	34936431	34936490	58341	chr9:034936431-034936490	0.765537	1.15916	-0.696695	-0.21308213
A_16_P38705829	9	34945832	34945891	130326	chr9:034945832-034945891	0.576788	1.013737	-0.943046	-0.38979197
A_16_P38705848	9	34950986	34951045	217841	AY956806	1.226478	1.485147	-0.007927	0.46406195
A_16_P18608047	9	34963485	34963544	238594	BC041169	1.531681	1.677784	0.044871	0.6837811
A_16_P02093864	9	34969515	34969574	240787	BC041169	1.344333	1.808087	0.11382	0.37952164
A_16_P02093874	9	34973908	34973967	79841	chr9:034973908-034973967	1.598765	1.869078	0.296966	0.74257296
A_14_P122431	9	34980765	34980815	67270	DNAJB5	1.423146	1.472574	-0.133651	0.28946918
A_14_P124958	9	34986075	34986134	237171	DNAJB5	1.162845	1.485019	-0.243605	0.20311804
A_16_P38705988	9	34988682	34988741	226198	chr9:034988682-034988741	0.844491	1.174366	-0.906993	-0.39022148
A_16_P18608152	9	35001164	35001223	35864	chr9:035001164-035001223	1.078111	1.221672	-0.188396	0.2506539
A_16_P02093915	9	35019841	35019899	173638	AK056829	1.574765	1.776821	0.440904	0.8786818
A_16_P38706029	9	35028306	35028365	109493	chr9:035028306-035028365	1.232425	1.610655	-0.015642	0.5918939
A_16_P38706037	9	35032792	35032851	144386	C9orf131	1.196889	1.666088	-0.081677	0.48322293
A_16_P02093939	9	35036415	35036474	83455	chr9:035036415-035036474	1.334342	1.669833	0.208149	0.56041586
A_16_P18608201	9	35044345	35044404	65024	chr9:035044345-035044404	1.330444	1.53108	-0.011213	0.3644585
A_14_P124926	9	35049634	35049690	70097	VCP	1.443195	1.584221	0.170358	0.54468286
A_16_P18608224	9	35052325	35052384	178584	VCP	1.429724	1.67612	-0.069652	0.6108301
A_16_P18608235	9	35055202	35055261	207819	VCP	1.558493	1.728819	0.324944	0.7499276
A_14_P103760	9	35057909	35057967	193221	VCP	0.13656	0.71348	-1.3007	-0.68481475
A_14_P127907	9	35063835	35063894	139651	FANCG	1.235206	1.53393	0.059741	0.50814116
A_14_P108514	9	35066524	35066588	175512	FANCG	1.289754	1.576805	0.210296	0.5732828
A_14_P120187	9	35068864	35068919	192537	FANCG	0.690839	1.062685	-0.535828	-0.2610614
A_16_P18608289	9	35074185	35074232	46124	chr9:035074185-035074232	1.342992	1.615402	0.078241	0.60695684
A_14_P123344	9	35080704	35080763	145963	PIGO	1.480491	1.70995	0.179804	0.7498517
A_16_P18608314	9	35083578	35083637	49806	PIGO	1.144455	1.493298	-0.211219	0.27254257
A_16_P18608327	9	35086929	35086988	158959	chr9:035086929-035086988	0.759848	0.967339	-0.784493	-0.43277317
A_14_P124126	9	35091632	35091689	8958	STOML2	1.280671	1.460631	-0.077777	0.3891639
A_14_P102628	9	35097349	35097397	216471	KIAA1539	1.050344	1.376943	-0.330623	0.198732
A_14_P122160	9	35100120	35100174	188181	KIAA1539	0.276816	0.484128	-1.175489	-0.87786746
A_14_P100981	9	35105705	35105749	72482	KIAA1539	1.383613	1.687956	0.607757	1.0248837
A_16_P18608396	9	35110237	35110296	106181	chr9:035110237-035110296	0.962376	1.348151	-0.46407	-0.015365392

A_16_P02094065	9	35113870	35113929	190862	chr9:035113870-035113929	1.084426	1.537514	-0.272694	0.07177569
A_16_P18608406	9	35125082	35125141	49503	chr9:035125082-035125141	1.191861	1.504953	0.023887	0.25111097
A_16_P02094072	9	35151556	35151615	97481	chr9:035151556-035151615	0.787803	1.141952	-0.464428	-0.15612736
A_16_P18608445	9	35159370	35159429	27320	UNC13B	1.44947	1.683631	0.293991	0.6441021
A_16_P18608467	9	35170010	35170069	183043	UNC13B	0.59971	0.940986	-0.7749	-0.17997572
A_16_P02094101	9	35175222	35175281	160947	UNC13B	1.176086	1.461094	-0.399737	0.26720357
A_14_P110697	9	35186492	35186551	146982	UNC13B	0.476972	0.631215	-1.261371	-0.60131246
A_16_P18608487	9	35198067	35198126	171023	UNC13B	1.19895	1.592712	-0.273517	0.16699283
A_16_P02094118	9	35209388	35209447	61475	UNC13B	0.843538	1.025588	-0.848517	-0.12199056
A_16_P18608518	9	35217962	35218021	5837	UNC13B	0.691228	1.002004	-0.891961	-0.5539585
A_16_P02094143	9	35227750	35227809	237452	UNC13B	1.236061	1.530196	0.084048	0.39896226
A_14_P138480	9	35233265	35233324	58792	UNC13B	0.652919	1.027164	-0.483686	-0.3901083
A_16_P02094161	9	35249627	35249686	76485	UNC13B	0.778344	1.17536	-0.651692	0.043315664
A_16_P38706504	9	35256671	35256730	87467	UNC13B	1.041961	1.254211	-0.569091	0.1831978
A_16_P02094184	9	35267670	35267729	136612	UNC13B	0.945426	1.103851	-0.619105	-0.15859741
A_16_P18608632	9	35273119	35273178	47376	UNC13B	0.89993	1.264614	-0.476303	0.13162856
A_16_P18608644	9	35278351	35278410	124742	UNC13B	0.205939	0.670424	-1.385167	-0.975093
A_16_P18608669	9	35286259	35286318	2301	UNC13B	0.994526	1.297677	-0.43598	0.0694576
A_16_P02094226	9	35294835	35294894	154563	UNC13B	0.809562	1.214064	-0.918792	-0.24316877
A_14_P135219	9	35303877	35303933	135463	UNC13B	0.749471	1.09559	-0.851078	-0.118593425
A_16_P18608738	9	35312790	35312849	74980	UNC13B	1.350402	1.627343	0.165722	0.7668265
A_16_P38706686	9	35324679	35324738	78625	UNC13B	1.177412	1.500146	-0.250322	0.31329238
A_16_P18608807	9	35334750	35334809	145021	UNC13B	1.397046	1.635256	-0.075736	0.5448248
A_16_P18608827	9	35340705	35340764	194371	UNC13B	0.078283	0.350488	-1.489264	-0.163667
A_16_P02094313	9	35346022	35346081	42265	UNC13B	0.936151	1.187252	-0.578726	-0.14396557
A_14_P133367	9	35352007	35352066	127573	UNC13B	0.728288	1.004495	-0.916211	-0.405335
A_16_P02094339	9	35364682	35364741	169539	UNC13B	1.136095	1.456842	-0.202276	0.24551547
A_16_P18608931	9	35375675	35375734	31682	UNC13B	0.324108	0.612229	-1.326733	-0.9396194
A_16_P02094377	9	35381505	35381564	77519	UNC13B	1.696079	2.072484	0.383264	0.8865897
A_14_P123722	9	35394384	35394443	173687	UNC13B	1.165945	1.444735	-0.116303	0.1113949
A_16_P02094420	9	35403115	35403174	94682	LOC158381	1.10871	1.479583	-0.172088	0.35363358
A_16_P18609034	9	35417927	35417986	114737	LOC158381	0.893177	0.952892	-0.582554	-0.28460303
A_16_P02094436	9	35423671	35423730	157259	LOC158381	1.279969	1.621271	0.100541	0.541867
A_16_P18609073	9	35434343	35434402	50004	LOC158381	1.243923	1.647702	0.004691	0.48432368
A_16_P38707035	9	35441090	35441149	214542	BC031276	0.801061	1.014413	-0.50028	-0.07588515
A_16_P02094473	9	35454480	35454539	67250	BC031276	1.073488	1.146507	-0.680028	-0.080759555
A_16_P18609123	9	35461313	35461372	7129	BC031276	0.835054	1.114897	-0.890405	-0.46185064
A_16_P02094492	9	35467102	35467161	76309	BC031276	0.560548	0.898011	-0.866702	-0.23245665
A_16_P18609158	9	35475889	35475948	47998	chr9:035475889-035475948	1.153234	1.466815	-0.256425	0.41752583
A_16_P18609180	9	35486775	35486834	225343	RUSC2	0.163521	0.690244	-1.351817	-0.7706557
A_16_P18609197	9	35495217	35495276	147919	RUSC2	0.609806	1.03814	-0.848867	-0.31989062
A_16_P18609218	9	35501498	35501557	95249	RUSC2	0.878217	1.154911	-0.807225	-0.47250348
A_16_P02094553	9	35507216	35507275	120899	RUSC2	1.591454	1.790424	0.11345	0.5701361
A_16_P18609264	9	35520515	35520574	27905	RUSC2	1.396652	1.625096	0.068897	0.9840778
A_16_P02094578	9	35526422	35526481	146119	RUSC2	1.411381	1.628538	-0.129866	0.6002261
A_14_P107058	9	35532843	35532902	75325	RUSC2	-0.098902	0.329907	-1.686905	-1.3251379
A_16_P02094607	9	35542917	35542976	215632	RUSC2	1.166387	1.326436	-0.21155	-0.02422227
A_16_P02094617	9	35548755	35548814	42519	RUSC2	1.125738	1.653918	0.019302	0.31386524
A_16_P02094630	9	35554312	35554371	44238	chr9:035554312-035554371	1.437765	1.738848	0.095741	0.62254286
A_16_P38707334	9	35564165	35564224	164816	chr9:035564165-035564224	1.15196	1.178977	-0.465013	0.0674562
A_16_P18609386	9	35580950	35581009	168621	chr9:035580950-035581009	0.895952	1.271406	-0.366342	0.1362942
A_16_P18609391	9	35587403	35587462	103047	chr9:035587403-035587462	1.310935	1.633708	0.116155	0.45194775
A_16_P02094645	9	35592931	35592990	95252	chr9:035592931-035592990	0.985589	1.181651	-0.787415	-0.33983433
A_14_P128330	9	35598815	35598866	235753	TESK1	1.884615	1.761911	0.319473	0.81839496
A_14_P116075	9	35602878	35602935	49331	CD72	0.1997	0.618555	-1.271174	-0.69168454
A_16_P18609441	9	35606351	35606410	73197	CD72	0.681793	1.116131	-0.745649	-0.2778054
A_16_P02094682	9	35609821	35609879	57491	DQ174771	0.55869	0.750144	-0.824191	-0.45419836
A_16_P02094685	9	35613486	35613545	95455	DQ174771	1.187726	1.461016	-0.174201	0.25239658
A_16_P18609467	9	35619874	35619933	165099	DQ174771	0.761596	1.51453	-0.530885	-0.22236344
A_16_P38707445	9	35626487	35626546	227445	DQ174771	0.645952	1.047899	-0.855694	-0.35302627
A_16_P02094696	9	35633491	35633550	173219	DQ174771	1.297251	1.528519	-0.019995	0.4238791
A_16_P38707466	9	35639252	35639311	201761	chr9:035639252-035639311	0.868222	1.433258	-0.683199	-0.2152549
A_16_P18609513	9	35644567	35644624	11948	chr9:035644567-035644624	0.703711	0.984323	-0.644115	-0.23741764
A_14_P132313	9	35648056	35648115	225016	chr9:035648056-035648115	1.025317	1.315033	-0.161257	0.25013295
A_16_P38707505	9	35651458	35651517	46561	C9orf100	1.022799	1.510498	-0.177249	0.15853539
A_14_P119129	9	35654853	35654900	21463	C9orf100	0.940004	1.059877	-0.557244	-0.1803298
A_16_P18609556	9	35660576	35660635	132057	BC038673	1.36744	1.666748	-0.073105	0.38379768
A_14_P121177	9	35664281	35664329	102338	CA9	1.114058	1.745424	0.134515	0.68373644
A_14_P138050	9	35667180	35667239	177158	CA9	1.440278	1.718207	0.252841	0.76339
A_14_P138856	9	35668536	35668595	72589	CA9	1.082887	1.221335	-0.345915	-0.15986267
A_14_P107838	9	35673662	35673721	8534	TPM2	0.980582	1.295187	-0.447239	-4.29E-04
A_16_P02094759	9	35678294	35678353	141104	TPM2	0.924762	1.259762	-0.477003	0.123490736
A_16_P18609626	9	35681541	35681600	167575	chr9:035681541-035681600	1.060004	1.386927	-0.431355	0.15708965

A_16_P02094776	9	35690698	35690757	204016	TLN1	1.160574	1.507174	-0.106324	0.5067729
A_14_P120241	9	35698126	35698185	46408	TLN1	0.642842	1.037323	-0.693846	-0.42027986
A_16_P02094805	9	35705257	35705316	211752	TLN1	0.599101	1.041304	-0.642124	-0.2619624
A_16_P38707747	9	35711509	35711568	118008	TLN1	0.886585	1.305339	-0.53194	-0.07109532
A_16_P02094834	9	35716736	35716795	167420	TLN1	1.275003	1.552007	-0.213357	0.35374963
A_14_P121653	9	35722931	35722978	65825	CREB3	1.373223	1.646146	0.09835	0.55391335
A_14_P135440	9	35723127	35723173	163751	CREB3	1.049774	1.267907	0.472975	0.74526745
A_14_P200251	9	35726945	35727002	220544	CREB3	1.449159	1.822798	0.25352	0.65497315
A_14_P121067	9	35727452	35727502	62567	GBA2	0.985329	1.419951	-0.272836	0.20375384
A_14_P118026	9	35728745	35728791	213563	GBA2	1.445094	1.736279	0.589001	1.0015322
A_16_P02094880	9	35737965	35738024	240699	GBA2	0.818149	0.835861	-0.621265	-0.19907632
A_16_P02094889	9	35742360	35742419	181116	KIAA0258	0.767326	1.086299	-0.787614	-0.16618511
A_14_P132355	9	35746179	35746238	25858	D87447	0.992416	1.445585	-0.361878	0.16178787
A_16_P18609841	9	35751808	35751867	163530	BC014254	1.600358	1.783827	0.223614	0.70620906
A_16_P18609854	9	35756987	35757046	174882	chr9:035756987-035757046	0.916896	1.336797	-0.394087	0.14642055
A_16_P02094933	9	35766650	35766709	82079	chr9:035766650-035766709	1.392595	1.680673	-0.022782	0.35772383
A_16_P02094947	9	35777162	35777221	13707	chr9:035777162-035777221	0.988775	1.271026	-0.438162	0.120464936
A_16_P02094962	9	35785348	35785407	232535	NPR2	1.259425	1.670954	-0.055548	0.41070664
A_16_P38708041	9	35792698	35792757	31620	NPR2	1.071661	1.125584	-0.684155	-0.22520205
A_14_P129551	9	35798809	35798862	51769	NPR2	1.757999	1.980512	0.462436	0.9477417
