

Appendix 1: T-tests comparing gene expression on Day0 to Days 1, 3, 5, and 7 of serum deprivation of ARPE-19 as described for each feature of the NEIBank custom human microarray. hcsID refers to the in-house feature ID, Symbol and GeneID refer to the Entrez IDs.

day	hcsID	GeneID	Symbol	p-value	t	Mean(day)	Mean(0)	FoldChange
1	hcs001a01	55929	DMAP1	0.536502	0.739744	9.53855	9.64157	0.93108
3	hcs001a01	55929	DMAP1	0.883297	0.166178	9.70407	9.65166	1.03699
5	hcs001a01	55929	DMAP1	0.145259	2.32882	10.1093	9.35142	1.69096
7	hcs001a01	55929	DMAP1	0.0104457	9.70751	9.74301	9.14716	1.51136
1	hcs001a02	57060	PCBP4	0.139628	2.38735	11.8072	12.6595	0.553901
3	hcs001a02	57060	PCBP4	0.88335	-0.166102	12.6024	12.6372	-1.02444
5	hcs001a02	57060	PCBP4	0.491694	0.834734	12.9131	12.7323	1.13354
7	hcs001a02	57060	PCBP4	0.168255	2.11879	12.827	12.3225	1.41863
5	hcs001a03	11170	FAM107A	0.814673	-0.266712	9.17835	9.22134	-1.03024
7	hcs001a03	11170	FAM107A	0.923983	-0.107817	9.2571	9.29646	-1.02766
1	hcs001a04			0.220542	1.75962	9.46047	9.72617	0.831795
3	hcs001a04			0.255872	-1.5753	9.71763	10.1218	-1.32333
5	hcs001a04			0.758102	0.352567	9.45685	9.31421	1.10392
7	hcs001a04			0.936192	0.0904217	9.67233	9.66664	1.00396
3	hcs001a05	340348	TSPAN33	0.125519	-2.54959	9.41533	9.97103	-1.46988
5	hcs001a05	340348	TSPAN33	0.500955	0.814419	9.46368	9.25471	1.15586
7	hcs001a05	340348	TSPAN33	0.224577	-1.73668	9.44273	9.49233	-1.03497
3	hcs001a06	5376	PMP22	0.856709	0.204757	10.2808	10.1986	1.05869
1	hcs001a07			0.583894	-0.647148	9.31711	8.99044	1.25411
5	hcs001a07			0.538613	-0.735461	9.60232	9.75622	-1.11258
1	hcs001a08	6319	SCD	0.464343	-0.897088	10.0943	9.96191	1.09611
3	hcs001a08	6319	SCD	0.0688955	3.61007	12.1321	10.3323	3.4818
5	hcs001a08	6319	SCD	0.0262083	6.05496	12.6099	9.79384	7.0422
7	hcs001a08	6319	SCD	0.0021628	21.4674	12.0451	9.87166	4.51087
1	hcs001a09	132160	PPM1M	0.985971	-0.0198421	9.53256	9.52678	1.00401
3	hcs001a09	132160	PPM1M	0.356617	-1.18854	9.51432	9.85041	-1.26233
5	hcs001a09	132160	PPM1M	0.890197	0.156229	9.43848	9.41152	1.01886
7	hcs001a09	132160	PPM1M	0.0762394	-3.41122	9.30802	9.52567	-1.16284
1	hcs001a10	59	ACTA2	0.0443875	4.58696	13.7139	13.925	0.863898
3	hcs001a10	59	ACTA2	0.658531	0.513793	13.7091	13.5875	1.08794
5	hcs001a10	59	ACTA2	0.993133	0.0097122	13.9016	13.9007	1.0006
7	hcs001a10	59	ACTA2	0.720282	-0.412028	13.7036	13.7891	-1.06108
1	hcs001a11	1191	CLU	0.74245	-0.376947	9.60367	9.59534	1.00579
3	hcs001a11	1191	CLU	0.180606	2.02152	10.389	9.91747	1.38656
5	hcs001a11	1191	CLU	0.0056570	13.239	10.6743	9.61003	2.09116
7	hcs001a11	1191	CLU	0.0037152	16.3604	10.6162	9.3328	2.43406
1	hcs001a12	1509	CTSD	0.559001	-0.694887	12.7439	12.5158	1.17132
3	hcs001a12	1509	CTSD	0.260442	1.55386	13.2335	12.5681	1.58601
5	hcs001a12	1509	CTSD	0.0442919	4.59225	13.1016	12.4462	1.57498
7	hcs001a12	1509	CTSD	0.220891	1.75761	12.9834	12.2722	1.63717
1	hcs001b01	11335	CBX3	0.55484	-0.703055	10.0524	9.56133	1.40549
3	hcs001b01	11335	CBX3	0.803678	-0.283151	9.96237	10.1501	-1.139
5	hcs001b01	11335	CBX3	0.087073	3.16344	10.0556	9.53052	1.43901
7	hcs001b01	11335	CBX3	0.296818	-1.39864	9.54204	9.96953	-1.34489

1	hcs001b02	1410	CRYAB	0.118771	2.6365	12.9303	14.0131	0.472123
3	hcs001b02	1410	CRYAB	0.544828	-0.722942	13.668	13.8303	-1.1191
5	hcs001b02	1410	CRYAB	0.762918	0.345124	14.1382	14.0375	1.07227
7	hcs001b02	1410	CRYAB	0.279259	1.47039	14.3927	13.8765	1.43015
1	hcs001b04	84899	TMTC4	0.0376991	-5.00354	9.75646	9.65282	1.07448
5	hcs001b04	84899	TMTC4	0.446147	-0.940731	9.63354	9.79157	-1.11577
1	hcs001b05	1915	EEF1A1	0.842346	-0.22578	14.8696	14.8173	1.03694
3	hcs001b05	1915	EEF1A1	0.20693	1.84126	14.591	14.2904	1.23166
5	hcs001b05	1915	EEF1A1	0.788427	-0.30614	14.6523	14.7053	-1.03744
7	hcs001b05	1915	EEF1A1	0.876283	-0.176317	14.5669	14.6506	-1.05976
1	hcs001b07	10980	COPS6	0.616809	0.586696	11.3064	11.4085	0.931676
3	hcs001b07	10980	COPS6	0.978203	0.030833	11.3099	11.3034	1.00452
5	hcs001b07	10980	COPS6	0.241713	1.64496	11.6099	11.4233	1.13805
7	hcs001b07	10980	COPS6	0.919989	0.113516	11.1647	11.1397	1.01743
5	hcs001b08	6490	PMEL	0.625787	-0.570681	9.17338	9.29793	-1.09016
7	hcs001b08	6490	PMEL	0.447442	-0.937563	9.07229	9.42616	-1.27799
1	hcs001b10	56948	SDR39U1	0.226338	1.72684	9.80368	10.2216	0.7485
3	hcs001b10	56948	SDR39U1	0.704512	-0.437416	10.2206	10.3857	-1.12126
5	hcs001b10	56948	SDR39U1	0.202325	1.87051	10.3458	10.0567	1.22186
7	hcs001b10	56948	SDR39U1	0.440826	0.953852	10.0128	9.81457	1.14732
1	hcs001b11	10133	OPTN	0.686339	0.467158	9.73263	9.8493	0.922312
3	hcs001b11	10133	OPTN	0.903246	-0.137475	10.3828	10.4374	-1.03854
5	hcs001b11	10133	OPTN	0.00849521	10.7803	10.2756	9.97694	1.22998
7	hcs001b11	10133	OPTN	0.648017	0.531812	9.70246	9.54485	1.11544
1	hcs001b12	60	ACTB	0.293088	1.41344	14.4803	14.7523	0.828171
3	hcs001b12	60	ACTB	0.490041	0.8384	14.5242	14.0988	1.34294
5	hcs001b12	60	ACTB	0.477891	-0.865743	14.5864	14.6458	-1.04198
7	hcs001b12	60	ACTB	0.296809	-1.39868	14.4617	14.7777	-1.24487
1	hcs001c01	23550	PSD4	0.257086	-1.56955	10.0216	9.20343	1.76317
1	hcs001c04	26071	FAM127B	0.766215	-0.340045	9.52329	9.43159	1.06562
5	hcs001c04	26071	FAM127B	0.891011	0.155057	9.53164	9.51698	1.01022
7	hcs001c04	26071	FAM127B	0.103137	-2.86757	9.52553	9.67143	-1.10643
1	hcs001c05	28969	BZW2	0.0779085	-3.36984	11.9034	11.7815	1.08819
3	hcs001c05	28969	BZW2	0.76975	0.334613	11.5391	11.4478	1.06531
5	hcs001c05	28969	BZW2	0.0698612	3.5822	11.8023	11.4473	1.27893
7	hcs001c05	28969	BZW2	0.191709	1.94146	11.76	11.5812	1.13197
1	hcs001c06			0.557972	-0.696902	9.89929	9.64991	1.1887
3	hcs001c06			0.620266	0.580508	9.98675	9.61716	1.29198
5	hcs001c06			0.359507	1.17948	9.91773	9.49572	1.3398
7	hcs001c06			0.404464	-1.04841	9.63894	9.83365	-1.14449
1	hcs001c07	2878	GPX3	0.0230975	6.46533	10.0478	10.5231	0.719334
3	hcs001c07	2878	GPX3	0.244274	-1.63197	10.4688	10.7238	-1.19336
5	hcs001c07	2878	GPX3	0.201618	1.87508	10.7934	10.4722	1.24937
7	hcs001c07	2878	GPX3	0.0518997	4.21678	10.6451	10.257	1.30865
7	hcs001c08	5160	PDHA1	0.590789	-0.634247	9.25776	9.40169	-1.10491
1	hcs001c09	1622	DBI	0.47818	-0.865083	10.4854	10.3942	1.06523
3	hcs001c09	1622	DBI	0.235159	1.67901	11.1451	10.3443	1.74203

5	hcs001c09	1622	DBI	0.0257599	6.10954	11.3052	10.3106	1.99248
7	hcs001c09	1622	DBI	0.0359554	5.13044	11.0112	10.2954	1.64239
1	hcs001c11	10959	TMED2	0.178058	2.04083	10.6911	10.9824	0.817165
3	hcs001c11	10959	TMED2	0.63019	0.562896	10.8839	10.7072	1.1303
5	hcs001c11	10959	TMED2	0.145399	2.32741	11.3625	10.9798	1.30378
7	hcs001c11	10959	TMED2	0.936381	-0.090153	10.8684	10.8944	-1.01816
1	hcs001c12	23646	PLD3	0.0608591	3.86615	9.89059	10.2059	0.803662
3	hcs001c12	23646	PLD3	0.793329	-0.298726	10.1904	10.2716	-1.05789
5	hcs001c12	23646	PLD3	0.510845	0.793135	10.2843	10.094	1.14101
7	hcs001c12	23646	PLD3	0.99216	0.0110873	10.0441	10.0433	1.0005
1	hcs001d01	23558	WBP2	0.371692	1.14216	11.2819	11.6485	0.775626
3	hcs001d01	23558	WBP2	0.0590739	3.92978	11.8515	11.5141	1.26348
5	hcs001d01	23558	WBP2	0.29326	1.41275	12.0309	11.5861	1.36113
7	hcs001d01	23558	WBP2	0.171491	2.09239	11.7575	11.4242	1.25989
1	hcs001d04	23020	SNRNP200	0.602964	0.611779	9.9186	10.006	0.941192
3	hcs001d04	23020	SNRNP200	0.682964	0.472745	10.3341	10.2742	1.04239
5	hcs001d04	23020	SNRNP200	0.220802	1.75812	10.3742	9.68259	1.6151
7	hcs001d04	23020	SNRNP200	0.902405	0.138682	9.75408	9.73688	1.012
1	hcs001d06	373156	GSTK1	0.0289447	5.74943	9.70299	9.83978	0.909541
3	hcs001d06	373156	GSTK1	0.381789	1.1123	10.7329	10.4144	1.24702
5	hcs001d06	373156	GSTK1	0.101653	2.89209	10.3535	10.0793	1.20931
7	hcs001d06	373156	GSTK1	0.698252	-0.4476	9.71742	9.78954	-1.05126
1	hcs001d07	50	ACO2	0.316422	1.3245	9.9192	10.104	0.879749
3	hcs001d07	50	ACO2	0.422132	1.00135	10.7175	10.5508	1.12249
5	hcs001d07	50	ACO2	0.107329	2.80098	10.4589	9.97299	1.40044
7	hcs001d07	50	ACO2	0.165164	2.14467	9.86764	9.61557	1.19091
1	hcs001d08	79921	TCEAL4	0.470831	0.881961	9.62078	10.0315	0.752272
3	hcs001d08	79921	TCEAL4	0.533395	-0.746076	10.3911	10.6445	-1.192
5	hcs001d08	79921	TCEAL4	0.0752219	3.43708	10.4274	10.0477	1.30105
7	hcs001d08	79921	TCEAL4	0.906966	-0.132143	9.99322	10.0368	-1.03068
1	hcs001d09	347	APOD	0.656206	0.517758	9.66264	9.76381	0.932275
3	hcs001d09	347	APOD	0.353002	-1.2	10.0543	10.2248	-1.12548
5	hcs001d09	347	APOD	0.431308	0.977753	9.666	9.46685	1.14802
1	hcs001d10	81618	ITM2C	0.34301	1.23242	10.0853	10.319	0.850477
3	hcs001d10	81618	ITM2C	0.678598	-0.479998	10.3745	10.5452	-1.12557
5	hcs001d10	81618	ITM2C	0.16331	2.16051	10.6071	10.2246	1.3036
7	hcs001d10	81618	ITM2C	0.128243	2.51634	10.3554	9.93551	1.33779
1	hcs001d12	493	ATP2B4	0.327568	1.28481	9.7763	9.98397	0.865935
3	hcs001d12	493	ATP2B4	0.706316	0.434492	10.2691	10.1235	1.10613
5	hcs001d12	493	ATP2B4	0.0667883	3.67287	10.6405	10.1017	1.45276
7	hcs001d12	493	ATP2B4	0.257228	1.56888	9.96059	9.71895	1.18234
1	hcs001e02	22908	SACM1L	0.167973	2.12113	10.9842	11.2992	0.80387
3	hcs001e02	22908	SACM1L	0.49531	0.826756	11.0407	10.8097	1.17368
5	hcs001e02	22908	SACM1L	0.0977659	2.95875	11.3681	11.1005	1.20383
7	hcs001e02	22908	SACM1L	0.43442	-0.969875	10.8133	10.9739	-1.1178
1	hcs001e03	149832	LOC149832	0.261319	1.5498	9.37191	9.76852	0.759639
3	hcs001e03	149832	LOC149832	0.147228	-2.30909	9.81272	9.99963	-1.13833

5	hcs001e03	149832	LOC1498320.199656	1.88787	9.93264	9.6597	1.20827	
7	hcs001e03	149832	LOC1498320.360891	1.17516	9.7019	9.53016	1.12642	
1	hcs001e04	5730	PTGDS	0.137826	2.40677	11.7401	11.9729	0.850962
3	hcs001e04	5730	PTGDS	0.209423	1.82579	11.9245	11.803	1.08784
5	hcs001e04	5730	PTGDS	0.30439	1.36931	12.1631	11.9674	1.14523
7	hcs001e04	5730	PTGDS	0.164795	2.1478	11.7135	11.3935	1.2483
5	hcs001e05	266727	MDGA1	0.95684	-0.061095	9.73581	9.7461	-1.00716
7	hcs001e05	266727	MDGA1	0.0807852	-3.30145	9.36194	9.55224	-1.141
1	hcs001e09	6194	RPS6	0.894944	0.149398	13.7126	13.7308	0.987487
3	hcs001e09	6194	RPS6	0.992948	-0.0099728	13.5513	13.5522	-1.00065
5	hcs001e09	6194	RPS6	0.283382	-1.45305	13.7589	13.8482	-1.06385
7	hcs001e09	6194	RPS6	0.294485	-1.40787	13.3402	13.7966	-1.37208
1	hcs001e10	6122	RPL3	0.624054	0.573758	13.1298	13.2279	0.934241
3	hcs001e10	6122	RPL3	0.793218	0.298894	12.9581	12.9244	1.02361
5	hcs001e10	6122	RPL3	0.516515	-0.781115	13.1914	13.3058	-1.0825
7	hcs001e10	6122	RPL3	0.425715	-0.992068	12.8414	13.1469	-1.23588
1	hcs001e11	9528	TMEM59	0.95233	-0.0674922	10.0004	9.98517	1.01061
3	hcs001e11	9528	TMEM59	0.597642	0.621553	10.2318	10.132	1.07165
5	hcs001e11	9528	TMEM59	0.0347943	5.22008	10.7304	10.1899	1.45441
7	hcs001e11	9528	TMEM59	0.4766	0.868689	10.1615	9.91286	1.18812
1	hcs001e12	1973	EIF4A1	0.668727	-0.496528	11.6722	11.6287	1.03061
3	hcs001e12	1973	EIF4A1	0.560416	0.692122	11.6566	11.5364	1.08689
5	hcs001e12	1973	EIF4A1	0.216137	1.7853	11.7814	11.6415	1.1018
7	hcs001e12	1973	EIF4A1	0.276378	-1.4827	10.9444	11.3956	-1.36721
1	hcs001f01	6142	RPL18A	0.327503	-1.28503	13.5219	13.3457	1.12988
3	hcs001f01	6142	RPL18A	0.311586	1.34226	13.3153	13.2243	1.06511
5	hcs001f01	6142	RPL18A	0.0447677	-4.56607	13.4302	13.5942	-1.12039
7	hcs001f01	6142	RPL18A	0.416147	-1.01704	13.2692	13.4067	-1.1
1	hcs001f02	7086	TKT	0.609909	0.599138	12.4267	12.6422	0.861267
3	hcs001f02	7086	TKT	0.300323	1.38495	12.7118	12.3371	1.29651
5	hcs001f02	7086	TKT	0.412364	1.02709	13.0806	12.7334	1.27212
7	hcs001f02	7086	TKT	0.152054	2.26224	13.0053	12.6711	1.26071
5	hcs001f04	8310	ACOX3	0.530136	-0.752757	9.41052	9.79661	-1.30685
1	hcs001f06	4869	NPM1	0.924002	-0.107789	12.5652	12.5349	1.02122
3	hcs001f06	4869	NPM1	0.647707	-0.532347	12.2732	12.3938	-1.08719
5	hcs001f06	4869	NPM1	0.960494	-0.0559139	12.5777	12.5952	-1.01218
7	hcs001f06	4869	NPM1	0.211889	-1.81072	11.723	12.5047	-1.71912
1	hcs001f07	3628	INPP1	0.265272	-1.53172	9.96004	9.17385	1.72451
3	hcs001f07	3628	INPP1	0.968593	-0.0444379	10.0119	10.0251	-1.00916
5	hcs001f07	3628	INPP1	0.339818	1.24302	10.0397	9.33951	1.62475
7	hcs001f07	3628	INPP1	0.127789	-2.52181	9.53242	9.68369	-1.11055
1	hcs001f08	4035	LRP1	0.120527	2.61323	10.9705	11.8042	0.561088
3	hcs001f08	4035	LRP1	0.518092	0.777795	11.8191	11.6196	1.14833
5	hcs001f08	4035	LRP1	0.271142	1.5055	12.1922	11.7869	1.32436
7	hcs001f08	4035	LRP1	0.0232217	6.4474	11.9342	11.639	1.22708
1	hcs001f09	23250	ATP11A	0.708706	0.430627	9.37929	9.52577	0.903454
3	hcs001f09	23250	ATP11A	0.965942	-0.0481927	9.74549	9.75535	-1.00686



5	hcs001f09	23250	ATP11A	0.318246	1.31789	9.65175	9.25623	1.31541
1	hcs001f10	10398	MYL9	0.15323	2.25114	10.6058	11.3604	0.592724
3	hcs001f10	10398	MYL9	0.200655	1.88134	11.846	11.2159	1.54764
5	hcs001f10	10398	MYL9	0.178661	2.03623	12.2641	11.3731	1.85442
7	hcs001f10	10398	MYL9	0.0420179	4.72336	12.0697	11.1343	1.91238
1	hcs001f11	7791	ZYX	0.634078	0.556057	11.5679	11.6569	0.940152
3	hcs001f11	7791	ZYX	0.302501	1.37654	11.8354	11.5003	1.26149
5	hcs001f11	7791	ZYX	0.309145	1.35135	11.9863	11.7229	1.20036
7	hcs001f11	7791	ZYX	0.806585	-0.278794	11.3244	11.355	-1.02139
1	hcs001f12			0.507503	0.800281	10.8807	11.0257	0.904359
3	hcs001f12			0.769164	0.335512	10.9647	10.8626	1.07329
5	hcs001f12			0.12526	2.55281	11.4261	11.1098	1.24516
7	hcs001f12			0.0583902	3.9549	10.8341	10.6087	1.16907
1	hcs001g03	84152	PPP1R1B	0.0910121	3.08405	10.159	10.9459	0.579602
3	hcs001g03	84152	PPP1R1B	0.561958	-0.689117	10.4842	10.6936	-1.15626
5	hcs001g03	84152	PPP1R1B	0.41281	1.0259	11.0175	10.7096	1.23788
7	hcs001g03	84152	PPP1R1B	0.272664	1.49882	10.7933	10.539	1.19278
1	hcs001g04	6191	RPS4X	0.627232	-0.568121	13.8677	13.8419	1.01802
3	hcs001g04	6191	RPS4X	0.945948	-0.0765533	13.3653	13.3783	-1.00905
5	hcs001g04	6191	RPS4X	0.877508	0.174544	13.8978	13.8768	1.01466
7	hcs001g04	6191	RPS4X	0.279644	-1.46876	13.5485	13.9721	-1.34127
1	hcs001g05	5817	PVR	0.0427448	4.68034	10.285	10.7133	0.743137
3	hcs001g05	5817	PVR	0.292119	-1.41731	10.6033	10.9788	-1.29723
5	hcs001g05	5817	PVR	0.674438	-0.486942	10.7571	10.8718	-1.08277
7	hcs001g05	5817	PVR	0.339669	-1.24352	10.1714	10.6628	-1.40574
1	hcs001g06	6146	RPL22	0.636188	0.55236	10.3498	10.5336	0.880361
3	hcs001g06	6146	RPL22	0.186171	1.98058	10.8592	10.6961	1.11974
5	hcs001g06	6146	RPL22	0.4475	0.937421	11.0332	10.7974	1.17759
7	hcs001g06	6146	RPL22	0.650177	-0.528092	10.2649	10.4826	-1.16292
1	hcs001g07	10318	TNIP1	0.199044	1.8919	10.8536	11.7936	0.521245
3	hcs001g07	10318	TNIP1	0.595058	-0.626324	11.4	11.5825	-1.13482
5	hcs001g07	10318	TNIP1	0.550606	0.711424	11.8319	11.6355	1.14586
7	hcs001g07	10318	TNIP1	0.198482	1.89561	12.0761	11.567	1.4232
1	hcs001g08	25943	C20orf194	0.435892	-0.966171	9.59059	9.46777	1.08886
3	hcs001g08	25943	C20orf194	0.819951	-0.258859	9.8121	9.87102	-1.04168
5	hcs001g08	25943	C20orf194	0.199115	1.89143	9.8938	9.59798	1.22758
7	hcs001g08	25943	C20orf194	0.0002191	67.5408	9.33163	9.06373	1.20405
1	hcs001g09	2778	GNAS	0.0812299	3.29119	11.5218	12.5023	0.506792
3	hcs001g09	2778	GNAS	0.714023	0.422059	12.3003	12.2361	1.04551
5	hcs001g09	2778	GNAS	0.309727	1.34917	12.521	12.3025	1.1635
7	hcs001g09	2778	GNAS	0.113594	2.70802	12.7493	12.2851	1.37955
1	hcs001g12	1317	SLC31A1	0.258288	-1.56391	9.65607	9.37622	1.21407
5	hcs001g12	1317	SLC31A1	0.909298	-0.128803	9.12539	9.14915	-1.0166
1	hcs001h01	10236	HNRNPR	0.584023	-0.646906	11.0432	10.9894	1.03797
3	hcs001h01	10236	HNRNPR	0.577705	0.658844	11.1741	11.004	1.12519
5	hcs001h01	10236	HNRNPR	0.364812	1.16305	11.2679	11.0068	1.19839
7	hcs001h01	10236	HNRNPR	0.432798	-0.973975	10.501	10.7923	-1.2237

1	hcs001h02	1979	EIF4EBP2	0.256324	-1.57315	9.82455	9.10694	1.64446
3	hcs001h02	1979	EIF4EBP2	0.414335	1.02184	9.81768	9.61851	1.14804
5	hcs001h02	1979	EIF4EBP2	0.0662719	3.6887	9.67105	9.12625	1.45882
7	hcs001h02	1979	EIF4EBP2	0.689794	0.461462	9.56616	9.48747	1.05606
1	hcs001h04	6188	RPS3	0.0281727	-5.83117	13.5454	13.3724	1.1274
3	hcs001h04	6188	RPS3	0.266508	1.52614	13.4799	13.3799	1.07177
5	hcs001h04	6188	RPS3	0.999357	0.0009093	13.4927	13.4925	1.00014
7	hcs001h04	6188	RPS3	0.417654	-1.01306	13.2035	13.4787	-1.21019
1	hcs001h05	3631	INPP4A	0.0662236	3.69019	11.3007	11.4682	0.890364
3	hcs001h05	3631	INPP4A	0.944592	0.0784792	11.3157	11.3035	1.00852
5	hcs001h05	3631	INPP4A	0.612052	0.595262	11.4869	11.3599	1.092
7	hcs001h05	3631	INPP4A	0.411418	-1.02962	10.9835	11.2651	-1.21557
1	hcs001h06	7078	TIMP3	0.134214	2.44678	12.2398	12.828	0.665157
3	hcs001h06	7078	TIMP3	0.957194	0.060592	12.7838	12.7581	1.018
5	hcs001h06	7078	TIMP3	0.355453	1.19222	13.0401	12.6939	1.27124
7	hcs001h06	7078	TIMP3	0.413107	1.02511	13.1347	12.8474	1.2203
1	hcs001h07	207	AKT1	0.301528	-1.38029	10.7286	10.5828	1.10634
3	hcs001h07	207	AKT1	0.677201	0.482327	10.9508	10.8414	1.07883
5	hcs001h07	207	AKT1	0.108278	2.78641	11.0305	10.4229	1.52373
7	hcs001h07	207	AKT1	0.0505847	4.27572	10.2905	10.1403	1.10975
3	hcs001h08	477	ATP1A2	0.0998198	-2.92307	9.86744	9.91638	-1.0345
5	hcs001h08	477	ATP1A2	0.271761	1.50277	10.0163	9.58275	1.35055
1	hcs001h10	3836	KPNA1	0.487559	0.84393	10.0187	10.1175	0.933825
3	hcs001h10	3836	KPNA1	0.940804	0.0838626	10.4655	10.4295	1.02524
5	hcs001h10	3836	KPNA1	0.104085	2.85219	10.517	10.0281	1.40339
7	hcs001h10	3836	KPNA1	0.885271	0.163329	9.96732	9.89904	1.04846
1	hcs001h12	3106	HLA-B	0.284254	1.44942	13.0099	13.3935	0.766505
3	hcs001h12	3106	HLA-B	0.836183	-0.234845	13.1137	13.1316	-1.01246
5	hcs001h12	3106	HLA-B	0.889638	0.157035	13.63	13.5727	1.04052
7	hcs001h12	3106	HLA-B	0.34792	-1.21636	13.0769	13.3739	-1.22856
1	hcs002a01	7178	TPT1	0.555983	-0.700805	13.8647	13.7226	1.10354
3	hcs002a01	7178	TPT1	0.608658	0.601406	13.4448	13.3194	1.09086
5	hcs002a01	7178	TPT1	0.026423	6.0293	14.2152	13.8456	1.29193
7	hcs002a01	7178	TPT1	0.586704	0.641874	13.7444	13.5154	1.17202
1	hcs002a04	63891	RNF123	0.319557	1.31317	10.1958	10.3944	0.871376
3	hcs002a04	63891	RNF123	0.831655	-0.241523	10.5259	10.5934	-1.04792
5	hcs002a04	63891	RNF123	0.170004	2.10444	10.7576	10.2681	1.40399
7	hcs002a04	63891	RNF123	0.528795	0.755518	10.4121	10.3311	1.05772
1	hcs002a05	116447	TOP1MT	0.754091	0.358785	10.1036	10.1446	0.972008
3	hcs002a05	116447	TOP1MT	0.77708	0.323395	10.3481	10.1937	1.11301
5	hcs002a05	116447	TOP1MT	0.266988	1.52398	10.4903	9.86774	1.53961
7	hcs002a05	116447	TOP1MT	0.760693	-0.348559	10.2957	10.3583	-1.04438
1	hcs002a06	11100	HNRNPUL1	0.57962	-0.655215	11.571	11.4899	1.05782
3	hcs002a06	11100	HNRNPUL1	0.426901	0.989014	11.6535	11.3839	1.20547
5	hcs002a06	11100	HNRNPUL1	0.0449753	4.55477	11.848	11.353	1.40929
7	hcs002a06	11100	HNRNPUL1	0.805996	0.279677	11.498	11.48	1.01258
1	hcs002a07	56999	ADAMTS9	0.32486	1.2943	9.10098	9.60788	0.703733