A_14_P200252	9	35801640	35801697	205931	SPAG8	1.018127	1.497481	-0.340848	0.099785686
A_14_P104409	9	35802929	35802988	95442	HINT2	1.632763	1.913823	0.24487	0.7610311
A_14_P200253	9	35804206	35804265	237487	HINT2	0.545984	0.683336	-1.116952	-0.5013599
A_16_P02095024	9	35811410	35811469	77160	C9orf128	1.607161	1.789288	0.532971	0.6309162
A_16_P02095033	9	35816118	35816173	12096	C9orf128	0.42623	0.541011	-1.238412	-0.7889737
A_14_P108539	9	35819796	35819840	160545	C9orf127	1.633757	1.690131	0.091797	0.6788862
A_16_P18610058	9	35824867	35824926	163041	C9orf127	1.575525	1.931844	0.200987	0.6152929
A_16_P02095057	9	35827978	35828037	135444	C9orf127	0.991888	1.495972	-0.550054	0.017692074
A_14_P115158	9	35832125	35832184	21959	C9orf127	1.038233	1.351071	-0.370876	0.101509646
A_16_P18610098	9	35837172	35837231	165493	C9orf127	0.578132	0.677611	-1.104729	-0.58122265
A_16_P38708240	9	35841460	35841519	144207	C9orf127	1.387271	1.567419	0.056066	0.55560565
A_16_P18610127	9	35845897	35845956	131712	chr9:035845897-035845956	0.572704	0.749779	-0.970249	-0.42975783
A_16_P02095109	9	35853345	35853403	208137	AL832569	1.101207	1.404175	-0.546605	0.15721443
A_16_P02095124	9	35861568	35861627	109475	chr9:035861568-035861627	1.2231	1.705023	-0.123214	0.58796924
A_16_P18610182	9	35872626	35872685	110017	chr9:035872626-035872685	0.973202	1.215615	-0.710051	-0.14896184
A_16_P02095142	9	35885033	35885092	212356	chr9:035885033-035885092	0.785029	1.163762	-0.700795	0.006860584
A_16_P18610272	9	35914336	35914395	180171	chr9:035914336-035914395	0.77027	1.217486	-0.19100922	-0.19100592
A_16_P18610304	9	35926585	35926644	128742	chr9:035926585-035926644	0.984613	1.216773	-0.631549	0.05123608
A_16_P02095216	9	35933951	35934010	65994	chr9:035933951-035934010	0.976177	1.256135	-0.597015	0.23209807
A_16_P38708471	9	35942550	35942609	104996	chr9:035942550-035942609	0.778868	1.132845	-0.863178	-0.067703515
A_14_P133985	9	35946958	35947017	170745	chr9:035946958-035947017	0.455779	0.761974	-1.107894	-0.5489177
A_16_P38708506	9	35953425	35953484	110556	chr9:035953425-035953484	1.330987	1.587438	-0.150779	0.63593024
A_16_P38708508	9	35960900	35960959	62593	chr9:035960900-035960959	0.541916	0.909268	-1.141364	-0.25055203
A_16_P18610390	9	35971395	35971454	123501	chr9:035971395-035971454	0.346751	1.667338	-0.240323	0.50056535
A_16_P18610398	9	35978317	35978376	211537	chr9:035978317-035978376	1.106392	1.346387	-0.296613	0.067332685
A_16_P18610412	9	35983590	35983649	69818	chr9:035983590-035983649	1.439547	1.641556	-0.144782	0.57451516
A_16_P18610420	9	35989498	35989557	108714	chr9:035989498-035989557	0.874637	1.22395	-0.591456	-0.011233136
A_16_P18610444	9	35997809	35997868	82687	chr9:035997809-035997868	1.21238	1.062342	-0.454249	0.20914853
A_16_P02095287	9	36004818	36004877	53344	chr9:036004818-036004877	1.307134	0.789308	-0.511545	0.46456662
A_16_P02095301	9	36019053	36019112	158048	chr9:036019053-036019112	0.847797	1.192517	-0.598234	-0.073874235
A_16_P18610508	9	36025991	36026050	161477	chr9:036025991-036026050	1.520263	1.427742	0.430428	0.5915554
A_16_P02095317	9	36031281	36031340	78234	RECK	0.822039	1.179993	-0.850525	-0.19032878
A_14_P112860	9	36042266	36042325	131114	RECK	1.168156	1.523861	-0.281167	0.34163025
A_16_P02095335	9	36048810	36048869	4723	RECK	0.808892	1.151526	-0.86245	-0.16041285
A_16_P18610580	9	36055595	36055654	106198	RECK	0.938268	1.086086	-0.709804	-0.27849892
A_16_P18610604	9	36064045	36064102	204372	RECK	0.537394	0.766227	-1.232489	-0.36395305
A_16_P38708785	9	36077943	36078002	141347	RECK	0.668524	0.949123	-1.042643	-0.37371475
A_16_P18610659	9	36083040	36083094	79324	RECK	1.441574	1.674511	0.091065	0.5855235
A_14_P131230	9	36090483	36090542	97541	RECK	0.667287	1.006112	-0.791422	-0.37363374
A_16_P38708838	9	36099908	36099967	221331	RECK	0.805141	1.199921	-0.676965	-0.18218371
A_16_P18610712	9	36105651	36105710	30853	RECK	0.684157	1.05466	-0.832346	-0.26682916
A_16_P18610731	9	36111597	36111656	225917	RECK	0.849985	1.234413	-0.755944	-0.23355389
A_16_P02095455	9	36116899	36116958	122912	chr9:036116899-036116958	0.704658	1.055726	-1.253842	-0.34522408
A_16_P18610761	9	36122444	36122502	191783	chr9:036122444-036122502	1.063539	1.420039	-0.46681	0.21741414
A_16_P02095478	9	36130660	36130718	119530	C9orf19	1.778226	2.072487	0.36033	0.98673344
A_16_P02095490	9	36135831	36135890	26443	C9orf19	1.246496	1.777571	0.203201	0.819401
A_16_P18610818	9	36141025	36141084	105966	C9orf19	1.048539	1.286037	-0.519389	-0.01002039
A_16_P02095504	9	36144634	36144693	169941	C9orf19	0.920497	1.348359	-0.498808	0.004390061
A_16_P02095507	9	36148693	36148752	201331	C9orf19	1.278946	1.672315	-0.01085	0.5576127
A_14_P130375	9	36153040	36153099	124953	C9orf19	0.829538	0.993573	-1.084007	0.11554313
A_14_P103078	9	36161237	36161296	153397	CCIN	1.187078	1.405938	-0.751127	-0.14852592
A_16_P38709022	9	36163311	36163358	124461	chr9:036163311-036163358	0.498331	0.895881	-1.024545	-0.5679099
A_16_P02095528	9	36176197	36176256	106931	chr9:036176197-036176256	1.350436	1.729235	0.009462	0.6545692

A_14_P114080	9	36182065	36182124	78784	CLTA	1.027431	1.294257	-0.514614	0.1737557
A_16_P38709062	9	36188907	36188966	69301	CLTA	0.991949	1.528006	-0.394775	0.27691662
A_16_P38709075	9	36193425	36193484	69073	CLTA	1.544209	1.911247	0.282687	0.80539876
A_16_P38709102	9	36200587	36200646	221470	CLTA	0.781175	1.231532	-0.949981	-0.32012177
A_14_P137115	9	36207256	36207315	104348	GNE	1.237531	1.626563	-1.19E-04	0.6231898
A_16_P02095600	9	36219673	36219732	142030	GNE	1.643243	1.858397	0.316952	0.75327843
A_16_P02095619	9	36236435	36236494	239821	GNE	1.220268	1.640063	-0.006497	0.44239765
A_16_P38709223	9	36246585	36246644	164449	GNE	1.421608	1.670291	0.028822	0.6800568
A_16_P18611054	9	36252211	36252270	113326	chr9:036252211-036252270	0.888275	1.263299	-0.599159	-0.045317054
A_16_P38709252	9	36261796	36261855	48165	chr9:036261796-036261855	0.842134	1.152228	-0.543509	-0.048360497
A_16_P18611089	9	36270283	36270342	45358	chr9:036270283-036270342	0.906803	1.340186	-0.775359	-0.05852154
A_16_P18611097	9	36277539	36277598	186402	chr9:036277539-036277598	0.36944	0.87634	-1.214101	-0.5479361
A_16_P18611127	9	36289421	36289480	25989	chr9:036289421-036289480	1.391906	1.750311	0.21441	0.5498775
A_16_P18611145	9	36296662	36296721	234507	chr9:036296662-036296721	1.308968	1.71268	-0.025591	0.5199641
A_16_P02095695	9	36308328	36308387	33412	chr9:036308328-036308387	1.046527	1.522479	-0.397354	0.4126168
A_16_P38709353	9	36315745	36315804	162689	chr9:036315745-036315804	1.46012	1.654732	0.34739	0.7374876
A_16_P02095707	9	36321530	36321588	137	chr9:036321530-036321588	0.307365	0.748792	-1.216313	-0.6310178
A_16_P38709382	9	36328832	36328891	85245	RNF38	0.678071	0.966476	-0.892997	-0.47562355
A_14_P202036	9	36334799	36334858	179856	RNF38	0.737298	1.369506	-0.591668	-0.06328645
A_16_P38709413	9	36341080	36341139	183517	RNF38	0.763868	1.342259	-0.454724	0.14268816
A_16_P18611245	9	36347721	36347780	134305	RNF38	1.315604	1.585815	0.035669	0.5547353
A_14_P133280	9	36353448	36353507	6120	RNF38	-1.929359	3.165742	1.427557	0.85043234
A_16_P02095770	9	36359839	36359898	64635	RNF38	1.262366	1.701057	-0.139806	0.4907042
A_16_P38709495	9	36372768	36372827	238337	RNF38	1.324815	1.820507	-0.035783	0.6569599
A_16_P02095800	9	36380135	36380194	229331	RNF38	0.688308	1.151468	-0.843601	-0.17630005
A_14_P109345	9	36390093	36390152	19606	RNF38	0.90287	1.465949	-0.532974	0.34450108
A_16_P18611372	9	36396031	36396090	193547	chr9:036396031-036396090	0.704152	1.150005	-0.769595	-0.09836009
A_14_P109893	9	36409434	36409493	208413	chr9:036409434-036409493	1.083201	1.193621	0.072179	0.33229274
A_16_P18611416	9	36418729	36418788	217979	chr9:036418729-036418788	0.370652	0.861089	-1.121375	-0.60407597
A_16_P38709636	9	36432195	36432254	122144	chr9:036432195-036432254	0.87337	1.058752	-0.821117	-0.15804923
A_16_P18611482	9	36447251	36447310	169498	chr9:036447251-036447310	1.21496	1.03215	-0.582449	0.31901515
A_16_P18611531	9	36470867	36470926	81693	chr9:036470867-036470926	0.941036	1.21932	-0.392326	-0.006070405
A_16_P02095977	9	36529972	36529930	95529	chr9:036529872-036529930	1.234667	1.525058	-0.123469	0.3663255
A_16_P18611660	9	36553862	36553921	39751	chr9:036553862-036553921	1.029	1.31016	-0.238687	0.32055026
A_16_P18611678	9	36565768	36565827	141955	MELK	1.400785	1.719407	0.125029	0.5192923
A_16_P18611692	9	36573746	36573805	118767	MELK	0.693533	1.004125	-0.763389	-0.29898113
A_14_P121712	9	36579598	36579656	10253	MELK	1.638872	1.81466	0.40922	0.86355627
A_16_P02096011	9	36587160	36587219	120636	MELK	1.057616	1.293321	-0.412905	0.05421415
A_16_P18611738	9	36597648	36597707	23412	MELK	1.139446	1.505308	-0.173563	0.37090704
A_16_P18611762	9	36611606	36611665	128001	MELK	1.359695	1.645335	0.038395	0.60456073
A_14_P139424	9	36620266	36620325	216861	MELK	1.44161	1.537519	0.105663	0.67256236
A_16_P02096058	9	36627813	36627872	171096	MELK	0.911412	1.238913	-0.549309	0.09805591
A_16_P02096069	9	36633037	36633096	114863	MELK	1.326685	1.531554	-0.10963	0.53382766
A_16_P18611829	9	36641704	36641763	216017	MELK	1.411915	1.669174	0.007704	0.5098115
A_14_P129125	9	36647230	36647289	214236	MELK	1.392269	1.650505	0.033178	0.519156
A_14_P122061	9	36659337	36659396	218552	MELK	0.943342	1.286139	-0.60294	-0.043253228
A_16_P18611891	9	36667505	36667564	108556	MELK	0.738726	1.050446	-0.842323	-0.33502096
A_16_P18611911	9	36679951	36680010	195241	chr9:036679951-036680010	1.511831	1.905972	0.060636	0.82505673
A_16_P18611948	9	36698759	36698818	215858	chr9:036698759-036698818	1.074852	1.26728	-0.371707	0.07569949
A_14_P120896	9	36739801	36739860	111427	chr9:036739801-036739860	0.869896	1.179048	-0.421088	-0.13084102
A_16_P18612146	9	36771961	36772020	166432	chr9:036771961-036772020	1.01929	1.313672	-0.307109	0.21782017
A_16_P18612223	9	36799042	36799101	23567	chr9:036799042-036799101	1.095023	1.538053	-0.403098	0.2416465
A_16_P02096327	9	36811789	36811848	51651	chr9:036811789-036811848	1.437777	1.668616	0.270133	0.8007898
A_16_P38710508	9	36823383	36823442	195236	chr9:036823383-036823442	0.95177	1.215379	-0.449507	-0.006077871
A_14_P114256	9	36829459	36829511	232405	PAX5	0.974837	1.35809	0.407702	0.77172977
A_16_P02096373	9	36836481	36836540	100659	PAX5	1.447837	1.640305	0.128589	0.46322584
A_16_P02096393	9	36847030	36847089	190270	PAX5	1.513708	1.959281	0.220363	0.84344596
A_16_P18612396	9	36855705	36855759	102309	PAX5	0.883067	1.209335	-0.539246	-0.010923579
A_16_P02096421	9	36861991	36862049	144666	PAX5	1.2377	1.361181	-0.419855	0.1894482
A_16_P02096437	9	36871298	36871357	73277	PAX5	0.893647	1.19854	-0.53651	0.060437992
A_14_P103517	9	36883592	36883651	4746	PAX5	1.253263	1.502569	0.007057	0.3680339
A_16_P02096469	9	36889524	36889574	78506	PAX5	1.441462	1.706631	0.233255	0.5936339
A_16_P18612515	9	36894709	36894768	62607	PAX5	0.320812	0.699589	-0.976685	-0.28560972
A_16_P02096499	9	36907114	36907173	36446	PAX5	0.487716	0.716764	-1.007454	-0.56848794
A_16_P18612561	9	36914227	36914286	114948	PAX5	1.816375	2.042985	0.610967	1.07833
A_16_P02096518	9	36923170	36923229	206293	PAX5	1.415914	1.663112	0.075204	0.62762964