3	hcs002a07	56999	ADAMTS9	0.872796	-0.181367	9.8536	9.90681	-1.03757
5	hcs002a07	56999	ADAMTS9	0.270632	1.50775	9.69785	9.22976	1.38327
7	hcs002a07	56999	ADAMTS9	0.283769	-1.45143	9.24769	9.65218	-1.32362
1	hcs002a09	3837	KPNB1	0.0388846	-4.9221	12.3385	11.919	1.33743
3	hcs002a09	3837	KPNB1	0.499885	0.816747	11.835	11.4656	1.29179
5	hcs002a09	3837	KPNB1	0.279511	1.46932	12.3071	12.0744	1.17503
7	hcs002a09	3837	KPNB1	0.209483	-1.82542	11.5797	11.9345	-1.27887
1	hcs002a10	1453	CSNK1D	0.306525	1.36121	10.0037	10.4187	0.750037
3	hcs002a10	1453	CSNK1D	0.981934	0.0255537	10.3211	10.309	1.00842
5	hcs002a10	1453	CSNK1D	0.149561	2.28619	10.6983	10.3265	1.294
7	hcs002a10	1453	CSNK1D	0.12962	2.4999	10.4081	10.3184	1.06412
1	hcs002a12	6125	RPL5	0.597036	0.62267	12.9536	13.0456	0.9382
3	hcs002a12	6125	RPL5	0.406641	-1.04249	12.8852	13.1007	-1.16111
5	hcs002a12	6125	RPL5	0.826353	0.249362	13.1615	13.1305	1.0217
7	hcs002a12	6125	RPL5	0.354498	-1.19525	12.6889	13.1079	-1.33703
1	hcs002b01	529	ATP6V1E1	0.422431	-1.00057	11.0089	10.8519	1.11497
3	hcs002b01	529	ATP6V1E1	0.183405	2.00073	11.2532	10.7561	1.41134
5	hcs002b01	529	ATP6V1E1	0.0363102	5.10389	11.8335	10.7337	2.14335
7	hcs002b01	529	ATP6V1E1	0.370836	1.14474	11.3195	10.7681	1.46547
1	hcs002b02	5757	PTMA	0.549876	-0.712873	9.95277	9.66284	1.22258
3	hcs002b04	?	?	0.115936	-2.67512	9.90214	10.0386	-1.09923
5	hcs002b04	?	?	0.327113	1.2864	9.87457	9.69614	1.13165
1	hcs002b05	5098	PCDHGC3	0.22362	-1.74207	10.3281	9.77456	1.46768
3	hcs002b05	5098	PCDHGC3	0.950447	-0.0701645	10.1947	10.2019	-1.00507
5	hcs002b05	5098	PCDHGC3	0.193515	1.92902	10.2549	9.75308	1.41605
7	hcs002b05	5098	PCDHGC3	0.939379	-0.0858889	9.71827	9.75784	-1.02781
1	hcs002b07	57146	TMEM159	0.991771	0.0116377	9.674	9.68411	0.993019
3	hcs002b07	57146	TMEM159	0.231765	-1.69713	9.92489	10.4051	-1.39497
5	hcs002b07	57146	TMEM159	0.442461	0.949802	10.0416	9.49649	1.45918
7	hcs002b07	57146	TMEM159	0.524955	-0.763459	9.81213	9.91853	-1.07654
1	hcs002b08	166	AES	0.370895	-1.14456	10.2251	9.87912	1.27101
3	hcs002b08	166	AES	0.6636	-0.505184	9.93038	10.2161	-1.21898
5	hcs002b08	166	AES	0.152401	2.25896	10.1707	9.49669	1.59551
7	hcs002b08	166	AES	0.182013	2.01101	9.96245	9.64552	1.24568
3	hcs002b10	80700	UBXN6	0.599366	-0.618379	9.52242	9.84836	-1.25349
5	hcs002b10	80700	UBXN6	0.144075	2.34087	9.92659	9.50936	1.33536
7	hcs002b10	80700	UBXN6	0.394251	1.07667	9.31829	9.1084	1.1566
1	hcs002b11	3482	IGF2R	0.125709	-2.54724	10.281	10.2132	1.04813
3	hcs002b11	3482	IGF2R	0.890275	0.156118	10.4398	10.3714	1.04853
5	hcs002b11	3482	IGF2R	0.120498	2.6136	10.8564	10.2009	1.57513
7	hcs002b11	3482	IGF2R	0.181304	2.0163	10.6282	10.0001	1.54556
1	hcs002b12	29927	SEC61A1	0.0495452	-4.32392	10.2131	10.1155	1.06997
3	hcs002b12	29927	SEC61A1	0.841698	0.226732	10.2383	10.1481	1.06452
5	hcs002b12	29927	SEC61A1	0.297766	1.39492	10.507	10.2323	1.20977
7	hcs002b12	29927	SEC61A1	0.63028	0.562737	9.98959	9.91153	1.0556
5	hcs002c01	2597	GAPDH	0.73554	-0.38781	15.194	15.2445	-1.0356
1	hcs002c02	7869	SEMA3B	0.285213	1.44545	12.8468	13.2518	0.755237

5	hcs002c02	7869	SEMA3B	0.874797	-0.178467	13.1915	13.2454	-1.03804
7	hcs002c02	7869	SEMA3B	0.0231364	-6.45971	12.4483	12.949	-1.4149
1	hcs002c03	5037	PEBP1	0.165696	2.14017	10.6792	11.1926	0.700586
3	hcs002c03	5037	PEBP1	0.164216	2.15274	11.2668	10.7237	1.4571
5	hcs002c03	5037	PEBP1	0.474127	0.874357	10.7946	10.7154	1.05643
7	hcs002c03	5037	PEBP1	0.351646	-1.20434	10.4817	10.6772	-1.14517
1	hcs002c06	51699	VPS29	0.24872	-1.60984	9.66265	9.13699	1.43959
5	hcs002c06	51699	VPS29	0.764498	0.342688	9.5433	9.42623	1.08453
7	hcs002c06	51699	VPS29	0.47189	-0.879511	9.29597	9.43113	-1.09821
1	hcs002c08	7419	VDAC3	0.596076	-0.624441	10.5848	10.4441	1.10241
3	hcs002c08	7419	VDAC3	0.815702	0.265179	10.7601	10.6472	1.0814
5	hcs002c08	7419	VDAC3	0.194025	1.92553	10.5492	10.2276	1.24976
7	hcs002c08	7419	VDAC3	0.0403517	-4.82622	10.1883	10.5056	-1.24594
5	hcs002c10			0.594219	0.627876	9.1642	9.05181	1.08102
7	hcs002c10			0.188098	-1.9668	9.15258	9.58334	-1.34794
1	hcs002c12	10395	DLC1	0.213938	1.79837	9.71361	9.91977	0.866841
3	hcs002c12	10395	DLC1	0.128799	-2.50967	9.92504	10.4194	-1.40871
5	hcs002c12	10395	DLC1	0.785975	0.309857	9.9348	9.82706	1.07754
7	hcs002c12	10395	DLC1	0.217505	-1.77725	9.46411	9.68488	-1.16536
1	hcs002d01			0.239288	1.65741	10.0495	10.4827	0.740617
3	hcs002d01			0.452962	-0.924169	10.113	10.4376	-1.25235
5	hcs002d01			0.30027	1.38516	10.6785	10.1111	1.48179
7	hcs002d01			0.67082	-0.493008	10.3164	10.4479	-1.09546
1	hcs002d04	25987	TSKU	0.423058	0.99894	10.0652	10.297	0.851544
3	hcs002d04	25987	TSKU	0.593805	0.628644	10.5969	10.4124	1.13644
5	hcs002d04	25987	TSKU	0.139548	2.3882	10.7429	10.2509	1.40641
7	hcs002d04	25987	TSKU	0.621139	-0.578949	10.2091	10.4388	-1.17263
1	hcs002d05			0.14063	-2.3767	10.4859	10.3102	1.12954
3	hcs002d05			0.887156	0.160611	10.3692	10.3072	1.04389
5	hcs002d05			0.114369	2.69702	10.7059	10.0102	1.6197
7	hcs002d05			0.70745	0.432656	10.3602	10.2946	1.04654
1	hcs002d06	?	?	0.814943	0.266309	11.4144	11.4667	0.96442
3	hcs002d06	?	?	0.98676	-0.018726	11.6509	11.6529	-1.00134
5	hcs002d06	?	?	0.976743	0.0328993	11.492	11.4862	1.00398
7	hcs002d06	?	?	0.254436	-1.58213	10.7681	11.2093	-1.35773
5	hcs002d07	?	?	0.267752	1.52056	9.55866	9.24038	1.24684
1	hcs002d08	6895	TARBP2	0.0958083	-2.99377	9.94229	8.83236	2.15835
3	hcs002d08	6895	TARBP2	0.602916	-0.611868	9.68269	9.8313	-1.10851
5	hcs002d08	6895	TARBP2	0.319368	1.31385	9.76907	9.0952	1.59535
7	hcs002d08	6895	TARBP2	0.444853	-0.943908	9.17543	9.58655	-1.32971
1	hcs002d09	7041	TGFB111	0.512219	-0.79021	9.79437	9.54046	1.19243
3	hcs002d09	7041	TGFB111	0.231373	1.69925	9.82471	9.58165	1.1835
5	hcs002d09	7041	TGFB111	0.475643	0.87088	9.78718	9.43042	1.28054
7	hcs002d09	7041	TGFB111	0.0347499	-5.22359	8.92332	9.72969	-1.7488
1	hcs002d11	26121	PRPF31	0.129998	2.49543	11.4533	12.2523	0.574761
3	hcs002d11	26121	PRPF31	0.881174	-0.169244	11.8506	11.9049	-1.03838
5	hcs002d11	26121	PRPF31	0.629871	0.563458	12.2456	12.166	1.05675

7	hcs002d11	26121	PRPF31	0.501233	-0.813816	11.7892	12.1337	-1.26971
1	hcs002d12	6520	SLC3A2	0.189237	1.95873	10.8095	10.9885	0.883336
3	hcs002d12	6520	SLC3A2	0.941522	-0.0828422	10.818	10.8619	-1.03087
5	hcs002d12	6520	SLC3A2	0.490093	0.838285	11.2465	11.026	1.16514
7	hcs002d12	6520	SLC3A2	0.670241	-0.49398	10.6745	10.8675	-1.14314
1	hcs002e03	3106	HLA-B	0.0908605	3.08702	10.9961	11.7037	0.612324
3	hcs002e03	3106	HLA-B	0.249865	-1.60423	11.3303	11.5082	-1.13126
5	hcs002e03	3106	HLA-B	0.62842	0.56602	11.8893	11.6575	1.17435
7	hcs002e03	3106	HLA-B	0.389022	-1.09146	11.0829	11.2835	-1.14915
5	hcs002e04	8493	PPM1D	0.1444	2.33755	9.75896	9.03486	1.65187
7	hcs002e04	8493	PPM1D	0.47285	0.877297	9.50743	9.37112	1.09909
1	hcs002e08	26580	BSCL2	0.955233	0.0633743	9.67099	9.69577	0.982968
3	hcs002e08	26580	BSCL2	0.492687	-0.832538	10.0975	10.3764	-1.21325
5	hcs002e08	26580	BSCL2	0.300817	1.38304	10.3256	9.82021	1.41954
7	hcs002e08	26580	BSCL2	0.198727	1.89399	10.135	9.79956	1.26172
1	hcs002e09	57467	HHATL	0.668638	-0.496677	9.63272	9.4003	1.1748
3	hcs002e09	57467	HHATL	0.172747	-2.08233	9.49578	10.212	-1.6429
7	hcs002e09	57467	HHATL	0.139285	-2.39102	9.26095	9.81094	-1.46407
1	hcs002e12			0.909913	-0.127922	13.1212	13.0957	1.01781
3	hcs002e12			0.533314	-0.746243	12.7186	12.8596	-1.10269
5	hcs002e12			0.507704	-0.799851	13.1649	13.2669	-1.07326
7	hcs002e12			0.405959	-1.04434	12.5096	13.0293	-1.43362
1	hcs002f01	8663	EIF3C	0.3409	-1.23941	10.894	10.7024	1.142
3	hcs002f01	8663	EIF3C	0.436798	0.963898	10.9853	10.6836	1.23265
5	hcs002f01	8663	EIF3C	0.24829	1.61196	11.0899	10.7158	1.29603
7	hcs002f01	8663	EIF3C	0.288393	1.43239	10.6336	10.4262	1.15463
1	hcs002f02	23741	EID1	0.928732	0.101044	10.0545	10.0795	0.982787
3	hcs002f02	23741	EID1	0.553602	0.705496	10.6803	10.4539	1.16993
5	hcs002f02	23741	EID1	0.992456	0.0106688	10.4505	10.4446	1.0041
1	hcs002f05			0.654535	0.520615	9.85069	10.0442	0.874463
3	hcs002f05			0.76991	0.334368	10.4453	10.3764	1.04892
5	hcs002f05			0.266167	1.52768	10.2445	9.8583	1.30697
7	hcs002f05			0.574421	0.665096	9.98756	9.88357	1.07474
1	hcs002f07			0.497326	-0.822334	9.68345	9.47499	1.15545
3	hcs002f07			0.251793	-1.59485	9.67594	10.2598	-1.49887
5	hcs002f07			0.469131	0.885903	9.99178	9.53359	1.37381
7	hcs002f07			0.242969	-1.63857	9.54681	9.73185	-1.13685
1	hcs002f08	10992	SF3B2	0.490439	0.837516	11.452	11.5898	0.908904
3	hcs002f08	10992	SF3B2	0.92715	-0.103299	11.3769	11.4057	-1.02012
5	hcs002f08	10992	SF3B2	0.056351	4.03242	11.7755	11.53	1.1855
7	hcs002f08	10992	SF3B2	0.994729	-0.0074544	11.4859	11.4872	-1.00088
3	hcs002f09	?	?	0.464083	0.8977	9.9336	9.67663	1.19496
5	hcs002f09	?	?	0.429234	0.983039	9.31378	9.05907	1.1931
7	hcs002f09	?	?	0.436469	-0.964723	9.35715	9.63463	-1.21208
1	hcs002f12	23521	RPL13A	0.368001	-1.15331	14.0734	13.8797	1.14367
3	hcs002f12	23521	RPL13A	0.254609	1.58131	13.9959	13.9167	1.05643
5	hcs002f12	23521	RPL13A	0.591072	-0.633719	14.0115	14.0911	-1.05673

7	hcs002f12	23521	RPL13A	0.522717	-0.768114	13.61	13.8568	-1.18657
1	hcs002g01	81671	TMEM49	0.728824	-0.398431	10.381	10.1928	1.13932
3	hcs002g01	81671	TMEM49	0.707638	-0.432353	10.01	10.1899	-1.13282
5	hcs002g01	81671	TMEM49	0.274831	1.48938	10.7496	10.3263	1.34103
1	hcs002g02	5476	CTSA	0.468069	0.888374	10.4054	10.6798	0.826794
3	hcs002g02	5476	CTSA	0.814007	-0.267705	10.4025	10.4848	-1.0587
5	hcs002g02	5476	CTSA	0.0848451	3.21066	10.8544	10.2849	1.48397
7	hcs002g02	5476	CTSA	0.926627	-0.104046	10.0229	10.0246	-1.00121
1	hcs002g03	3925	STMN1	0.0964065	-2.98296	12.3088	11.8387	1.38521
3	hcs002g03	3925	STMN1	0.461705	-0.903302	11.4182	11.5687	-1.10998
5	hcs002g03	3925	STMN1	0.887759	-0.159743	11.8234	11.862	-1.02714
7	hcs002g03	3925	STMN1	0.0125779	-8.8322	11.0409	11.8575	-1.76125
1	hcs002g04	9997	SCO2	0.336004	-1.25584	9.9702	9.15713	1.75694
3	hcs002g04	9997	SCO2	0.298572	-1.39177	9.39073	9.85299	-1.37769
5	hcs002g04	9997	SCO2	0.91022	0.127484	9.26759	9.23655	1.02175
7	hcs002g04	9997	SCO2	0.259445	-1.5585	9.07575	9.64396	-1.48269
1	hcs002g05	57407	NMRAL1	0.617312	0.585795	9.69665	9.79575	0.933613
3	hcs002g05	57407	NMRAL1	0.350432	-1.20824	10.0803	10.3389	-1.19627
5	hcs002g05	57407	NMRAL1	0.398234	1.06555	10.1281	9.96323	1.12109
7	hcs002g05	57407	NMRAL1	0.585976	-0.643238	9.88569	9.94214	-1.03991
1	hcs002g06	2495	FTH1	0.440666	-0.954248	14.4866	14.2257	1.19823
3	hcs002g06	2495	FTH1	0.221357	1.75494	14.4977	13.8847	1.5294
5	hcs002g06	2495	FTH1	0.181619	2.01394	14.7311	14.1971	1.4479
7	hcs002g06	2495	FTH1	0.378288	1.12255	14.5261	14.0445	1.39626
1	hcs002g08			0.150787	2.27434	9.24945	9.47959	0.85255
3	hcs002g08			0.20992	-1.82274	9.44213	9.88269	-1.35713
5	hcs002g08			0.211567	1.81267	9.7324	9.41976	1.24197
7	hcs002g08			0.0957727	-2.99442	9.30534	9.57157	-1.20266
3	hcs002g09	972	CD74	0.120706	-2.61088	9.46507	9.92055	-1.37124
5	hcs002g09	972	CD74	0.944525	-0.0785749	9.21333	9.23245	-1.01334
7	hcs002g09	972	CD74	0.63694	-0.551045	9.27214	9.38047	-1.07798
5	hcs002g10	?	?	0.991443	-0.0121023	9.1064	9.11042	-1.00279
7	hcs002g10	?	?	0.405002	-1.04694	9.25158	9.35739	-1.0761
1	hcs002g11	7812	CSDE1	0.351559	1.20462	11.7404	12.1251	0.765956
3	hcs002g11	7812	CSDE1	0.804904	0.281312	12.017	11.9586	1.04133
5	hcs002g11	7812	CSDE1	0.0634941	3.77702	12.2043	11.9688	1.17737
7	hcs002g11	7812	CSDE1	0.671272	-0.492249	11.8577	12.1186	-1.1982
1	hcs002g12	57226	LYRM2	0.795899	-0.294849	9.49689	9.41228	1.0604
1	hcs002h01	83939	EIF2A	0.311597	1.34222	9.71616	10.0814	0.776315
3	hcs002h01	83939	EIF2A	0.185477	1.9856	10.5065	10.2694	1.17862
5	hcs002h01	83939	EIF2A	0.351833	1.20374	10.4476	10.2782	1.12464
7	hcs002h01	83939	EIF2A	0.865111	-0.192521	9.84362	9.94975	-1.07634
1	hcs002h02	285704	RGMB	0.0989972	2.93723	9.8568	10.1823	0.798035
3	hcs002h02	285704	RGMB	0.625476	0.571233	10.5357	10.4151	1.08721
5	hcs002h02	285704	RGMB	0.010222	9.81484	10.8018	10.2854	1.43044
7	hcs002h02	285704	RGMB	0.626325	0.569727	10.0026	9.85904	1.10462
1	hcs002h04	116228	FAM36A	0.537245	0.738235	9.72082	9.87588	0.898093

3	hcs002h04	116228	FAM36A	0.851868	-0.211828	10.571	10.6142	-1.03038
5	hcs002h04	116228	FAM36A	0.0141784	8.30863	10.4896	9.97966	1.42399
7	hcs002h04	116228	FAM36A	0.424585	-0.994985	9.87426	9.93457	-1.04268
3	hcs002h06	?	?	0.970902	0.0411677	9.92693	9.92054	1.00444
5	hcs002h06	?	?	0.123471	-2.57526	9.00217	9.30239	-1.23134
7	hcs002h06	?	?	0.783824	-0.313122	9.08328	9.24533	-1.11888
1	hcs002h07	115330	GPR146	0.647508	-0.53269	9.86363	9.70212	1.11845
5	hcs002h07	115330	GPR146	0.25898	-1.56066	9.34867	9.49874	-1.10962
1	hcs002h08	3611	ILK	0.512539	0.78953	10.3416	10.5695	0.853857
3	hcs002h08	3611	ILK	0.377535	1.12477	11.1338	10.7029	1.34811
5	hcs002h08	3611	ILK	0.021968	6.63524	11.1923	10.2574	1.91176
7	hcs002h08	3611	ILK	0.0786491	3.35189	10.6879	10.1241	1.47813
3	hcs002h09			0.932902	0.0951049	9.70156	9.68278	1.0131
5	hcs002h09			0.576845	0.660478	9.69215	9.34286	1.27393
1	hcs002h10	3550	IK	0.67854	-0.480094	10.1005	10.0218	1.05608
3	hcs002h10	3550	IK	0.950371	-0.070272	10.3551	10.3833	-1.01975
5	hcs002h10	3550	IK	0.0248138	6.22948	10.4247	9.98802	1.35345
7	hcs002h10	3550	IK	0.72253	0.40844	9.82006	9.6677	1.11139
1	hcs002h12	2632	GBE1	0.0024700	20.0836	10.0184	10.6358	0.651844
3	hcs002h12	2632	GBE1	0.973257	-0.0378331	10.5396	10.5638	-1.01687
5	hcs002h12	2632	GBE1	0.783085	0.314246	10.7946	10.7058	1.06349
7	hcs002h12	2632	GBE1	0.184642	-1.99167	9.86134	10.4358	-1.48908
1	hcs003a03	57180	ACTR3B	0.624357	0.573219	10.0184	10.1131	0.936452
3	hcs003a03	57180	ACTR3B	0.586842	0.641617	10.7825	10.6008	1.13425
5	hcs003a03	57180	ACTR3B	0.546645	-0.719307	10.3579	10.4879	-1.0943
7	hcs003a03	57180	ACTR3B	0.201016	-1.87899	9.72993	9.95675	-1.17025
5	hcs003a04			0.817904	0.261902	11.2235	11.091	1.09621
5	hcs003a05	57685	CACHD1	0.962472	0.0531105	10.3248	10.3138	1.0077
5	hcs003a06	6480	ST6GAL1	0.70767	-0.432301	10.6556	10.8656	-1.15665
1	hcs003a07	1513	CTSK	0.579631	0.655193	10.3178	10.762	0.734982
5	hcs003a07	1513	CTSK	0.773846	0.328336	10.3559	10.191	1.12113
7	hcs003a07	1513	CTSK	0.192946	1.93292	10.7301	10.0932	1.55499
1	hcs003a08	3073	HEXA	0.796869	0.293387	10.5315	10.6033	0.951428
3	hcs003a08	3073	HEXA	0.218421	1.77189	11.3783	11.0853	1.22519
5	hcs003a08	3073	HEXA	0.0908427	3.08737	11.0649	10.8733	1.14206
7	hcs003a08	3073	HEXA	0.55023	0.71217	10.2197	10.0217	1.14704
1	hcs003a09	102	ADAM10	0.0759792	3.41778	10.5027	11.0205	0.698436
3	hcs003a09	102	ADAM10	0.510323	0.794248	11.2743	11.0447	1.17254
5	hcs003a09	102	ADAM10	0.135709	2.43004	11.3358	10.8996	1.35304
7	hcs003a09	102	ADAM10	0.288389	-1.4324	10.2095	10.7091	-1.41383
3	hcs003a11	378938	MALAT1	0.329968	-1.27648	14.2222	14.4594	-1.1787
5	hcs003a11	378938	MALAT1	0.4702	0.883421	15.0745	14.8141	1.19784
1	hcs003b02	6429	SRSF4	0.436718	-0.9641	10.1016	9.87397	1.17091
3	hcs003b02	6429	SRSF4	0.387639	-1.09541	10.1803	10.3565	-1.12993
5	hcs003b02	6429	SRSF4	0.138246	2.40221	10.3041	10.0381	1.20253
7	hcs003b02	6429	SRSF4	0.911303	0.125932	9.74023	9.70593	1.02406
1	hcs003b03	50717	DCAF8	0.0257713	-6.10814	9.90915	9.6307	1.21289

3	hcs003b03	50717	DCAF8	0.190238	1.9517	10.0474	9.99211	1.0391
5	hcs003b03	50717	DCAF8	0.0104069	9.72587	10.1781	9.73063	1.36364
7	hcs003b03	50717	DCAF8	0.1721	2.0875	9.63849	9.18131	1.37286
1	hcs003b04	4629	MYH11	0.88707	-0.160735	9.91568	9.88073	1.02452
3	hcs003b04	4629	MYH11	0.0773789	-3.38283	10.2094	10.3828	-1.12772
5	hcs003b04	4629	MYH11	0.561493	0.690022	10.1478	10.0287	1.08605
7	hcs003b04	4629	MYH11	0.0668836	-3.66997	9.41161	9.71371	-1.23294
1	hcs003b05	79137	FAM134A	0.292421	-1.4161	10.393	10.1842	1.15576
3	hcs003b05	79137	FAM134A	0.476087	0.869862	10.743	10.4877	1.19358
5	hcs003b05	79137	FAM134A	0.0060246	12.8252	10.6718	10.2445	1.34468
7	hcs003b05	79137	FAM134A	0.199287	1.8903	9.9998	9.75332	1.18631
5	hcs003b06	7263	TST	0.577133	-0.659931	9.96547	10.3314	-1.28869
5	hcs003b07	327	APEH	0.900765	0.141035	10.4257	10.3462	1.05664
7	hcs003b07	327	APEH	0.401116	-1.05758	9.1993	9.86369	-1.58489
1	hcs003b09	29956	LASS2	0.0982529	-2.9502	10.3346	10.0188	1.24466
3	hcs003b09	29956	LASS2	0.47178	0.879766	10.3934	10.2245	1.12416
5	hcs003b09	29956	LASS2	0.0825046	3.26222	10.475	10.1436	1.2583
7	hcs003b09	29956	LASS2	0.275887	1.48482	9.83159	9.65415	1.13088
1	hcs003b10	9776	ATG13	0.143792	-2.34376	9.75829	9.54626	1.15832
3	hcs003b10	9776	ATG13	0.472902	0.877176	9.94743	9.6706	1.21153
5	hcs003b10	9776	ATG13	0.0889484	3.12502	10.0818	9.65776	1.3417
7	hcs003b10	9776	ATG13	0.322037	1.3043	9.41301	9.1886	1.1683
5	hcs003b11	2200	FBN1	0.960714	0.0556019	10.2439	10.2352	1.00604
1	hcs003b12	311	ANXA11	0.509805	0.795354	10.5411	10.5802	0.973284
3	hcs003b12	311	ANXA11	0.661439	0.508848	10.5893	10.504	1.06091
5	hcs003b12	311	ANXA11	0.158052	2.20679	10.7223	10.5195	1.15098
7	hcs003b12	311	ANXA11	0.234879	-1.68049	9.96433	10.0781	-1.08206
1	hcs003c01			0.666206	-0.500778	11.961	11.8946	1.04712
3	hcs003c01			0.468917	0.886402	12.269	12.0792	1.14058
5	hcs003c01			0.782004	0.31589	12.4857	12.3916	1.06735
7	hcs003c01			0.186542	1.97792	11.8357	11.6022	1.17563
5	hcs003c02			0.462008	-0.902587	9.89734	10.6486	-1.68328
3	hcs003c03	10946	SF3A3	0.474526	0.873442	10.6156	10.387	1.17168
5	hcs003c03	10946	SF3A3	0.324987	-1.29385	9.71675	10.7853	-2.09731
1	hcs003c04	10916	MAGED2	0.035529	5.16286	9.79938	10.4986	0.615888
3	hcs003c04	10916	MAGED2	0.0934624	3.0371	10.8377	10.5335	1.23467
5	hcs003c04	10916	MAGED2	0.458978	-0.909765	10.1422	10.2624	-1.08689
7	hcs003c04	10916	MAGED2	0.999394	-0.0008572	9.86843	9.86872	-1.0002
1	hcs003c05	3437	IFIT3	0.130883	-2.48504	9.94821	9.58291	1.28815
3	hcs003c05	3437	IFIT3	0.266828	1.5247	10.5375	9.95948	1.49283
5	hcs003c05	3437	IFIT3	0.43016	0.980675	10.6749	10.183	1.40627
1	hcs003c06	3105	HLA-A	0.661482	0.508774	12.6491	12.7542	0.929762
3	hcs003c06	3105	HLA-A	0.431713	0.976726	12.6851	12.5924	1.06639
5	hcs003c06	3105	HLA-A	0.14389	2.34276	13.4127	12.9294	1.39797
7	hcs003c06	3105	HLA-A	0.760004	-0.349623	12.7388	12.8244	-1.0611
5	hcs003c07	27122	DKK3	0.0007152	37.3721	12.5608	12.0213	1.4535
7	hcs003c07	27122	DKK3	0.15147	2.2678	11.6518	11.1351	1.43061



1	hcs003c08	4478	MSN	0.049097	4.34516	11.2828	11.7513	0.722732
3	hcs003c08	4478	MSN	0.555351	0.702049	11.8552	11.6946	1.11775
5	hcs003c08	4478	MSN	0.734584	0.389318	11.9037	11.8519	1.03653
7	hcs003c08	4478	MSN	0.425108	-0.993634	11.134	11.3635	-1.17246
1	hcs003d01	10456	HAX1	0.820573	-0.257935	9.74338	9.73121	1.00847
3	hcs003d01	10456	HAX1	0.884086	-0.165039	10.3939	10.4325	-1.02715
5	hcs003d01	10456	HAX1	0.473659	-0.875435	10.2922	10.45	-1.11562
1	hcs003d02	2224	FDPS	0.0277834	-5.87365	10.4016	9.87191	1.44362
3	hcs003d02	2224	FDPS	0.0747627	3.44892	11.2566	9.83656	2.67587
5	hcs003d02	2224	FDPS	0.0010768	30.4491	11.7721	9.83864	3.8197
7	hcs003d02	2224	FDPS	0.0008349	34.5867	11.2635	9.62036	3.12338
5	hcs003d07	22	ABCB7	0.198381	1.89628	9.62995	9.41547	1.16028
1	hcs003d09	389	RHOC	0.133666	2.45299	10.675	10.9826	0.808003
3	hcs003d09	389	RHOC	0.794538	-0.296902	11.0906	11.156	-1.04642
5	hcs003d09	389	RHOC	0.221469	1.7543	11.3019	11.1673	1.09779
7	hcs003d09	389	RHOC	0.0518259	-4.22003	10.3893	10.6501	-1.19812
1	hcs003d11	2590	GALNT2	0.0417727	4.73812	10.0105	10.2051	0.873793
3	hcs003d11	2590	GALNT2	0.798863	-0.290385	10.156	10.2607	-1.07526
5	hcs003d11	2590	GALNT2	0.965989	0.0481261	10.1956	10.1895	1.00421
7	hcs003d11	2590	GALNT2	0.183419	-2.00062	9.50092	9.74131	-1.18131
1	hcs003e01	5129	CDK18	0.0718843	3.5256	10.0236	10.6862	0.631759
3	hcs003e01	5129	CDK18	0.764972	0.341958	11.095	11.0127	1.05875
5	hcs003e01	5129	CDK18	0.820075	0.258674	10.8955	10.8446	1.03588
7	hcs003e01	5129	CDK18	0.307837	1.35626	10.2515	9.89258	1.28243
1	hcs003e03	10549	PRDX4	0.283291	1.45342	10.6325	10.8396	0.866297
3	hcs003e03	10549	PRDX4	0.0512366	4.24623	11.3085	11.0284	1.21425
5	hcs003e03	10549	PRDX4	0.411331	-1.02985	10.6798	11.0245	-1.26989
7	hcs003e03	10549	PRDX4	0.0792929	-3.33648	10.0487	10.3887	-1.26572
1	hcs003e05	6133	RPL9	0.52743	-0.758335	12.7943	12.6638	1.09467
3	hcs003e05	6133	RPL9	0.694892	-0.453093	12.3787	12.5566	-1.13126
5	hcs003e05	6133	RPL9	0.720148	-0.412243	12.6014	12.6496	-1.03393
7	hcs003e05	6133	RPL9	0.7259	-0.403074	12.1836	12.3304	-1.10711
1	hcs003e06	3921	RPSA	0.29331	-1.41255	13.1966	12.8562	1.26611
3	hcs003e06	3921	RPSA	0.788955	0.30534	12.7261	12.6719	1.03826
5	hcs003e06	3921	RPSA	0.310076	-1.34787	12.7296	12.9477	-1.16315
7	hcs003e06	3921	RPSA	0.209225	-1.82701	11.9356	12.4408	-1.41932
5	hcs003e07	9611	NCOR1	0.996994	-0.0042506	10.9815	10.9845	-1.00211
7	hcs003e07	9611	NCOR1	0.310498	-1.3463	9.17133	10.6751	-2.83584
3	hcs003e09			0.735468	0.387923	10.5813	10.4846	1.06933
5	hcs003e09			0.830243	0.243608	10.1852	10.1458	1.02774
1	hcs003f02	8021	NUP214	0.450039	-0.931239	14.0998	13.7146	1.30607
3	hcs003f02	8021	NUP214	0.260061	1.55563	13.7692	13.1316	1.55577
5	hcs003f02	8021	NUP214	0.180695	2.02086	14.5109	13.6228	1.85082
7	hcs003f02	8021	NUP214	0.131084	2.4827	14.3261	13.4716	1.80813
1	hcs003f04	23324	MAN2B2	0.614856	0.590207	9.72235	9.88073	0.896031
3	hcs003f04	23324	MAN2B2	0.277657	1.47722	10.1543	9.94226	1.15837
5	hcs003f04	23324	MAN2B2	0.864665	0.19317	10.2704	10.2163	1.03816

1	hcs003f05	509	ATP5C1	0.799821	0.288944	10.6187	10.6546	0.9754
3	hcs003f05	509	ATP5C1	0.0646839	3.73852	11.3027	10.8581	1.36097
5	hcs003f05	509	ATP5C1	0.296174	1.40118	11.3106	10.8791	1.34867
7	hcs003f05	509	ATP5C1	0.487614	0.843806	10.5819	10.3451	1.17843
3	hcs003f06	?	?	0.249111	-1.60792	9.73669	10.0094	-1.20809
5	hcs003f06	?	?	0.593247	-0.629679	9.6685	9.94513	-1.21137
5	hcs003f07	29934	SNX12	0.7902	0.303456	10.6378	10.4927	1.1058
1	hcs003f08			0.217841	1.77528	9.28092	9.86169	0.668605
3	hcs003f08			0.591121	0.633628	9.96774	9.86211	1.07596
5	hcs003f08			0.532646	0.747608	9.79194	9.60854	1.13555
1	hcs003f09	9686	VGLL4	0.166626	2.13234	9.56529	9.80728	0.845576
3	hcs003f09	9686	VGLL4	0.647589	-0.53255	9.71701	9.86981	-1.11173
5	hcs003f09	9686	VGLL4	0.695378	-0.452296	9.83103	9.8713	-1.02831
1	hcs003f11	10670	RRAGA	0.194981	-1.91904	10.2377	9.97204	1.20219
3	hcs003f11	10670	RRAGA	0.314868	1.33017	10.1946	9.83238	1.28542
5	hcs003f11	10670	RRAGA	0.452755	0.924667	10.1924	9.9972	1.14489
7	hcs003f11	10670	RRAGA	0.509547	-0.795904	9.70521	9.75549	-1.03547
1	hcs003g01	949	SCARB1	0.994289	-0.0080765	13.2349	13.233	1.00129
3	hcs003g01	949	SCARB1	0.832433	0.240374	13.2325	13.1953	1.02612
5	hcs003g01	949	SCARB1	0.331454	-1.27135	13.6384	13.9196	-1.21523
7	hcs003g01	949	SCARB1	0.179615	-2.02899	12.0822	12.6716	-1.50469
1	hcs003g02	51202	DDX47	0.962901	-0.0525021	10.2312	10.2255	1.00392
3	hcs003g02	51202	DDX47	0.72039	0.411855	10.4936	10.4412	1.03697
5	hcs003g02	51202	DDX47	0.435252	-0.967782	10.3395	10.4955	-1.11418
7	hcs003g02	51202	DDX47	0.745688	-0.371878	9.81356	9.91813	-1.07518
1	hcs003g04	6617	SNAPC1	0.532864	-0.747162	9.73178	9.62579	1.07623
3	hcs003g04	6617	SNAPC1	0.442105	0.950683	10.9857	10.8075	1.13142
5	hcs003g04	6617	SNAPC1	0.23311	-1.68991	10.2484	10.7471	-1.41293
1	hcs003g05	966	CD59	0.795085	0.296076	11.9907	12.0814	0.939089
3	hcs003g05	966	CD59	0.818696	-0.260723	12.1046	12.1407	-1.02534
5	hcs003g05	966	CD59	0.321169	1.30739	12.2923	12.1713	1.08749
7	hcs003g05	966	CD59	0.597605	-0.62162	11.4495	11.6629	-1.15947
1	hcs003g06	2771	GNAI2	0.254399	1.58231	10.9934	11.1969	0.868441
3	hcs003g06	2771	GNAI2	0.229889	1.7073	11.6122	11.3877	1.16843
5	hcs003g06	2771	GNAI2	0.935107	-0.0919662	11.4455	11.4653	-1.01382
7	hcs003g06	2771	GNAI2	0.491916	-0.834243	10.4527	10.4963	-1.03066
5	hcs003g07	4172	MCM3	0.88883	-0.158198	10.8012	10.9277	-1.09166
7	hcs003g07	4172	MCM3	0.671628	-0.491651	9.91542	10.0107	-1.06829
5	hcs003g08	8883	NAE1	0.662858	-0.506441	9.87795	10.2956	-1.33577
1	hcs003g10	1312	COMT	0.061887	-3.83073	10.5739	10.2284	1.27061
3	hcs003g10	1312	COMT	0.250999	1.5987	10.9692	10.6675	1.23257
5	hcs003g10	1312	COMT	0.109933	2.76144	10.6089	10.2139	1.31494
7	hcs003g10	1312	COMT	0.0248971	6.21865	10.1229	9.91371	1.15608
1	hcs003g11	3945	LDHB	0.331511	-1.27115	11.7233	11.5013	1.16632
3	hcs003g11	3945	LDHB	0.361402	1.17358	11.8965	11.6665	1.17283
5	hcs003g11	3945	LDHB	0.20299	1.86624	11.9179	11.6194	1.22987
7	hcs003g11	3945	LDHB	0.669431	-0.495342	10.9872	11.1444	-1.11518

1	hcs003g12	8668	EIF3I	0.27115	-1.50546	11.0205	10.9497	1.0503
3	hcs003g12	8668	EIF3I	0.190195	-1.952	10.8882	11.0657	-1.13095
5	hcs003g12	8668	EIF3I	0.357913	-1.18447	10.8575	10.9039	-1.03266
7	hcs003g12	8668	EIF3I	0.148205	-2.29944	10.4895	10.8434	-1.278
1	hcs003h01	25777	SUN2	0.311975	1.34082	9.69683	9.91135	0.861833
7	hcs003h01	25777	SUN2	0.469485	-0.88508	9.44884	9.77938	-1.25748
1	hcs003h04	1026	CDKN1A	0.53494	0.742924	11.6412	12.0383	0.759401
3	hcs003h04	1026	CDKN1A	0.37608	1.12907	12.3539	11.9037	1.3662
5	hcs003h04	1026	CDKN1A	0.101688	-2.89151	11.8099	12.1941	-1.30511
7	hcs003h04	1026	CDKN1A	0.475598	-0.870983	10.6382	10.9604	-1.25018
7	hcs003h05	5660	PSAP	0.0599769	3.89725	14.378	14.026	1.2763
3	hcs003h07	10216	PRG4	0.567094	0.67916	10.1377	9.87086	1.20319
5	hcs003h07	10216	PRG4	0.409251	-1.03543	9.72723	9.90984	-1.13494
5	hcs003h09	?	?	0.530587	-0.75183	9.54778	10.1129	-1.47948
1	hcs003h12	9948	WDR1	0.718887	0.414259	9.83879	9.97016	0.912966
3	hcs003h12	9948	WDR1	0.316197	1.32532	9.80316	9.60478	1.14741
5	hcs003h12	9948	WDR1	0.710984	0.42695	9.76181	9.70861	1.03756
1	hcs004a03	9403	SEP15	0.341056	1.23889	10.1805	10.3474	0.890767
3	hcs004a03	9403	SEP15	0.239261	1.65755	11.1212	10.6704	1.36687
5	hcs004a03	9403	SEP15	0.813651	-0.268236	10.4492	10.5562	-1.07696
7	hcs004a03	9403	SEP15	0.880102	-0.170794	10.1372	10.2162	-1.05625
1	hcs004a07	821	CANX	0.323445	1.2993	11.0204	11.3774	0.780804
3	hcs004a07	821	CANX	0.66231	0.50737	11.5032	11.3406	1.11933
5	hcs004a07	821	CANX	0.127075	2.53047	11.8647	11.4528	1.3305
7	hcs004a07	821	CANX	0.957502	-0.0601558	10.796	10.82	-1.01675
1	hcs004a08	5223	PGAM1	0.982541	-0.024695	11.8761	11.8668	1.00649
3	hcs004a08	5223	PGAM1	0.381097	1.11432	11.9936	11.6394	1.27834
5	hcs004a08	5223	PGAM1	0.588913	0.637744	12.208	11.9738	1.17623
7	hcs004a08	5223	PGAM1	0.16027	-2.18701	11.3262	11.6489	-1.2507
1	hcs004a09			0.23733	1.66759	10.1555	10.7469	0.663683
3	hcs004a09			0.651066	0.526562	11.1354	11.0436	1.0657
5	hcs004a09			0.611218	-0.596769	10.8712	10.9694	-1.07044
7	hcs004a09			0.438862	-0.958739	10.0619	10.3889	-1.25442
1	hcs004a11	10961	ERP29	0.114237	-2.6989	10.5758	10.367	1.15575
3	hcs004a11	10961	ERP29	0.230043	1.70646	10.8051	10.5636	1.18222
5	hcs004a11	10961	ERP29	0.0673879	3.65471	10.8596	10.4882	1.29358
7	hcs004a11	10961	ERP29	0.282037	1.45867	10.176	10.0346	1.10301
1	hcs004a12	226	ALDOA	0.292024	1.4177	12.2603	12.6424	0.767338
3	hcs004a12	226	ALDOA	0.843307	-0.224369	12.2919	12.3337	-1.02942
7	hcs004a12	226	ALDOA	0.0540561	-4.1247	11.2846	11.8443	-1.47393
1	hcs004b01	3020	H3F3A	0.0513721	-4.24017	10.6079	10.381	1.17029
3	hcs004b01	3020	H3F3A	0.715955	0.418957	10.9079	10.785	1.08892
5	hcs004b01	3020	H3F3A	0.0424159	4.69967	10.7159	10.4425	1.20866
7	hcs004b01	3020	H3F3A	0.879536	-0.171612	10.3171	10.3508	-1.02363
1	hcs004b03	55793	FAM63A	0.923555	0.108427	9.72179	9.73606	0.990155
3	hcs004b03	55793	FAM63A	0.493999	-0.829641	9.58903	9.77567	-1.13811
5	hcs004b03	55793	FAM63A	0.0565379	4.02514	9.69727	9.28629	1.32959

7	hcs004b03	55793	FAM63A	0.283777	1.4514	9.29578	9.2757	1.01402
1	hcs004b04	140576	S100A16	0.330137	-1.27589	10.4898	10.4363	1.03778
3	hcs004b04	140576	S100A16	0.840832	-0.228005	10.8982	10.9263	-1.01967
5	hcs004b04	140576	S100A16	0.152473	2.25828	10.7724	10.444	1.25565
7	hcs004b04	140576	S100A16	0.662452	-0.507129	10.0754	10.1294	-1.03813
1	hcs004b07	79763	ISOC2	0.361096	1.17453	9.45984	9.63328	0.886728
3	hcs004b07	79763	ISOC2	0.713831	0.422369	9.64129	9.58036	1.04314
5	hcs004b07	79763	ISOC2	0.23885	1.65968	9.6897	9.37078	1.2474
1	hcs004b09	25959	KANK2	0.0066296	-12.2205	9.95318	9.4696	1.39821
3	hcs004b09	25959	KANK2	0.416692	1.0156	10.0218	9.63702	1.30567
5	hcs004b09	25959	KANK2	0.0031642	17.7349	10.2833	9.51504	1.70318
7	hcs004b09	25959	KANK2	0.0142268	8.29417	9.97592	9.15962	1.76088
1	hcs004c01	3490	IGFBP7	0.69766	0.448566	11.4124	11.5653	0.89942
3	hcs004c01	3490	IGFBP7	0.481708	0.857078	11.7011	11.472	1.1721
5	hcs004c01	3490	IGFBP7	0.440363	0.955002	12.2254	12.0541	1.12612
7	hcs004c01	3490	IGFBP7	0.149652	2.2853	11.6198	11.4536	1.1221
1	hcs004c03	10801	SEPT9	0.831522	0.241719	11.0602	11.0888	0.980378
3	hcs004c03	10801	SEPT9	0.713017	0.423677	11.1894	11.0781	1.08024
5	hcs004c03	10801	SEPT9	0.454347	-0.920835	10.6824	10.9298	-1.18708
7	hcs004c03	10801	SEPT9	0.384251	-1.10516	10.4399	10.6851	-1.18531
1	hcs004c04	58505	OSTC	0.0263008	6.04387	10.0061	10.4978	0.711172
3	hcs004c04	58505	OSTC	0.793587	0.298337	10.2894	10.2524	1.02601
5	hcs004c04	58505	OSTC	0.352653	-1.20112	10.1962	10.3203	-1.08984
7	hcs004c04	58505	OSTC	0.758823	-0.35145	9.83103	9.94376	-1.08127
1	hcs004c05	10726	NUDC	0.144508	-2.33644	11.1005	10.8039	1.22825
3	hcs004c05	10726	NUDC	0.466296	0.892511	11.301	11.0572	1.18411
5	hcs004c05	10726	NUDC	0.0030533	18.0557	11.1531	10.9235	1.17246
7	hcs004c05	10726	NUDC	0.747287	0.36938	10.2885	10.2253	1.04481
1	hcs004c06	3105	HLA-A	0.386066	1.09992	12.4093	12.5791	0.888946
3	hcs004c06	3105	HLA-A	0.133054	2.45996	12.8837	12.7581	1.09099
5	hcs004c06	3105	HLA-A	0.0913457	3.07756	12.9574	12.6495	1.23788
7	hcs004c06	3105	HLA-A	0.653993	-0.521543	12.1721	12.312	-1.10183
1	hcs004c07	7417	VDAC2	0.7403	-0.38032	10.9617	10.8064	1.11368
3	hcs004c07	7417	VDAC2	0.882103	-0.167902	11.0019	11.0774	-1.05377
5	hcs004c07	7417	VDAC2	0.143384	-2.34795	11.0539	11.1368	-1.05919
7	hcs004c07	7417	VDAC2	0.259703	-1.55729	10.3059	10.5868	-1.21494
5	hcs004c08	1739	DLG1	0.25162	-1.59568	9.6884	9.98101	-1.22486
1	hcs004c09	51285	RASL12	0.838297	-0.231733	10.4341	10.3789	1.03897
3	hcs004c09	51285	RASL12	0.331727	1.27041	10.9662	10.5168	1.36547
5	hcs004c09	51285	RASL12	0.505042	0.805574	10.7061	10.5356	1.12545
7	hcs004c09	51285	RASL12	0.287102	-1.43767	10.0153	10.288	-1.20807
1	hcs004c11	11345	GABARAPL	0.864808	-0.192961	9.96556	9.93331	1.02261
3	hcs004c11	11345	GABARAPL	0.25967	1.55745	10.4431	10.1897	1.192
5	hcs004c11	11345	GABARAPL	0.106058	2.82078	10.1209	9.88035	1.18147
7	hcs004c11	11345	GABARAPL	0.92902	0.100634	9.81562	9.77517	1.02843
5	hcs004c12	54477	PLEKHA5	0.671248	-0.492288	9.39426	9.56286	-1.12396
1	hcs004d01	10963	STIP1	0.0147643	-8.13846	10.4579	9.92523	1.4466

3	hcs004d01	10963	STIP1	0.996379	0.0051205	10.2921	10.2898	1.00162
5	hcs004d01	10963	STIP1	0.0278076	5.87098	10.6431	10.2232	1.33789
7	hcs004d01	10963	STIP1	0.875757	-0.177078	9.77608	9.79199	-1.01109
1	hcs004d02	26986	PABPC1	0.190909	1.94701	11.3585	11.9508	0.6633
3	hcs004d02	26986	PABPC1	0.945843	0.0767018	11.6878	11.674	1.00961
5	hcs004d02	26986	PABPC1	0.571311	0.671045	12.2061	12.0532	1.11183
7	hcs004d02	26986	PABPC1	0.502552	-0.810953	11.5765	11.8571	-1.21476
1	hcs004d03	10994	ILVBL	0.226321	-1.72693	9.70362	9.2856	1.33609
3	hcs004d03	10994	ILVBL	0.374	-1.13525	9.46584	9.76371	-1.22933
5	hcs004d03	10994	ILVBL	0.198148	1.89782	9.56291	9.3613	1.14998
7	hcs004d03	10994	ILVBL	0.0878461	-3.14746	9.01296	9.28861	-1.21054
3	hcs004d04	818	CAMK2G	0.422792	0.99963	9.71954	9.58307	1.09921
5	hcs004d04	818	CAMK2G	0.0758539	3.42096	9.54476	9.28878	1.19415
1	hcs004d05	3396	ICT1	0.448723	-0.934439	9.82574	9.70791	1.0851
3	hcs004d05	3396	ICT1	0.918264	0.11598	9.96894	9.93743	1.02208
5	hcs004d05	3396	ICT1	0.241912	1.64394	10.0758	9.81217	1.20047
7	hcs004d05	3396	ICT1	0.937472	-0.0886011	9.42295	9.42743	-1.00311
5	hcs004d06	929	CD14	0.146016	2.32119	9.49533	8.99332	1.41619
1	hcs004d07	5550	PREP	0.184651	1.99161	9.43566	9.59233	0.897091
3	hcs004d07	5550	PREP	0.862071	-0.196944	9.73459	9.78693	-1.03695
5	hcs004d07	5550	PREP	0.37954	1.11887	9.80089	9.58678	1.15999
7	hcs004d07	5550	PREP	0.417561	1.01331	9.54357	9.2634	1.21434
1	hcs004d09	10209	EIF1	0.212234	1.80863	11.2371	11.5403	0.810434
3	hcs004d09	10209	EIF1	0.950999	0.0693811	11.3155	11.2941	1.01494
5	hcs004d09	10209	EIF1	0.444712	0.944253	11.7722	11.522	1.1894
7	hcs004d09	10209	EIF1	0.950958	0.0694395	11.1228	11.1045	1.01272
5	hcs004d10	80308	FLAD1	0.106771	2.80963	9.22319	8.93748	1.21901
1	hcs004e03	1173	AP2M1	0.544452	0.723695	12.132	12.2882	0.897365
3	hcs004e03	1173	AP2M1	0.112335	2.72611	12.5102	11.9837	1.44046
5	hcs004e03	1173	AP2M1	0.386563	1.0985	12.411	12.2651	1.10637
7	hcs004e03	1173	AP2M1	0.0031963	-17.6452	11.6944	11.8466	-1.11124
1	hcs004e04	51386	EIF3L	0.708815	0.43045	11.508	11.6053	0.934759
3	hcs004e04	51386	EIF3L	0.346875	1.21975	12.1267	11.9108	1.16143
5	hcs004e04	51386	EIF3L	0.504592	0.806544	11.9567	11.9046	1.03677
7	hcs004e04	51386	EIF3L	0.791167	-0.301993	11.3186	11.4297	-1.08003
5	hcs004e05	1645	AKR1C1	0.509493	0.796019	10.3357	10.1221	1.15959
1	hcs004e06	10383	TUBB2C	0.42069	-1.0051	12.6681	12.3511	1.24571
3	hcs004e06	10383	TUBB2C	0.935606	0.0912556	12.4813	12.4681	1.00917
5	hcs004e06	10383	TUBB2C	0.760343	-0.3491	12.526	12.6024	-1.05438
7	hcs004e06	10383	TUBB2C	0.0115665	-9.21733	11.6275	12.2866	-1.57913
1	hcs004e07	22948	CCT5	0.0052773	-13.711	11.0702	10.5103	1.47413
3	hcs004e07	22948	CCT5	0.248986	1.60854	11.1181	10.8134	1.23518
5	hcs004e07	22948	CCT5	0.33101	1.27288	11.0378	10.7406	1.22873
7	hcs004e07	22948	CCT5	0.26134	-1.5497	9.97915	10.2861	-1.23709
5	hcs004e08	55853	IDI2-AS1	0.919446	0.114292	9.24906	9.17418	1.05328
1	hcs004e11	9168	TMSB10	0.122078	2.59307	12.3076	12.7311	0.745596
3	hcs004e11	9168	TMSB10	0.0683448	-3.62621	12.384	12.6477	-1.20055

5	hcs004e11	9168	TMSB10	0.957107	-0.0607158	12.6887	12.6987	-1.007
7	hcs004e11	9168	TMSB10	0.0093189	-10.2864	12.0083	12.4641	-1.37154
1	hcs004f01	?	?	0.381633	1.11275	8.78644	9.82059	0.488303
1	hcs004f03	84926	SPRYD3	0.82918	-0.24518	9.79382	9.74173	1.03676
3	hcs004f03	84926	SPRYD3	0.0049874	-14.107	9.67179	10.0306	-1.28238
5	hcs004f03	84926	SPRYD3	0.210834	-1.81714	9.59098	10.634	-2.06054
7	hcs004f03	84926	SPRYD3	0.37081	-1.14482	9.1077	9.82766	-1.64714
5	hcs004f04	337876	CHSY3	0.318322	-1.31762	8.8886	10.1783	-2.44476
1	hcs004f05	57506	MAVS	0.331296	-1.27189	9.44698	9.32135	1.09099
3	hcs004f05	57506	MAVS	0.506421	0.802605	9.78853	9.69019	1.07054
5	hcs004f05	57506	MAVS	0.181609	2.01402	9.57869	9.29357	1.21851
7	hcs004f05	57506	MAVS	0.602514	0.612604	9.33037	9.17518	1.11357
1	hcs004f06	2023	ENO1	0.793186	-0.298942	13.1921	13.0426	1.10916
3	hcs004f06	2023	ENO1	0.504246	0.80729	13.5991	13.2558	1.2686
5	hcs004f06	2023	ENO1	0.700856	0.443355	13.2051	13.0227	1.13482
7	hcs004f06	2023	ENO1	0.377474	-1.12495	12.5879	12.8339	-1.18589
1	hcs004f08	3309	HSPA5	0.196685	1.90756	11.0885	12.192	0.465386
5	hcs004f08	3309	HSPA5	0.796611	-0.293777	11.8448	11.8902	-1.03197
7	hcs004f08	3309	HSPA5	0.42948	-0.982411	10.8873	11.4392	-1.46605
5	hcs004f09	7306	TYRP1	0.272017	-1.50165	8.45994	9.85974	-2.63866
5	hcs004f12	55225	RAVER2	0.206394	-1.84462	9.02145	9.23855	-1.16239
1	hcs004g02	1718	DHCR24	0.249136	-1.6078	10.9635	10.5923	1.29346
3	hcs004g02	1718	DHCR24	0.134162	2.44737	11.5863	10.72	1.823
5	hcs004g02	1718	DHCR24	0.211367	1.81389	11.6606	10.808	1.80576
7	hcs004g02	1718	DHCR24	0.0049335	14.1843	11.3168	9.95837	2.56399
5	hcs004g03	8613	PPAP2B	0.523126	-0.767262	10.3434	10.7706	-1.34463
1	hcs004g04	8148	TAF15	0.890747	-0.155437	10.0237	9.98988	1.02372
3	hcs004g04	8148	TAF15	0.820134	0.258586	10.9128	10.8168	1.06884
5	hcs004g04	8148	TAF15	0.461564	-0.903636	10.1251	10.4477	-1.25061
1	hcs004g05			0.347838	1.21662	9.95481	10.6811	0.604451
3	hcs004g05			0.677672	0.481541	10.5939	10.4474	1.10689
5	hcs004g05			0.537341	-0.73804	10.4663	10.6009	-1.09779
1	hcs004g06	8514	KCNAB2	0.0922062	-3.06095	9.78798	9.53921	1.18819
3	hcs004g06	8514	KCNAB2	0.688409	0.463743	10.1749	10.022	1.11184
5	hcs004g06	8514	KCNAB2	0.0493727	-4.33206	9.94519	10.2194	-1.20935
1	hcs004g07	57493	HEG1	0.35678	-1.18803	9.92442	9.78537	1.10118
3	hcs004g07	57493	HEG1	0.148428	2.29725	10.7728	10.2517	1.43502
5	hcs004g07	57493	HEG1	0.0144845	8.21844	10.5889	9.92958	1.57939
7	hcs004g07	57493	HEG1	0.107694	2.79536	10.1954	9.51615	1.60131
5	hcs004g08			0.179413	2.03052	10.2776	9.76333	1.42827
5	hcs004h02			0.56891	-0.675659	9.86856	10.4518	-1.49824
1	hcs004h04	6876	TAGLN	0.118182	2.64442	10.4874	11.6221	0.455419
3	hcs004h04	6876	TAGLN	0.368323	-1.15233	11.2113	11.923	-1.63777
5	hcs004h04	6876	TAGLN	0.285386	-1.44473	11.1185	11.8957	-1.71376
7	hcs004h04	6876	TAGLN	0.730678	-0.395493	11.2548	11.3892	-1.09766
1	hcs004h06	9524	TECR	0.367428	-1.15505	10.7364	10.5721	1.12061
3	hcs004h06	9524	TECR	0.538769	0.735146	10.9589	10.7296	1.17224