A_14_P116847	9	36930263	36930322	85816	PAX5	1.501546	1.904849	0.307105	0.65865326
A_16_P18612630	9	36936916	36936973	133335	PAX5	1.710123	1.621063	0.354998	0.63536847
A_16_P02096554	9	36946292	36946351	226276	PAX5	0.869052	1.133472	-0.54334	-0.12789175
A_16_P02096570	9	36956026	36956085	208714	PAX5	1.028677	1.372067	-0.0927	0.41746837
A_16_P02096584	9	36962443	36962502	1343	PAX5	0.739228	1.062575	-0.681594	-0.53303254
A_16_P02096594	9	36970017	36970076	64122	PAX5	1.258078	1.531779	-0.259986	0.22953556
A_14_P111937	9	36982705	36982764	140496	PAX5	0.846011	1.081457	-0.924176	-0.31670964

A_16_P02096625	9	36988315	36988374	154394	PAX5	0.604423	0.862883	-0.768958	-0.10319796
A_16_P38711014	9	36996073	36996132	42447	PAX5	0.981647	1.352838	-0.308097	0.26205313
A_16_P38711066	9	37011020	37011079	196460	PAX5	0.814723	1.064212	-0.652097	-0.038499042
A_14_P122903	9	37024017	37024074	64522	PAX5	1.2828	1.414369	-0.062414	0.41391116
A_16_P02096716	9	37031411	37031470	68830	chr9:037031411-037031470	1.266282	1.551116	0.0806	0.27552316
A_16_P02096730	9	37040721	37040780	104055	chr9:037040721-037040780	0.386547	0.758067	-0.789094	-0.4088043
A_16_P18611188	9	37047353	37047412	213336	chr9:037047353-037047412	0.926387	1.259071	-0.392599	0.06854729
A_16_P18612985	9	37064720	37064779	148180	chr9:037064720-037064779	1.071626	1.239237	-0.357358	-0.09366125
A_16_P18613024	9	37077995	37078054	147159	AK091718	0.942889	1.347439	-0.522487	0.17489566
A_16_P02096787	9	37088566	37088625	42699	chr9:037088566-037088625	1.540136	1.787943	0.20122	0.68889225
A_16_P38711319	9	37102403	37102462	174233	chr9:037102403-037102462	0.615461	0.976189	-1.144243	-0.32274425
A_16_P38711346	9	37111904	37111963	6966	ZCCHC7	0.688419	0.859355	-0.890367	-0.9183574
A_14_P119036	9	37119266	37119325	185316	ZCCHC7	1.435044	1.575854	0.167446	0.6463369
A_16_P18613138	9	37124532	37124591	142625	ZCCHC7	0.97828	1.418247	-0.296672	0.1238914
A_16_P18613169	9	37134115	37134174	46978	ZCCHC7	0.677283	1.178982	-0.881269	-0.22373301
A_14_P104590	9	37146161	37146220	233373	ZCCHC7	0.949345	1.417021	-0.61417	0.07508625
A_16_P18613232	9	37160701	37160760	56749	ZCCHC7	1.022024	1.240502	-0.456527	0.0432899
A_16_P18613253	9	37168248	37168307	219546	ZCCHC7	0.866425	1.231378	-0.641972	-0.17869851
A_14_P103909	9	37176788	37176847	53114	ZCCHC7	0.864406	1.182629	-0.498555	0.02604185
A_16_P18613294	9	37182757	37182816	126146	ZCCHC7	0.545091	0.799163	-1.038544	-0.48715556
A_16_P18613312	9	37187910	37187969	150232	ZCCHC7	1.338225	1.479366	0.051116	0.55071616
A_16_P18613329	9	37192993	37193052	24571	ZCCHC7	0.791312	1.191797	-0.788595	-0.21953765
A_16_P38711589	9	37200772	37200831	96783	ZCCHC7	1.355295	1.659518	0.026012	0.49110204
A_16_P18613368	9	37209416	37209475	106597	ZCCHC7	1.036646	1.341274	-0.386665	0.0586852
A_16_P18613401	9	37226691	37226749	162238	ZCCHC7	1.395372	1.718601	-0.019882	0.5310699
A_14_P124730	9	37236517	37236576	216401	ZCCHC7	0.779461	0.988926	-1.002552	-0.2406643
A_16_P38711719	9	37248872	37248931	22544	ZCCHC7	1.279445	1.639772	-0.062389	0.5340715
A_16_P02097053	9	37260341	37260400	14597	ZCCHC7	1.053223	1.056599	-0.55442	0.033159465
A_16_P18613515	9	37266871	37266930	32415	ZCCHC7	0.459198	0.885831	-0.831114	-0.40711063
A_16_P18613533	9	37275940	37275999	118632	ZCCHC7	0.646067	0.95342	-0.651028	-0.22477362
A_16_P38711794	9	37283189	37283248	73631	ZCCHC7	1.074969	1.377854	-0.354167	0.30056125
A_16_P02097087	9	37289058	37289117	166085	ZCCHC7	0.658625	1.050283	-0.735796	-0.020147428
A_16_P18613581	9	37295493	37295552	71312	ZCCHC7	0.777897	1.073362	-0.659375	-0.050507664
A_16_P18613620	9	37310700	37310759	27663	ZCCHC7	0.576252	0.861559	-0.550552	-0.03420435
A_14_P120276	9	37317772	37317830	168494	ZCCHC7	1.033759	1.469016	0.037232	0.85727596
A_16_P38711920	9	37323267	37323326	246	ZCCHC7	0.421907	0.650386	-1.258314	-0.57909656
A_16_P18613690	9	37331060	37331119	202470	ZCCHC7	0.896396	1.193021	-0.272545	0.67318934
A_16_P38711981	9	37344820	37344879	217579	ZCCHC7	0.913167	1.299375	-0.30414	0.4453943
A_16_P02097210	9	37350875	37350930	38384	chr9:037350875-037350930	1.375922	1.690399	0.057566	0.97593087
A_16_P18613765	9	37359557	37359615	128052	chr9:037359557-037359615	1.869764	2.240579	0.844513	1.5487715
A_16_P18613788	9	37368352	37368411	224295	chr9:037368352-037368411	1.690573	2.029734	0.468427	1.1898818
A_16_P18613823	9	37383052	37383107	220254	chr9:037383052-037383107	0.957681	1.334982	-0.33246	0.38133135
A_16_P02097273	9	37399663	37399716	118115	chr9:037399663-037399716	1.071613	1.622889	0.012415	0.7883472
A_16_P18613873	9	37409265	37409324	40297	chr9:037409265-037409324	0.877505	1.215018	-0.569972	0.35205385
A_14_P139958	9	37413984	37414041	44694	GRHPR	0.775277	1.074293	-0.76629	-0.05692348
A_14_P123966	9	37420750	37420802	52323	GRHPR	0.392109	0.86232	-0.748103	-0.032317534
A_16_P02097308	9	37424741	37424800	214895	GRHPR	1.205549	1.52523	-0.066406	0.8144246
A_16_P18613943	9	37431328	37431387	91167	ZBTB5	1.26664	1.539813	0.006837	0.73118925
A_16_P18613950	9	37436195	37436254	34093	ZBTB5	0.880193	1.194795	-0.303944	0.39880818
A_16_P18613961	9	37441638	37441697	29610	ZBTB5	0.94511	1.172457	-0.617155	0.33784443
A_14_P111385	9	37450967	37451026	165249	ZBTB5	0.820321	1.186162	-0.383179	0.4303058
A_16_P38712269	9	37457089	37457148	221969	chr9:037457089-037457148	1.420131	1.659129	0.216396	0.8672151
A_16_P38712275	9	37461467	37461526	89844	chr9:037461467-037461526	0.781793	1.304663	-0.24218	0.58447623
A_16_P38712277	9	37466900	37466959	156501	chr9:037466900-037466959	1.069998	1.277094	-0.077512	0.7358637
A_16_P02097364	9	37473968	37474027	115132	chr9:037473968-037474027	0.860644	1.163429	-0.877684	0.20418806
A_14_P128488	9	37479286	37479345	173717	POLR1E	0.087187	0.703339	-1.483648	-0.6326822
A_16_P38712335	9	37484804	37484863	109074	POLR1E	0.506711	1.355103	-0.569446	0.6206759
A_14_P136992	9	37491694	37491753	161643	POLR1E	1.060939	1.283364	-0.65394	0.20486803
A_16_P18614099	9	37500558	37500617	47932	chr9:037500558-037500617	0.839157	1.090708	-0.654916	0.25955674
A_16_P02097417	9	37504917	37504976	129294	FBXO10	0.471913	0.988064	-0.903939	0.006594285
A_16_P02097430	9	37512446	37512505	61148	FBXO10	1.205225	1.448957	-0.204206	0.5298563
A_16_P38712438	9	37521213	37521272	152790	FBXO10	1.135318	1.394754	-0.188268	0.45263156
A_16_P18614176	9	37530101	37530160	128282	FBXO10	1.143562	1.17869	-0.484301	0.30521604
A_16_P18614192	9	37536639	37536698	186468	FBXO10	1.654165	1.78482	0.353837	1.0333686
A_16_P02097469	9	37552759	37552818	8400	FBXO10	0.821289	1.251675	-0.717651	0.18999961
A_16_P38712514	9	37558585	37558644	102626	FBXO10	1.068976	1.271896	-0.386674	0.41529903
A_16_P18614230	9	37563876	37563935	90740	FBXO10	0.996383	1.298623	-0.448143	0.51187384
A_16_P18614252	9	37574431	37574490	225866	BC125124	0.99463	1.289049	-0.205452	0.47518826
A_16_P18614278	9	37586332	37586391	168858	BX641092	0.40544	0.685457	-0.645533	-0.27719384
A_16_P18614278	9	37586332	37586391	4426	BX641092	0.516146	0.678313	-0.657204	-0.37500298
A_16_P18614278	9	37586332	37586391	240268	BX641092	0.490527	0.704431	-0.696926	-0.23464498
A_16_P02097525	9	37597403	37597462	130946	BX641092	1.108877	1.34412	-0.226673	0.5284543
A_16_P18614327	9	37606590	37606649	72852	BX641092	1.404043	1.842754	0.203747	1.0854285

A_16_P38712653	9	37614940	37614999	143332	BX641092	0.903484	1.22009	-0.459548	0.3177582
A_16_P18614395	9	37630509	37630568	127796	BX641092	1.133299	1.507586	-0.094473	0.5769031
A_16_P18614413	9	37637161	37637220	217801	BX641092	1.145996	1.437493	-0.303906	0.42986614
A_14_P126555	9	37650527	37650586	48816	FRMPD1	1.056504	1.318562	-0.456228	0.34590346
A_16_P18614476	9	37658702	37658761	161535	FRMPD1	0.943973	1.27909	-0.161699	0.47112986
A_16_P02097637	9	37671577	37671636	226651	FRMPD1	0.477776	0.724985	-0.903458	0.019222543
A_16_P18614540	9	37686619	37686678	144643	FRMPD1	0.710962	1.075648	-0.867802	0.22678392
A_16_P38712857	9	37695120	37695179	35170	FRMPD1	0.474155	0.799621	-1.144359	-0.0750643
A_14_P109933	9	37701328	37701386	221496	FRMPD1	1.405249	1.722157	-0.048981	0.85163844
A_16_P02097694	9	37708444	37708500	30669	FRMPD1	1.416673	1.636995	-0.021172	0.8947182
A_16_P02097713	9	37718298	37718357	218809	FRMPD1	1.056501	1.435809	-0.210456	0.4560584
A_16_P02097722	9	37723479	37723538	68912	FRMPD1	1.072387	1.289138	-0.367522	0.41487595
A_16_P02097744	9	37737041	37737100	46468	BX641092	1.109985	1.617355	-0.074753	0.60193396
A_16_P18614704	9	37746137	37746196	68974	RG9MTD3	0.857157	1.196047	-0.472081	0.32316023
A_14_P134578	9	37750851	37750910	234798	RG9MTD3	1.009004	1.263005	-0.385281	0.42494798
A_14_P137395	9	37757134	37757193	149067	RG9MTD3	1.318352	1.450208	-0.187759	0.5179629
A_16_P38713046	9	37760988	37761047	60374	RG9MTD3	0.950325	1.166473	-0.654801	0.27368543
A_16_P38713051	9	37765306	37765365	90521	RG9MTD3	1.059887	1.355812	-0.513344	0.47184438
A_14_P132980	9	37768581	37768640	232972	RG9MTD3	0.446836	0.759697	-1.397625	-0.43179184
A_14_P123135	9	37771956	37772013	203155	EXOSC3	1.011852	1.462809	0.101971	0.7052917
A_16_P38713104	9	37779564	37779623	135325	BX641092	1.118273	1.432683	-0.069576	0.5676834
A_16_P38713114	9	37787346	37787405	164207	BX641092	1.091803	1.45916	-0.305021	0.5091109
A_16_P18614825	9	37797384	37797443	103142	WDR32	0.916575	1.211813	-0.609063	0.39223647
A_16_P02097832	9	37809296	37809355	236287	WDR32	0.84253	1.153105	-0.662781	0.3293443
A_16_P18614852	9	37818647	37818706	186670	WDR32	1.225036	1.55684	-0.242619	0.78127444
A_16_P38713201	9	37832125	37832184	176147	WDR32	0.70455	1.106974	-0.73357	0.22304022
A_14_P105464	9	37847269	37847328	131762	WDR32	0.954136	1.247955	-0.555105	0.3382335
A_16_P18614927	9	37855943	37856002	173227	WDR32	0.678698	1.241289	-0.500835	0.2815544
A_16_P02097902	9	37865924	37865983	80023	BC094765	0.758515	1.072303	-0.830405	0.057510823
A_16_P18614990	9	37875916	37875968	2257	BC094765	0.911753	1.166849	-0.241448	0.9611118
A_14_P101687	9	37883635	37883694	1445	MCART1	1.595615	1.736958	0.100415	1.004695
A_16_P18615020	9	37887713	37887772	145513	MCART1	0.611838	1.09497	-0.724605	0.058046892
A_16_P18615030	9	37892684	37892743	236336	MCART1	0.455634	0.982159	-0.84858	-0.06133473
A_16_P18615050	9	37898880	37898939	125353	BC094765	0.462706	0.898469	-0.931518	-1.70E-04
A_16_P18615068	9	37905941	37906000	79376	SHB	0.982739	1.194805	-0.589376	0.14661214
A_14_P103259	9	37911524	37911583	185485	SHB	1.263037	1.492095	-0.32691	0.66306275
A_16_P18615116	9	37920602	37920661	240823	SHB	1.506831	1.877842	0.282091	1.106086
A_16_P38713460	9	37926418	37926477	121395	SHB	0.475318	0.825258	-0.994133	-0.047971696
A_16_P18615148	9	37932049	37932108	83751	SHB	0.962954	1.276931	-0.415191	0.4041179
A_16_P18615187	9	37943429	37943488	104791	SHB	1.254519	1.885622	0.126844	1.1056445
A_16_P18615210	9	37950005	37950064	7667	SHB	0.766586	1.130701	-0.602471	0.23041259
A_16_P02098061	9	37958704	37958763	147566	SHB	0.94921	1.215945	-0.580616	0.3785014
A_16_P02098083	9	37969174	37969233	85971	SHB	0.988092	1.171521	-0.505676	0.25070316
A_16_P02098088	9	37974549	37974608	172135	SHB	1.11505	1.587263	-0.204803	0.6026583
A_16_P38713631	9	37980994	37981053	179781	SHB	1.016422	1.252169	-0.573041	0.45867866
A_14_P139815	9	37988780	37988839	178444	SHB	1.193752	1.139829	-0.644022	-0.17292884
A_16_P02098144	9	37999670	37999729	52333	SHB	1.441805	1.861822	0.341781	1.1226857
A_16_P02098166	9	38008959	38009018	39078	SHB	1.386478	1.67179	-0.221181	0.6094879
A_16_P02098178	9	38015085	38015144	124924	SHB	1.363863	1.627385	-0.047745	0.92556477
A_16_P18615446	9	38021514	38021573	1633	SHB	1.493715	1.765579	0.02071	0.94963807
A_16_P02098220	9	38035621	38035680	72976	SHB	1.086534	1.488656	-0.340871	0.61030245
A_14_P132368	9	38040719	38040778	83085	SHB	0.766095	1.106823	-0.899072	0.024140373
A_16_P02098240	9	38047669	38047728	213532	SHB	1.402557	1.713127	0.034901	1.0199187
A_16_P38713874	9	38054102	38054161	230690	SHB	0.311019	0.750691	-1.383177	-0.6139715
A_16_P18615567	9	38060753	38060812	185941	chr9:038060753-038060812	0.998674	1.467734	-0.311348	0.5586506
A_16_P02098272	9	38072435	38072494	205841	chr9:038072435-038072494	1.63661	1.930126	0.259941	0.9465118
A_16_P18615622	9	38087120	38087177	32335	chr9:038087120-038087177	1.327278	1.633514	-0.148088	0.7202198
A_16_P18615723	9	38133648	38133707	117149	AK057054	1.082142	1.387595	-0.367039	0.6334517
A_16_P18615754	9	38147599	38147658	41207	AK057054	1.198201	1.5615	-0.240917	0.66266763
A_16_P02098392	9	38157686	38157745	191925	AK057054	1.100358	1.318877	-0.445065	0.41956156
A_16_P02098403	9	38168408	38168467	123320	AK057054	0.741502	1.203487	-0.667415	0.22257459
A_16_P02098420	9	38182580	38182639	123193	AK057054	1.282766	1.709662	-0.309963	0.8074599
A_16_P18615868	9	38195626	38195685	180281	chr9:038195626-038195685	0.21845	0.537444	-1.401129	-0.30847424
A_16_P18615894	9	38214865	38214924	119199	chr9:038214865-038214924	1.229763	1.503923	-0.32643	0.74134636
A_16_P18615963	9	38245139	38245198	210041	chr9:038245139-038245198	1.070213	1.599394	-0.044833	0.77520096
A_16_P38714348	9	38273587	38273646	139587	chr9:038273587-038273646	0.818964	1.561087	-0.114423	0.41946927
A_16_P18616114	9	38324253	38324312	14484	chr9:038324253-038324312	0.986841	1.34368	-0.54725	0.36059564
A_14_P102076	9	38343993	38344052	179663	chr9:038343993-038344052	1.305728	1.764833	-0.07021	0.74437696
A_16_P02098644	9	38356682	38356741	228596	chr9:038356682-038356741	0.54396	0.932904	-1.030445	-0.109822094
A_16_P38714577	9	38370537	38370596	204988	chr9:038370537-038370596	1.241104	1.424924	-0.552574	0.4701093
A_16_P02098672	9	38376255	38376312	156917	chr9:038376255-038376312	1.270007	1.351703	-0.470401	0.56398535
A_16_P38714611	9	38381821	38381880	42552	chr9:038381821-038381880	1.554827	1.871497	0.142555	1.0063016
A_14_P200254	9	38387399	38387458	125097	ALDH1B1	1.397144	1.818262	0.237174	1.1046143

A_14_P134247	9	38388612	38388671	73885	ALDH1B1	1.413709	1.796532	0.10831	1.1811619
A_16_P18616308	9	38393205	38393251	4219	chr9:038393205-038393251	1.014802	1.292464	-0.678901	0.090202846
A_16_P18616308	9	38393205	38393251	27256	chr9:038393205-038393251	0.866683	1.145611	-0.53637	-0.012564004
A_16_P18616308	9	38393205	38393251	187390	chr9:038393205-038393251	0.912663	1.355723	-0.678504	0.15860783
A_16_P02098711	9	38398978	38399037	128786	IGFBPL1	1.114671	1.426869	-0.608703	0.48151675
A_16_P38714682	9	38401861	38401920	93944	IGFBPL1	1.442239	1.781456	0.111917	1.0243752
A_16_P02098725	9	38405146	38405205	146511	IGFBPL1	1.278657	1.728739	-0.126421	0.7782056
A_16_P18616363	9	38409583	38409642	228276	IGFBPL1	0.767828	1.171894	-0.807187	0.1428745
A_16_P18616383	9	38417051	38417110	201221	chr9:038417051-038417110	1.18571	1.535322	-0.324608	0.56366277
A_16_P02098750	9	38423625	38423684	109463	chr9:038423625-038423684	0.582976	0.499827	-0.767897	0.5302828
A_16_P02098767	9	38435900	38435959	100742	chr9:038435900-038435959	0.829452	1.331857	-0.611878	0.40836486
A_16_P18616450	9	38449475	38449534	108356	chr9:038449475-038449534	1.274886	1.851008	0.170469	1.0372651
A_16_P18616468	9	38461231	38461290	217220	chr9:038461231-038461290	1.182074	1.507937	-0.154905	0.87417555
A_16_P02098799	9	38471288	38471347	55679	chr9:038471288-038471347	0.850805	1.045631	-0.631502	0.27965677
A_16_P02098802	9	38477170	38477221	212313	chr9:038477170-038477221	1.209116	1.418175	-0.100618	0.6779528
A_16_P02098814	9	38494864	38494913	85254	chr9:038494864-038494913	0.937008	1.337327	-0.039831	0.7869898
A_16_P38714912	9	38511130	38511189	227402	chr9:038511130-038511189	0.135153	0.380462	-1.007215	-0.22592267
A_16_P02098827	9	38519751	38519810	41653	chr9:038519751-038519810	1.404852	1.618033	-0.120063	0.96747154
A_14_P117703	9	38526827	38526886	49387	chr9:038526827-038526886	1.348846	1.669372	-0.162092	0.8010386
A_16_P02098829	9	38526930	38526989	194342	chr9:038526930-038526989	0.920919	1.257265	-0.402694	0.41120932
A_16_P38714997	9	38561787	38561846	131386	AK093059	0.413499	0.972416	-0.516012	-0.004912302
A_16_P18616706	9	38589898	38589957	56677	AB095935	0.200444	0.532346	-0.529606	-0.03555633
A_16_P02098849	9	38605688	38605735	135778	AB095935	0.63723	0.965062	-0.483526	0.2289273
A_14_P125308	9	38612201	38612248	95730	BC041970	0.845772	0.585929	-0.208334	-0.26851773
A_16_P38715186	9	38627337	38627396	41522	chr9:038627337-038627396	0.895686	1.083711	-0.514671	0.100831434
A_16_P02098880	9	38638149	38638208	124832	chr9:038638149-038638208	0.934471	1.237504	-0.413943	0.4663925
A_14_P125020	9	38653212	38653271	63810	chr9:038653212-038653271	0.429153	0.811318	-0.903461	-0.22676474
A_16_P02098970	9	38693993	38694052	214628	chr9:038693993-038694052	1.014347	1.333938	-0.351154	0.4084046
A_16_P18617088	9	38731378	38731437	201818	chr9:038731378-038731437	0.547004	0.878221	-0.694617	0.06061861
A_14_P108800	9	38758232	38758291	242492	chr9:038758232-038758291	0.515551	0.726827	-0.963377	-0.35120958
A_16_P02099082	9	38805416	38805475	57493	chr9:038805416-038805475	0.101079	-0.038516	-0.563877	-0.13635331
A_16_P02099102	9	39049899	39049958	203449	chr9:039049899-039049958	0.764217	1.057842	-0.297657	0.46691635
A_16_P02099105	9	39062229	39062288	139623	chr9:039062229-039062288	0.317681	0.212601	-0.08766	-0.3097332
A_16_P02099121	9	39131835	39131894	81940	CNTNAP3	-0.440287	0.168069	-2.008819	-1.1952134
A_16_P38716358	9	39141696	39141755	164243	CNTNAP3	0.218285	0.138869	-0.695031	-0.21368682
A_14_P128926	9	39146895	39146954	214759	CNTNAP3	0.448576	0.722016	-0.659113	0.030034497
A_16_P18617980	9	39157302	39157361	174804	CNTNAP3	0.048565	1.090188	-0.68059	1.6020843
A_16_P38716431	9	39167063	39167122	57598	CNTNAP3	0.394934	0.772932	-0.605451	-0.05562842
A_16_P02099130	9	39244329	39244388	222267	CNTNAP3	0.452035	0.771431	-0.408347	-0.0669637
A_16_P02099132	9	39355550	39355594	51452	chr9:039355550-039355594	1.352423	1.460826	0.58456	1.3494517
A_16_P02099137	9	39884879	39884938	63546	BC018886	0.633083	0.850296	-0.483056	0.09375637
A_16_P02099148	9	40622401	40622460	84400	AK024257	0.161272	-0.473627	-0.120296	-0.02043572
A_16_P18620488	9	40761173	40761232	184550	BC031626	0.358604	-0.162593	0.389152	0.23216137
A_16_P02099154	9	40764105	40764164	10597	ZNF658	0.158309	0.222516	-0.417783	-0.013997525
A_16_P02099156	9	40781464	40781509	95308	ZNF658	0.397065	0.17221	0.174763	0.27912277
A_16_P38720805	9	41543069	41543128	88879	chr9:041543069-041543128	0.763319	1.099333	-0.075998	0.52816904
A_16_P18623184	9	41970428	41970483	188573	AY098594	0.516731	-3.621418	-1.501399	-0.42061716
A_16_P18629813	9	42348957	42349016	862	CR933660	0.440502	0.260796	0.054577	0.27099156
A_16_P38728572	9	42362628	42362687	215871	ANKRD20A3	-0.03452	0.105081	-1.284909	-0.66363037
A_16_P02099338	9	42903050	42903109	53518	chr9:042903050-042903109	0.160233	0.418136	-0.383574	0.41137064
A_16_P38727881	9	43165653	43165711	229465	chr9:043165653-043165711	0.428331	0.645621	-0.402033	0.1844094
A_16_P02099193	9	43445839	43445894	45934	chr9:043445839-043445894	0.850992	1.065621	-0.462805	0.4209935
A_16_P02099208	9	43530076	43530135	157928	chr9:043530076-043530135	1.010079	1.196466	0.233619	0.7975872
A_16_P02099210	9	43550676	43550735	134715	chr9:043550676-043550735	0.258392	0.466255	-0.790253	-0.13362187
A_16_P18625348	9	43599449	43599508	163529	chr9:043599449-043599508	0.433325	1.158087	-1.005487	-0.23701644
A_16_P38723984	9	43626920	43626970	50734	AK024257	1.028509	1.596724	0.18008	0.9206197
A_16_P02099244	9	44167273	44167323	227316	chr9:044167273-044167323	0.522338	1.017371	-0.726694	-0.020341173
A_16_P02099251	9	44199401	44199460	52968	AY098593	0.830427	0.75216	0.264103	-0.48621225
A_16_P38725280	9	44669464	44669508	27414	chr9:044669464-044669508	1.333151	1.376842	0.569648	1.6430545
A_16_P38725612	9	44810117	44810171	175899	chr9:044810117-044810171	0.864105	1.208118	0.75969	1.038185
A_16_P02099295	9	45419207	45419264	143135	BC006438	0.355328	0.249589	-0.119985	-0.15446687
A_16_P38726904	9	46018067	46018111	53885	chr9:046018067-046018111	0.801842	1.412911	0.64871	0.84056735
A_16_P41916171	9	47002187	47002237	127459	chr9:047002187-047002237	0.892475	1.312598	0.052504	1.0928931

Supplementary Table 1B: Array CGH data on chromosome 9p using Agilent 44K chip

Probe Name	Chr Name	Start	Stop	Feature num	Name of Gene	SUM-149	SUM-44	SUM-52	SUM-190	SUM-225
A_14_P110624	9	204367	204426	36322	C9orf66	-0.570681	-0.83489	-0.454742	-0.700998	-0.852851
A_14_P114068	9	322456	322515	35902	DOCK8	-0.092361	-0.20002	0.055988	-0.348085	0.174027
A_14_P135177	9	601628	601687	1401	ANKRD15	-0.719249	-0.95663	-0.29974	-0.558884	-0.687276
A_14_P101255	9	720034	720088	20758	ANKRD15	0.073144	-0.29528	-0.053363	-0.198396	-0.240568
A_14_P134606	9	752947	753006	24224	chr9:000752947-000753006	-0.423089	-0.6533	-0.289181	-0.496513	-0.513842
A_14_P137073	9	855779	855838	36561	DMRT1	-0.359901	-0.59634	-0.330298	-0.569239	-0.480197
A_14_P121763	9	883500	883559	165	DMRT1	-0.161399	-0.67298	-0.439137	-0.661137	-0.832795
A_14_P115828	9	973204	973263	40577	DMRT3	-0.172364	-0.97905	-0.069188	-0.269635	0.161656
A_14_P132576	9	979894	979953	19870	DMRT3	-0.506397	-0.99739	-0.411823	-0.366805	-0.494345
A_14_P121618	9	980025	980073	24079	DMRT3	-0.00129	-0.62631	-0.306326	-0.258358	-0.150231
A_14_P113138	9	1046309	1046368	36249	DMRT2	-0.607035	-0.96924	-0.29737	-0.602199	-0.624311
A_14_P135575	9	1147109	1147168	30941	chr9:001147109-001147168	-0.487817	-0.56158	-0.68925	-0.922933	-0.123103
A_14_P112976	9	1352641	1352700	11700	chr9:001352641-001352700	0.442274	-0.35966	-0.56011	-0.555416	-0.115669
A_14_P134334	9	1569408	1569467	21654	chr9:001569408-001569467	-0.489703	-0.68883	-1.252002	-0.697775	-0.522385
A_14_P123587	9	1728515	1728574	41151	chr9:001728515-001728574	0.140422	-0.04914	0.066516	-0.169643	0.066934
A_14_P110528	9	1972355	1972414	11472	chr9:001972355-001972414	-0.318621	-1.02676	-0.87228	-0.825305	-0.941973
A_14_P112263	9	2029442	2029500	14674	SMARCA2	-0.719355	-1.09632	-0.903408	-0.981466	-0.781945
A_14_P112573	9	2078528	2078587	26194	SMARCA2	-0.591081	-1.34629	-0.769962	-0.902063	-1.099699
A_14_P132731	9	2109502	2109561	41311	SMARCA2	-0.468909	-0.26215	-0.207335	-0.273792	0.028297
A_14_P123409	9	2182590	2182649	9337	SMARCA2	-0.439931	-0.88054	-0.336255	-0.386634	-0.49293
A_14_P105740	9	2408075	2408134	39669	chr9:002408075-002408134	-0.343949	-0.32749	-0.199568	-0.159974	0.121031
A_14_P109730	9	2525632	2525691	19813	AX747488	-0.986705	-0.81941	-0.680693	-0.8465	-1.230544
A_14_P130747	9	2615492	2615551	10363	VLDLR	-0.759276	-0.86359	-0.601145	-0.745038	-0.870176