5	hcs004h06	9524	TECR	0.282622	1.45622	10.9556	10.6595	1.22785
7	hcs004h06	9524	TECR	0.10749	2.7985	10.5524	10.1162	1.35308
1	hcs004h08	10449	ACAA2	0.191197	1.94501	9.47381	9.88386	0.752597
3	hcs004h08	10449	ACAA2	0.571366	-0.670941	9.84343	9.8662	-1.01591
5	hcs004h08	10449	ACAA2	0.635836	-0.552976	9.7285	9.85866	-1.09442
7	hcs004h08	10449	ACAA2	0.337734	-1.25	9.34814	9.75714	-1.32776
1	hcs004h09			0.867901	0.188468	9.8179	9.88331	0.955676
3	hcs004h09			0.052513	4.19003	9.9068	9.80448	1.0735
5	hcs004h09			0.0792923	-3.3365	9.50214	9.86621	-1.28705
7	hcs004h09			0.115391	-2.68269	9.24751	9.55327	-1.23607
1	hcs004h10	293	SLC25A6	0.850511	0.213812	11.6131	11.6426	0.979782
3	hcs004h10	293	SLC25A6	0.273416	1.49553	11.4551	11.1261	1.2562
5	hcs004h10	293	SLC25A6	0.164951	2.14647	11.8692	11.6	1.20511
7	hcs004h10	293	SLC25A6	0.736245	-0.386699	11.1363	11.2193	-1.05922
1	hcs004h11	7164	TPD52L1	0.411815	-1.02855	10.0879	9.71736	1.29284
3	hcs004h11	7164	TPD52L1	0.0281735	5.83108	10.13	9.42819	1.6265
5	hcs004h11	7164	TPD52L1	0.0542876	4.11514	10.6459	9.89276	1.68546
7	hcs004h11	7164	TPD52L1	0.130316	2.49168	10.3941	9.52561	1.82573
5	hcs005a01	1312	COMT	0.422137	-1.00133	9.38092	9.48226	-1.07277
1	hcs005a02	4853	NOTCH2	0.241444	1.64633	10.2817	10.4392	0.896556
3	hcs005a02	4853	NOTCH2	0.895917	-0.148	10.3132	10.3648	-1.03644
5	hcs005a02	4853	NOTCH2	0.0205754	6.86344	10.4132	10.2491	1.12044
7	hcs005a02	4853	NOTCH2	0.551218	-0.710211	9.95096	10.101	-1.10959
1	hcs005a03	5269	SERPINB6	0.906317	0.133072	12.9734	12.998	0.983116
3	hcs005a03	5269	SERPINB6	0.303682	1.37202	12.846	12.7579	1.06302
5	hcs005a03	5269	SERPINB6	0.251722	1.59519	13.2711	12.8609	1.32881
7	hcs005a03	5269	SERPINB6	0.0575429	3.98662	13.0608	12.6331	1.34506
1	hcs005a06	1059	CENPB	0.332006	-1.26946	10.2722	10.0085	1.20054
3	hcs005a06	1059	CENPB	0.593213	0.629742	10.379	10.1665	1.1587
5	hcs005a06	1059	CENPB	0.0254948	6.14248	10.4401	9.89546	1.45866
7	hcs005a06	1059	CENPB	0.0766611	3.40064	10.0774	9.6972	1.30155
3	hcs005a08	54475	NLE1	0.851337	-0.212603	9.64271	9.7018	-1.04181
5	hcs005a08	54475	NLE1	0.108794	-2.77857	9.34001	9.74223	-1.32155
1	hcs005a09	10749	KIF1C	0.424632	-0.994863	10.0563	9.77261	1.21731
3	hcs005a09	10749	KIF1C	0.346013	1.22257	10.375	10.1446	1.17319
5	hcs005a09	10749	KIF1C	0.0194107	7.07268	10.3752	9.92884	1.36261
7	hcs005a09	10749	KIF1C	0.0470456	4.44612	9.97522	9.43466	1.45454
1	hcs005b01	8439	NSMAF	0.823231	-0.253989	9.57105	9.47443	1.06927
3	hcs005b01	8439	NSMAF	0.871432	0.183344	9.96395	9.91928	1.03144
5	hcs005b01	8439	NSMAF	0.69878	0.446738	9.9374	9.89178	1.03213
7	hcs005b01	8439	NSMAF	0.667956	0.497826	9.524	9.3709	1.11196
1	hcs005b04	84548	TMEM185	0.90312	-0.137656	9.76768	9.74669	1.01466
3	hcs005b04	84548	TMEM185	0.704913	-0.436765	10.221	10.3196	-1.07075
5	hcs005b04	84548	TMEM185	0.347015	-1.2193	10.196	10.6216	-1.34319
5	hcs005b05	?	?	0.615026	-0.589901	10.3478	10.5219	-1.12828
3	hcs005b07	56995	TULP4	0.576828	0.660512	10.7066	10.4972	1.15615
5	hcs005b07	56995	TULP4	0.357384	-1.18613	10.3312	10.6382	-1.23712

1	hcs005b08	6130	RPL7A	0.5913	-0.633296	12.9129	12.803	1.07913
3	hcs005b08	6130	RPL7A	0.637568	-0.549947	12.6055	12.7497	-1.10512
5	hcs005b08	6130	RPL7A	0.475949	-0.870178	12.815	13.0186	-1.15152
7	hcs005b08	6130	RPL7A	0.156848	-2.21769	12.1446	12.7138	-1.4837
5	hcs005b09	?	?	0.637419	-0.550207	10.0569	10.2557	-1.14773
1	hcs005b10	2787	GNG5	0.97317	0.0379575	10.3842	10.3883	0.997162
3	hcs005b10	2787	GNG5	0.73364	-0.390809	10.5976	10.7056	-1.07775
5	hcs005b10	2787	GNG5	0.718742	0.414492	10.5454	10.4909	1.03852
7	hcs005b10	2787	GNG5	0.811736	-0.271093	9.96585	9.99574	-1.02093
1	hcs005b11	23636	NUP62	0.0325749	-5.40432	9.90217	9.60353	1.22999
5	hcs005b11	23636	NUP62	0.543288	-0.726031	9.56351	9.69157	-1.09282
1	hcs005c02	498	ATP5A1	0.24136	-1.64676	11.3768	11.284	1.06644
3	hcs005c02	498	ATP5A1	0.382361	1.11064	11.4458	11.198	1.18737
5	hcs005c02	498	ATP5A1	0.247118	1.61776	11.8161	11.5002	1.24482
7	hcs005c02	498	ATP5A1	0.764442	0.342775	11.1778	11.1148	1.04464
1	hcs005c03	?	?	0.410581	-1.03186	9.8368	9.35818	1.39341
5	hcs005c03	?	?	0.299148	-1.38952	10.1424	10.4904	-1.2728
1	hcs005c04	83695	C12orf32	0.305628	-1.3646	9.79243	9.72282	1.04944
3	hcs005c04	83695	C12orf32	0.816755	0.263611	10.1847	10.1527	1.02244
5	hcs005c04	83695	C12orf32	0.330669	-1.27406	9.41318	10.1203	-1.63252
1	hcs005c05	5834	PYGB	0.479629	-0.861789	10.3038	10.0967	1.15439
3	hcs005c05	5834	PYGB	0.0146557	8.16924	11.0745	10.4842	1.50555
5	hcs005c05	5834	PYGB	0.774927	0.326684	10.3638	10.264	1.07168
7	hcs005c05	5834	PYGB	0.74904	0.366645	9.94535	9.83014	1.08314
1	hcs005c06	23710	GABARAPL	0.0530843	4.16552	9.45815	10.1093	0.636753
3	hcs005c06	23710	GABARAPL	0.872622	0.181619	10.2963	10.2422	1.0382
5	hcs005c06	23710	GABARAPL	0.520325	0.773111	10.0254	9.90541	1.0867
7	hcs005c06	23710	GABARAPL	0.459011	0.909688	10.1749	9.91033	1.20128
1	hcs005c07	140685	ZBTB46	0.706635	-0.433975	9.64058	9.58381	1.04013
3	hcs005c07	140685	ZBTB46	0.954546	-0.064348	10.3049	10.3311	-1.0183
5	hcs005c07	140685	ZBTB46	0.201153	-1.8781	10.102	10.4737	-1.29387
5	hcs005c09	54716	SLC6A20	0.583469	-0.647948	9.86911	10.2463	-1.29882
5	hcs005c10	55764	IFT122	0.44752	-0.937373	9.33487	9.50934	-1.12855
1	hcs005d01			0.097989	2.95482	12.5422	12.9901	0.733126
3	hcs005d01			0.694475	-0.453776	12.4682	12.5566	-1.06319
5	hcs005d01			0.751389	-0.362986	13.066	13.1123	-1.03261
7	hcs005d01			0.38093	-1.11481	12.2191	12.7894	-1.48476
1	hcs005d02			0.988658	0.0160413	11.0044	11.0078	0.99766
3	hcs005d02			0.347754	1.21689	11.6065	11.2414	1.28794
5	hcs005d02			0.803396	-0.283575	10.867	11.0029	-1.09884
7	hcs005d02			0.37981	-1.11808	10.1253	10.6412	-1.42983
1	hcs005d04	6124	RPL4	0.862559	-0.196233	12.518	12.4468	1.05061
3	hcs005d04	6124	RPL4	0.48995	-0.838602	12.7215	12.943	-1.16595
5	hcs005d04	6124	RPL4	0.0607961	-3.86835	12.7344	13.1163	-1.30312
7	hcs005d04	6124	RPL4	0.318166	-1.31818	11.8075	12.1575	-1.27462
5	hcs005d06	23365	ARHGEF12	0.782987	-0.314395	10.7564	10.8712	-1.08284
5	hcs005d07	10068	IL18BP	0.57748	-0.659273	9.78054	10.3493	-1.48327



7	hcs005d07	10068	IL18BP	0.473438	-0.875944	9.45932	9.92603	-1.38195
5	hcs005d11	2353	FOS	0.54669	-0.719217	9.8867	10.3376	-1.3669
1	hcs005d12	51009	DERL2	0.701606	-0.442135	9.74951	9.64147	1.07776
3	hcs005d12	51009	DERL2	0.298527	1.39194	10.1678	9.75682	1.3296
5	hcs005d12	51009	DERL2	0.940054	0.0849292	9.6838	9.66193	1.01527
5	hcs005e03	55751	TMEM184C	0.526616	-0.760018	9.55875	10.3633	-1.74664
1	hcs005e04	149951	COMMD7	0.300536	1.38413	10.1807	10.2902	0.926877
3	hcs005e04	149951	COMMD7	0.523967	0.765512	10.6797	10.4893	1.14102
5	hcs005e04	149951	COMMD7	0.325846	-1.29083	9.89086	10.2991	-1.32706
7	hcs005e04	149951	COMMD7	0.520572	-0.772594	9.55302	9.96965	-1.33481
3	hcs005e05	10399	GNB2L1	0.956589	-0.0614503	13.9042	13.9061	-1.00132
5	hcs005e05	10399	GNB2L1	0.435846	-0.966289	13.787	13.8976	-1.07968
5	hcs005e08	64409	WBSCR17	0.79056	-0.302912	10.1402	10.3023	-1.1189
3	hcs005e09	2923	PDIA3	0.51876	-0.776392	10.6149	10.7371	-1.08839
5	hcs005e09	2923	PDIA3	0.53405	-0.744739	10.1629	10.3396	-1.13024
7	hcs005e09	2923	PDIA3	0.866513	0.190485	11.7901	11.7019	1.06304
1	hcs005f04	6888	TALDO1	0.597127	0.622501	11.2146	11.2639	0.966383
3	hcs005f04	6888	TALDO1	0.329996	1.27638	11.7877	11.5632	1.16835
5	hcs005f04	6888	TALDO1	0.710042	-0.42847	11.4401	11.549	-1.07841
7	hcs005f04	6888	TALDO1	0.883439	-0.165974	10.7404	10.7619	-1.01499
5	hcs005f05			0.690976	-0.459518	10.744	10.9982	-1.19268
1	hcs005f08	468	ATF4	0.447259	0.93801	11.4083	11.7604	0.783443
3	hcs005f08	468	ATF4	0.203927	1.86024	11.9563	11.8697	1.06189
5	hcs005f08	468	ATF4	0.371986	1.14128	12.1422	11.8977	1.18471
7	hcs005f08	468	ATF4	0.889506	0.157224	11.2759	11.2209	1.03884
1	hcs005f09	2950	GSTP1	0.232199	-1.69479	12.4353	12.1857	1.18885
3	hcs005f09	2950	GSTP1	0.66646	0.50035	12.3294	12.185	1.10525
5	hcs005f09	2950	GSTP1	0.332759	-1.26687	12.215	12.2993	-1.06015
7	hcs005f09	2950	GSTP1	0.0266177	-6.0063	11.5024	11.8291	-1.25414
1	hcs005f12			0.996187	-0.0053925	11.7263	11.7249	1.00097
3	hcs005f12			0.741247	-0.378833	11.5096	11.5934	-1.05985
5	hcs005f12			0.299404	-1.38852	11.3665	11.7507	-1.30514
7	hcs005f12			0.0517967	-4.22132	10.064	11.2123	-2.21645
1	hcs005g02	6175	RPLP0	0.263615	-1.53926	13.4502	13.2723	1.13121
5	hcs005g02	6175	RPLP0	0.238724	-1.66034	13.3941	13.5008	-1.07679
7	hcs005g02	6175	RPLP0	0.229733	-1.70815	12.6329	13.0341	-1.32061
1	hcs005g03	7105	TSPAN6	0.325514	1.292	9.43966	10.4324	0.502512
3	hcs005g03	7105	TSPAN6	0.399046	1.0633	10.4962	9.77639	1.64702
5	hcs005g03	7105	TSPAN6	0.458941	-0.909853	9.97261	10.7063	-1.66294
7	hcs005g03	7105	TSPAN6	0.48292	-0.854339	9.77131	10.0572	-1.21913
5	hcs005g04	9353	SLIT2	0.495667	-0.825972	9.9526	10.9803	-2.0388
1	hcs005g05	3514	IGKC	0.871178	0.183712	9.64345	9.69426	0.965392
3	hcs005g05	3514	IGKC	0.294327	1.4085	10.0635	9.74596	1.2462
5	hcs005g05	3514	IGKC	0.419343	-1.00863	9.89647	10.0819	-1.13717
7	hcs005g05	3514	IGKC	0.615934	-0.588269	9.33274	9.52752	-1.14455
5	hcs005g06	200845	KCTD6	0.484522	-0.850734	9.5094	10.1662	-1.5766
7	hcs005g06	200845	KCTD6	0.637301	-0.550413	9.28767	9.53119	-1.18387

1	hcs005g07	23215	PRRC2C	0.327659	1.28449	13.9601	14.1384	0.883744
3	hcs005g07	23215	PRRC2C	0.727117	0.40114	14.0585	13.9255	1.09657
5	hcs005g07	23215	PRRC2C	0.240325	1.65207	14.2594	13.726	1.44734
7	hcs005g07	23215	PRRC2C	0.0508373	4.26423	13.8998	13.3928	1.42109
5	hcs005g08	51720	UIMC1	0.469546	-0.884938	9.20666	9.88171	-1.59665
1	hcs005g09	23354	HAUS5	0.106663	-2.81132	10.5407	10.1846	1.27998
3	hcs005g09	23354	HAUS5	0.28523	1.44538	10.9639	10.573	1.31118
5	hcs005g09	23354	HAUS5	0.513834	0.786783	10.5356	10.3461	1.14035
7	hcs005g09	23354	HAUS5	0.123586	-2.5738	10.0013	10.2366	-1.17717
5	hcs005g10	?	?	0.395731	-1.07252	9.35579	10.2964	-1.91932
1	hcs005g11	2202	EFEMP1	0.449043	-0.933661	9.92609	9.78815	1.10033
3	hcs005g11	2202	EFEMP1	0.585383	0.64435	9.94868	9.86078	1.06282
5	hcs005g11	2202	EFEMP1	0.932571	0.0955771	9.96763	9.9536	1.00977
7	hcs005h01	6423	SFRP2	0.87908	-0.172271	9.94158	10.0436	-1.0733
3	hcs005h02	2631	GBAS	0.420616	-1.0053	10.0867	10.2452	-1.11607
5	hcs005h02	2631	GBAS	0.433468	-0.972279	10.1282	10.421	-1.22502
1	hcs005h03	2067	ERCC1	0.273147	1.4967	10.4992	10.7837	0.82103
3	hcs005h03	2067	ERCC1	0.864677	-0.193152	11.1166	11.1296	-1.00905
5	hcs005h03	2067	ERCC1	0.681128	-0.475791	10.836	10.9532	-1.0846
7	hcs005h03	2067	ERCC1	0.449497	-0.932556	10.0943	10.3721	-1.21232
1	hcs005h05	4670	HNRNPM	0.306053	-1.36299	14.6852	14.1137	1.4861
3	hcs005h05	4670	HNRNPM	0.384539	1.10432	14.5464	14.0582	1.40266
5	hcs005h05	4670	HNRNPM	0.26093	1.5516	14.7151	13.935	1.71721
7	hcs005h05	4670	HNRNPM	0.253845	1.58496	14.449	13.8371	1.5282
5	hcs005h06			0.34348	-1.23087	9.94717	10.2397	-1.22481
3	hcs005h07	79073	TMEM109	0.794079	0.297594	13.6864	13.6134	1.05193
1	hcs005h08	6522	SLC4A2	0.372306	1.14032	14.3938	14.76	0.775805
1	hcs005h10	9802	DAZAP2	0.1495	-2.28678	10.8	10.0718	1.65656
3	hcs005h10	9802	DAZAP2	0.290712	1.42298	11.0595	10.4222	1.55544
5	hcs005h10	9802	DAZAP2	0.233755	1.68646	10.7894	10.3247	1.38
7	hcs005h10	9802	DAZAP2	0.620818	0.579521	10.1722	9.98829	1.13592
1	hcs006a01	10410	IFITM3	0.331193	1.27225	11.0346	11.3175	0.821937
3	hcs006a01	10410	IFITM3	0.845439	0.221241	11.2299	11.1527	1.05494
5	hcs006a01	10410	IFITM3	0.831256	-0.242113	11.4071	11.424	-1.01176
7	hcs006a01	10410	IFITM3	0.474269	-0.874032	10.5605	10.735	-1.12857
1	hcs006a02	339123	JMJD8	0.133045	2.46006	10.9884	11.5763	0.665326
3	hcs006a02	339123	JMJD8	0.81905	0.260197	11.4166	11.2894	1.09215
5	hcs006a02	339123	JMJD8	0.182385	2.00825	12.0626	11.4739	1.50382
7	hcs006a02	339123	JMJD8	0.673117	0.489154	11.4641	11.2446	1.16438
1	hcs006a04	5354	PLP1	0.0671158	3.66292	10.8127	11.0751	0.833681
3	hcs006a04	5354	PLP1	0.0450152	4.55261	11.551	11.0471	1.41801
5	hcs006a04	5354	PLP1	0.0800295	3.31907	11.7688	10.9791	1.72871
7	hcs006a04	5354	PLP1	0.145436	2.32703	11.1343	10.6483	1.40059
1	hcs006a05	83882	TSPAN10	0.855554	0.206442	10.9885	11.0276	0.973239
3	hcs006a05	83882	TSPAN10	0.0102097	9.82082	11.642	11.3	1.26752
5	hcs006a05	83882	TSPAN10	0.272714	-1.4986	10.8426	11.1371	-1.22645
7	hcs006a05	83882	TSPAN10	0.0625763	-3.80745	10.2333	10.5346	-1.23224

1	hcs006a06	10618	TGOLN2	0.575484	0.66307	10.3861	10.5665	0.88246
3	hcs006a06	10618	TGOLN2	0.792506	0.299969	10.9729	10.8671	1.07608
5	hcs006a06	10618	TGOLN2	0.0019803	-22.4382	9.7908	10.0701	-1.2136
7	hcs006a06	10618	TGOLN2	0.274115	-1.49249	9.75484	10.2269	-1.38706
1	hcs006a07	10423	CDIPT	0.841932	-0.226387	13.8663	13.8025	1.04519
3	hcs006a07	10423	CDIPT	0.574392	0.665152	13.6358	13.5251	1.07975
5	hcs006a07	10423	CDIPT	0.402591	-1.05353	13.9064	14.0599	-1.11226
7	hcs006a07	10423	CDIPT	0.646713	-0.534063	13.5717	13.8193	-1.18726
1	hcs006a08	6602	SMARCD1	0.13657	2.42052	10.6312	11.2513	0.650626
3	hcs006a08	6602	SMARCD1	0.258706	1.56195	11.6431	11.1504	1.40714
5	hcs006a08	6602	SMARCD1	0.13143	2.47867	11.8463	11.145	1.62597
7	hcs006a08	6602	SMARCD1	0.0082926	10.9129	11.6263	10.7474	1.83893
5	hcs006a09			0.20687	1.84164	14.3681	13.8347	1.44737
7	hcs006a09			0.0084693	10.797	15.066	14.4532	1.52915
1	hcs006a10	715	C1R	0.623394	-0.574931	9.9886	9.89768	1.06505
3	hcs006a10	715	C1R	0.290719	1.42295	10.4351	10.206	1.1721
5	hcs006a10	715	C1R	0.158419	2.20349	10.2584	10.0354	1.16721
3	hcs006a11	2622	GAS8	0.201398	1.87651	10.1797	9.61453	1.47952
5	hcs006a11	2622	GAS8	0.132264	2.46902	10.1333	9.41164	1.64907
7	hcs006a11	2622	GAS8	0.0709866	3.55043	9.70616	8.83683	1.82681
1	hcs006b01	203245	NAIF1	0.875876	0.176906	11.986	12.0064	0.985959
3	hcs006b01	203245	NAIF1	0.792818	-0.299498	11.6146	11.638	-1.01638
5	hcs006b01	203245	NAIF1	0.589262	-0.637092	11.9314	11.9916	-1.04259
7	hcs006b01	203245	NAIF1	0.123639	-2.57313	11.3981	11.7617	-1.28663
3	hcs006b02			0.94696	-0.075115	9.36093	9.40267	-1.02935
5	hcs006b02			0.519474	-0.774894	9.36083	9.62119	-1.19778
1	hcs006b04	23283	CSTF2T	0.0592951	3.92174	11.575	11.8219	0.842725
3	hcs006b04	23283	CSTF2T	0.363009	1.1686	11.9619	11.8093	1.11155
5	hcs006b04	23283	CSTF2T	0.731299	-0.394509	11.8682	11.9473	-1.05636
7	hcs006b04	23283	CSTF2T	0.471795	-0.879731	11.1344	11.2451	-1.07975
1	hcs006b05	2261	FGFR3	0.178491	2.03753	14.4078	14.5424	0.910922
3	hcs006b05	2261	FGFR3	0.53814	0.736418	14.7232	14.6381	1.06076
7	hcs006b05	2261	FGFR3	0.758193	-0.352425	14.4295	14.5357	-1.07641
5	hcs006b06	6320	CLEC11A	0.598068	-0.620768	10.584	11.0821	-1.4123
5	hcs006b07			0.177243	-2.04709	9.55806	9.82742	-1.20527
7	hcs006b07			0.651247	-0.526252	9.35073	9.66371	-1.24227
5	hcs006b10	11047	ADRM1	0.845247	0.221522	9.86336	9.8305	1.02303
1	hcs006b11	27166	PRELID1	0.308096	-1.35528	9.66054	9.3963	1.201
3	hcs006b11	27166	PRELID1	0.388175	1.09388	10.0496	9.73004	1.24797
5	hcs006b11	27166	PRELID1	0.618815	0.583102	9.72796	9.57785	1.10966
3	hcs006b12	2192	FBLN1	0.288509	1.43191	10.0976	9.68356	1.33245
5	hcs006b12	2192	FBLN1	0.0475033	4.42305	9.97751	9.51601	1.37698
7	hcs006b12	2192	FBLN1	0.374325	1.13429	9.77525	9.43946	1.26207
1	hcs006c04	7009	TMBIM6	0.670066	-0.494275	11.0693	10.9932	1.05419
3	hcs006c04	7009	TMBIM6	0.136017	2.42662	11.501	11.1774	1.25145
5	hcs006c04	7009	TMBIM6	0.899109	-0.143413	10.7277	10.7659	-1.02681
7	hcs006c04	7009	TMBIM6	0.026676	-5.99947	10.3739	10.6221	-1.18772

1	hcs006c05	10412	NSA2	0.781676	0.316389	10.2857	10.3708	0.942704
3	hcs006c05	10412	NSA2	0.319502	1.31337	11.1292	10.788	1.26686
5	hcs006c05	10412	NSA2	0.24361	-1.63532	10.112	10.8948	-1.72046
1	hcs006c07	9761	MLEC	0.0299799	5.64476	10.771	11.171	0.757859
3	hcs006c07	9761	MLEC	0.672008	0.491013	11.2318	11.1382	1.06698
5	hcs006c07	9761	MLEC	0.0247493	6.23791	11.4779	11.1472	1.25762
7	hcs006c07	9761	MLEC	0.875739	0.177105	10.9696	10.9438	1.01804
1	hcs006c08	124446	TMEM219	0.0711923	3.5447	12.0642	13.1142	0.482957
3	hcs006c08	124446	TMEM219	0.49322	-0.831361	12.7745	13.0044	-1.17278
5	hcs006c08	124446	TMEM219	0.619384	0.582085	13.0509	12.898	1.1118
7	hcs006c08	124446	TMEM219	0.163696	2.15719	13.5344	12.9519	1.49737
1	hcs006c10	51084	CRYL1	0.0978014	2.95813	10.0103	10.1749	0.892147
3	hcs006c10	51084	CRYL1	0.439878	-0.956207	10.324	10.5169	-1.14304
5	hcs006c10	51084	CRYL1	0.76641	-0.339744	10.2201	10.2753	-1.03905
7	hcs006c10	51084	CRYL1	0.992678	0.0103551	9.87618	9.87462	1.00108
1	hcs006c11	55831	TMEM111	0.536256	-0.740244	9.80713	9.72072	1.06173
3	hcs006c11	55831	TMEM111	0.267632	1.52109	10.6123	10.1552	1.37278
5	hcs006c11	55831	TMEM111	0.0579637	3.97078	10.4863	9.70028	1.72427
7	hcs006c11	55831	TMEM111	0.0171522	7.53698	10.1518	9.12541	2.03692
1	hcs006c12	6484	ST3GAL4	0.957099	-0.0607272	9.24265	9.22917	1.00939
3	hcs006c12	6484	ST3GAL4	0.479841	-0.861307	9.45445	9.48932	-1.02447
5	hcs006c12	6484	ST3GAL4	0.745071	0.372843	9.3567	9.3062	1.03562
1	hcs006d01	?	?	0.630298	0.562706	9.49684	9.63792	0.906838
3	hcs006d01	?	?	0.50647	0.802498	10.1939	10.0279	1.12189
5	hcs006d01	?	?	0.151496	2.26756	10.5575	10.1558	1.3211
5	hcs006d04	6891	TAP2	0.484805	-0.850098	10.3533	10.7681	-1.33308
1	hcs006d05	51366	UBR5	0.303764	1.3717	11.3992	11.4882	0.940152
3	hcs006d05	51366	UBR5	0.686004	-0.467712	11.5262	11.6171	-1.06503
5	hcs006d05	51366	UBR5	0.724322	0.405584	11.5241	11.4408	1.05941
7	hcs006d05	51366	UBR5	0.834378	-0.237505	10.9688	11.0001	-1.02196
5	hcs006d07	7980	TFPI2	0.756445	-0.355133	10.4763	10.5831	-1.07681
1	hcs006d09	8682	PEA15	0.118854	-2.63539	10.1798	9.83198	1.27264
3	hcs006d09	8682	PEA15	0.855969	-0.205836	10.2356	10.2823	-1.03284
5	hcs006d09	8682	PEA15	0.735622	-0.387681	10.2344	10.3777	-1.1044
1	hcs006d10	23126	POGZ	0.127112	2.53002	11.2176	11.3488	0.913072
3	hcs006d10	23126	POGZ	0.201501	1.87584	11.5637	11.2388	1.25261
5	hcs006d10	23126	POGZ	0.0646106	3.74086	12.084	11.4484	1.55358
7	hcs006d10	23126	POGZ	0.0870747	3.16341	11.5298	11.1611	1.29119
1	hcs006d11			0.261363	-1.5496	9.59204	9.21434	1.29927
5	hcs006d11			0.67756	0.481728	9.46517	9.30839	1.1148
1	hcs006e01	9810	RNF40	0.279039	1.47132	10.6245	10.8606	0.849051
3	hcs006e01	9810	RNF40	0.722668	0.40822	10.7439	10.6344	1.07884
5	hcs006e01	9810	RNF40	0.842401	-0.225699	10.841	10.9165	-1.05369
7	hcs006e01	9810	RNF40	0.19622	-1.91068	10.1271	10.4714	-1.26956
1	hcs006e03	221120	ALKBH3	0.818615	0.260844	9.97761	10.0178	0.972507
3	hcs006e03	221120	ALKBH3	0.0344336	5.24882	10.5714	10.2221	1.27389
5	hcs006e03	221120	ALKBH3	0.825893	0.250043	9.94543	9.91794	1.01924

1	hcs006e04	6206	RPS12	0.346397	-1.22131	9.71614	9.4873	1.17189
3	hcs006e04	6206	RPS12	0.762778	-0.34534	10.2812	10.3951	-1.08215
7	hcs006e04	6206	RPS12	0.451014	-0.928875	9.62948	9.67907	-1.03497
1	hcs006e05	3115	HLA-DPB1	0.663314	0.505668	13.2565	13.3246	0.953893
3	hcs006e05	3115	HLA-DPB1	0.0534321	-4.15079	13.2177	13.3074	-1.0642
5	hcs006e05	3115	HLA-DPB1	0.175644	-2.05948	13.1771	13.3015	-1.09008
7	hcs006e05	3115	HLA-DPB1	0.265686	-1.52985	12.9115	13.4164	-1.41906
1	hcs006e06	71	ACTG1	0.229481	1.70952	9.39461	9.74208	0.785961
3	hcs006e06	71	ACTG1	0.513855	-0.786738	9.66047	10.3914	-1.65972
5	hcs006e06	71	ACTG1	0.287718	-1.43514	9.51942	10.2863	-1.70158
7	hcs006e06	71	ACTG1	0.531385	-0.750193	9.02196	9.50454	-1.39724
3	hcs006e07	3295	HSD17B4	0.89634	-0.147391	14.8372	14.8871	-1.03524
5	hcs006e07	3295	HSD17B4	0.0988181	2.94034	14.8115	14.6135	1.14705
7	hcs006e07	3295	HSD17B4	0.751435	-0.362914	14.5353	14.6529	-1.08488
1	hcs006e09			0.474805	-0.8728	9.57037	9.28775	1.2164
3	hcs006e09			0.604665	0.608672	9.72387	9.53268	1.14171
5	hcs006e09			0.0009156	33.0238	9.89813	9.2244	1.59518
1	hcs006e10	6744	SSFA2	0.80012	0.288494	11.6723	11.7194	0.967902
3	hcs006e10	6744	SSFA2	0.428049	-0.98607	11.7215	11.8445	-1.08897
5	hcs006e10	6744	SSFA2	0.428748	-0.984281	11.7957	11.9411	-1.10601
7	hcs006e10	6744	SSFA2	0.0164345	-7.70401	11.1076	11.4611	-1.27772
1	hcs006e12	56997	ADCK3	0.30363	1.37222	10.0476	10.214	0.891084
3	hcs006e12	56997	ADCK3	0.884764	0.164061	10.2283	10.1887	1.02783
5	hcs006e12	56997	ADCK3	0.248628	1.61029	10.203	10.0248	1.13151
7	hcs006e12	56997	ADCK3	0.809612	-0.274266	9.93747	10.0212	-1.05975
1	hcs006f01	80313	LRRC27	0.613747	-0.592203	9.60962	9.49909	1.07962
3	hcs006f01	80313	LRRC27	0.0367534	-5.07126	10.0679	10.2469	-1.1321
5	hcs006f01	80313	LRRC27	0.354416	-1.1955	9.94673	10.1487	-1.1503
7	hcs006f01	80313	LRRC27	0.761627	-0.347117	9.38687	9.43099	-1.03105
5	hcs006f02	2052	EPHX1	0.90239	-0.138704	10.452	10.5154	-1.04495
1	hcs006f03	10376	TUBA1B	0.679268	0.478883	10.2786	10.4428	0.892405
3	hcs006f03	10376	TUBA1B	0.293242	1.41282	10.8304	10.5348	1.22739
5	hcs006f03	10376	TUBA1B	0.578607	-0.657134	10.6004	11.0136	-1.33171
7	hcs006f03	10376	TUBA1B	0.389545	1.08997	10.2137	9.84835	1.28822
1	hcs006f04	29	ABR	0.15298	-2.25349	14.5821	14.3553	1.17026
3	hcs006f04	29	ABR	0.374779	-1.13294	14.1024	14.3916	-1.22199
5	hcs006f04	29	ABR	0.362693	-1.16958	14.2704	14.5189	-1.18797
7	hcs006f04	29	ABR	0.0242146	-6.309	13.4106	14.5827	-2.2535
5	hcs006f05	476	ATP1A1	0.915597	-0.119791	10.3646	10.4158	-1.03616
1	hcs006f06	25948	KBTBD2	0.501406	-0.81344	11.643	11.6022	1.02871
3	hcs006f06	25948	KBTBD2	0.322733	1.30182	11.8984	11.6769	1.16597
5	hcs006f06	25948	KBTBD2	0.0911848	3.08069	11.9681	11.448	1.43409
7	hcs006f06	25948	KBTBD2	0.0186695	7.21581	11.3807	10.9255	1.371
1	hcs006f07			0.574445	0.665051	9.7599	9.89685	0.90944
3	hcs006f07			0.205925	-1.84757	9.9289	10.22	-1.22356
5	hcs006f07			0.304181	1.37011	10.0903	9.44439	1.56475
7	hcs006f07			0.205358	-1.85115	9.4561	9.62209	-1.12194

1	hcs006f08	1508	CTSB	0.51248	0.789655	9.66811	9.7393	0.951853
3	hcs006f08	1508	CTSB	0.125962	-2.54411	9.89992	10.1169	-1.16231
5	hcs006f08	1508	CTSB	0.0669297	3.66857	9.82715	9.48337	1.26907
7	hcs006f08	1508	CTSB	0.830012	-0.24395	9.56247	9.61082	-1.03408
1	hcs006f09	10628	TXNIP	0.909447	0.128589	12.4203	12.4346	0.99016
3	hcs006f09	10628	TXNIP	0.567534	-0.678312	12.305	12.3949	-1.06432
5	hcs006f09	10628	TXNIP	0.549168	0.714281	12.5712	12.4751	1.06893
7	hcs006f09	10628	TXNIP	0.18958	-1.95632	12.0221	12.3089	-1.21987
3	hcs006f10	6653	SORL1	0.0915166	-3.07424	10.1216	10.4337	-1.2415
5	hcs006f10	6653	SORL1	0.303074	-1.37434	9.91142	10.0406	-1.09368
7	hcs006f10	6653	SORL1	0.0308795	-5.55803	9.52167	9.70216	-1.13327
1	hcs006f12	10489	LRRC41	0.0146138	8.1812	11.617	11.7837	0.890899
3	hcs006f12	10489	LRRC41	0.323013	1.30083	11.8974	11.5578	1.26543
5	hcs006f12	10489	LRRC41	0.357206	1.18669	12.0919	11.8106	1.21532
7	hcs006f12	10489	LRRC41	0.0586277	-3.94612	10.8517	11.1355	-1.21737
1	hcs006g04	9877	ZC3H11A	0.625645	0.570933	10.2205	10.4095	0.877226
3	hcs006g04	9877	ZC3H11A	0.26333	1.54056	11.2777	10.8896	1.30867
5	hcs006g04	9877	ZC3H11A	0.410129	-1.03307	10.3983	10.6886	-1.22291
7	hcs006g04	9877	ZC3H11A	0.193297	-1.93051	10.0365	10.2178	-1.13393
1	hcs006g05	113419	TEX261	0.771385	-0.332106	10.4242	10.2965	1.09254
3	hcs006g05	113419	TEX261	0.538209	-0.736279	10.752	10.9707	-1.16366
5	hcs006g05	113419	TEX261	0.0585843	3.94772	11.0779	10.1317	1.92675
7	hcs006g05	113419	TEX261	0.983783	0.0229369	10.5244	10.5134	1.00765
1	hcs006g07	3059	HCLS1	0.8933	0.151762	9.3193	9.36891	0.966195
5	hcs006g07	3059	HCLS1	0.626274	0.569819	10.3549	10.2354	1.08638
1	hcs006g08	8502	PKP4	0.609754	0.59942	9.75149	9.83418	0.944297
3	hcs006g08	8502	PKP4	0.630351	0.562612	10.2235	10.0788	1.10554
5	hcs006g08	8502	PKP4	0.122363	2.5894	10.2802	9.61	1.59134
7	hcs006g08	8502	PKP4	0.0077049	11.3264	9.61032	9.325	1.21868
1	hcs006g11	9554	SEC22B	0.40818	-1.03832	9.93494	9.77486	1.11735
3	hcs006g11	9554	SEC22B	0.885992	-0.162289	10.037	10.0562	-1.01334
5	hcs006g11	9554	SEC22B	0.102518	2.87775	10.0567	9.71538	1.26689
7	hcs006g11	9554	SEC22B	0.461481	-0.903832	9.66643	9.71233	-1.03233
5	hcs006g12	51466	EVL	0.571541	0.670606	9.8069	9.69584	1.08002
1	hcs006h03	7249	TSC2	0.442901	0.948717	10.7885	10.96	0.887944
3	hcs006h03	7249	TSC2	0.794571	-0.296852	11.2357	11.2555	-1.01387
5	hcs006h03	7249	TSC2	0.535744	0.741286	11.1843	10.9753	1.15591
7	hcs006h03	7249	TSC2	0.786176	0.309553	10.4035	10.3759	1.01936
1	hcs006h05	10933	MORF4L1	0.0996343	-2.92625	11.3453	10.9212	1.34178
3	hcs006h05	10933	MORF4L1	0.127526	2.52499	11.4752	11.0899	1.30614
5	hcs006h05	10933	MORF4L1	0.0840048	3.22893	11.6293	11.0226	1.52274
7	hcs006h05	10933	MORF4L1	0.159549	2.19341	10.7843	10.4278	1.28031
1	hcs006h06	5627	PROS1	0.51566	0.782919	10.5617	10.6375	0.948813
3	hcs006h06	5627	PROS1	0.788039	-0.306727	10.9863	11.0177	-1.02203
5	hcs006h06	5627	PROS1	0.69923	0.446004	10.8105	10.7589	1.03637
7	hcs006h06	5627	PROS1	0.591682	-0.632586	10.1894	10.277	-1.06259
5	hcs006h07	10552	ARPC1A	0.163893	2.1555	10.2972	9.85133	1.36215

7	hcs006h07	10552	ARPC1A	0.769232	0.335408	9.99592	9.84175	1.11278
1	hcs006h08	8775	NAPA	0.981426	0.0262722	10.7398	10.7467	0.99525
3	hcs006h08	8775	NAPA	0.667539	0.498529	11.196	10.9916	1.15221
5	hcs006h08	8775	NAPA	0.49474	0.82801	11.141	10.8849	1.19425
7	hcs006h08	8775	NAPA	0.906131	0.13334	10.3486	10.3299	1.01304
5	hcs006h09	5358	PLS3	0.478363	0.864666	10.0166	9.84385	1.12721
1	hcs006h10	8291	DYSF	0.329858	1.27686	9.79859	10.2453	0.733728
3	hcs006h10	8291	DYSF	0.644129	-0.538533	10.2769	10.3389	-1.0439
5	hcs006h10	8291	DYSF	0.561299	0.6904	10.1219	10.03	1.06579
1	hcs007a01	54499	TMCO1	0.339695	1.24343	9.99715	10.0135	0.988747
3	hcs007a01	54499	TMCO1	0.122702	2.58506	10.5785	10.4046	1.12808
5	hcs007a01	54499	TMCO1	0.0017600	23.805	10.529	10.2731	1.19407
7	hcs007a01	54499	TMCO1	0.354189	1.19623	10.0405	9.69049	1.27453
1	hcs007a02	81	ACTN4	0.740203	0.380472	10.182	10.2862	0.930314
3	hcs007a02	81	ACTN4	0.393819	1.07788	10.8382	10.5281	1.23983
5	hcs007a02	81	ACTN4	0.618055	-0.584464	9.98857	10.3269	-1.26432
7	hcs007a02	81	ACTN4	0.917234	-0.117452	9.82145	9.84887	-1.01919
1	hcs007a03	3098	HK1	0.0509008	4.26135	10.8991	11.0287	0.914106
3	hcs007a03	3098	HK1	0.0736074	3.47918	11.3353	11.0455	1.22244
5	hcs007a03	3098	HK1	0.320811	1.30867	11.4103	11.1898	1.16514
7	hcs007a03	3098	HK1	0.809765	0.274037	10.7132	10.6603	1.0374
1	hcs007a06	7132	TNFRSF1A	0.891101	-0.154928	10.4449	10.4146	1.02121
3	hcs007a06	7132	TNFRSF1A	0.37113	1.14385	11.04	10.7633	1.21147
5	hcs007a06	7132	TNFRSF1A	0.655175	-0.51952	10.4452	10.5646	-1.08631
7	hcs007a06	7132	TNFRSF1A	0.416865	-1.01514	9.7597	10.0677	-1.23798
1	hcs007a08	55114	ARHGAP17	0.577793	0.658678	9.96926	10.0504	0.945343
3	hcs007a08	55114	ARHGAP17	0.310198	1.34742	10.6869	10.3237	1.28628
5	hcs007a08	55114	ARHGAP17	0.306474	1.3614	10.3707	10.1734	1.14658
7	hcs007a08	55114	ARHGAP17	0.992129	-0.0111317	9.6605	9.66403	-1.00245
1	hcs007a09	55726	C12orf11	0.132202	-2.46973	10.253	10.1499	1.07405
3	hcs007a09	55726	C12orf11	0.461263	0.904348	10.7129	10.5381	1.12878
5	hcs007a09	55726	C12orf11	0.359175	-1.18051	10.0169	10.1768	-1.11717
7	hcs007a09	55726	C12orf11	0.618977	-0.582813	9.47263	9.66418	-1.14199
1	hcs007a10			0.217879	-1.77506	11.1886	10.7709	1.33582
3	hcs007a10			0.233437	1.68816	11.6285	10.8726	1.68877
5	hcs007a10			0.166516	2.13327	11.4934	10.6958	1.73822
7	hcs007a10			0.054006	4.12678	10.863	10.1562	1.63219
1	hcs007a12	3488	IGFBP5	0.640056	0.545608	10.2098	10.2995	0.93969
3	hcs007a12	3488	IGFBP5	0.757615	0.35332	10.7468	10.6543	1.06622
5	hcs007a12	3488	IGFBP5	0.431157	0.978137	10.4484	10.1743	1.20929
7	hcs007a12	3488	IGFBP5	0.698872	-0.446589	9.94316	10.1172	-1.12823
1	hcs007b04	133746	JMY	0.166605	-2.13253	10.2166	9.89025	1.25383
3	hcs007b04	133746	JMY	0.613519	-0.592615	10.0748	10.1779	-1.07411
5	hcs007b04	133746	JMY	0.231578	1.69814	10.2745	10.1448	1.09401
7	hcs007b04	133746	JMY	0.973989	-0.0367971	9.75423	9.75757	-1.00232
1	hcs007b06	1477	CSTF1	0.668035	-0.497692	13.1049	13.0602	1.03149
3	hcs007b06	1477	CSTF1	0.860088	-0.19983	12.8424	12.8653	-1.016

5	hcs007b06	1477	CSTF1	0.631918	-0.559852	13.033	13.119	-1.06137
7	hcs007b06	1477	CSTF1	0.288164	-1.43332	12.8335	13.0177	-1.13619
5	hcs007b07	57326	PBXIP1	0.638705	-0.547963	9.29602	9.59307	-1.22862
1	hcs007b11			0.0872426	-3.15992	10.1476	9.80822	1.26521
3	hcs007b11			0.430556	0.979668	9.62332	9.56898	1.03838
5	hcs007b11			0.336605	-1.2538	9.69143	9.81315	-1.08803
3	hcs007c01	665	BNIP3L	0.154185	-2.2422	9.47709	9.99068	-1.42759
5	hcs007c01	665	BNIP3L	0.466134	0.892891	9.75707	9.31812	1.35562
7	hcs007c01	665	BNIP3L	0.875592	-0.177317	9.3519	9.36189	-1.00695
1	hcs007c02	203068	TUBB	0.0599326	3.89883	9.75268	10.1887	0.739161
3	hcs007c02	203068	TUBB	0.566697	-0.679928	10.305	10.6245	-1.24788
5	hcs007c02	203068	TUBB	0.186145	1.98077	10.8133	10.3429	1.38553
7	hcs007c02	203068	TUBB	0.570318	-0.672952	9.94061	10.2113	-1.20641
1	hcs007c03	10922	FASTK	0.0618575	-3.83173	13.1935	12.9377	1.194
3	hcs007c03	10922	FASTK	0.471196	-0.881116	12.6999	12.8602	-1.11755
5	hcs007c03	10922	FASTK	0.368416	-1.15205	12.8367	13.0134	-1.1303
7	hcs007c03	10922	FASTK	0.0349122	-5.21077	11.7292	12.5581	-1.77629
1	hcs007c04	25831	HECTD1	0.329667	-1.27752	10.0636	9.69589	1.2903
3	hcs007c04	25831	HECTD1	0.445056	-0.943407	9.9673	10.3683	-1.3204
5	hcs007c04	25831	HECTD1	0.0897235	3.10948	10.1033	9.79818	1.23552
5	hcs007c05	8916	HERC3	0.350166	1.20909	9.97073	9.59406	1.29834
1	hcs007c10	5034	P4HB	0.638115	-0.548992	10.3501	10.2764	1.05239
3	hcs007c10	5034	P4HB	0.743061	0.37599	10.5203	10.3492	1.12589
5	hcs007c10	5034	P4HB	0.0967893	2.9761	10.933	10.3214	1.52795
7	hcs007c10	5034	P4HB	0.775065	0.326472	10.2802	10.2035	1.05461
1	hcs007c11	6764	ST5	0.157686	2.21009	12.7604	13.3357	0.671162
3	hcs007c11	6764	ST5	0.0430972	-4.65987	12.8381	13.1247	-1.21976
5	hcs007c11	6764	ST5	0.459868	-0.907653	13.3812	13.6743	-1.22533
7	hcs007c11	6764	ST5	0.0880016	-3.14427	12.6822	13.201	-1.43276
5	hcs007d03	9921	RNF10	0.464169	-0.897497	9.37243	9.44305	-1.05017
5	hcs007d05	400451	FAM174B	0.682422	-0.473643	8.99033	9.00345	-1.00914
5	hcs007d09			0.114609	-2.69364	9.04333	9.32372	-1.21453
1	hcs007d10	11018	TMED1	0.914832	-0.120885	12.9153	12.9047	1.00735
3	hcs007d10	11018	TMED1	0.786827	-0.308564	12.6215	12.6517	-1.02113
5	hcs007d10	11018	TMED1	0.935873	0.0908765	12.8596	12.835	1.0172
7	hcs007d10	11018	TMED1	0.359779	-1.17862	12.0807	12.3225	-1.18247
1	hcs007d12	10211	FLOT1	0.0546272	4.10121	10.4875	10.964	0.718719
3	hcs007d12	10211	FLOT1	0.821762	-0.256168	10.8006	10.8589	-1.04119
5	hcs007d12	10211	FLOT1	0.610569	0.597943	10.9778	10.8326	1.10594
7	hcs007d12	10211	FLOT1	0.581989	-0.650737	10.3352	10.4621	-1.09195
1	hcs007e01	201501	ZBTB7C	0.832931	-0.23964	9.78707	9.7828	1.00297
3	hcs007e01	201501	ZBTB7C	0.965784	-0.0484168	10.5006	10.5075	-1.00478
5	hcs007e01	201501	ZBTB7C	0.489215	0.840236	10.2328	10.1602	1.05157
1	hcs007e03	79754	ASB13	0.596093	-0.62441	10.1967	10.1273	1.04928
3	hcs007e03	79754	ASB13	0.479632	0.861782	10.3995	10.253	1.10689
5	hcs007e03	79754	ASB13	0.11693	2.66142	10.5068	9.96847	1.45228
7	hcs007e03	79754	ASB13	0.194953	1.91923	9.79933	9.64235	1.11496



1	hcs007e07	6520	SLC3A2	0.0066187	12.2306	10.3327	11.3245	0.502838
3	hcs007e07	6520	SLC3A2	0.359621	-1.17912	10.8013	11.1725	-1.29346
5	hcs007e07	6520	SLC3A2	0.577974	0.658335	11.4239	11.2166	1.1545
7	hcs007e07	6520	SLC3A2	0.72581	0.403216	10.9788	10.8596	1.08608
1	hcs007e08	5918	RARRES1	0.923538	0.108451	10.3593	10.4046	0.969102
3	hcs007e08	5918	RARRES1	0.342896	1.2328	10.5934	10.2022	1.31155
5	hcs007e08	5918	RARRES1	0.651387	0.526012	10.5438	10.4083	1.0985
7	hcs007e08	5918	RARRES1	0.822188	-0.255536	9.85483	9.9259	-1.0505
1	hcs007f01	60685	ZFAND3	0.612832	-0.593853	10.0148	9.9066	1.07788
3	hcs007f01	60685	ZFAND3	0.761755	0.346919	10.2865	10.1504	1.09889
5	hcs007f01	60685	ZFAND3	0.0337181	5.30719	10.3904	9.84389	1.46051
7	hcs007f01	60685	ZFAND3	0.426616	-0.989747	9.85148	9.94949	-1.0703
1	hcs007f02	6812	STXBP1	0.746111	-0.371217	9.76557	9.62992	1.09859
3	hcs007f02	6812	STXBP1	0.126781	-2.53406	9.6308	10.1716	-1.45479
5	hcs007f02	6812	STXBP1	0.179883	2.02697	10.0321	9.43384	1.51384
1	hcs007f07	11234	HPS5	0.507461	-0.800371	9.84335	9.72694	1.08404
3	hcs007f07	11234	HPS5	0.466417	0.892229	10.11	9.97864	1.0953
5	hcs007f07	11234	HPS5	0.0129616	8.69793	10.0442	9.55658	1.4021
7	hcs007f07	11234	HPS5	0.671702	0.491527	9.43871	9.35975	1.05626
1	hcs007f12	23396	PIP5K1C	0.539094	-0.734486	9.9045	9.70962	1.14463
3	hcs007f12	23396	PIP5K1C	0.294323	-1.40851	9.41286	9.77786	-1.28788
5	hcs007f12	23396	PIP5K1C	0.363385	-1.16744	9.60455	9.76433	-1.11712
7	hcs007f12	23396	PIP5K1C	0.809515	0.274411	9.29396	9.27095	1.01608
3	hcs007g03	10084	PQBP1	0.0016285	24.75	10.166	9.90521	1.19815
5	hcs007g03	10084	PQBP1	0.2297	1.70832	10.7557	10.1214	1.55218
1	hcs007g06	3454	IFNAR1	0.335154	1.25871	11.0291	11.6047	0.671023
3	hcs007g06	3454	IFNAR1	0.503742	0.808379	12.2934	11.9873	1.23636
5	hcs007g06	3454	IFNAR1	0.740082	0.380662	12.0071	11.8128	1.14422
7	hcs007g06	3454	IFNAR1	0.261281	-1.54998	10.939	11.555	-1.53253
5	hcs007g08			0.117919	2.64796	10.084	9.56848	1.42956
5	hcs007g10	27034	ACAD8	0.163952	-2.15499	8.63141	9.28992	-1.57845
5	hcs007g11	8729	GBF1	0.309077	1.3516	9.31799	8.99148	1.25397
1	hcs007g12	26133	TRPC4AP	0.121373	2.60218	9.52095	9.64461	0.917854
3	hcs007g12	26133	TRPC4AP	0.646152	-0.535031	9.78748	9.94038	-1.11181
5	hcs007g12	26133	TRPC4AP	0.195885	1.91294	9.69742	9.56237	1.09814
7	hcs007g12	26133	TRPC4AP	0.900205	0.14184	9.29501	9.28795	1.0049
1	hcs007h01	4191	MDH2	0.869196	-0.186588	9.3656	9.34257	1.01609
3	hcs007h01	4191	MDH2	0.775017	0.326545	9.73566	9.68805	1.03355
5	hcs007h01	4191	MDH2	0.50184	0.812497	9.81466	9.57058	1.18434
1	hcs007h02	6144	RPL21	0.103172	2.867	9.96383	10.1992	0.849459
5	hcs007h02	6144	RPL21	0.17947	2.03009	10.7864	10.1891	1.51282
7	hcs007h02	6144	RPL21	0.737286	0.385059	10.2369	10.1548	1.0586
1	hcs007h03	?	?	0.830298	0.243528	10.8556	10.9127	0.961195
3	hcs007h03	?	?	0.322386	-1.30306	11.0165	11.1292	-1.08127
5	hcs007h03	?	?	0.679464	-0.478557	10.8519	10.8992	-1.03328
7	hcs007h03	?	?	0.430259	-0.980424	10.1363	10.5458	-1.32815
5	hcs007h05	56912	IFT46	0.106177	-2.81891	8.64817	8.83402	-1.13748

5	hcs008a01	5176	SERPINF1	0.525066	0.763228	10.3212	10.2287	1.06617
1	hcs008a04	10274	STAG1	0.536121	-0.740518	9.90183	9.81542	1.06172
3	hcs008a04	10274	STAG1	0.996224	0.0053398	10.4449	10.4435	1.00097
5	hcs008a04	10274	STAG1	0.0353407	5.17735	9.86756	9.70724	1.11753
7	hcs008a04	10274	STAG1	0.54834	0.715929	9.62821	9.58572	1.02989
1	hcs008a10			0.245642	-1.62511	10.2053	10.0047	1.14921
3	hcs008a10			0.809122	0.274998	10.4218	10.3117	1.07936
5	hcs008a10			0.20609	1.84653	10.439	10.1235	1.24442
7	hcs008a10			0.0867982	3.16917	9.9078	9.74973	1.11579
1	hcs008b02	3276	PRMT1	0.0520651	4.20952	10.3192	10.5956	0.82563
3	hcs008b02	3276	PRMT1	0.598457	-0.620051	10.5898	10.7867	-1.14621
5	hcs008b02	3276	PRMT1	0.115633	2.67931	10.9378	10.5917	1.27115
7	hcs008b02	3276	PRMT1	0.820236	-0.258434	10.3197	10.3515	-1.02227
1	hcs008b03	51035	UBXN1	0.830493	-0.243239	9.8974	9.84704	1.03552
3	hcs008b03	51035	UBXN1	0.445199	-0.943056	9.9521	10.1003	-1.10817
5	hcs008b03	51035	UBXN1	0.414312	-1.0219	8.93688	9.1075	-1.12554
1	hcs008b04	11153	FICD	0.0069465	-11.9356	10.0664	9.79714	1.20519
3	hcs008b04	11153	FICD	0.557945	0.696956	10.3718	10.2283	1.10457
5	hcs008b04	11153	FICD	0.122578	2.58664	10.1943	9.87558	1.24722
7	hcs008b04	11153	FICD	0.078443	-3.35686	9.59203	9.8479	-1.19405
1	hcs008b05	23254	KAZN	0.0090341	-10.4495	9.9204	9.87308	1.03334
3	hcs008b05	23254	KAZN	0.602821	0.612041	10.1022	9.9876	1.08265
5	hcs008b05	23254	KAZN	0.239755	1.655	10.201	9.89617	1.23526
7	hcs008b05	23254	KAZN	0.171633	2.09125	9.95052	9.65821	1.2246
1	hcs008b08	27018	NGFRAP1	0.347883	-1.21648	9.82679	9.38549	1.35782
3	hcs008b08	27018	NGFRAP1	0.922156	-0.110423	9.5707	9.61506	-1.03122
5	hcs008b08	27018	NGFRAP1	0.0273394	5.92319	9.82821	9.33554	1.40704
1	hcs008b10	7094	TLN1	0.947356	-0.0745538	10.1687	10.1565	1.00851
3	hcs008b10	7094	TLN1	0.9397	0.0854328	10.1702	10.1434	1.01872
5	hcs008b10	7094	TLN1	0.0571378	4.00203	10.6912	10.0947	1.51211
7	hcs008b10	7094	TLN1	0.760537	0.348799	9.93067	9.8563	1.0529
1	hcs008b11	64426	SUDS3	0.179641	-2.02879	9.8622	9.49101	1.29342
5	hcs008b11	64426	SUDS3	0.0671927	3.66059	10.0516	9.64368	1.32677
1	hcs008b12	92595	ZNF764	0.253795	1.5852	10.5684	10.897	0.796309
3	hcs008b12	92595	ZNF764	0.418824	1.00999	10.8765	10.5974	1.21344
5	hcs008b12	92595	ZNF764	0.325437	1.29227	10.9751	10.7705	1.15237
7	hcs008b12	92595	ZNF764	0.972646	0.0386988	10.3394	10.3361	1.00228
1	hcs008c03	10273	STUB1	0.49514	-0.827131	11.7168	11.5516	1.12132
3	hcs008c03	10273	STUB1	0.421694	1.00249	12.1108	11.8647	1.186
5	hcs008c03	10273	STUB1	0.337782	-1.24984	11.5498	11.7858	-1.17772
7	hcs008c03	10273	STUB1	0.321929	-1.30468	11.3188	11.6635	-1.26986
1	hcs008c05	7376	NR1H2	0.750122	-0.364958	10.76	10.5782	1.1343
3	hcs008c05	7376	NR1H2	0.919144	-0.114724	11.0986	11.1239	-1.01774
5	hcs008c05	7376	NR1H2	0.846585	0.219561	10.2741	10.1935	1.05751
5	hcs008c08	8667	EIF3H	0.440762	0.954011	11.4719	11.0534	1.33648
5	hcs008c09	10983	CCNI	0.573574	0.666713	10.0732	9.86851	1.1524
1	hcs008c10	54921	CHTF8	0.711769	0.425686	10.0239	10.1403	0.922472