A_14_P109602	9	2619346	2619405	21421	VLDLR	-0.330684	-0.75845	-0.205498	-0.430259	-0.214847
A_14_P108753	9	2709261	2709320	24281	KCNV2	-0.535401	-0.51148	-0.157834	-0.345555	-0.135158
A_14_P121559	9	2822701	2822760	12012	KIAA0020	-0.24309	-0.59323	-0.317911	-0.496677	-0.328769
A_14_P121347	9	2906200	2906259	17913	chr9:002906200-002906259	-0.680353	-0.82164	-0.284985	-0.512542	-0.16947
A_14_P138223	9	3187162	3187221	7559	BC041456	-0.425512	-0.42695	-0.257963	-0.440196	-0.081523
A_14_P129070	9	3237110	3237169	19345	RFX3	-0.599708	-0.69002	-0.5309	-0.95961	-0.222722
A_14_P112297	9	3336643	3336702	24325	RFX3	-0.884061	-0.68268	-0.577302	-0.96495	-0.364323
A_14_P101607	9	3385562	3385616	29342	RFX3	-0.791118	-0.7935	-0.830606	-0.799612	-0.856784
A_14_P122241	9	3470606	3470665	26881	RFX3	-1.026703	-1.15581	-1.14746	-1.053224	-0.835398
A_14_P128525	9	3509377	3509436	25091	RFX3	-0.970137	-1.02893	-0.840039	-0.853829	-0.21962
A_14_P110000	9	3718444	3718503	34812	chr9:003718444-003718503	-0.568172	-1.08973	-0.829493	-0.64569	-0.743734
A_14_P109891	9	3817677	3817736	40083	GLIS3	-0.461442	-0.74724	-0.54405	-0.262421	-0.630742
A_14_P138328	9	3888848	3888894	2598	GLIS3	-0.520856	-0.67377	-0.685012	-0.603228	-0.397249
A_14_P104307	9	3922332	3922391	35691	GLIS3	-0.168444	-0.66154	-0.50738	-0.229934	-0.593677
A_14_P122098	9	4002525	4002584	34475	GLIS3	-0.42751	-0.43299	-0.469566	-0.335613	-0.329051
A_14_P100760	9	4142060	4142119	11478	GLIS3	-0.433752	-0.86028	-0.718641	-0.607062	-0.709334
A_14_P113556	9	4434820	4434879	12394	chr9:004434820-004434879	-0.434811	-0.67155	-0.898897	-1.050239	-0.745066
A_14_P102455	9	4488207	4488266	44284	SLC1A1	-0.487463	-0.52536	-0.426155	-0.65925	-0.332014
A_14_P131198	9	4518230	4518289	31011	SLC1A1	-0.206191	-0.24821	-0.393458	-0.283872	-0.37016
A_14_P117164	9	4565987	4566046	36770	SLC1A1	-0.09497	-0.526	-0.412354	-0.532462	-0.635394
A_14_P105964	9	4577083	4577142	7623	SLC1A1	-0.051104	-0.47376	-0.461192	-1.662241	-0.514832
A_14_P121350	9	4617565	4617624	12106	C9orf68	-0.288967	-0.55885	-0.212891	-0.395616	-0.532654
A_14_P132707	9	4687068	4687127	23055	CDC37L1	-0.771427	-1.57426	-1.365456	-0.993018	-1.510421
A_14_P115092	9	4714235	4714294	30772	AK3L1	-0.415086	-0.74584	-0.570402	-0.464125	-0.31314
A_14_P107187	9	4730392	4730451	36908	AK3L1	-0.39512	-0.82349	-0.408569	0.032277	-0.256441
A_14_P125252	9	4784084	4784143	22515	RCL1	-0.5714	-0.48083	-0.289591	-0.224089	-0.327675
A_14_P123360	9	4850997	4851056	3655	RCL1	-0.297951	-0.31902	-0.145499	-0.458519	-0.321895
A_14_P105543	9	5012053	5012112	1877	JAK2	-0.732995	-1.03149	-0.546224	-0.846601	-1.104635
A_14_P127099	9	5117767	5117826	18139	JAK2	-0.184694	-1.04851	-0.272016	-0.39572	-0.378371
A_14_P136058	9	5117827	5117886	43008	JAK2	-0.391289	-1.04943	-0.610456	-0.508747	-0.683283
A_14_P110162	9	5155709	5155768	32777	INSL6	-0.700581	-1.15708	-0.360135	-0.731036	-0.479643
A_14_P132861	9	5221815	5221874	24828	INSL4	-1.024809	-0.87901	-0.700418	-1.024954	-0.558721
A_14_P116102	9	5289937	5289996	8419	RLN2	-0.713259	-1.40414	-0.800913	-0.784634	-0.861408
A_14_P114773	9	5325065	5325124	11668	RLN1	-0.783731	-1.21552	-0.852027	-0.824943	-0.880226
A_14_P116588	9	5410412	5410471	38444	C9orf46	-0.431874	-0.87579	-0.437502	-0.372118	-0.615043
A_14_P127466	9	5427501	5427549	24212	C9orf46	-0.419788	-0.99246	-0.653452	-0.915113	-0.860334
A_14_P120124	9	5453902	5453961	29104	PDCC1LG1	-1.307655	-1.2961	-0.32797	-0.277665	-1.160303
A_14_P111176	9	5500695	5500754	31003	PDCC1LG2	-0.484208	-0.43992	-0.48066	-0.329996	-0.403114
A_14_P102548	9	5536660	5536719	33160	PDCC1LG2	-0.073034	-0.7449	-0.37415	-0.500981	-0.328128
A_14_P101695	9	5760926	5760985	2338	KIAA1432	0.300849	-0.72607	-0.427572	-0.821037	-0.721572
A_14_P103344	9	5887594	5887646	35880	MLANA	0.28311	-0.69732	-0.699466	-0.726703	-0.599741
A_14_P119048	9	5890207	5890266	26783	MLANA	0.68444	-0.43505	-0.56506	-0.870311	-0.782018
A_14_P124382	9	5898765	5898824	31022	MLANA	0.167287	-0.6881	-0.672362	-0.642549	-0.511911
A_14_P122666	9	5957327	5957386	38702	THC2084564	0.688843	-0.45222	-0.545263	-0.400546	-0.508212
A_14_P122767	9	6089101	6089160	9417	chr9:006089101-006089160	0.590192	-0.17926	-0.517464	-0.28143	0.037315
A_14_P119264	9	6205819	6205878	40159	C9orf26	0.589818	-0.34569	-0.393287	-0.397631	-0.695555
A_14_P108559	9	6234664	6234723	7912	C9orf26	0.267787	-0.66491	-0.724103	-0.647567	-0.374253
A_14_P118373	9	6262516	6262575	16858	chr9:006262516-006262575	0.577196	-0.41637	-0.144214	-0.240738	-0.143279

A_14_P102889	9	6318511	6318564	2925	NYD-SP25	0.229023	-0.74644	-0.476091	-0.465663	-0.281866
A_14_P130340	9	6320667	6320726	26980	NYD-SP25	0.446259	-0.84665	-0.890976	-0.759531	-1.032491
A_14_P129759	9	6321081	6321140	700	NYD-SP25	0.106336	-1.04623	-0.875495	-0.777034	-1.066075
A_14_P124207	9	6405111	6405170	12893	UHRF2	0.447602	-0.44638	-0.19781	-0.336227	-0.026666
A_14_P124483	9	6458389	6458448	18145	UHRF2	0.30408	-0.71333	-0.309173	-0.119517	-0.223822
A_14_P104884	9	6516152	6516211	29097	chr9:006516152-006516211	0.965779	-0.46066	-0.24435	-0.366572	-0.478762
A_14_P119183	9	6582113	6582172	4736	GLDC	0.771803	-0.23991	-0.03777	-0.184713	-0.168211
A_14_P134429	9	6610160	6610214	8529	GLDC	0.815582	-0.34312	-0.01753	-0.268255	-0.385977
A_14_P111588	9	6684944	6685003	14501	chr9:006684944-006685003	0.666603	-0.3605	-0.68357	0.109642	-0.499807
A_14_P126908	9	6804678	6804737	10577	JMJD2C	1.139135	-0.15574	-0.128683	-0.184419	-0.235069
A_14_P122422	9	6848179	6848238	21173	JMJD2C	0.39433	-1.07519	-0.70542	-0.736068	-1.004781
A_14_P119617	9	6883176	6883235	27920	JMJD2C	0.281324	-0.61156	-0.615227	-0.549227	-0.653616
A_14_P123456	9	6923756	6923815	5315	JMJD2C	0.609405	-0.4019	-0.332734	-0.684914	-0.537116
A_14_P135386	9	6967940	6967999	27091	JMJD2C	0.387858	-0.39355	-0.335852	-0.432406	-0.383263
A_14_P114621	9	7019186	7019245	27361	JMJD2C	0.303832	-0.15344	-0.29718	-0.519657	-0.069311
A_14_P117140	9	7058096	7058155	42560	JMJD2C	0.92145	-0.12229	-0.171482	-0.41376	-0.123062
A_14_P101010	9	7096343	7096402	40097	JMJD2C	0.658597	-0.85746	-0.541338	-0.743271	-0.872897
A_14_P123515	9	7160033	7160092	12239	JMJD2C	0.575789	-0.51589	-0.53956	-0.636705	-0.374206
A_14_P109465	9	7192876	7192935	19167	chr9:007192876-007192935	0.946597	-0.02877	-0.212777	-0.507747	-0.134349
A_14_P105421	9	7356869	7356928	1527	chr9:007356869-007356928	0.755857	-0.4067	-0.719695	-0.495897	-0.348652
A_14_P139891	9	7447792	7447851	32923	chr9:007447792-007447851	0.34366	-1.24577	-0.986082	-1.240833	-1.014832
A_14_P110790	9	7649807	7649866	24517	chr9:007649807-007649866	0.196096	-0.5922	-0.150367	-0.238412	0.092419
A_14_P113536	9	7769255	7769314	33745	chr9:007769255-007769314	0.610952	-0.22211	-0.063815	-0.410017	-0.093233
A_14_P119597	9	7952282	7952341	39472	chr9:007952282-007952341	0.270502	-0.93988	-0.825606	-0.965875	-0.881364
A_14_P138604	9	8106434	8106493	37154	chr9:008106434-008106493	0.268223	-0.35345	-0.68683	-0.979455	-0.20287
A_14_P103249	9	8256433	8256492	31770	chr9:008256433-008256492	0.606276	-0.59969	-0.492227	-0.461045	-0.2324
A_14_P133738	9	8307372	8307431	34572	PTPRD	-0.031089	-0.24055	-0.342605	-0.258928	-0.173556
A_14_P131834	9	8508294	8508353	31643	PTPRD	0.186459	-0.95289	-1.056539	-0.756809	-0.676569
A_14_P134087	9	8626698	8626757	9765	PTPRD	0.123825	-0.78369	-0.756837	-1.049394	-0.602005
A_14_P124062	9	8832502	8832561	7391	PTPRD	0.251914	-0.61345	-0.394911	-0.542261	-0.261363
A_14_P138484	9	9215465	9215524	23020	PTPRD	0.153248	-0.66201	-0.757349	-0.65646	-0.293404
A_14_P107785	9	9335062	9335121	22558	PTPRD	0.749719	-0.79683	-0.893704	-0.853777	-0.493997
A_14_P130978	9	9443833	9443892	23381	PTPRD	1.019407	-1.13736	-0.640597	-0.705546	-1.27271
A_14_P101993	9	9612217	9612276	32428	PTPRD	0.836217	-1.13878	-0.929972	-1.089274	-0.948539
A_14_P123159	9	9793920	9793979	27969	PTPRD	0.496606	-1.43897	-1.567212	-1.334047	-1.091015
A_14_P113716	9	10310424	10310483	28035	PTPRD	0.132029	-0.96799	-0.992873	-1.362245	-0.680008
A_14_P118980	9	10430655	10430714	35317	PTPRD	0.117617	-1.34158	-1.37585	-1.583907	-0.99529
A_14_P126142	9	10571443	10571502	28234	PTPRD	0.855393	-1.20556	-0.495208	-1.004211	-0.301383
A_14_P112889	9	10676662	10676721	28505	chr9:010676662-010676721	0.697105	-0.82839	-0.620272	-0.896489	-0.137645
A_14_P101597	9	10872873	10872932	28928	chr9:010872873-010872932	0.015301	-1.59621	-1.520618	-1.862177	-1.439326
A_14_P137320	9	11027385	11027444	33092	chr9:011027385-011027444	0.731309	-0.42638	-0.248104	-0.498481	-0.120628
A_14_P103148	9	11209549	11209608	25681	chr9:011209549-011209608	0.812767	-0.73178	-1.033834	-1.050417	-0.307665
A_14_P105529	9	11447340	11447399	38054	chr9:011447340-011447399	0.580324	-0.83283	-1.083636	-1.20235	-0.647468
A_14_P122576	9	11563531	11563590	3096	chr9:011563531-011563590	0.769945	-0.7113	-0.564369	-0.931568	-0.631444
A_14_P135865	9	11687635	11687694	28571	chr9:011687635-011687694	0.5482	-1.21368	-0.366733	-0.647642	-0.270309
A_14_P118017	9	11808291	11808350	19394	chr9:011808291-011808350	-0.051558	-1.14857	-1.49696	-0.903715	-0.690266
A_14_P136630	9	12038553	12038612	42383	chr9:012038553-012038612	0.680895	-0.66831	-0.672443	-0.732292	-0.111007
A_14_P131277	9	12265118	12265177	8213	chr9:012265118-012265177	0.587453	-1.01901	-0.990905	-0.931865	-0.478554
A_14_P101834	9	12395964	12396020	2674	chr9:012395964-012396020	0.277613	-0.98485	-0.853168	-0.864794	-1.119337
A_14_P101283	9	12527982	12528041	36110	chr9:012527982-012528041	0.804717	-0.6164	-0.532694	-0.794972	-0.459139
A_14_P110126	9	12683407	12683466	5857	THC2025786	0.678802	-0.65574	-0.844989	-0.719507	-0.361012
A_14_P101680	9	12688542	12688598	42640	TYRP1	0.548885	-1.0836	-0.82022	-0.803651	-0.194992
A_14_P110857	9	12762471	12762530	37470	chr9:012762471-012762530	0.185986	-1.13384	-0.759838	-0.549083	-0.404651
A_14_P126048	9	12897767	12897826	22228	chr9:012897767-012897826	0.285944	-0.42944	-0.523873	-0.438784	-0.189788
A_14_P121826	9	12993652	12993711	14085	chr9:012993652-012993711	0.627723	-1.02396	-0.490312	-0.322787	-0.423766
A_14_P102069	9	13096806	13096865	10871	MPDZ	0.850179	-1.03222	-0.808428	-0.699577	-0.847384
A_14_P124786	9	13105036	13105093	11768	MPDZ	0.647194	-0.86806	-0.646562	-0.698225	-0.705724
A_14_P121943	9	13126136	13126195	6493	MPDZ	0.474627	-1.05633	-1.122428	-0.970614	-0.911616
A_14_P126447	9	13173475	13173534	30660	MPDZ	0.633994	-0.92618	-0.98923	-1.089228	-0.803825
A_14_P108991	9	13207213	13207272	38038	MPDZ	0.077201	-1.1266	-1.042335	-0.887744	-0.853221
A_14_P120596	9	13240280	13240339	24746	MPDZ	0.523132	-1.03154	-0.874359	-0.595623	-0.96379
A_14_P122672	9	13364245	13364304	7172	chr9:013364245-013364304	0.94127	-0.64281	-0.756311	-0.461129	-0.573224
A_14_P139386	9	13491678	13491737	27618	chr9:013491678-013491737	1.070278	-0.43969	-0.36008	-0.550986	-0.42005
A_14_P120872	9	13585855	13585914	15672	chr9:013585855-013585914	0.604454	-0.58845	-0.668746	-0.016142	0.235079
A_14_P123311	9	13742900	13742959	39405	chr9:013742900-013742959	0.894163	-0.70807	-0.346708	-0.166057	-0.261381
A_14_P135954	9	13867280	13867339	36344	chr9:013867280-013867339	0.556013	-0.21178	-0.075066	-0.068794	-0.128413