3	hcs008c10	54921	CHTF8	0.472489	0.87813	10.5904	10.5196	1.05027
5	hcs008c10	54921	CHTF8	0.198187	-1.89756	10.303	10.3326	-1.02074
7	hcs008c10	54921	CHTF8	0.233994	-1.68519	9.65218	10.0958	-1.35999
1	hcs008c11	55558	PLXNA3	0.576845	0.660478	10.5078	10.7611	0.838995
3	hcs008c11	55558	PLXNA3	0.658321	-0.514151	10.8562	10.9096	-1.03771
5	hcs008c11	55558	PLXNA3	0.773682	0.328588	10.9745	10.9221	1.03696
7	hcs008c11	55558	PLXNA3	0.650833	-0.526964	10.3028	10.3891	-1.06166
1	hcs008d01	56904	SH3GLB2	0.910664	0.126847	12.4121	12.434	0.984912
3	hcs008d01	56904	SH3GLB2	0.31992	1.31186	12.7773	12.3848	1.3127
5	hcs008d01	56904	SH3GLB2	0.0306129	5.58334	13.0936	12.391	1.6274
7	hcs008d01	56904	SH3GLB2	0.42484	0.994325	12.808	12.5161	1.2242
1	hcs008d02	65251	ZNF649	0.593456	-0.629291	10.8731	10.8265	1.0328
3	hcs008d02	65251	ZNF649	0.496292	0.824601	11.0898	10.8944	1.14509
5	hcs008d02	65251	ZNF649	0.0024127	20.3218	11.7761	10.8937	1.84335
7	hcs008d02	65251	ZNF649	0.486297	0.846752	11.0333	10.768	1.2019
3	hcs008d03	6224	RPS20	0.594932	-0.626557	9.97379	10.0635	-1.06415
5	hcs008d03	6224	RPS20	0.0279211	5.85852	9.9812	9.77732	1.15179
1	hcs008d05	115572	FAM46B	0.771239	0.33233	11.2534	11.3022	0.966762
3	hcs008d05	115572	FAM46B	0.349325	1.21181	11.5252	11.4582	1.04758
5	hcs008d05	115572	FAM46B	0.634313	-0.555645	11.3818	11.4238	-1.02954
7	hcs008d05	115572	FAM46B	0.493245	-0.831304	10.865	11.0843	-1.16415
1	hcs008e01	3105	HLA-A	0.405162	-1.04651	12.9534	12.8146	1.10099
3	hcs008e01	3105	HLA-A	0.703436	0.439161	12.7771	12.7472	1.02092
5	hcs008e01	3105	HLA-A	0.953014	0.0665211	12.816	12.8021	1.00966
7	hcs008e01	3105	HLA-A	0.280824	-1.46377	12.4071	12.6951	-1.22095
1	hcs008e02	51520	LARS	0.796238	0.294338	12.6534	12.6875	0.976618
3	hcs008e02	51520	LARS	0.610062	0.598861	12.5433	12.4711	1.05127
5	hcs008e02	51520	LARS	0.792382	0.300157	12.6657	12.576	1.06415
7	hcs008e02	51520	LARS	0.261787	-1.54764	12.1517	12.4389	-1.22027
1	hcs008e03	533	ATP6V0B	0.229117	1.71151	12.2768	12.5208	0.844401
3	hcs008e03	533	ATP6V0B	0.839365	-0.230161	12.2158	12.2384	-1.01584
5	hcs008e03	533	ATP6V0B	0.557156	0.698501	12.5515	12.3635	1.13921
7	hcs008e03	533	ATP6V0B	0.619033	-0.582711	12.2216	12.343	-1.08779
3	hcs008e04	83643	CCDC3	0.272521	1.49944	11.1575	10.8579	1.23082
1	hcs008e05	7178	TPT1	0.21549	-1.78913	10.4597	10.1117	1.2728
3	hcs008e05	7178	TPT1	0.0537408	4.13783	10.6945	10.2215	1.38801
5	hcs008e05	7178	TPT1	0.0367538	5.07123	10.4745	10.1326	1.26742
7	hcs008e05	7178	TPT1	0.325111	1.29342	9.83172	9.74507	1.0619
1	hcs008e09	?	?	0.0795224	3.33103	11.7942	12.2845	0.711877
3	hcs008e09	?	?	0.428319	-0.985378	11.9485	12.0639	-1.08325
5	hcs008e09	?	?	0.552907	0.706868	12.4825	12.3016	1.13354
7	hcs008e09	?	?	0.47917	-0.86283	11.6541	11.7827	-1.09326
1	hcs008e10	9349	RPL23	0.0450293	-4.55184	10.4852	9.90878	1.49115
3	hcs008e10	9349	RPL23	0.603167	0.611408	10.451	10.2118	1.18035
5	hcs008e10	9349	RPL23	0.0092790	10.3088	10.4414	9.81523	1.54347
7	hcs008e10	9349	RPL23	0.595222	0.626021	9.91881	9.70469	1.16
1	hcs008e12	7538	ZFP36	0.829468	0.244754	12.2418	12.2928	0.965267

3	hcs008e12	7538	ZFP36	0.498944	-0.818798	11.8049	11.9369	-1.09584
5	hcs008e12	7538	ZFP36	0.0999908	-2.92014	12.2209	12.3798	-1.11644
7	hcs008e12	7538	ZFP36	0.444107	-0.945742	11.7002	12.1156	-1.33367
1	hcs008f03	51226	COPZ2	0.224668	-1.73617	10.0186	9.53006	1.40302
3	hcs008f03	51226	COPZ2	0.469799	-0.884351	9.86181	10.1384	-1.21133
5	hcs008f03	51226	COPZ2	0.166261	2.13541	10.04	9.53418	1.41989
7	hcs008f03	51226	COPZ2	0.669225	0.495688	9.65928	9.64329	1.01115
1	hcs008g01	4055	LTBR	0.46183	0.903007	11.1286	11.4351	0.80862
3	hcs008g01	4055	LTBR	0.147105	2.31031	11.6627	11.4338	1.17197
5	hcs008g01	4055	LTBR	0.184217	1.99477	11.9387	11.4417	1.41134
7	hcs008g01	4055	LTBR	0.664961	0.502881	11.3792	11.2443	1.09802
3	hcs008g02	54914	KIAA1797	0.509343	0.79634	10.2121	10.1197	1.06618
5	hcs008g02	54914	KIAA1797	0.707544	-0.432505	10.2728	10.4155	-1.10392
5	hcs008g03	1299	COL9A3	0.997282	-0.0038433	10.8076	10.8098	-1.00152
1	hcs008g07	64418	TMEM168	0.78877	-0.30562	10.9463	10.8928	1.0378
3	hcs008g07	64418	TMEM168	0.0479414	4.40126	11.4069	10.803	1.51985
5	hcs008g07	64418	TMEM168	0.120508	2.61348	11.3459	10.7508	1.51051
7	hcs008g07	64418	TMEM168	0.0670819	3.66395	10.7797	10.4947	1.21841
1	hcs008h01			0.0890141	-3.12369	9.57235	9.1521	1.33816
5	hcs008h01			0.195625	1.91469	9.80175	9.0548	1.67824
7	hcs008h01			0.115504	2.68111	9.70185	9.277	1.34243
1	hcs008h06	1479	CSTF3	0.543121	0.726367	10.4581	10.7221	0.832776
3	hcs008h06	1479	CSTF3	0.0161372	7.77642	11.3108	10.7871	1.43767
5	hcs008h06	1479	CSTF3	0.106609	2.81215	11.5583	10.7935	1.69906
7	hcs008h06	1479	CSTF3	0.276016	1.48426	11.0841	10.3454	1.66867
1	hcs008h07	23360	FNBP4	0.232184	1.69487	10.0853	10.4793	0.76104
3	hcs008h07	23360	FNBP4	0.600693	0.615942	10.8003	10.6092	1.14163
5	hcs008h07	23360	FNBP4	0.232178	1.69491	10.8007	10.5764	1.16821
7	hcs008h07	23360	FNBP4	0.488593	-0.841623	10.1208	10.2677	-1.10714
1	hcs008h12	1499	CTNNB1	0.464208	-0.897406	10.0802	9.98322	1.06953
3	hcs008h12	1499	CTNNB1	0.7241	0.405938	9.86297	9.6818	1.13381
5	hcs008h12	1499	CTNNB1	0.126187	2.54134	9.98122	9.67758	1.23425
3	hcs009a03	81876	RAB1B	0.270007	1.51051	9.97046	9.61921	1.27567
5	hcs009a03	81876	RAB1B	0.30285	1.3752	9.35934	9.07339	1.21921
1	hcs009a04	4637	MYL6	0.59556	0.625395	10.6295	10.7836	0.898693
3	hcs009a04	4637	MYL6	0.457183	0.914043	11.0436	10.7607	1.21664
5	hcs009a04	4637	MYL6	0.134821	2.43996	11.3312	10.6745	1.57651
7	hcs009a04	4637	MYL6	0.0125059	8.85806	10.6396	10.4711	1.12392
3	hcs009a05	27163	NAAA	0.0758508	3.42104	11.9923	11.539	1.36917
5	hcs009a05	27163	NAAA	0.808423	-0.276044	11.13	11.1812	-1.03615
7	hcs009a05	27163	NAAA	0.0784783	-3.35601	11.1607	11.4067	-1.18594
1	hcs009a08	1974	EIF4A2	0.953294	0.066124	11.4083	11.4229	0.989931
3	hcs009a08	1974	EIF4A2	0.0794375	3.33304	12.0272	11.3974	1.54735
5	hcs009a08	1974	EIF4A2	0.106317	2.81673	12.0252	11.3722	1.57251
7	hcs009a08	1974	EIF4A2	0.0395504	4.87794	11.5122	11.2996	1.15875
1	hcs009a09	3992	FADS1	0.474645	0.873168	9.65047	10.1895	0.688248
3	hcs009a09	3992	FADS1	0.394934	1.07475	10.4717	10.0111	1.37608

5	hcs009a09	3992	FADS1	0.162852	-2.16446	9.98566	10.1404	-1.11323
5	hcs009b02	23753	SDF2L1	0.667651	0.49834	11.3336	11.1117	1.16624
1	hcs009b03	51310	SLC22A17	0.44353	0.947164	9.66812	9.82771	0.895278
3	hcs009b03	51310	SLC22A17	0.461248	-0.904382	10.1796	10.3414	-1.11872
5	hcs009b03	51310	SLC22A17	0.38826	-1.09364	10.0168	10.2048	-1.13912
1	hcs009b06	?	?	0.119588	-2.62561	10.7313	10.2876	1.36009
3	hcs009b06	?	?	0.929864	-0.0994318	10.7354	10.7724	-1.02593
5	hcs009b06	?	?	0.508003	0.799209	10.5664	10.4277	1.10092
1	hcs009b08	7763	ZFAND5	0.0540411	4.12532	11.5475	12.4332	0.541212
3	hcs009b08	7763	ZFAND5	0.655662	-0.518687	11.9896	12.077	-1.06243
5	hcs009b08	7763	ZFAND5	0.0578297	3.97581	12.6783	12.4942	1.13606
7	hcs009b08	7763	ZFAND5	0.796982	-0.293217	11.6576	11.7219	-1.04555
1	hcs009b11	55616	ASAP3	0.422014	1.00165	10.6365	10.8545	0.859757
3	hcs009b11	55616	ASAP3	0.612397	0.594638	10.8929	10.7192	1.12795
5	hcs009b11	55616	ASAP3	0.167818	2.12241	11.1212	10.9015	1.16449
7	hcs009b11	55616	ASAP3	0.63253	-0.558776	10.3089	10.3814	-1.05151
5	hcs009c01	?	?	0.556226	0.700327	9.70966	9.44988	1.1973
1	hcs009c03	10160	FARP1	0.129749	2.49837	10.211	10.5751	0.776935
3	hcs009c03	10160	FARP1	0.9092	0.128943	10.4351	10.4082	1.01883
5	hcs009c03	10160	FARP1	0.0729629	-3.49636	10.6533	10.8489	-1.1452
1	hcs009c05	3300	DNAJB2	0.209414	-1.82584	9.63925	9.42376	1.1611
3	hcs009c05	3300	DNAJB2	0.679425	0.478621	9.70931	9.61918	1.06447
5	hcs009c05	3300	DNAJB2	0.0756541	-3.42603	9.77048	9.78053	-1.00699
5	hcs009c07	?	?	0.661331	0.509031	9.94959	9.77429	1.12919
5	hcs009c08	51477	ISYNA1	0.0633691	3.78113	9.97584	9.59296	1.30394
1	hcs009c10	7531	YWHAE	0.0073063	11.6349	9.78896	10.2766	0.713196
3	hcs009c10	7531	YWHAE	0.132499	-2.46632	10.1858	10.5089	-1.25098
5	hcs009c10	7531	YWHAE	0.397269	-1.06823	10.2951	10.539	-1.18412
7	hcs009c10	7531	YWHAE	0.0342017	-5.26754	9.56689	9.96701	-1.31962
1	hcs009c11	2926	GRSF1	0.395243	1.07389	10.5483	10.6685	0.920081
3	hcs009c11	2926	GRSF1	0.779548	-0.31963	10.5944	10.6418	-1.0334
5	hcs009c11	2926	GRSF1	0.419541	1.00811	10.9704	10.8245	1.10645
7	hcs009c11	2926	GRSF1	0.348236	-1.21533	10.0966	10.3517	-1.19347
3	hcs009c12	4245	MGAT1	0.74223	-0.377293	9.53762	9.66541	-1.09262
5	hcs009c12	4245	MGAT1	0.462119	-0.902326	9.46353	9.60738	-1.10485
1	hcs009d01	115290	FBXO17	0.421173	1.00384	9.86802	10.0623	0.874019
3	hcs009d01	115290	FBXO17	0.266117	-1.5279	10.236	10.412	-1.12982
5	hcs009d01	115290	FBXO17	0.139179	-2.39215	10.1067	10.4408	-1.26051
1	hcs009d05	3134	HLA-F	0.589123	-0.637352	10.2296	10.0782	1.11061
3	hcs009d05	3134	HLA-F	0.584506	0.645998	10.8952	10.7822	1.08142
5	hcs009d05	3134	HLA-F	0.0736429	3.47824	10.3188	9.69284	1.54324
7	hcs009d05	3134	HLA-F	0.515165	0.783965	9.92544	9.77022	1.1136
1	hcs009d06	1152	CKB	0.15179	2.26476	11.0596	11.51	0.731857
3	hcs009d06	1152	CKB	0.960903	-0.0553332	11.3196	11.3314	-1.00817
5	hcs009d06	1152	CKB	0.526507	0.760242	11.5936	11.4196	1.12818
7	hcs009d06	1152	CKB	0.528772	-0.755565	10.908	11.0504	-1.10371
3	hcs009d09	23341	DNAJC16	0.394188	1.07685	9.93273	9.70768	1.16882

5	hcs009d09	23341	DNAJC16	0.100708	2.90796	9.55081	9.27605	1.2098
1	hcs009d12	152742	LOC1527420.0676549	-3.6467	9.97106	9.54715	1.34156	
3	hcs009d12	152742	LOC1527420.596498	0.623663	9.95726	9.76747	1.1406	
5	hcs009d12	152742	LOC1527420.100164	2.91718	10.0695	9.84234	1.17054	
5	hcs009e04	6136	RPL12	0.383325	1.10784	9.48709	9.08349	1.3228
1	hcs009e05	9927	MFN2	0.487447	0.844179	12.2716	12.5537	0.822412
3	hcs009e05	9927	MFN2	0.554899	-0.702939	12.2843	12.4261	-1.10326
5	hcs009e05	9927	MFN2	0.367341	-1.15532	12.5342	12.6907	-1.11455
7	hcs009e05	9927	MFN2	0.201068	-1.87865	12.0909	12.5494	-1.37408
1	hcs009e08	?	?	0.436452	0.964766	9.77705	9.85589	0.946818
3	hcs009e08	?	?	0.995976	0.0056905	10.0898	10.089	1.00058
5	hcs009e08	?	?	0.188826	1.96163	10.4989	9.99156	1.42146
7	hcs009e08	?	?	0.301819	1.37917	9.97906	9.66728	1.24124
1	hcs009e10	56654	NPDC1	0.616244	-0.587712	11.6897	11.5323	1.1153
3	hcs009e10	56654	NPDC1	0.480696	0.859367	11.424	11.2314	1.14285
5	hcs009e10	56654	NPDC1	0.193639	1.92817	11.8635	11.6085	1.19334
7	hcs009e10	56654	NPDC1	0.856283	-0.205379	11.3565	11.3996	-1.03033
5	hcs009f01	3123	HLA-DRB1	0.242143	1.64276	9.78568	9.38673	1.31855
3	hcs009f02			0.820632	0.257846	9.36846	9.26617	1.07348
1	hcs009g03	2	A2M	0.796163	-0.294451	11.9949	11.87	1.09046
3	hcs009g03	2	A2M	0.131101	2.4825	12.1014	11.4783	1.54022
5	hcs009g03	2	A2M	0.088771	3.1286	12.7742	11.816	1.94288
7	hcs009g03	2	A2M	0.277691	1.47707	12.2684	11.6216	1.56569
1	hcs009g08	6146	RPL22	0.692988	0.456213	11.5411	11.7533	0.8632
3	hcs009g08	6146	RPL22	0.630704	0.561989	12.0818	11.9319	1.10952
5	hcs009g08	6146	RPL22	0.94654	-0.0757115	11.679	11.7087	-1.02082
7	hcs009g08	6146	RPL22	0.136081	-2.42591	11.0333	11.5383	-1.41909
1	hcs009g09	157506	RDH10	0.924008	-0.10778	10.2171	10.1545	1.04438
3	hcs009g09	157506	RDH10	0.148017	-2.30129	10.2185	10.5763	-1.28148
5	hcs009g09	157506	RDH10	0.336845	1.25299	10.5086	9.85348	1.57471
7	hcs009g09	157506	RDH10	0.944991	-0.077912	10.0361	10.0847	-1.03429
1	hcs009g11			0.77588	-0.325227	9.67763	9.6287	1.0345
3	hcs009g11			0.905492	0.134255	9.80609	9.77718	1.02025
5	hcs009g11			0.507304	0.800708	9.67043	9.46987	1.14914
3	hcs009h02	6793	STK10	0.650005	-0.528387	9.98939	10.4296	-1.35677
5	hcs009h02	6793	STK10	0.46898	-0.886255	10.0423	10.6929	-1.56974
1	hcs009h04	5046	PCSK6	0.188281	-1.9655	9.96815	9.42222	1.45996
3	hcs009h04	5046	PCSK6	0.101059	-2.90203	9.96541	10.0471	-1.05823
5	hcs009h04	5046	PCSK6	0.205361	1.85113	9.37155	9.11114	1.19782
1	hcs009h11	1353	COX11	0.0611386	-3.85643	12.3467	11.4085	1.91609
3	hcs009h11	1353	COX11	0.227833	1.71856	11.8783	11.1259	1.68459
5	hcs009h11	1353	COX11	0.273069	1.49704	12.2886	11.6703	1.53507
7	hcs009h11	1353	COX11	0.624787	0.572456	11.3904	11.1968	1.14361
1	hcs009h12	10184	LHFPL2	0.321958	-1.30458	9.70774	9.21743	1.40475
3	hcs009h12	10184	LHFPL2	0.991802	-0.0115946	9.609	9.61492	-1.00411
5	hcs009h12	10184	LHFPL2	0.203484	1.86307	9.59885	9.30273	1.22783
1	hcs010a02			0.423314	-0.998277	12.8529	12.433	1.3378

3	hcs010a02			0.143494	2.34682	12.62	11.826	1.73388
5	hcs010a02			0.198942	1.89257	13.2267	12.3031	1.89693
7	hcs010a02			0.0456865	4.51664	12.676	11.7086	1.95536
1	hcs010a06	5654	HTRA1	0.0011675	29.2408	9.71471	10.0648	0.784559
3	hcs010a06	5654	HTRA1	0.1217	-2.59795	10.0393	10.3011	-1.19895
5	hcs010a06	5654	HTRA1	0.40921	-1.03554	10.113	10.26	-1.1073
7	hcs010a06	5654	HTRA1	0.155513	-2.22991	9.58908	9.75831	-1.12446
5	hcs010a08			0.804415	0.282046	10.4023	10.17	1.17465
1	hcs010b01	10043	TOM1	0.324742	-1.29472	10.0848	9.41361	1.59239
3	hcs010b01	10043	TOM1	0.205561	-1.84987	9.80197	10.081	-1.21341
5	hcs010b01	10043	TOM1	0.235108	1.67927	9.94121	9.52023	1.33884
7	hcs010b01	10043	TOM1	0.451433	-0.92786	9.51445	9.6199	-1.07583
1	hcs010b02	2885	GRB2	0.703003	0.439864	9.51399	9.61174	0.934492
3	hcs010b02	2885	GRB2	0.351191	-1.2058	9.69452	9.87061	-1.12982
1	hcs010b04	4190	MDH1	0.400919	-1.05813	11.1349	10.9728	1.11892
3	hcs010b04	4190	MDH1	0.051066	4.25389	11.9439	10.8766	2.09547
5	hcs010b04	4190	MDH1	0.0184061	7.26872	11.6384	10.4601	2.26315
7	hcs010b04	4190	MDH1	0.0310106	5.54571	11.6667	10.6884	1.97016
3	hcs010b05	7025	NR2F1	0.769221	-0.335424	10.1117	10.346	-1.17634
5	hcs010b05	7025	NR2F1	0.599743	-0.617686	9.58374	9.92521	-1.26704
1	hcs010b06	23127	GLT25D2	0.0528545	4.17534	9.95095	10.1304	0.883056
3	hcs010b06	23127	GLT25D2	0.684295	0.470539	10.394	10.2959	1.07039
5	hcs010b06	23127	GLT25D2	0.197385	1.90289	10.3527	10.0188	1.26042
7	hcs010b06	23127	GLT25D2	0.0924973	-3.05538	9.56785	9.9149	-1.27196
3	hcs010b08	4926	NUMA1	0.0516731	4.22678	10.4405	10.0115	1.34628
5	hcs010b08	4926	NUMA1	0.030713	5.57381	10.2341	9.77844	1.37139
1	hcs010b09	2091	FBL	0.253993	-1.58425	10.2176	10.1157	1.07318
3	hcs010b09	2091	FBL	0.38138	1.11349	10.4031	10.1763	1.17031
5	hcs010b09	2091	FBL	0.0150589	8.05666	10.2965	10.2035	1.0666
7	hcs010b09	2091	FBL	0.231425	-1.69897	9.6682	9.79332	-1.0906
1	hcs010b10	79966	SCD5	0.838274	0.231766	10.0669	10.207	0.907456
3	hcs010b10	79966	SCD5	0.0206389	6.85255	10.8064	10.5682	1.17952
5	hcs010b10	79966	SCD5	0.167063	-2.1287	9.82249	10.1918	-1.29173
7	hcs010b10	79966	SCD5	0.236486	-1.67201	9.36118	10.3023	-1.91997
1	hcs010c01	4000	LMNA	0.090046	-3.10306	9.83604	9.53978	1.22796
5	hcs010c01	4000	LMNA	0.156113	2.2244	9.66021	9.17534	1.39946
1	hcs010c11	5810	RAD1	0.130484	-2.48971	10.0013	9.55334	1.36411
3	hcs010c11	5810	RAD1	0.724933	0.404611	9.89155	9.73692	1.11313
5	hcs010c11	5810	RAD1	0.471495	0.880424	9.91364	9.67202	1.18232
1	hcs010d01	55696	RBM22	0.0370867	5.04711	9.43302	10.3935	0.513886
3	hcs010d01	55696	RBM22	0.0341047	-5.27543	9.61753	10.5027	-1.84698
5	hcs010d01	55696	RBM22	0.0524804	-4.19145	9.52129	10.3955	-1.833
7	hcs010d01	55696	RBM22	0.327943	-1.2835	9.63549	10.0854	-1.36597
1	hcs010d04	6526	SLC5A3	0.244574	-1.63046	10.1177	9.48756	1.54772
3	hcs010d04	6526	SLC5A3	0.932083	0.0962717	10.2225	10.2033	1.01337
5	hcs010d04	6526	SLC5A3	0.137655	2.40863	10.2401	9.73598	1.41829
5	hcs010d05	?	?	0.936261	0.0903249	9.96597	9.90156	1.04566