A_14_P126505	9	14015606	14015665	25160	chr9:014015606-014015665	1.324269	-0.65067	-0.384245	-0.098274	-0.282966
A_14_P123749	9	14077982	14078041	3228	NFIB	0.489613	-0.66715	-0.621839	-0.613809	-0.360967
A_14_P120779	9	14136754	14136813	13956	NFIB	0.570897	-0.79322	-0.953575	-1.068849	-0.745988
A_14_P128032	9	14169741	14169792	34601	NFIB	0.55963	-0.64888	-0.655392	-0.601372	-0.601473
A_14_P118937	9	14260425	14260484	19085	NFIB	0.854693	-0.39973	-0.093592	-0.281079	0.079716
A_14_P131058	9	14297028	14297079	1511	NFIB	0.899223	-0.40856	-0.287278	-0.515128	-0.445153
A_14_P127735	9	14387186	14387245	37490	NFIB	0.744719	-0.38623	-0.733798	-0.573976	-0.508516

A_14_P112423	9	14496695	14496754	40550	THC2126635	1.082478	-0.18356	-0.122612	-0.532771	-0.073544
A_14_P111726	9	14600351	14600410	15353	chr9:014600351-014600410	0.328082	-0.94272	-0.730602	-0.891607	-0.763024
A_14_P125182	9	14629912	14629971	10544	ZDHHC21	0.142384	-1.56266	-1.009094	-1.093977	-0.937748
A_14_P132360	9	14670121	14670180	38524	ZDHHC21	0.815103	-1.05301	-0.542988	-0.563221	-0.979345
A_14_P128784	9	14710333	14710392	4140	CER1	0.713488	-0.97127	-0.500427	-0.732008	-0.263309
A_14_P104174	9	14740215	14740274	5659	FREM1	0.909441	-0.38455	-0.132151	-0.18062	0.294305
A_14_P118605	9	14877042	14877101	19417	FREM1	0.707849	-0.86169	-0.609311	-0.619285	-0.472361
A_14_P126687	9	15094399	15094458	40808	AK127963	0.954757	-0.26743	-0.187605	-0.4092	-0.173511
A_14_P130440	9	15175692	15175751	15352	C9orf52	0.916645	-0.38083	-0.611791	-0.270456	-0.10536
A_14_P111870	9	15215981	15216038	32061	C9orf52	0.705623	-1.22064	-0.987512	-0.608294	-0.996273
A_14_P135249	9	15257912	15257965	1961	C9orf52	1.046401	-0.73952	-0.591411	-0.831563	-0.950162
A_14_P111040	9	15295842	15295901	41263	C9orf52	0.948337	-0.53802	-0.363246	-0.248467	-0.295822
A_14_P110174	9	15434582	15434638	2667	SNAPC3	0.826978	-0.87198	-0.485874	-0.651304	-0.545431
A_14_P128808	9	15468451	15468510	19846	PSIP1	0.09227	-1.52359	-1.199424	-1.25746	-1.190838
A_14_P105718	9	15496545	15496601	36343	PSIP1	1.237604	-0.34499	-0.703686	-0.469641	-0.531337
A_14_P118169	9	15581401	15581460	16685	C9orf93	0.470006	-1.00863	-0.849976	-0.959203	-0.778359
A_14_P115692	9	15735493	15735552	12097	C9orf93	0.559421	-1.04741	-0.90857	-1.149708	-0.884093
A_14_P137240	9	15769098	15769157	7325	C9orf93	0.364037	-0.64819	-0.324093	-0.328074	-0.392496
A_14_P112723	9	15835641	15835700	26154	C9orf93	-0.78013	-0.72097	-0.525477	-0.194231	0.27127
A_14_P115272	9	15865748	15865807	5832	C9orf93	0.534722	-0.47299	-0.872794	-1.052675	-0.54115
A_14_P121116	9	15910301	15910360	41712	C9orf93	0.849601	-0.30346	-0.353572	-0.513703	0.166413
A_14_P107760	9	16005445	16005504	15525	AL832443	0.774758	-0.54269	-0.544051	-1.077682	-0.302858
A_14_P124281	9	16297883	16297942	4320	chr9:016297883-016297942	1.370949	-0.06625	-0.337968	-0.386644	-0.586885
A_14_P137212	9	16408754	16408813	24144	BNC2	0.982398	-0.04407	-0.22241	0.086662	-0.13796
A_14_P123856	9	16424825	16424884	11895	BNC2	0.777321	-0.55237	-0.802761	-0.705427	-0.580466
A_14_P116156	9	16516550	16516609	40126	BNC2	0.835918	-0.60318	-0.352138	-0.943051	-0.106667
A_14_P121758	9	16650469	16650528	37641	BNC2	0.513607	-0.90955	-0.66575	-1.085785	-0.701641
A_14_P129982	9	16824893	16824952	31114	CR933649	0.278737	-0.90009	-0.248669	-0.664981	-0.283868
A_14_P113415	9	17010094	17010153	28087	chr9:017010094-017010153	0.596722	-0.58106	-0.82713	-0.755117	-0.637899
A_14_P111589	9	17133289	17133345	8049	C9orf39	0.693208	-1.23496	-0.798234	-0.998119	-0.894811
A_14_P139298	9	17185765	17185824	17745	C9orf39	0.509884	-1.65704	-1.144934	-1.273537	-1.055185
A_14_P134003	9	17225697	17225756	2377	C9orf39	0.575797	-1.05251	-0.905072	-0.748319	-0.091797
A_14_P111571	9	17288850	17288909	41399	C9orf39	0.458348	-1.14941	-1.357786	-1.17103	-0.978129
A_14_P115836	9	17332315	17332374	42019	C9orf39	0.475841	-1.16256	-1.003612	-0.953873	-0.962628
A_14_P135776	9	17456848	17456907	18602	C9orf39	0.589321	-1.17083	-1.420917	-0.890693	-1.04815
A_14_P102486	9	17492885	17492944	29890	C9orf39	1.042781	-0.6656	-0.513875	-0.468847	-0.202123
A_14_P123391	9	17568661	17568717	2216	chr9:017568661-017568717	0.794289	-0.93019	2.08139	-0.437329	-0.612948
A_14_P107438	9	17620872	17620931	2225	SH3GL2	0.488719	-0.73708	-0.045424	-0.699409	-0.263824
A_14_P100445	9	17699065	17699124	3617	SH3GL2	0.709575	-0.44525	-0.896464	-1.1298	-0.519596
A_14_P112252	9	17751453	17751511	8599	SH3GL2	0.805727	-0.21993	-0.638994	-0.707546	-0.18585
A_14_P101372	9	17786669	17786728	25538	SH3GL2	0.922403	-0.42513	-0.829745	-0.827146	-0.547392
A_14_P123124	9	17841059	17841118	36978	chr9:017841059-017841118	1.122161	-0.39966	-0.088792	-0.570049	-0.099392
A_14_P117097	9	17975541	17975600	4862	chr9:017975541-017975600	0.787811	-0.62387	-0.77743	-1.411519	-0.368926
A_14_P116503	9	18176747	18176806	36200	chr9:018176747-018176806	0.87154	-0.82004	-0.505143	-0.792998	-0.37998
A_14_P129588	9	18278809	18278868	7581	chr9:018278809-018278868	0.384028	-0.43318	-0.708495	-0.409649	-0.482325
A_14_P135045	9	18388255	18388314	24751	AI628643	0.615636	-0.56515	-0.816102	-0.70325	-0.924141
A_14_P121984	9	18464451	18464510	30517	ADAMTSL1	0.896349	-0.66156	-0.636265	-0.600654	-0.621678
A_14_P124537	9	18523248	18523307	15805	ADAMTSL1	1.012589	-0.15573	-0.298861	-0.456172	-0.250217
A_14_P116569	9	18564217	18564273	39095	ADAMTSL1	0.829663	-0.63705	-0.377995	-0.809915	-0.631031
A_14_P121190	9	18629234	18629284	18140	ADAMTSL1	0.735606	-0.82071	-0.561785	-0.589125	-0.210633
A_14_P132270	9	18671030	18671089	18069	ADAMTSL1	1.073255	-0.60653	-0.846444	-0.608003	-0.541159
A_14_P124587	9	18733237	18733296	17086	chr9:018733237-018733296	0.95146	-0.33543	-0.277397	-0.161929	-0.024659
A_14_P118808	9	18828925	18828984	18481	C9orf94	0.816132	-0.88239	-0.56434	-0.715997	-0.393741
A_14_P129080	9	18882921	18882980	17603	C9orf94	1.182585	-0.54943	-0.07926	-0.331433	-0.03751
A_14_P100522	9	18940859	18940918	38040	C9orf138	1.011258	-0.31053	0.0481	-0.244325	-0.034033
A_14_P130412	9	18983768	18983827	2680	C9orf138	0.888936	-0.75356	-0.548116	-0.463304	-0.423759
A_14_P106917	9	19012646	19012705	21556	C9orf138	0.67277	-0.8008	-0.767641	-0.555903	-0.850623
A_14_P102520	9	19040855	19040914	37082	RRAGA	1.251911	-0.71553	-0.21913	-0.544793	-0.491734
A_14_P110216	9	19047618	19047677	31023	FAM29A	0.861557	-0.68627	-0.494621	-0.470714	-0.578681
A_14_P100674	9	19047891	19047950	27661	FAM29A	1.069943	-0.58768	-0.086258	-0.482063	-0.201654
A_14_P106258	9	19086648	19086707	9826	FAM29A	0.718048	-0.08281	-0.128713	-0.319507	0.131515
A_14_P106258	9	19086648	19086707	24478	FAM29A	0.710636	-0.09349	-0.093304	-0.224391	0.126479
A_14_P106258	9	19086648	19086707	6643	FAM29A	0.703746	-0.07434	-0.108974	-0.326434	0.098701
A_14_P118582	9	19110377	19110436	38055	ADFP	1.146328	-0.4187	0.455518	-0.068908	-0.06326
A_14_P105692	9	19203822	19203881	15612	AF274945	1.418121	-0.26496	0.090259	-0.102156	0.021846
A_14_P103673	9	19286099	19286158	13890	C9orf55	0.419294	-0.46324	-0.296944	-0.749802	-0.578735
A_14_P108728	9	19314347	19314406	33445	C9orf55	0.708865	-0.77256	-0.082964	-0.635857	-0.495801
A_14_P101924	9	19347623	19347682	39917	C9orf55	0.964227	-0.5073	-0.044581	-0.270679	-0.195832
A_14_P135698	9	19368480	19368539	17010	RPS6	-0.084504	0.097854	0.096681	-0.042998	0.087485
A_14_P105218	9	19501524	19501583	17746	AK127092	0.736104	-0.84172	-1.077557	-0.982537	-0.873489
A_14_P110734	9	19540125	19540179	43140	SLC24A2	1.131763	-0.11356	-0.323589	-0.427808	-0.232434
A_14_P115404	9	19587233	19587292	33145	SLC24A2	0.932402	-0.10464	-0.388495	-0.262182	0.009979
A_14_P100009	9	19636699	19636758	35267	SLC24A2	0.946306	-0.06344	-0.600048	-0.778083	-0.504947

A_14_P116599	9	19716199	19716258	17375	SLC24A2	0.224453	-1.14846	-0.611343	-1.056603	-0.894756
A_14_P137232	9	19775974	19776033	26597	SLC24A2	1.013655	-0.99689	-0.852455	-0.871488	-0.568136
A_14_P109715	9	19804638	19804697	33701	chr9:019804638-019804697	0.636395	-1.40539	-1.111176	-1.050573	-1.168604
A_14_P115522	9	19908661	19908720	38090	chr9:019908661-019908720	0.753511	-0.32599	-0.435154	-0.461942	-0.279321
A_14_P119246	9	20111574	20111633	20502	chr9:020111574-020111633	-0.139321	-0.39852	-0.477628	-0.811111	-0.331425
A_14_P131247	9	20208937	20208996	7211	chr9:020208937-020208996	-0.118415	-0.47827	-0.619618	-0.536454	-0.222421
A_14_P127715	9	20300511	20300570	8695	chr9:020300511-020300570	-0.0369	-0.43109	-0.47244	-0.630638	-0.383912
A_14_P116482	9	20336094	20336153	14267	MLLT3	-0.145982	-0.74777	-0.765617	-0.59677	-0.576381
A_14_P126758	9	20446703	20446762	29484	MLLT3	0.389145	-0.975	-0.821354	-0.778023	-0.809748
A_14_P111169	9	20510469	20510528	22032	MLLT3	-0.169814	-0.79028	-0.5071	-0.283275	-0.401707
A_14_P108723	9	20607752	20607811	37347	MLLT3	-0.179286	-0.77049	-0.620852	-0.76304	-0.583597
A_14_P125380	9	20640349	20640408	32454	chr9:020640349-020640408	-0.319092	-0.77151	-0.561685	-0.615013	-0.766465
A_14_P113345	9	20684462	20684521	27447	chr9:020684462-020684521	-0.405248	-0.9295	-0.889573	-0.959222	-0.714672
A_14_P116892	9	20768714	20768773	39576	KIAA1797	0.563394	-0.25544	-0.358135	-0.480713	-0.149473
A_14_P113538	9	20810273	20810332	43119	KIAA1797	-0.062516	-0.50019	-0.53638	-0.487864	-0.073933
A_14_P115355	9	20864659	20864718	29178	KIAA1797	-0.461649	-0.70788	-1.01502	-1.119504	-0.828705
A_14_P132615	9	20943032	20943091	36694	KIAA1797	-0.079706	-0.55289	-0.667244	-0.594431	-0.037898
A_14_P106161	9	20992866	20992925	21395	chr9:020992866-020992925	-0.32315	-0.89479	-0.859501	-0.676882	-0.608013
A_14_P124911	9	21067574	21067633	30607	IFNB1	-0.130618	-0.93951	-0.538355	-0.398962	-0.329538
A_14_P102024	9	21095075	21095134	12358	chr9:021095075-021095134	0.099812	-0.96867	-1.014537	-0.323969	-0.199028
A_14_P129669	9	21130864	21130923	36432	IFNW1	-0.310134	-0.93047	-0.90205	-1.111222	-0.889458
A_14_P131521	9	21131868	21131927	17302	IFNW1	-0.038413	-0.42713	-0.368697	-0.753813	-0.050766
A_14_P136897	9	21154498	21154557	18754	chr9:021154498-021154557	-0.386564	-0.97676	-0.899608	-1.066	-0.819531
A_14_P105962	9	21168022	21168081	26296	chr9:021168022-021168081	-0.019859	-0.59342	-0.552326	-0.85682	-0.533519
A_14_P104628	9	21231471	21231530	2519	chr9:021231471-021231530	-0.083961	-0.71383	-0.84668	-1.295823	-0.338632
A_14_P116804	9	21294530	21294589	38845	IFNA5	0.05924	-0.60433	-0.34418	-0.442505	0.026899
A_14_P139584	9	21321182	21321241	39473	KLHL9	-0.083851	-0.61203	-0.889922	-0.195921	-0.406595
A_14_P105274	9	21337678	21337737	31533	chr9:021337678-021337737	-0.533373	-1.29423	-1.040281	-1.163302	-1.034716
A_14_P127147	9	21362177	21362236	3814	chr9:021362177-021362236	-0.075363	-1.08206	-0.711478	-1.040989	-0.381401
A_14_P104948	9	21374383	21374442	39835	IFNA2	0.121441	-0.8603	-0.49505	-0.56436	-0.211333
A_14_P109107	9	21399800	21399850	15964	IFNA8	0.44716	-0.7202	-0.418006	-0.301165	-0.068095
A_14_P105901	9	21431614	21431673	1449	chr9:021431614-021431673	-0.100543	-1.07615	-0.945477	-0.90475	-0.869157
A_14_P101271	9	21471540	21471599	11305	IFNE1	-0.1787	-0.41291	-0.893012	-0.864169	-0.738663
A_14_P113652	9	21537336	21537395	41052	AK124391	-6.199954	-1.41443	-1.230545	-0.983545	-1.005763