1	hcs010d10	83637	ZMIZ2	0.0725416	-3.50771	10.0761	9.7091	1.28967
5	hcs010d10	83637	ZMIZ2	0.701958	-0.441563	9.46612	9.53614	-1.04973
7	hcs010d10	83637	ZMIZ2	0.493731	-0.830234	9.05775	9.4349	-1.29877
1	hcs010e02	79033	ERI3	0.0126495	8.80669	9.44365	10.7143	0.414473
3	hcs010e02	79033	ERI3	0.0689907	-3.60729	9.46808	10.5909	-2.1777
5	hcs010e02	79033	ERI3	0.223009	-1.74553	9.82769	10.5523	-1.65241
7	hcs010e02	79033	ERI3	0.0057277	-13.1564	9.1573	10.3438	-2.27594
5	hcs010e03	93621	MRFAP1	0.321153	-1.30745	9.49877	10.0849	-1.5012
1	hcs010e04	?	?	0.324225	-1.29654	10.6667	10.526	1.10246
3	hcs010e04	?	?	0.33047	1.27474	10.9315	10.6571	1.20944
5	hcs010e04	?	?	0.0630821	3.7906	11.0978	10.6037	1.40841
7	hcs010e04	?	?	0.892923	0.152306	10.4025	10.3696	1.02307
1	hcs010e06	?	?	0.10232	2.88101	10.0066	10.1932	0.878662
3	hcs010e06	?	?	0.381521	1.11308	10.7873	10.4619	1.25305
5	hcs010e06	?	?	0.148108	-2.3004	9.89873	9.97512	-1.05438
7	hcs010e06	?	?	0.835256	-0.236211	9.7328	9.78624	-1.03774
1	hcs010e09	10574	CCT7	0.87218	0.18226	10.1029	10.1284	0.982498
3	hcs010e09	10574	CCT7	0.962545	-0.0530072	10.3247	10.3415	-1.01176
5	hcs010e09	10574	CCT7	0.33591	1.25615	10.3123	10.0779	1.17636
7	hcs010e09	10574	CCT7	0.77807	0.321883	9.93435	9.89456	1.02796
1	hcs010e10	2907	GRINA	0.0781853	-3.3631	10.3539	9.94274	1.32975
3	hcs010e10	2907	GRINA	0.830162	0.243728	10.1543	10.1185	1.02516
5	hcs010e10	2907	GRINA	0.69742	0.448958	10.1199	10.0829	1.02595
7	hcs010e10	2907	GRINA	0.0695159	-3.5921	9.4388	9.85305	-1.33261
1	hcs010e11	58189	WFDC1	0.60139	0.614662	10.9874	11.1905	0.868662
3	hcs010e11	58189	WFDC1	0.195707	1.91414	11.5004	11.0099	1.4049
5	hcs010e11	58189	WFDC1	0.176319	2.05423	11.5106	11.2302	1.21456
7	hcs010e11	58189	WFDC1	0.365979	1.15948	11.1701	11.0183	1.11093
5	hcs010f01	445	ASS1	0.45023	0.930777	9.24485	8.88702	1.28149
1	hcs010f03	1939	LGTN	0.599492	0.618147	12.1067	12.4719	0.776361
3	hcs010f03	1939	LGTN	0.703324	0.439343	12.6735	12.4201	1.19204
5	hcs010f03	1939	LGTN	0.737581	0.384596	12.5787	12.3314	1.18698
7	hcs010f03	1939	LGTN	0.283248	-1.45361	11.5179	11.9436	-1.34316
1	hcs010f04	3146	HMGB1	0.696922	-0.449772	9.50852	9.24514	1.20029
3	hcs010f04	3146	HMGB1	0.937487	0.0885799	10.0409	10.0351	1.00404
5	hcs010f04	3146	HMGB1	0.204886	1.85414	9.62556	9.19337	1.34929
7	hcs010f04	3146	HMGB1	0.337853	1.2496	9.49001	9.34044	1.10923
1	hcs010f05	501	ALDH7A1	0.981441	-0.0262513	10.4339	10.4262	1.00534
3	hcs010f05	501	ALDH7A1	0.179158	2.03245	10.9066	10.1321	1.71064
5	hcs010f05	501	ALDH7A1	0.350073	-1.2094	9.82591	10.5397	-1.64012
7	hcs010f05	501	ALDH7A1	0.200123	-1.88482	9.29149	10.4938	-2.30112
3	hcs010f08	7335	UBE2V1	0.670007	0.494373	10.2468	9.93322	1.2428
5	hcs010f08	7335	UBE2V1	0.177286	2.04676	9.80683	9.37813	1.34602
5	hcs010f09	10233	LRRC23	0.040839	4.7955	10.2634	9.6113	1.5714
1	hcs010g05	2315	MLANA	0.35857	-1.18241	9.96689	9.7382	1.17177
3	hcs010g05	2315	MLANA	0.375634	1.13039	10.3988	10.201	1.14691
5	hcs010g05	2315	MLANA	0.74964	0.36571	9.88754	9.84012	1.03342



7	hcs010g05	2315	MLANA	0.196195	-1.91085	9.46026	9.63262	-1.1269
1	hcs010g10			0.236262	-1.67319	9.51809	9.22615	1.22428
3	hcs010g10			0.950927	-0.0694834	9.80493	9.83207	-1.01899
5	hcs010g10			0.13405	2.44864	9.74153	9.43122	1.23998
1	hcs010h06	57599	WDR48	0.940274	0.0846167	10.6432	10.6514	0.994328
3	hcs010h06	57599	WDR48	0.119864	2.62196	11.2494	10.8193	1.34736
5	hcs010h06	57599	WDR48	0.343316	1.23142	10.8357	10.5351	1.23165
7	hcs010h06	57599	WDR48	0.504053	0.807708	10.2821	10.0735	1.15556
1	hcs011a01	3726	JUNB	0.728419	0.399073	10.6368	10.6921	0.962388
3	hcs011a01	3726	JUNB	0.281539	1.46076	10.9388	10.6544	1.21793
5	hcs011a01	3726	JUNB	0.0184402	-7.26182	10.3547	10.7021	-1.27224
7	hcs011a01	3726	JUNB	0.00305651	-18.0462	10.3835	10.8153	-1.34892
5	hcs011a02	975	CD81	0.258152	-1.56454	9.68171	10.4173	-1.66505
5	hcs011a04	7170	TPM3	0.927741	0.102457	9.88283	9.80565	1.05496
7	hcs011a04	7170	TPM3	0.788235	-0.306431	9.66641	9.98269	-1.24512
1	hcs011a11	217	ALDH2	0.361369	-1.17368	10.0149	9.35037	1.58505
3	hcs011a11	217	ALDH2	0.415798	-1.01796	9.52277	9.82967	-1.23705
5	hcs011a11	217	ALDH2	0.44411	0.945734	9.69941	9.59136	1.07777
7	hcs011a11	217	ALDH2	0.141009	2.37269	9.43849	9.30452	1.09731
3	hcs011b03	6137	RPL13	0.956802	-0.0611478	9.73093	9.74455	-1.00948
1	hcs011b04	79411	GLB1L	0.750852	0.363822	10.8896	10.9573	0.954136
3	hcs011b04	79411	GLB1L	0.162469	2.16777	11.4295	11.1447	1.21827
5	hcs011b04	79411	GLB1L	0.00745041	11.5205	11.352	11.212	1.10193
7	hcs011b04	79411	GLB1L	0.442355	-0.950063	10.6694	10.8488	-1.13239
1	hcs011b05	515	ATP5F1	0.421124	-1.00397	9.75001	9.53127	1.16371
3	hcs011b05	515	ATP5F1	0.587997	0.639455	9.91957	9.72312	1.14587
5	hcs011b05	515	ATP5F1	0.0896058	3.11182	9.84272	9.34582	1.41118
5	hcs011b06	2676	GFRA3	0.124923	2.557	9.92811	9.32067	1.52355
5	hcs011b07	?	?	0.841141	0.22755	9.45176	9.41331	1.02701
1	hcs011b08	?	?	0.936343	0.0902069	9.53469	9.55129	0.988557
5	hcs011b08	?	?	0.545918	-0.720761	9.20284	9.38045	-1.13101
5	hcs011b10	2137	EXTL3	0.662121	0.50769	9.36507	9.17888	1.13775
5	hcs011b11	28996	HIPK2	0.633404	-0.557241	9.10294	9.19971	-1.06938
3	hcs011c01			0.181538	2.01455	10.8748	10.336	1.45277
3	hcs011c07	79783	C7orf10	0.693057	0.4561	10.1082	9.8219	1.2195
5	hcs011c07	79783	C7orf10	0.611562	0.596146	9.33823	9.11941	1.16378
5	hcs011c10	55193	PBRM1	0.961175	0.0549476	9.22561	9.22169	1.00272
1	hcs011c11	57048	PLSCR3	0.187223	1.97303	11.1864	11.3943	0.865796
3	hcs011c11	57048	PLSCR3	0.166966	-2.1295	11.2446	11.325	-1.05729
5	hcs011c11	57048	PLSCR3	0.296617	1.39943	11.5008	11.3967	1.07477
7	hcs011c11	57048	PLSCR3	0.298508	-1.39202	10.772	10.8197	-1.03359
3	hcs011c12	10938	EHD1	0.34331	-1.23143	9.22463	9.60654	-1.30307
5	hcs011c12	10938	EHD1	0.525117	-0.763124	9.02341	9.21998	-1.14597
1	hcs011d03	63932	CXorf56	0.138932	-2.3948	9.61902	9.45957	1.11686
3	hcs011d03	63932	CXorf56	0.677306	-0.482152	9.56705	9.76376	-1.14608
5	hcs011d03	63932	CXorf56	0.199358	1.88983	9.9068	9.49337	1.33184
7	hcs011d03	63932	CXorf56	0.206932	-1.84125	9.25296	9.64911	-1.31599

5	hcs011d07	23371	TENC1	0.241774	1.64464	9.23102	9.07612	1.11335
5	hcs011d08	8933	FAM127A	0.0031368	17.8128	10.0543	9.06968	1.97887
1	hcs011d09	11328	FKBP9	0.35673	1.18818	11.5077	11.6308	0.918234
3	hcs011d09	11328	FKBP9	0.410064	1.03325	11.4665	11.2033	1.20011
5	hcs011d09	11328	FKBP9	0.0497136	4.31601	11.8803	11.6248	1.19375
7	hcs011d09	11328	FKBP9	0.374188	-1.13469	11.1022	11.2366	-1.09759
1	hcs011d10	7169	TPM2	0.210877	1.81687	10.1742	10.5552	0.767909
3	hcs011d10	7169	TPM2	0.392903	1.08046	10.652	10.2707	1.30257
5	hcs011d10	7169	TPM2	0.11273	2.72041	10.8387	10.5879	1.18988
7	hcs011d10	7169	TPM2	0.488061	-0.842809	9.90592	10.0464	-1.10229
1	hcs011e01	3726	JUNB	0.451659	0.927315	10.0368	10.5948	0.679221
3	hcs011e01	3726	JUNB	0.388414	1.0932	10.6882	9.93901	1.68082
7	hcs011e01	3726	JUNB	0.510083	0.79476	10.1274	9.77997	1.27226
5	hcs011e02			0.786972	-0.308344	9.0935	9.16715	-1.05238
1	hcs011e03	79065	ATG9A	0.312277	-1.3397	10.3564	10.0021	1.27833
3	hcs011e03	79065	ATG9A	0.0325979	5.40233	10.6596	10.1123	1.46128
5	hcs011e03	79065	ATG9A	0.627971	0.566814	10.3213	10.2094	1.08065
7	hcs011e03	79065	ATG9A	0.43048	-0.97986	9.33719	9.92116	-1.49897
1	hcs011e04	57687	VAT1L	0.336516	1.2541	11.4447	11.7535	0.807294
3	hcs011e04	57687	VAT1L	0.64717	0.533274	11.7931	11.7452	1.03374
5	hcs011e04	57687	VAT1L	0.0617382	-3.8358	11.5544	11.8865	-1.25879
7	hcs011e04	57687	VAT1L	0.130253	-2.49242	10.8944	11.4845	-1.50529
5	hcs011e07	4267	CD99	0.218965	-1.76873	9.645	10.0878	-1.35927
3	hcs011e10	85449	KIAA1755	0.757113	0.354098	10.1984	10.103	1.06835
5	hcs011e10	85449	KIAA1755	0.808627	0.275738	9.77727	9.75137	1.01811
1	hcs011e11	54929	TMEM161	0.671282	-0.492231	13.2741	13.2014	1.05168
3	hcs011e11	54929	TMEM161	0.447465	0.937508	13.0627	12.9964	1.04705
5	hcs011e11	54929	TMEM161	0.576993	-0.660197	13.2544	13.3803	-1.09119
7	hcs011e11	54929	TMEM161	0.452508	-0.925264	12.8128	12.9952	-1.13474
1	hcs011f02	57609	DIP2B	0.431339	-0.977676	13.1251	13.0123	1.08133
3	hcs011f02	57609	DIP2B	0.456564	0.91552	12.77	12.6296	1.10219
5	hcs011f02	57609	DIP2B	0.0017034	24.1983	13.5555	13.2247	1.25777
7	hcs011f02	57609	DIP2B	0.583954	0.647036	13.2708	13.084	1.13824
1	hcs011f03	4256	MGP	0.143283	2.349	13.5077	13.8823	0.771319
3	hcs011f03	4256	MGP	0.129184	-2.50508	13.3839	13.6044	-1.16516
5	hcs011f03	4256	MGP	0.27562	1.48597	14.1629	14.0224	1.10224
7	hcs011f03	4256	MGP	0.302656	-1.37595	13.338	13.9869	-1.5679
1	hcs011f04	65998	C11orf95	0.420713	-1.00504	9.53894	9.13085	1.32692
5	hcs011f04	65998	C11orf95	0.759658	0.350159	9.39923	9.32982	1.04929
1	hcs011f06	54784	ALKBH4	0.447733	0.936852	12.0967	12.3822	0.820457
3	hcs011f06	54784	ALKBH4	0.530712	-0.751573	12.193	12.324	-1.09505
5	hcs011f06	54784	ALKBH4	0.173795	-2.07401	12.217	12.4672	-1.1894
7	hcs011f06	54784	ALKBH4	0.311682	-1.3419	11.7103	12.1268	-1.33469
1	hcs011f09	5549	PRELP	0.164913	-2.1468	12.3742	11.8988	1.39034
3	hcs011f09	5549	PRELP	0.361205	1.17419	11.9951	11.6343	1.28414
5	hcs011f09	5549	PRELP	0.824459	0.252168	11.8265	11.7323	1.06747
7	hcs011f09	5549	PRELP	0.551317	0.710015	11.6599	11.4723	1.13887

5	hcs011f10	10509	SEMA4B	0.0043847	15.0521	9.97	9.00006	1.95877
1	hcs011g01	?	?	0.406963	1.04161	10.8845	11.306	0.746631
3	hcs011g01	?	?	0.516206	-0.781766	11.2491	11.3816	-1.09622
5	hcs011g01	?	?	0.913306	-0.123067	11.494	11.5328	-1.02728
7	hcs011g01	?	?	0.136335	-2.4231	10.4069	11.0229	-1.53262
5	hcs011g03	5724	PTAFR	0.610682	-0.597738	9.8825	10.3605	-1.39281
1	hcs011g04	8675	STX16	0.589345	-0.636937	12.8574	12.5613	1.22779
3	hcs011g04	8675	STX16	0.289247	1.42891	13.1016	12.5257	1.49061
5	hcs011g04	8675	STX16	0.324469	1.29568	13.1201	12.4651	1.57458
7	hcs011g04	8675	STX16	0.403025	1.05234	12.807	12.4065	1.3199
1	hcs011g05	599	BCL2L2	0.329708	-1.27737	11.0624	10.7984	1.20081
3	hcs011g05	599	BCL2L2	0.149236	2.28935	11.4675	11.0162	1.36727
5	hcs011g05	599	BCL2L2	0.0119706	9.05765	11.6455	10.7918	1.80721
7	hcs011g05	599	BCL2L2	0.15636	2.22214	10.959	10.5505	1.3273
5	hcs011g06	5621	PRNP	0.7596	-0.350248	13.9032	13.946	-1.03013
7	hcs011g06	5621	PRNP	0.0425704	-4.69056	11.6875	12.3971	-1.63543
5	hcs011g07	83549	UCK1	0.38401	-1.10586	13.485	13.8287	-1.26895
7	hcs011g08	55585	UBE2Q1	0.0415015	4.75459	14.5629	13.8648	1.62237
1	hcs011g09	2101	ESRRA	0.734739	0.389074	11.6437	11.8766	0.850942
3	hcs011g09	2101	ESRRA	0.880716	0.169905	11.8523	11.7725	1.05687
5	hcs011g09	2101	ESRRA	0.475814	0.870488	12.4285	11.9998	1.34608
7	hcs011g09	2101	ESRRA	0.313068	-1.33678	11.1602	11.5638	-1.32287
1	hcs011g10	5192	PEX10	0.438765	-0.958981	13.8096	13.68	1.09402
3	hcs011g10	5192	PEX10	0.0108653	9.5152	13.7813	13.6423	1.10119
5	hcs011g10	5192	PEX10	0.533714	-0.745425	13.7816	13.9132	-1.09553
7	hcs011g10	5192	PEX10	0.30856	-1.35354	13.3663	13.6471	-1.21487
1	hcs011g11	64326	RFWD2	0.893485	-0.151496	11.4734	11.4451	1.01983
3	hcs011g11	64326	RFWD2	0.24675	1.61958	11.5464	11.2035	1.2683
5	hcs011g11	64326	RFWD2	0.0142956	8.27376	11.9875	11.5129	1.38953
7	hcs011g11	64326	RFWD2	0.235849	1.67536	11.3535	11.0566	1.22847
1	hcs011g12	51279	C1RL	0.316145	-1.32551	9.78754	9.46755	1.24832
3	hcs011g12	51279	C1RL	0.870579	0.184581	9.7503	9.67887	1.05075
5	hcs011g12	51279	C1RL	0.859024	0.201382	9.49894	9.4222	1.05463
1	hcs011h02	3294	HSD17B2	0.725359	0.403934	9.76238	9.91916	0.897023
3	hcs011h02	3294	HSD17B2	0.489324	0.839995	10.0489	9.9866	1.04414
5	hcs011h02	3294	HSD17B2	0.324635	-1.29509	11.1664	11.2994	-1.09661
7	hcs011h02	3294	HSD17B2	0.266258	1.52727	10.1055	9.69667	1.32757
1	hcs011h04	11258	DCTN3	0.635359	0.553812	10.3158	10.6005	0.820937
5	hcs011h04	11258	DCTN3	0.994363	-0.0079719	10.1854	10.1879	-1.00175
7	hcs011h04	11258	DCTN3	0.287788	-1.43486	10.1598	10.3833	-1.16762
5	hcs011h05	1936	EEF1D	0.988374	0.0164431	9.74852	9.74449	1.0028
3	hcs011h08	1019	CDK4	0.0643311	3.74983	10.4671	10.1393	1.25514
5	hcs011h08	1019	CDK4	0.789974	0.303798	9.62439	9.50148	1.08893
1	hcs011h09	3251	HPRT1	0.103935	2.85462	11.144	11.29	0.903732
3	hcs011h09	3251	HPRT1	0.30573	1.36422	11.3974	11.314	1.05956
5	hcs011h09	3251	HPRT1	0.594283	-0.627758	11.1931	11.2933	-1.07192
7	hcs011h09	3251	HPRT1	0.0584008	-3.9545	10.4195	10.9604	-1.45486

5	hcs011h10	7453	WARS	0.0845342	3.21739	14.9404	14.27	1.59151
7	hcs011h10	7453	WARS	0.0430476	4.66274	14.2689	13.6986	1.4848
1	hcs011h12	5962	RDX	0.091946	3.06595	9.47051	9.82686	0.781138
3	hcs011h12	5962	RDX	0.382122	-1.11133	9.60001	10.0738	-1.38876
5	hcs011h12	5962	RDX	0.664977	0.502854	10.0408	9.99685	1.03094
7	hcs011h12	5962	RDX	0.0579018	-3.9731	9.45989	9.93502	-1.39005
1	hcs012a03	10146	G3BP1	0.229482	-1.70952	11.5937	11.0927	1.41516
3	hcs012a03	10146	G3BP1	0.300996	1.38235	11.1808	10.8051	1.29744
5	hcs012a03	10146	G3BP1	0.443256	0.947838	11.3851	11.1598	1.16907
7	hcs012a03	10146	G3BP1	0.64226	-0.541774	10.6141	10.6827	-1.04867
5	hcs012a04	381	ARF5	0.327044	-1.28664	10.1507	10.5342	-1.3045
1	hcs012a05	1808	DPYSL2	0.980057	-0.0282089	10.6194	10.6107	1.00607
3	hcs012a05	1808	DPYSL2	0.117705	2.65087	11.6606	10.8236	1.78629
5	hcs012a05	1808	DPYSL2	0.322428	-1.30291	10.9806	11.3333	-1.27702
7	hcs012a05	1808	DPYSL2	0.221776	-1.75255	9.97344	10.5423	-1.48333
5	hcs012a06	274	BIN1	0.746914	0.369962	10.365	10.2897	1.05358
1	hcs012b01	?	?	0.316236	-1.32518	9.84543	9.58262	1.19982
3	hcs012b01	?	?	0.969412	-0.0432776	9.82857	9.84829	-1.01376
5	hcs012b01	?	?	0.144585	2.33566	10.0902	9.53271	1.47167
7	hcs012b01	?	?	0.248095	1.61292	9.72851	9.58131	1.10742
1	hcs012b03	1508	CTSB	0.667146	0.499191	9.76266	9.80814	0.968968
3	hcs012b03	1508	CTSB	0.953473	-0.0658711	9.85737	9.88148	-1.01685
5	hcs012b03	1508	CTSB	0.0485739	4.37031	10.1763	9.68907	1.40172
7	hcs012b03	1508	CTSB	0.202027	1.87244	9.80384	9.62401	1.13275
1	hcs012b08	3769	KCNJ13	0.848141	0.217281	10.2633	10.3096	0.96841
3	hcs012b08	3769	KCNJ13	0.407912	1.03905	10.532	10.1343	1.31743
5	hcs012b08	3769	KCNJ13	0.191865	1.94038	10.863	10.3237	1.45327
7	hcs012b08	3769	KCNJ13	0.652336	0.524382	10.2206	10.1576	1.04458
5	hcs012b10	51433	ANAPC5	0.235626	-1.67654	9.51758	9.75259	-1.17691
7	hcs012b10	51433	ANAPC5	0.0738963	-3.47155	9.22958	9.58958	-1.28343
1	hcs012c01	7046	TGFBR1	0.92786	0.102287	11.6808	11.7049	0.983411
3	hcs012c01	7046	TGFBR1	0.825555	-0.250544	11.2864	11.3236	-1.02612
5	hcs012c01	7046	TGFBR1	0.72526	-0.404091	11.7276	11.7909	-1.04485
7	hcs012c01	7046	TGFBR1	0.0615191	-3.8433	11.1405	11.4011	-1.19798
3	hcs012c05	11344	TWF2	0.167172	-2.12779	11.195	11.4574	-1.19948
1	hcs012c06	55684	C9orf86	0.987146	-0.0181794	10.0731	10.0693	1.00265
3	hcs012c06	55684	C9orf86	0.157368	2.21297	10.6727	10.3692	1.23414
5	hcs012c06	55684	C9orf86	0.502084	-0.811969	10.0317	10.163	-1.09532
7	hcs012c06	55684	C9orf86	0.235549	-1.67694	9.41228	9.80855	-1.31609
7	hcs012c07	79016	DDA1	0.304602	-1.36851	9.86896	10.9715	-2.14727
1	hcs012c10	51329	ARL6IP4	0.655683	0.518652	9.78884	9.88867	0.933145
3	hcs012c10	51329	ARL6IP4	0.0277115	-5.88159	10.1787	10.3271	-1.10836
5	hcs012c10	51329	ARL6IP4	0.328986	1.27988	10.1001	9.88802	1.15834
7	hcs012c10	51329	ARL6IP4	0.664778	-0.50319	9.7232	9.84803	-1.09038
3	hcs012c12	9737	GPRASP1	0.904717	-0.135367	9.70821	9.76083	-1.03715
5	hcs012c12	9737	GPRASP1	0.914727	0.121036	9.55412	9.53221	1.01531
1	hcs012d02	3069	HDLBP	0.517096	-0.77989	10.4295	10.3303	1.07118

3	hcs012d02	3069	HDLBP	0.593164	0.629833	10.2913	10.1747	1.08421
5	hcs012d02	3069	HDLBP	0.0438276	4.61821	10.5483	10.2337	1.24367
7	hcs012d02	3069	HDLBP	0.244441	1.63113	10.265	10.0318	1.17545
1	hcs012d08	?	?	0.4264	-0.990305	9.82677	9.45192	1.29671
3	hcs012d08	?	?	0.91806	-0.116271	9.78931	9.8344	-1.03175
5	hcs012d08	?	?	0.376373	1.1282	9.90479	9.65517	1.18889
7	hcs012d08	?	?	0.91233	-0.124463	9.60624	9.62001	-1.0096
1	hcs012d09	?	?	0.314602	1.33115	10.7461	11.0881	0.788965
3	hcs012d09	?	?	0.284084	1.45013	11.1017	10.7771	1.25226
5	hcs012d09	?	?	0.863791	0.194441	10.8221	10.7966	1.01781
7	hcs012d09	?	?	0.082334	-3.26605	10.3866	10.774	-1.30797
3	hcs012d10	6622	SNCA	0.800366	-0.288124	9.2045	9.34991	-1.10605
5	hcs012d10	6622	SNCA	0.0135655	-8.49823	9.24069	9.49941	-1.19642
1	hcs012e08	56940	DUSP22	0.775933	0.325145	12.1504	12.2104	0.959242
3	hcs012e08	56940	DUSP22	0.618595	-0.583495	12.2863	12.364	-1.05536
5	hcs012e08	56940	DUSP22	0.235674	-1.67629	12.1228	12.2995	-1.1303
7	hcs012e08	56940	DUSP22	0.184821	-1.99037	11.5165	11.9589	-1.35886
1	hcs012e11	2909	GRLF1	0.924972	-0.106406	11.4164	11.3859	1.02139
3	hcs012e11	2909	GRLF1	0.700211	0.444406	11.367	11.2327	1.09759
5	hcs012e11	2909	GRLF1	0.218424	1.77188	11.6218	11.4323	1.14042
7	hcs012e11	2909	GRLF1	0.33808	1.24884	11.1178	11.0435	1.05283
1	hcs012f02	140901	STK35	0.0992082	-2.93358	9.74885	9.51881	1.17286
3	hcs012f02	140901	STK35	0.4557	-0.917589	9.62151	10.0807	-1.37475
5	hcs012f02	140901	STK35	0.100963	2.90365	9.93997	9.51775	1.33998
7	hcs012f02	140901	STK35	0.72881	0.398451	9.58632	9.53887	1.03344
5	hcs012f03	823	CAPN1	0.613638	0.592399	9.18328	9.14471	1.0271
1	hcs012f04	10919	EHMT2	0.522228	0.769134	10.014	10.2028	0.877333
3	hcs012f04	10919	EHMT2	0.106551	2.81305	10.3561	10.2277	1.09308
5	hcs012f04	10919	EHMT2	0.172065	-2.08778	9.77977	10.092	-1.24159
7	hcs012f04	10919	EHMT2	0.028929	-5.75106	9.7758	10.0842	-1.2383
3	hcs012f06	9266	CYTH2	0.132093	2.47099	10.2753	9.8753	1.31955
5	hcs012f06	9266	CYTH2	0.243754	1.63459	9.5865	9.36843	1.16317
1	hcs012f10	493	ATP2B4	0.162316	-2.1691	9.70207	9.50646	1.14521
3	hcs012f10	493	ATP2B4	0.334037	1.26251	9.88952	9.41851	1.38608
5	hcs012f10	493	ATP2B4	0.0302146	5.62177	9.98125	9.49361	1.40215
7	hcs012f10	493	ATP2B4	0.289354	1.42848	9.45067	9.24113	1.15632
5	hcs012f11	10121	ACTR1A	0.67107	-0.492588	9.00085	9.0877	-1.06205
1	hcs012f12	5935	RBM3	0.69674	0.450069	9.73694	9.82523	0.940639
3	hcs012f12	5935	RBM3	0.62228	0.576914	9.87462	9.74112	1.09695
5	hcs012f12	5935	RBM3	0.0108144	9.53794	10.1881	9.75614	1.34908
7	hcs012f12	5935	RBM3	0.878069	0.173732	9.48065	9.46539	1.01063
1	hcs012g01	79719	AAGAB	0.888614	-0.15851	9.98054	9.95732	1.01622
3	hcs012g01	79719	AAGAB	0.385897	1.10041	10.5182	10.2449	1.20861
5	hcs012g01	79719	AAGAB	0.0521046	4.2078	10.8191	9.99994	1.76442
7	hcs012g01	79719	AAGAB	0.379632	1.1186	9.99518	9.71286	1.21615
3	hcs012g02			0.138923	2.3949	9.82066	9.76991	1.03581
5	hcs012g02			0.439986	0.95594	9.82959	9.71628	1.08171