A_14_P130737	9	21733410	21733469	22301	chr9:021733410-021733469	-5.003456	-0.32419	-0.704085	-0.747517	-0.204442
A_14_P105352	9	21795270	21795329	10703	MTAP	-4.052906	-0.64217	-0.175224	-0.281656	-0.249724
A_14_P117235	9	21845114	21845173	18900	MTAP	-4.38948	-0.75266	-0.761363	-0.938408	-0.979586
A_14_P101143	9	21853204	21853263	14608	MTAP	-4.454612	-0.89241	-0.658762	-0.785305	-0.872841
A_14_P121053	9	21957548	21957607	38588	C9orf53	-4.772336	-1.10428	-0.810284	-0.740588	-0.925523
A_14_P129522	9	21958041	21958099	20452	CDKN2A	-3.082735	-0.90977	-0.567499	-0.563103	-0.73971
A_14_P130650	9	21968346	21968405	28823	CDKN2A	-4.909179	-1.30631	-0.943173	-1.160611	-1.299896
A_14_P112983	9	21980522	21980581	39890	CDKN2A	-3.886752	-0.73545	-0.658425	-0.679522	-0.906729
A_14_P102897	9	21993651	21993710	16778	CDKN2B	-4.159651	-0.95772	-0.723257	-0.752693	-0.935094
A_14_P103496	9	21998167	21998226	20387	CDKN2B	-5.62442	-1.09279	-0.647171	-0.841608	-0.962622
A_14_P127768	9	21998596	21998655	20500	CDKN2B	-5.098234	-1.23084	-0.687134	-1.097487	-1.255368
A_14_P118440	9	21998982	21999029	35953	CDKN2B	-1.907127	-0.55086	0.529111	-0.790176	-2.478843
A_14_P106813	9	22136626	22136685	39329	LOC401495	-5.006992	-1.08782	-0.598273	-0.712121	-0.638607
A_14_P113515	9	22316165	22316224	6314	chr9:022316165-022316224	-4.84499	-0.87986	-0.798418	-0.772284	-0.637206
A_14_P129139	9	22690103	22690162	4142	AX747623	-5.192927	-0.34585	-0.704022	-0.810098	-0.168709
A_14_P127990	9	22889584	22889643	16321	chr9:022889584-022889643	-6.577623	-0.6385	-0.423866	-0.463946	-0.362755
A_14_P116221	9	22992318	22992377	17657	chr9:022992318-022992377	-3.244513	-0.03018	-0.717943	-0.522539	-0.102904
A_14_P102923	9	23425976	23426035	15451	chr9:023425976-023426035	-4.032987	-0.8341	-0.317323	-0.642776	-0.446244
A_14_P128755	9	23649971	23650030	13523	CR627240	-2.325228	-0.1517	-0.496284	-0.512028	-0.447386
A_14_P113744	9	23680273	23680332	27434	ELAVL2	-4.251452	-0.38851	-0.65757	-0.659726	-0.605376
A_14_P101322	9	23714814	23714873	9485	ELAVL2	-3.968281	-0.40974	-0.402153	-0.657709	-0.916976
A_14_P106458	9	23779157	23779216	34983	ELAVL2	-3.117608	-0.93748	-0.860581	-1.058277	-0.995801
A_14_P116494	9	23816193	23816243	9723	ELAVL2	-0.754246	-0.32212	-0.146774	-0.215698	-0.214357
A_14_P123655	9	24022718	24022777	22871	chr9:024022718-024022777	-4.555069	-0.36848	-0.848194	-0.871687	-0.203735
A_14_P124975	9	24136307	24136366	23227	chr9:024136307-024136366	-4.48416	-0.97279	-0.870529	-1.001607	-0.329621
A_14_P133944	9	24538868	24538927	35819	BU561092	-3.713721	-0.83321	-0.33938	-0.635858	-0.033014
A_14_P116740	9	24684752	24684811	19474	chr9:024684752-024684811	-4.591509	-0.92233	-0.996193	-1.148728	-0.856437
A_14_P107920	9	24873989	24874048	24516	chr9:024873989-024874048	-4.841781	-1.39175	-1.656347	-1.438604	-1.05512
A_14_P103463	9	25081725	25081784	5513	chr9:025081725-025081784	-1.178216	-0.76754	-0.83977	-0.831058	-0.755006
A_14_P115765	9	25195505	25195564	28069	chr9:025195505-025195564	-0.855633	-0.61811	-1.043545	-0.944545	-0.701161
A_14_P125459	9	25357325	25357384	10376	chr9:025357325-025357384	-4.991399	-1.28014	-1.342699	-1.255175	-1.224222
A_14_P104894	9	25573028	25573087	20088	chr9:025573028-025573087	-4.868785	-1.26931	-0.963636	-0.987429	-1.445665
A_14_P109134	9	25728780	25728839	8139	chr9:025728780-025728839	-3.940201	-1.023	-0.58505	-0.575875	-0.836561
A_14_P110074	9	25899346	25899405	40351	chr9:025899346-025899405	-6.243943	-0.90526	-0.824436	-0.926378	-0.403213
A_14_P106279	9	26086341	26086400	32128	FLJ16323	-5.151663	-0.46699	-0.491836	-0.611618	0.026855
A_14_P104406	9	26311885	26311944	34782	chr9:026311885-026311944	-2.074522	-1.38515	-0.927465	-1.007137	-0.614284
A_14_P125576	9	26454989	26455048	8744	chr9:026454989-026455048	-1.854539	-1.2665	-1.193818	-1.111128	-1.090183
A_14_P111432	9	26639384	26639443	22484	chr9:026639384-026639443	-1.643308	-0.89363	-0.538427	-0.822208	-0.385659
A_14_P135744	9	26790767	26790826	17529	chr9:026790767-026790826	-2.104587	-1.32014	-1.490615	-1.450651	-1.213222

A_14_P118580	9	26831650	26831709	10720	C9orf82	-1.195094	-1.09886	-0.685958	-0.804143	-1.141054
A_14_P131102	9	26867539	26867598	10005	C9orf82	-1.193729	-0.93722	-0.649361	-0.81108	-0.713145
A_14_P134594	9	26904780	26904839	16894	PLAA	-1.256792	-0.74115	-0.370688	-0.725297	-0.380744
A_14_P127755	9	26933569	26933628	2210	PLAA	-1.390894	-0.95878	-0.434063	-0.776158	-0.362403
A_14_P120970	9	26989600	26989659	25158	CCDC2	-0.905287	-0.20385	-0.49715	-0.555268	-0.605277
A_14_P120037	9	27019070	27019129	25016	CCDC2	-1.321814	-1.01712	-0.943013	-0.876643	-1.046746
A_14_P132422	9	27052817	27052876	10868	CCDC2	-0.963619	-0.67552	-0.318109	-0.603127	-0.469008
A_14_P117680	9	27100164	27100223	16227	TEK	-0.625354	-0.90665	-0.323938	-0.456032	-0.75481
A_14_P137338	9	27111885	27111944	36120	TEK	-1.179768	-0.94543	-0.361868	-0.696578	-0.778036
A_14_P136657	9	27148028	27148087	14176	TEK	-1.111494	-0.3928	-0.43119	-0.676251	-0.230121
A_14_P116356	9	27220105	27220164	37866	TEK	-1.084332	-0.48509	-0.624265	-0.77367	-0.437751
A_14_P116356	9	27220105	27220164	22619	TEK	-1.120181	-0.43045	-0.667163	-0.502042	-0.454321
A_14_P116356	9	27220105	27220164	15342	TEK	-1.317387	-0.50812	-0.658368	-0.925927	-0.465788
A_14_P121378	9	27253839	27253898	8373	C9orf14	-1.529009	-0.55605	-0.749331	-1.090061	-0.369027
A_14_P125261	9	27316598	27316657	25487	MOBK2B	-1.103844	-0.29521	-0.298209	-0.93385	-0.962774
A_14_P109949	9	27364468	27364527	11670	MOBK2B	-0.996486	-0.23356	-0.247863	-0.434631	-0.354429
A_14_P103371	9	27445716	27445771	25546	MOBK2B	-1.242962	-0.27554	-0.344457	-0.742852	-0.194176
A_14_P129027	9	27514323	27514382	26454	MOBK2B	-0.791172	-0.62545	-0.310619	-0.627076	-1.314162
A_14_P113409	9	27546647	27546704	14483	C9orf72	-0.573583	-0.53232	-0.493691	-0.523063	-0.347979
A_14_P131150	9	27616876	27616935	3448	chr9:027616876-027616935	-1.457914	-1.17751	-0.905548	-0.883293	-0.931937
A_14_P134672	9	27767632	27767691	6834	chr9:027767632-027767691	-1.381376	-0.59952	-0.854379	-0.928534	-0.500148
A_14_P129354	9	27906783	27906842	18526	chr9:027906783-027906842	-1.681561	-0.73691	-0.758201	-0.79327	-0.322848
A_14_P135485	9	27939969	27940028	14039	FLJ31810	-1.339767	-0.80521	-0.813404	-0.906181	-0.170288
A_14_P101686	9	28203365	28203424	8764	FLJ31810	-1.499763	-0.92584	-0.968621	-0.716821	-0.615254
A_14_P113468	9	28509569	28509628	13797	FLJ31810	-1.174402	-0.48532	-0.425353	-0.833166	-0.055775
A_14_P137718	9	28660476	28660535	34447	THC2061367	-1.660396	-0.79056	-0.702572	-1.137282	-0.691478
A_14_P120186	9	28734987	28735046	13326	THC2061367	-1.569008	-1.27737	-1.254814	-1.497119	-0.83829
A_14_P111082	9	29012489	29012548	36878	THC2061367	-1.893	-0.71949	-0.805334	-0.96708	-0.405433
A_14_P106446	9	29209997	29210056	41400	chr9:029209997-029210056	-0.301057	-0.74384	-0.515764	-0.530582	-0.599267
A_14_P102285	9	29447747	29447806	12052	chr9:029447747-029447806	-1.666021	-0.99307	-0.171746	-0.799995	-0.439321
A_14_P128761	9	29591835	29591894	3664	chr9:029591835-029591894	-1.49124	-1.25264	-0.933135	-0.771065	-0.528237
A_14_P107553	9	29743333	29743392	15327	chr9:029743333-029743392	-0.947712	-1.24684	-0.417564	-0.63206	0.04634
A_14_P119736	9	29908743	29908802	33669	chr9:029908743-029908802	-1.370828	-0.91295	-0.732565	-0.855306	-0.60802
A_14_P106899	9	30134402	30134461	1909	chr9:030134402-030134461	-1.665022	-1.18471	-1.466333	-1.451692	-0.963018
A_14_P125500	9	30414069	30414128	34807	chr9:030414069-030414128	-1.737744	-0.77836	-1.174513	-1.164302	-0.534738
A_14_P133121	9	30542335	30542394	9261	chr9:030542335-030542394	-1.590582	-1.0218	-0.830885	-0.899337	-0.47221
A_14_P116437	9	30737580	30737639	527	chr9:030737580-030737639	-1.845232	-1.20022	-0.881519	-0.900935	-0.731287
A_14_P135246	9	31013099	31013158	19485	chr9:031013099-031013158	-1.259506	-0.98532	-0.944665	-0.856001	-0.961222
A_14_P139251	9	31181538	31181597	9594	chr9:031181538-031181597	-1.666248	-1.00424	-0.628046	-0.902625	-0.383162
A_14_P114603	9	31357313	31357372	39736	chr9:031357313-031357372	-1.429185	-0.90464	-0.811295	-0.717688	-0.30428
A_14_P133601	9	31463840	31463899	27117	chr9:031463840-031463899	-1.369982	-0.90913	-0.623022	-0.627233	-0.744365
A_14_P101829	9	31713924	31713983	29839	AK124280	-1.103495	-0.42343	-0.384197	-0.650896	0.199816
A_14_P136706	9	31881415	31881474	10115	chr9:031881415-031881474	-1.509551	-0.60281	-0.792701	-0.235702	-0.006321
A_14_P104494	9	32020469	32020528	41627	chr9:032020469-032020528	-1.171893	-0.81662	-0.493134	-0.966595	-0.658534
A_14_P120414	9	32195770	32195829	30797	chr9:032195770-032195829	-0.108356	-0.53315	-0.426627	-0.721354	-0.397098
A_14_P102783	9	32375919	32375966	43662	ACO1	-0.196748	-0.47689	-0.251384	-0.499104	-0.556777
A_14_P138680	9	32415365	32415424	38869	ACO1	-0.26801	-0.29991	-0.051009	-0.351746	0.010398
A_14_P136455	9	32446057	32446116	8928	DDX58	-0.398514	-0.70998	-0.699108	-0.667171	-0.550268
A_14_P129780	9	32514411	32514470	22827	DDX58	-0.34131	-0.78593	-0.394808	-0.399123	-0.188702
A_14_P126475	9	32538760	32538819	13222	TOPORS	-0.789772	-0.95233	-0.489666	-0.578866	-0.280276
A_14_P107037	9	32541259	32541318	25023	TOPORS	-0.629996	-0.93741	-0.271069	-0.338185	-0.157334
A_14_P135984	9	32548887	32548946	36595	NDUFB6	-0.781394	-1.25872	-0.750043	-0.682009	-0.671287
A_14_P108455	9	32623070	32623127	40320	TAF1L	-0.242441	-0.18669	0.130563	-0.422032	-0.313469
A_14_P139980	9	32834623	32834682	1286	chr9:032834623-032834682	-0.481246	-0.69565	-0.226804	-0.700202	-0.375251
A_14_P121977	9	32978063	32978122	12719	APTX	-0.221333	-0.55536	-0.394979	-0.350955	-0.512042
A_14_P102776	9	33019002	33019061	40228	DNAJA1	-0.210314	-0.79661	-0.048756	-0.048488	-0.250961
A_14_P108970	9	33025827	33025886	9358	DNAJA1	-0.009203	-0.61132	-0.252191	-0.446168	-0.561847
A_14_P106115	9	33027699	33027758	34493	DNAJA1	0.310102	-0.61513	-0.010453	-0.147188	-0.351757
A_14_P137305	9	33036145	33036204	10223	SMU1	-0.495015	-1.24846	-0.463247	-0.577762	-0.83412
A_14_P100153	9	33066240	33066291	3648	SMU1	0.002687	-0.99931	-0.705695	-0.346006	-0.761888
A_14_P117645	9	33114815	33114874	36336	B4GALT1	0.300271	-0.59371	-0.351606	0.049563	-0.372306
A_14_P119243	9	33155416	33155475	16142	B4GALT1	-0.085483	-0.55169	-0.518207	-0.131123	-0.624533
A_14_P139968	9	33238412	33238467	19803	SPINK4	0.4897	-0.20048	0.414472	0.81137	0.083227
A_14_P136108	9	33245269	33245317	43268	BAG1	-0.078878	-0.68197	-0.370995	0.267674	-0.537136
A_14_P132950	9	33257864	33257923	42479	SNF7DC2	-0.087076	0.001221	-0.087361	-0.135322	-0.224283
A_14_P105756	9	33293233	33293292	43749	NFX1	-0.237227	-0.38054	-0.047439	0.008222	-0.403133
A_14_P126317	9	33337012	33337070	3721	NFX1	0.095377	-0.35934	-0.332164	-0.492873	-0.728978
A_14_P138615	9	33394021	33394066	15063	AA491841	0.489451	-0.02201	-0.014764	0.31958	0.204606
A_14_P113876	9	33431267	33431326	17528	AQP3	0.69676	0.53175	0.54877	0.573817	0.447041
A_14_P125761	9	33456965	33457009	39111	NOL6	0.238514	-0.0026	0.139735	0.074749	-0.019545
A_14_P134218	9	33745689	33745748	30777	PRSS3	0.043089	-0.81149	-0.477978	-0.441444	-0.475216
A_14_P124089	9	33778378	33778437	35017	PRSS3	-0.610086	-0.49348	-0.535892	-0.076755	-0.701859
A_14_P132380	9	33809009	33809068	998	UBE2R2	0.04892	-0.72681	-0.642012	-0.7349	-0.651292

A_14_P116012	9	33852241	33852300	8260	UBE2R2	-0.111688	-0.39057	-0.18259	-0.108489	-0.178264
A_14_P111916	9	33890470	33890529	34298	UBE2R2	-0.137069	-0.42567	-0.188576	-0.238136	-0.474048
A_14_P123714	9	33931822	33931881	6352	UBAP2	-0.443945	-0.41766	-0.148242	-0.327966	-0.448892
A_14_P139249	9	33961695	33961753	18021	UBAP2	-0.036284	-0.24556	-0.164859	-0.423963	-0.390586
A_14_P106489	9	34007112	34007171	25093	UBAP2	-0.114319	-0.21297	0.035694	-0.143122	-0.086189
A_14_P110483	9	34075974	34076033	26664	chr9:034075974-034076033	-0.63266	-0.08263	0.144104	0.101293	0.11623
A_14_P127668	9	34105673	34105732	18411	WDR40A	0.072385	-0.44704	0.036075	-0.182369	-0.389552
A_14_P102740	9	34168719	34168773	22194	LOC340499	0.184512	-0.36265	-0.150084	-0.331644	-0.284846
A_14_P100730	9	34177967	34178026	18534	UBAP1	0.394711	-0.19351	-0.300198	-0.123525	-0.309849
A_14_P114097	9	34247917	34247975	31169	C9orf48	0.306905	-0.07417	0.039787	0.621816	-0.076651
A_14_P104789	9	34300936	34300995	27246	KIF24	-6.72E-04	-0.41329	-0.03348	-0.166138	-0.151306
A_14_P117683	9	34326250	34326303	28904	NUDT2	0.236063	-0.052	0.075089	-0.19192	-0.354925
A_14_P136312	9	34371776	34371835	18956	C9orf24	0.008258	-0.16829	-0.163932	-0.022044	-0.408169
A_14_P102888	9	34388235	34388294	29180	C9orf25	-0.071137	-0.23526	0.026904	-0.327557	-0.318243
A_14_P132242	9	34462039	34462098	32440	DNAI1	0.095943	-0.62517	-0.184587	-0.257856	-0.442656
A_14_P117242	9	34510945	34510996	27001	THC2146982	-0.085688	-0.39113	-0.231334	-0.217087	-0.388803
A_14_P107103	9	34578605	34578663	2415	CNTFR	0.626748	0.190371	0.407655	0.094846	-0.331782
A_14_P107615	9	34600488	34600545	28830	chr9:034600488-034600545	0.507087	0.189805	0.219901	0.466607	0.217792
A_14_P119846	9	34604028	34604074	1279	DCTN3	0.453383	-0.23495	-0.011482	-0.063632	-0.171023
A_14_P103245	9	34608506	34608565	39908	DCTN3	0.357482	0.120128	0.397413	0.389238	-0.076429
A_14_P107916	9	34626747	34626806	22875	OPRS1	0.072721	-0.52324	-0.275523	0.60707	-0.605241
A_14_P100216	9	34638095	34638150	30140	GALT	0.750208	0.070485	0.205347	0.185019	-0.012665
A_14_P131240	9	34651841	34651899	2713	IL11RA	-0.097607	-0.2062	0.079657	-0.315154	-0.030782
A_14_P132346	9	34651900	34651957	29035	CCL27	0.02268	-0.88787	-0.410581	-0.651893	-0.734062
A_14_P112609	9	34654682	34654738	3637	CCL27	0.369595	-0.37325	-0.017687	-0.387651	-0.236943
A_14_P129790	9	34680988	34681036	601	CCL19	0.153532	-0.59691	-0.158676	-0.121458	-0.190776
A_14_P112392	9	34856614	34856673	23095	chr9:034856614-034856673	-0.636072	-0.71814	-0.541331	-0.831641	-0.474281
A_14_P122431	9	34980765	34980815	15415	DNAJB5	0.061117	-0.40556	0.012166	-0.082556	-0.158161
A_14_P124958	9	34986075	34986134	680	DNAJB5	-0.52438	-1.29041	-1.074702	-0.900388	-1.134492
A_14_P124926	9	35049634	35049690	27009	VCP	-0.403195	-1.43459	-0.763996	-0.768318	-0.741136
A_14_P103760	9	35057909	35057967	6894	VCP	0.174796	-0.34323	0.259517	0.118624	-0.00406
A_14_P127907	9	35063835	35063894	22798	FANCG	0.00863	-0.5857	-0.357786	-0.249614	-0.490074
A_14_P108514	9	35066524	35066568	9958	FANCG	0.103031	-0.80142	-0.272602	-0.203167	-0.501794
A_14_P120187	9	35068864	35068919	18008	FANCG	0.089587	-0.73316	0.045152	-0.020976	-0.133443
A_14_P123344	9	35080704	35080763	30042	PIGO	0.07574	-0.92531	-0.160909	-0.140209	-0.287277
A_14_P124126	9	35091632	35091689	20322	STOML2	-0.037205	-0.90819	0.040275	-0.077715	-0.151656
A_14_P102628	9	35097349	35097397	39368	KIAA1539	0.235307	-0.69834	0.030316	-0.131522	-0.350677
A_14_P122160	9	35100120	35100174	1425	KIAA1539	0.335394	-0.32337	0.546033	0.165293	0.214261
A_14_P100981	9	35105705	35105749	36923	KIAA1539	-0.011362	-0.35076	-0.132259	-0.263461	-0.394752
A_14_P110697	9	35186492	35186551	17025	UNC13B	-0.180418	-0.22701	0.151844	-0.160532	-0.126135
A_14_P138480	9	35233265	35233324	5540	UNC13B	-0.141204	-0.52014	-0.481864	-0.478231	-0.523293
A_14_P135219	9	35303877	35303933	33947	UNC13B	-0.41731	-0.36807	-0.122562	-0.359524	0.20573
A_14_P133367	9	35352007	35352066	38671	UNC13B	-0.276304	-0.2439	-0.329889	-0.275867	-0.106933
A_14_P123722	9	35394384	35394443	4842	UNC13B	-0.481994	-0.52684	-0.389667	-0.52361	-0.491558
A_14_P107058	9	35532843	35532902	5580	RUSC2	-1.162804	-0.80991	-0.542459	-0.659273	-0.674067
A_14_P128330	9	35598815	35598866	10047	TESK1	-0.666665	-0.46003	0.019753	-0.077588	-0.333928
A_14_P116075	9	35602878	35602935	7051	CD72	-0.568019	-0.31496	1.324054	-0.262706	-0.397671
A_14_P132313	9	35648056	35648115	17801	chr9:035648056-035648115	0.033749	0.240067	0.369232	0.146065	0.095561
A_14_P121234	9	35649099	35649150	23932	C9orf100	-1.000998	-0.04378	0.529981	-0.318191	-0.138888
A_14_P119129	9	35654853	35654900	38469	C9orf100	-0.055756	-0.22467	0.428868	0.288874	-0.012627
A_14_P121177	9	35664281	35664329	397	CA9	-1.119065	-0.81381	-0.250721	-0.119337	-0.609346
A_14_P138050	9	35667180	35667239	18240	CA9	-0.642137	-0.32245	0.147768	0.090304	-0.229929
A_14_P138856	9	35668536	35668595	21573	CA9	-0.422241	-0.00782	0.445599	0.418159	-0.090095
A_14_P107838	9	35673662	35673721	764	TPM2	-0.553652	-0.21334	0.502398	0.323651	-0.002602
A_14_P120241	9	35698126	35698185	6363	TLN1	-0.329637	-0.29443	0.244007	0.138326	0.029051
A_14_P121653	9	35722931	35722978	34668	CREB3	-0.696304	-0.49192	0.061098	-0.201414	-0.392774
A_14_P135440	9	35723127	35723173	31645	CREB3	-0.568528	-0.56533	0.112943	-0.200259	-0.343242
A_14_P121067	9	35727452	35727502	33045	GBA2	-0.677692	-0.6067	0.054048	-0.218427	-0.491192
A_14_P118026	9	35728745	35728791	25857	GBA2	-0.631747	-0.64479	-0.238199	-0.351579	-0.578587
A_14_P132355	9	35746179	35746238	9015	KIAA0258	-1.094422	-0.59793	-0.176142	-0.458703	-0.51531
A_14_P129551	9	35798809	35798862	38101	NPR2	-0.931423	-0.72527	-0.105751	-0.144184	-0.660985
A_14_P104409	9	35802929	35802988	35621	chr9:035802929-035802988	-0.943359	-0.47736	0.125811	-0.104896	-0.493479
A_14_P108539	9	35819796	35819840	3379	C9orf127	-0.137016	-0.35257	1.964897	-0.003548	-1.990746
A_14_P115158	9	35832125	35832184	16490	C9orf127	-0.842672	-0.54956	-0.192008	-0.245349	-0.312452
A_14_P133985	9	35946958	35947017	29829	chr9:035946958-035947017	-0.902599	-0.51955	-0.078742	-0.422507	-0.306743
A_14_P112860	9	36042266	36042325	5148	RECK	-0.863939	-0.70775	-0.299322	-0.654788	-0.365445
A_14_P131230	9	36090483	36090542	33527	RECK	-1.011807	-0.35454	-0.043837	-0.386948	0.240484
A_14_P130375	9	36153040	36153099	1194	C9orf19	-0.407368	-0.20271	0.048589	0.061182	-0.533859
A_14_P103078	9	36161237	36161296	19849	CCIN	-0.613634	-0.24078	0.124385	0.301014	-0.016897
A_14_P114080	9	36182065	36182124	30701	CLTA	-0.656156	-0.47529	-0.022625	-0.148346	-0.337511
A_14_P137115	9	36207256	36207315	38266	GNE	-1.043526	-0.64022	0.062034	-0.303603	-0.004079
A_14_P133280	9	36353448	36353507	30360	RNF38	0.267234	-2.11282	-2.476257	0.847771	-0.664607
A_14_P109345	9	36390093	36390152	23287	RNF38	-1.791359	-0.9251	-0.656517	-0.645447	-0.61795

A_14_P109893	9	36409434	36409493	27523	chr9:036409434-036409493	-0.585924	-0.46535	-0.383492	-0.288143	-0.367641
A_14_P121712	9	36579598	36579656	19520	MELK	-1.319689	-0.70375	-0.205263	-0.229465	-0.150649
A_14_P139424	9	36620266	36620325	22854	MELK	-1.020292	-0.36072	-0.131541	-0.367982	-0.013438
A_14_P129125	9	36647230	36647289	7437	MELK	-1.168392	-0.58492	-0.415887	-0.698724	-0.263186
A_14_P122061	9	36659337	36659396	42388	MELK	-1.247056	-0.27264	-0.258674	-0.378761	0.065613
A_14_P120896	9	36739801	36739860	13092	chr9:036739801-036739860	-0.85282	-0.03284	-0.647972	-0.152222	-0.40254
A_14_P114256	9	36829459	36829511	19955	PAX5	-0.151349	-0.25263	0.157476	-0.06433	0.237443
A_14_P103517	9	36883592	36883651	29361	PAX5	-0.724971	-0.0894	0.063211	0.103743	0.379541
A_14_P116847	9	36930263	36930322	6098	PAX5	-0.904616	-0.62269	-0.226252	-0.168177	-0.346664
A_14_P111937	9	36982705	36982764	15005	PAX5	-0.576625	-0.12592	0.053034	-0.212223	0.299339
A_14_P122903	9	37024017	37024074	27506	PAX5	-1.034977	-0.45815	-0.229442	-0.397878	-0.250481
A_14_P119036	9	37119266	37119325	37219	ZCCHC7	-1.500462	-1.10428	-0.485299	-0.588113	-0.552382
A_14_P104590	9	37146161	37146220	19473	ZCCHC7	-1.225804	-0.98276	-0.524201	-0.998213	-0.503627
A_14_P103909	9	37176788	37176847	31009	ZCCHC7	-0.783364	-0.53777	-0.878374	-0.387418	-0.580087
A_14_P124730	9	37236517	37236576	18277	ZCCHC7	-1.626227	-0.78357	-0.702717	-0.564948	-0.419617
A_14_P120276	9	37317772	37317830	16664	ZCCHC7	-0.67681	-0.67965	-0.616171	-0.509292	-0.119725
A_14_P126471	9	37347838	37347897	14201	ZCCHC7	-0.653171	-0.33738	-0.464639	-0.131357	0.217181
A_14_P139958	9	37413984	37414041	6596	GRHPR	-0.626091	-0.30359	-0.103525	0.078191	0.129845
A_14_P123966	9	37420750	37420802	11635	GRHPR	-0.352929	0.151713	-0.100914	0.137635	0.562536
A_14_P111385	9	37450967	37451026	22275	ZBTB5	-1.198626	-0.63232	-0.129684	-0.289636	-0.102751
A_14_P128488	9	37479286	37479345	25970	PAF53	-1.185104	-0.35894	-0.33203	-0.335467	0.101664
A_14_P136992	9	37491694	37491753	15505	PAF53	-0.785885	-0.46065	0.011594	0.056499	-0.315375
A_14_P126555	9	37650527	37650586	17800	FRMPD1	-0.994178	-0.80799	-0.369261	-0.462833	-0.401998
A_14_P109933	9	37701328	37701386	23633	FRMPD1	-1.45067	-0.81439	-0.395601	-0.439327	-0.268317
A_14_P134578	9	37750851	37750910	11499	RG9MTD3	-1.309696	-0.60206	0.155138	-0.487057	-0.211183
A_14_P137395	9	37757134	37757193	1954	RG9MTD3	-1.171137	-0.66404	-0.058118	-0.401533	-0.368918
A_14_P132980	9	37768581	37768640	23265	RG9MTD3	-0.8491	-0.25652	0.357503	-0.141024	-0.079308
A_14_P123135	9	37771956	37772013	35712	EXOSC3	-0.41937	-0.82618	-0.148217	-0.116216	-0.530158
A_14_P105464	9	37847269	37847328	8007	WDR32	-1.066916	-0.91216	-0.648659	-0.729516	-0.524796
A_14_P101687	9	37883635	37883694	20380	MCART1	-1.397225	-1.18708	-0.599216	-0.676856	-0.227236
A_14_P103259	9	37911524	37911583	13380	SHB	-0.408558	-0.14037	0.020527	0.224446	0.442819
A_14_P139815	9	37988780	37988839	24314	SHB	-0.419609	0.430445	0.469984	0.22622	0.588404
A_14_P132368	9	38040719	38040778	24659	SHB	-0.563261	-0.32135	-0.121998	-0.048217	0.118354
A_14_P102076	9	38343993	38344052	25838	chr9:038343993-038344052	-0.738926	-0.14585	-0.159247	-0.053977	0.780598
A_14_P134247	9	38388612	38388671	38560	chr9:038388612-038388671	-0.650432	-0.11325	-0.147056	0.157891	0.750093
A_14_P117703	9	38526827	38526886	19491	chr9:038526827-038526886	-1.792146	-1.32892	-0.932253	-1.202012	-0.207817
A_14_P125308	9	38612201	38612248	27637	C9orf122	0.036897	-0.24279	1.377149	0.049823	-0.8073
A_14_P125020	9	38653212	38653271	8716	chr9:038653212-038653271	-0.495922	-0.67516	-0.163017	0.190468	0.150269
A_14_P108800	9	38758232	38758291	20963	chr9:038758232-038758291	-1.473163	-0.74886	-0.509728	-0.878558	0.158629
A_14_P107100	9	39130222	39130281	10537	CNTNAP3	-0.258296	-1.06561	-0.84359	-0.974129	-0.480644
A_14_P128926	9	39146895	39146954	33893	CNTNAP3	-0.721116	-0.99231	-0.721222	-0.718115	-0.197211
A_14_P127987	9	40238048	40238102	43340	CNTNAP3	0.022471	-0.29781	-0.1742	-0.208093	0.456546
A_14_P139744	9	40955632	40955673	19231	CNTNAP3	-0.690485	-1.51324	-1.040579	-1.52978	-0.810979
A_14_P125736	9	42531158	42531099	30720	chr9:042531158-042531099	-0.399461	-1.1217	-0.359293	-0.635342	-0.576788