3	hcs012g03	?	?	0.37611	-1.12898	9.47788	9.86707	-1.30966
1	hcs012g06	200186	CRTC2	0.734911	0.388803	9.94292	10.3127	0.773902
3	hcs012g06	200186	CRTC2	0.766858	-0.339056	11.2299	11.3188	-1.06362
5	hcs012g06	200186	CRTC2	0.943662	-0.0798012	10.643	10.6668	-1.01663
1	hcs012g07	4735	SEPT2	0.597983	-0.620923	10.3384	9.90542	1.35002
5	hcs012g07	4735	SEPT2	0.979011	0.02969	10.028	10.0238	1.0029
1	hcs012g11	10437	IFI30	0.837572	0.232799	11.002	11.0221	0.986142
3	hcs012g11	10437	IFI30	0.70965	0.429102	11.219	11.1362	1.05905
5	hcs012g11	10437	IFI30	0.057839	3.97546	11.3162	11.1047	1.15789
7	hcs012g11	10437	IFI30	0.490399	0.837606	10.6031	10.4457	1.1153
1	hcs012h02	4776	NFATC4	0.41716	1.01437	9.69393	9.9324	0.847646
3	hcs012h02	4776	NFATC4	0.813111	0.269042	10.236	10.1762	1.04232
5	hcs012h02	4776	NFATC4	0.252688	1.59052	10.5634	10.3208	1.18315
7	hcs012h02	4776	NFATC4	0.752079	-0.361913	9.88981	9.98215	-1.06609
1	hcs012h03	25939	SAMHD1	0.495729	0.825835	10.2507	10.4507	0.870522
3	hcs012h03	25939	SAMHD1	0.17248	-2.08446	10.4064	10.6609	-1.19297
5	hcs012h03	25939	SAMHD1	0.268569	-1.51691	10.2602	10.6346	-1.29629
7	hcs012h03	25939	SAMHD1	0.0352904	-5.18124	9.68065	9.97365	-1.22518
3	hcs012h04	55608	ANKRD10	0.657872	-0.514915	11.3976	11.5273	-1.09406
5	hcs012h04	55608	ANKRD10	0.304579	-1.36859	11.4819	11.6926	-1.15722
7	hcs012h04	55608	ANKRD10	0.112997	-2.71657	11.2528	11.7033	-1.36655
1	hcs012h05	83658	DYNLRB1	0.898504	-0.144283	9.62251	9.58943	1.02319
5	hcs012h05	83658	DYNLRB1	0.211708	-1.81182	9.56622	9.85564	-1.22215
1	hcs012h07	4811	NID1	0.443026	-0.948407	11.5945	11.3275	1.20333
5	hcs012h07	4811	NID1	0.422321	1.00085	11.5121	11.362	1.10962
7	hcs012h07	4811	NID1	0.372804	-1.13883	10.7267	11.0163	-1.22227
1	hcs012h12	3910	LAMA4	0.571926	-0.669866	9.93846	9.90483	1.02359
3	hcs012h12	3910	LAMA4	0.197977	1.89895	10.2542	10.0246	1.17253
5	hcs012h12	3910	LAMA4	0.10992	2.76163	10.3007	9.77863	1.43603
7	hcs012h12	3910	LAMA4	0.205238	1.85191	9.88158	9.56241	1.24761
1	hcs013a01			0.353216	1.19932	9.35201	9.61553	0.833055
5	hcs013a02	79734	KCTD17	0.434059	-0.970788	9.5236	10.2882	-1.69887
5	hcs013a03	5252	PHF1	0.429078	-0.983437	9.82777	10.9713	-2.20915
7	hcs013a03	5252	PHF1	0.516017	0.782165	9.88785	9.38514	1.41687
3	hcs013a05	7982	ST7	0.284198	1.44965	10.3862	9.65018	1.66552
5	hcs013a05	7982	ST7	0.226971	-1.72333	9.63423	10.5514	-1.88837
1	hcs013a07	145781	GCOM1	0.222265	1.74976	9.59329	10.7635	0.444347
3	hcs013a07	145781	GCOM1	0.838166	0.231925	10.6895	10.567	1.08864
5	hcs013a07	145781	GCOM1	0.0420688	-4.72031	10.4132	11.2962	-1.84421
7	hcs013a07	145781	GCOM1	0.0617948	-3.83387	9.25371	10.6477	-2.62808
3	hcs013b03			0.261944	1.54692	10.8381	10.567	1.20677
5	hcs013b03			0.597183	-0.622399	10.8089	11.102	-1.22532
1	hcs013b04	5239	PGM5	0.320822	1.30863	10.0552	10.4114	0.781234
3	hcs013b04	5239	PGM5	0.796658	0.293705	11.6044	11.5213	1.05933
5	hcs013b04	5239	PGM5	0.380296	-1.11666	10.5562	11.1492	-1.50843
7	hcs013b04	5239	PGM5	0.560393	-0.692168	9.90549	10.107	-1.14987
5	hcs013b07	3843	IPO5	0.728645	-0.398713	10.5462	10.8192	-1.20837

1	hcs013b08	81533	ITFG1	0.0806718	-3.30408	10.8434	10.2917	1.46585
3	hcs013b08	81533	ITFG1	0.320107	1.31119	11.3165	10.7698	1.46078
5	hcs013b08	81533	ITFG1	0.980051	0.0282184	10.8561	10.8399	1.01135
5	hcs013b10	10487	CAP1	0.547103	-0.718393	9.83944	10.1007	-1.19849
1	hcs013b11	4860	PNP	0.703264	0.43944	10.4543	10.5985	0.904889
3	hcs013b11	4860	PNP	0.962941	0.0524455	10.9438	10.9232	1.01433
5	hcs013b11	4860	PNP	0.0881684	-3.14086	10.4431	10.769	-1.25339
7	hcs013b11	4860	PNP	0.201393	-1.87654	9.63407	10.2523	-1.53498
5	hcs013b12	24148	PRPF6	0.652355	-0.52435	9.79101	9.95654	-1.12158
3	hcs013c03	5530	PPP3CA	0.0091734	10.3689	10.3725	9.9034	1.38421
5	hcs013c03	5530	PPP3CA	0.563645	-0.685837	10.2555	10.4399	-1.13638
7	hcs013c03	5530	PPP3CA	0.465744	-0.893803	9.63925	9.93793	-1.23001
1	hcs013c05			0.39535	1.07359	11.582	11.8294	0.842433
3	hcs013c05			0.0602549	3.88738	11.7914	11.2623	1.44296
5	hcs013c05			0.736522	0.386263	11.8912	11.7754	1.0836
7	hcs013c05			0.594629	-0.627117	10.9866	11.0427	-1.03968
1	hcs013c06	1277	COL1A1	0.541251	-0.73013	10.1365	9.9647	1.12647
3	hcs013c06	1277	COL1A1	0.998225	-0.0025102	10.287	10.2881	-1.00078
5	hcs013c06	1277	COL1A1	0.489602	-0.839377	9.88983	10.1834	-1.22568
7	hcs013c06	1277	COL1A1	0.143355	-2.34825	9.30369	9.83275	-1.44299
5	hcs013c07	26284	ERAL1	0.508102	-0.798997	10.1221	10.3705	-1.18789
5	hcs013c10	90843	TCEAL8	0.801849	-0.285897	10.1409	10.3324	-1.14195
1	hcs013d01	8812	CCNK	0.0069955	11.8933	9.07509	9.82848	0.593209
5	hcs013d01	8812	CCNK	0.420081	-1.0067	9.7587	10.3758	-1.53382
7	hcs013d01	8812	CCNK	0.635376	0.553781	9.57009	9.4029	1.12287
1	hcs013d02	3691	ITGB4	0.516969	0.780157	10.0314	10.2288	0.872147
3	hcs013d02	3691	ITGB4	0.466692	-0.891587	10.5807	10.8087	-1.17123
5	hcs013d02	3691	ITGB4	0.506309	-0.802845	10.1993	10.6716	-1.38732
7	hcs013d02	3691	ITGB4	0.367535	-1.15473	9.59544	9.83792	-1.18302
1	hcs013d04	9741	LAPTM4A	0.201922	1.87311	9.6159	10.1027	0.713619
3	hcs013d04	9741	LAPTM4A	0.986285	-0.0193977	10.6291	10.6344	-1.00366
5	hcs013d04	9741	LAPTM4A	0.0675217	-3.65069	10.398	11.0432	-1.56393
7	hcs013d04	9741	LAPTM4A	0.319046	-1.31501	8.97737	10.0141	-2.05151
5	hcs013d06	9249	DHRS3	0.793327	-0.29873	10.5215	10.6535	-1.09579
1	hcs013d09	?	?	0.562714	0.687647	9.64549	9.85394	0.865469
3	hcs013d09	?	?	0.608824	0.601105	10.3646	10.2488	1.08361
5	hcs013d09	?	?	0.641825	0.542531	10.1893	10.1223	1.04755
7	hcs013d09	?	?	0.425345	0.993023	9.8607	9.65215	1.15553
1	hcs013d11	128272	ARHGEF19	0.832521	-0.240244	11.4303	11.3085	1.08807
3	hcs013d11	128272	ARHGEF19	0.379502	1.11898	11.4609	11.1461	1.24384
5	hcs013d11	128272	ARHGEF19	0.259719	1.55722	11.5948	11.2949	1.23103
7	hcs013d11	128272	ARHGEF19	0.494458	0.82863	10.4472	10.1499	1.22887
5	hcs013e02	593	BCKDHA	0.392133	-1.08263	10.0696	11.0811	-2.01605
1	hcs013e03	51434	ANAPC7	0.124329	2.56443	9.06467	9.93243	0.547996
5	hcs013e03	51434	ANAPC7	0.311862	-1.34123	9.36069	9.74904	-1.3089
1	hcs013e05	6880	TAF9	0.407676	-1.03968	9.85834	9.75307	1.07569
3	hcs013e05	6880	TAF9	0.300361	1.3848	10.409	9.65336	1.68841

5	hcs013e05	6880	TAF9	0.419919	-1.00712	9.55103	10.0755	-1.43844
7	hcs013e05	6880	TAF9	0.445926	-0.941272	9.74821	10.0026	-1.19283
1	hcs013e07	1116	CHI3L1	0.528216	0.756711	10.0915	10.6334	0.686867
3	hcs013e07	1116	CHI3L1	0.899423	0.142962	10.7819	10.7367	1.03185
5	hcs013e07	1116	CHI3L1	0.915157	-0.120421	11.0275	11.0713	-1.03082
3	hcs013e08	9894	TELO2	0.838935	-0.230793	9.82386	9.89885	-1.05335
5	hcs013e08	9894	TELO2	0.478002	-0.865489	9.61238	10.1967	-1.49937
5	hcs013e09	4097	MAFG	0.604697	-0.608613	10.0189	10.2691	-1.18942
5	hcs013e10	1495	CTNNA1	0.787655	-0.307309	10.1292	10.2753	-1.10655
3	hcs013e12			0.915356	0.120136	9.94757	9.91762	1.02098
5	hcs013e12			0.477762	-0.866037	9.5704	9.92577	-1.27931
5	hcs013f02	6203	RPS9	0.623384	-0.57495	10.4813	11.0069	-1.43948
7	hcs013f02	6203	RPS9	0.34068	-1.24015	9.4701	9.71834	-1.18775
1	hcs013f04	24138	IFIT5	0.287157	1.43744	10.1937	10.4148	0.857931
3	hcs013f04	24138	IFIT5	0.420416	1.00582	10.785	10.6364	1.10845
5	hcs013f04	24138	IFIT5	0.271956	-1.50192	10.4865	10.827	-1.26616
7	hcs013f04	24138	IFIT5	0.559211	-0.694476	9.84921	10.0155	-1.12218
1	hcs013f05	10105	PPIF	0.617431	0.585581	11.0007	11.0612	0.958908
3	hcs013f05	10105	PPIF	0.308313	1.35447	11.6791	11.2995	1.30098
5	hcs013f05	10105	PPIF	0.880838	0.16973	11.316	11.2666	1.03483
7	hcs013f05	10105	PPIF	0.598863	-0.619303	10.4828	10.6243	-1.103
1	hcs013f06	79971	WLS	0.470382	-0.883001	10.3333	10.1583	1.12896
3	hcs013f06	79971	WLS	0.212287	1.80831	10.9859	10.7042	1.21564
5	hcs013f06	79971	WLS	0.901356	0.140188	10.7761	10.7083	1.04812
7	hcs013f06	79971	WLS	0.279739	-1.46836	9.78371	10.3081	-1.43834
5	hcs013f07	31	ACACA	0.863395	-0.195017	10.4742	10.5798	-1.07597
7	hcs013f07	31	ACACA	0.388219	-1.09375	9.05152	9.99087	-1.91767
5	hcs013f08	?	?	0.728461	-0.399006	9.94863	10.3112	-1.28569
1	hcs013f09			0.289921	-1.42618	10.9933	10.8035	1.1406
3	hcs013f09			0.945751	0.0768332	10.8787	10.863	1.01095
5	hcs013f09			0.285924	-1.44251	10.5258	10.8013	-1.21038
7	hcs013f09			0.05414	-4.12123	10.0264	10.6096	-1.49822
5	hcs013f11	10929	SRSF8	0.761128	-0.347887	10.0137	10.2426	-1.1719
1	hcs013g08	2065	ERBB3	0.248206	-1.61237	9.9593	9.68803	1.20687
3	hcs013g08	2065	ERBB3	0.806741	0.27856	10.2289	10.1862	1.03008
5	hcs013g08	2065	ERBB3	0.198449	1.89583	10.4103	10.078	1.25902
7	hcs013g08	2065	ERBB3	0.0089751	10.4843	10.0192	9.31104	1.63377
5	hcs013h01	10418	SPON1	0.518424	-0.777098	9.80418	10.5385	-1.66356
5	hcs013h02	3959	LGALS3BP	0.508286	-0.798602	10.1332	10.8713	-1.66798
1	hcs013h05	7150	TOP1	0.707214	0.433039	10.2744	10.3462	0.951428
3	hcs013h05	7150	TOP1	0.5134	0.787702	10.6992	10.6013	1.07017
5	hcs013h05	7150	TOP1	0.44114	0.953073	10.5723	10.3591	1.15924
7	hcs013h05	7150	TOP1	0.196516	-1.9087	9.7572	10.0774	-1.24847
5	hcs013h07	440574	C1orf151	0.750679	-0.364091	10.2704	10.7053	-1.35173
7	hcs013h07	440574	C1orf151	0.833747	-0.238436	10.6122	10.9634	-1.27562
5	hcs013h08	26509	MYOF	0.844413	0.222745	10.8227	10.671	1.11087
5	hcs014a02	80760	ITIH5	0.709007	0.43014	9.2918	9.15134	1.10225



3	hcs014a03	987	LRBA	0.79602	0.294667	10.2926	10.1651	1.09237
5	hcs014a03	987	LRBA	0.0698881	3.58144	10.4569	9.54124	1.88644
7	hcs014a03	987	LRBA	0.837831	-0.232418	9.73126	9.79851	-1.04772
5	hcs014a05	647979	LOC647979	0.200919	-1.87962	8.69294	9.05778	-1.28774
1	hcs014b01			0.300922	-1.38263	9.66534	9.22661	1.35541
3	hcs014b01			0.31134	1.34317	9.96652	9.7965	1.12508
5	hcs014b01			0.0773528	3.38347	9.88912	9.58251	1.2368
1	hcs014b02	57162	PELI1	0.0930584	3.04472	10.197	10.8628	0.630339
3	hcs014b02	57162	PELI1	0.228955	1.7124	11.2104	10.5115	1.62334
5	hcs014b02	57162	PELI1	0.174874	2.0655	11.8027	10.7191	2.11937
7	hcs014b02	57162	PELI1	0.0262977	6.04424	11.439	10.4415	1.99649
5	hcs014b04	6155	RPL27	0.805771	-0.280014	9.96918	10.0133	-1.03102
1	hcs014b10	8725	C19orf2	0.447764	0.936776	9.53282	9.60369	0.952062
5	hcs014b10	8725	C19orf2	0.574901	0.66418	9.44153	9.33783	1.07453
1	hcs014b11	51341	ZBTB7A	0.695239	0.452524	10.9797	11.0484	0.953497
3	hcs014b11	51341	ZBTB7A	0.643368	0.539852	10.9976	10.9558	1.02937
5	hcs014b11	51341	ZBTB7A	0.384855	1.10341	11.1276	10.955	1.12711
7	hcs014b11	51341	ZBTB7A	0.783032	-0.314326	10.4965	10.5776	-1.05782
1	hcs014b12	1490	CTGF	0.461137	-0.904646	9.69219	9.34447	1.27255
3	hcs014b12	1490	CTGF	0.833333	-0.239046	9.67793	9.7345	-1.03999
5	hcs014b12	1490	CTGF	0.207069	1.84039	9.71952	9.37574	1.26908
5	hcs014c05	8660	IRS2	0.786037	0.309762	9.76886	9.73041	1.02701
1	hcs014c08	55819	RNF130	0.627983	-0.566792	9.96972	9.79324	1.13012
3	hcs014c08	55819	RNF130	0.611707	-0.595884	9.84646	9.91971	-1.05209
5	hcs014c08	55819	RNF130	0.0151695	8.02655	10.1443	9.75884	1.30628
5	hcs014c09	51557	LGSN	0.0289189	5.75212	9.70332	9.45052	1.19152
1	hcs014d01	?	?	0.326979	-1.28686	9.79232	9.54445	1.18745
3	hcs014d01	?	?	0.398297	-1.06538	10.0195	10.4625	-1.35947
5	hcs014d01	?	?	0.278824	1.47224	9.93888	9.63244	1.23666
7	hcs014d01	?	?	0.842621	0.225376	9.51309	9.45783	1.03905
1	hcs014d02	55845	C3orf10	0.260051	1.55568	12.2899	12.3884	0.934004
3	hcs014d02	55845	C3orf10	0.645931	0.535413	12.2101	12.1023	1.07753
5	hcs014d02	55845	C3orf10	0.152648	2.25662	12.6495	12.4658	1.13582
7	hcs014d02	55845	C3orf10	0.786934	-0.308402	12.2155	12.293	-1.05521
3	hcs014d03	2512	FTL	0.242739	-1.63973	9.74378	9.87626	-1.09618
5	hcs014d03	2512	FTL	0.818018	0.261732	9.92324	9.85154	1.05095
1	hcs014d09	11011	TLK2	0.617065	0.586237	10.0487	10.4069	0.780123
3	hcs014d09	11011	TLK2	0.282033	1.45869	10.8278	10.451	1.29849
5	hcs014d09	11011	TLK2	0.562115	-0.688811	10.0343	10.1508	-1.08415
7	hcs014d09	11011	TLK2	0.0390241	-4.91275	9.92965	10.3505	-1.33873
1	hcs014d10	54981	C9orf95	0.224003	1.73991	12.4999	12.8004	0.81199
3	hcs014d10	54981	C9orf95	0.985681	0.0202517	12.6002	12.592	1.00568
5	hcs014d10	54981	C9orf95	0.377592	-1.1246	12.8498	12.9752	-1.09076
7	hcs014d10	54981	C9orf95	0.697566	-0.448719	12.3836	12.5346	-1.11036
1	hcs014d11	1414	CRYBB1	0.760497	-0.348862	11.4733	11.3973	1.05409
3	hcs014d11	1414	CRYBB1	0.278971	1.47161	11.3214	11.2456	1.0539
5	hcs014d11	1414	CRYBB1	0.250344	-1.60189	11.2887	11.4103	-1.08794

7	hcs014d11	1414	CRYBB1	0.0273384	-5.92331	10.5918	11.0357	-1.36023
5	hcs014e06	?	?	0.861546	0.197708	9.39471	9.34268	1.03672
5	hcs014e08	1327	COX4I1	0.11136	2.74032	9.08319	8.76216	1.24923
5	hcs014e09	1337	COX6A1	0.384885	1.10333	9.72338	9.54675	1.13024
3	hcs014e10	1413	CRYBA4	0.487981	-0.842987	9.49495	9.73059	-1.17743
5	hcs014e10	1413	CRYBA4	0.0603461	3.88415	9.75286	9.33764	1.3335
1	hcs014e11	11224	RPL35	0.807411	0.277558	9.83243	9.86621	0.976857
3	hcs014e11	11224	RPL35	0.48059	-0.859608	9.83862	9.95235	-1.08202
5	hcs014e11	11224	RPL35	0.459503	0.908518	10.089	9.88884	1.14881
3	hcs014e12	?	?	0.327944	1.2835	9.80269	9.59394	1.15568
5	hcs014e12	?	?	0.153067	2.25267	9.6233	9.31401	1.2391
3	hcs014f01	720	C4A	0.163618	-2.15785	9.28189	9.94956	-1.58851
5	hcs014f01	720	C4A	0.775532	0.325759	9.55101	9.4235	1.09241
7	hcs014f01	720	C4A	0.122873	-2.58287	9.25709	9.70394	-1.36306
1	hcs014f02	128308	MRPL55	0.653168	0.522956	10.9533	11.0775	0.917534
3	hcs014f02	128308	MRPL55	0.215163	1.79107	10.934	10.834	1.07177
5	hcs014f02	128308	MRPL55	0.0753411	3.43403	11.9775	11.1379	1.78947
7	hcs014f02	128308	MRPL55	0.97217	0.0393732	11.0832	11.0755	1.00537
1	hcs014f03	10169	SERF2	0.915261	-0.120272	10.1978	10.1843	1.0094
3	hcs014f03	10169	SERF2	0.822648	-0.254853	10.4539	10.5288	-1.05334
5	hcs014f03	10169	SERF2	0.184647	1.99163	10.6022	10.2334	1.29131
7	hcs014f03	10169	SERF2	0.696086	0.451139	10.2372	10.1363	1.07246
1	hcs014f04	908	CCT6A	0.360857	1.17527	10.1169	10.42	0.81052
3	hcs014f04	908	CCT6A	0.753424	0.359822	10.6022	10.5016	1.07222
5	hcs014f04	908	CCT6A	0.160996	2.18062	10.9646	10.2842	1.60262
7	hcs014f04	908	CCT6A	0.308251	1.3547	10.391	10.1054	1.21892
3	hcs014f05	27020	NPTN	0.242478	-1.64106	9.6343	9.7795	-1.10588
5	hcs014f06			0.421903	-1.00194	9.11947	9.24074	-1.08769
5	hcs014f12	10755	GIPC1	0.401093	1.05765	9.12123	8.92188	1.14819
1	hcs014g02	?	?	0.114772	2.69135	9.1996	9.41644	0.860448
5	hcs014g02	?	?	0.555163	-0.702419	9.07516	9.16591	-1.06492
7	hcs014g02	?	?	0.312171	-1.34009	9.07469	9.56444	-1.4042
1	hcs014g03	25796	PGLS	0.783478	-0.313648	10.2459	9.96469	1.21521
5	hcs014g03	25796	PGLS	0.659122	0.512786	10.4297	10.2886	1.10277
7	hcs014g03	25796	PGLS	0.410486	-1.03211	9.83364	10.2866	-1.36884
5	hcs014g04	57102	C12orf4	0.778515	0.321205	9.38945	9.37106	1.01283
5	hcs014g05	9365	KL	0.405479	-1.04564	9.23842	9.39181	-1.11218
1	hcs014g06			0.721823	-0.409568	10.1378	9.98044	1.11524
3	hcs014g06			0.0556084	-4.06167	10.3216	10.7254	-1.32299
5	hcs014g06			0.782616	0.314959	10.4046	10.3256	1.05631
7	hcs014g06			0.93945	0.0857885	10.276	10.2459	1.02108
1	hcs014g07	?	?	0.332641	1.26728	10.6097	10.657	0.967746
3	hcs014g07	?	?	0.794706	0.296649	10.7201	10.5851	1.0981
5	hcs014g07	?	?	0.215341	1.79001	11.0175	10.7282	1.2221
7	hcs014g07	?	?	0.554368	0.703986	10.6752	10.5774	1.07012
3	hcs014g08	64745	METT11D1	0.0553628	-4.07147	9.53455	10.3075	-1.70874
5	hcs014g12	?	?	0.970815	-0.0412915	9.19291	9.19754	-1.00322

5	hcs014h01	2937	GSS	0.233915	-1.68561	9.04104	9.17772	-1.09937
5	hcs014h02	9612	NCOR2	0.267814	-1.52028	9.29109	9.50015	-1.15593
3	hcs014h03	?	?	0.529297	-0.754483	10.0049	10.1385	-1.09703
5	hcs014h03	?	?	0.765686	0.340859	9.03751	8.96952	1.04826
3	hcs014h04	28973	MRPS18B	0.0438787	4.61534	10.2076	10.0645	1.10428
5	hcs014h04	28973	MRPS18B	0.494619	0.828276	10.0688	9.85043	1.16345
1	hcs014h05	139596	UPRT	0.221521	-1.754	9.87078	9.53864	1.25888
3	hcs014h05	139596	UPRT	0.401918	-1.05538	9.63717	9.9535	-1.24516
5	hcs014h06			0.581058	-0.652495	9.07989	9.22187	-1.10341
1	hcs014h12	4155	MBP	0.251292	-1.59727	12.0208	11.7839	1.17846
3	hcs014h12	4155	MBP	0.234408	1.68299	11.9208	11.3646	1.47043
5	hcs014h12	4155	MBP	0.111448	2.73903	12.2268	11.797	1.34705
7	hcs014h12	4155	MBP	0.76315	-0.344767	11.3751	11.4234	-1.03402
3	hcs015a02	11170	FAM107A	0.102879	-2.8718	9.55593	9.70154	-1.10619
5	hcs015a02	11170	FAM107A	0.372474	1.13982	9.57719	9.35763	1.16438
1	hcs015a03	9997	SCO2	0.765522	0.341111	10.1503	10.2727	0.918677
3	hcs015a03	9997	SCO2	0.960424	0.0560125	10.1729	10.1555	1.01217
5	hcs015a03	9997	SCO2	0.260595	1.55315	10.1772	9.93136	1.18577
7	hcs015a03	9997	SCO2	0.489609	-0.839361	9.91523	9.97859	-1.04489
1	hcs015a04	3105	HLA-A	0.202749	1.86778	12.826	13.1499	0.798889
3	hcs015a04	3105	HLA-A	0.922636	-0.109738	12.8036	12.8226	-1.01326
5	hcs015a04	3105	HLA-A	0.470397	0.882965	13.2296	13.0409	1.13971
7	hcs015a04	3105	HLA-A	0.343115	-1.23208	12.6257	12.8585	-1.17509
1	hcs015a05	4629	MYH11	0.395779	1.07239	10.144	10.4619	0.802237
3	hcs015a05	4629	MYH11	0.467468	-0.889775	10.7912	10.8796	-1.06319
5	hcs015a05	4629	MYH11	0.315907	1.32638	10.6811	9.97324	1.63336
7	hcs015a05	4629	MYH11	0.245665	-1.62499	10.0217	10.3157	-1.22603
3	hcs015a06	203068	TUBB	0.929614	-0.0997889	12.5368	12.562	-1.01762
5	hcs015a06	203068	TUBB	0.902022	0.139231	12.5793	12.5669	1.00863
7	hcs015a06	203068	TUBB	0.0006889	-38.0799	11.3861	12.2281	-1.79262
3	hcs015a07	?	?	0.970517	0.0417131	10.2353	10.2065	1.02016
5	hcs015a07	?	?	0.449895	-0.931589	9.63108	10.1044	-1.38833
1	hcs015a10	81932	HDHD3	0.805055	-0.281086	9.46105	9.32	1.10271
5	hcs015a10	81932	HDHD3	0.347509	1.21769	9.19079	8.86943	1.24951
1	hcs015b06	?	?	0.943371	0.0802149	12.7505	12.7605	0.993093
3	hcs015b06	?	?	0.487514	0.84403	12.968	12.8264	1.10313
5	hcs015b06	?	?	0.952467	0.0672978	12.8293	12.8179	1.00791
7	hcs015b06	?	?	0.112165	-2.72857	12.3964	12.6868	-1.22301
3	hcs015b08	831	CAST	0.969508	-0.0431418	9.59279	9.60674	-1.00972
5	hcs015b08	831	CAST	0.470896	0.881811	9.69756	9.45923	1.17962
1	hcs015b12	?	?	0.401813	-1.05567	9.9722	9.60011	1.29423
3	hcs015b12	?	?	0.717927	0.415795	9.66496	9.59008	1.05327
5	hcs015b12	?	?	0.217207	1.77899	9.88507	9.51168	1.29539
7	hcs015b12	?	?	0.338944	1.24594	9.54129	9.4529	1.06318
1	hcs015c02	4134	MAP4	0.292988	1.41383	10.5043	10.8434	0.790534
3	hcs015c02	4134	MAP4	0.913322	0.123045	10.8852	10.8555	1.0208
5	hcs015c02	4134	MAP4	0.0864722	3.176	11.2924	10.822	1.38549

7	hcs015c02	4134	MAP4	0.246736	1.61966	10.738	10.5467	1.14174
5	hcs015c03	118	ADD1	0.479622	0.861804	9.28563	8.95082	1.26121
3	hcs015c05	56947	MFF	0.959058	-0.0579493	10.2628	10.3087	-1.03232
1	hcs015c06	873	CBR1	0.198479	-1.89562	10.1276	9.83477	1.22504
3	hcs015c06	873	CBR1	0.673744	0.488103	10.5016	10.3245	1.13066
5	hcs015c06	873	CBR1	0.066255	3.68922	10.3637	9.93045	1.35024
7	hcs015c06	873	CBR1	0.0330916	5.35981	9.91626	9.64775	1.20456
3	hcs015c07	389541	C7orf59	0.572629	0.668521	10.8831	10.6758	1.15458
1	hcs015c08	3337	DNAJB1	0.548726	-0.71516	10.1004	9.79343	1.23711
3	hcs015c08	3337	DNAJB1	0.792408	0.300117	10.1378	10.0095	1.09299
5	hcs015c08	3337	DNAJB1	0.313031	1.33692	10.1663	9.77124	1.31497
3	hcs015c09	6576	SLC25A1	0.0001111	94.8313	10.7145	10.0737	1.55915
5	hcs015c09	6576	SLC25A1	0.530706	0.751586	9.72259	9.56949	1.11196
7	hcs015c09	6576	SLC25A1	0.387613	1.09549	9.75014	9.55779	1.14262
1	hcs015c11	6230	RPS25	0.472375	0.878392	11.8718	12.1333	0.834201
3	hcs015c11	6230	RPS25	0.505108	-0.805431	11.7476	11.9608	-1.15926
5	hcs015c11	6230	RPS25	0.551354	0.709941	12.3548	12.2401	1.08275
7	hcs015c11	6230	RPS25	0.574326	-0.665277	11.6297	11.9087	-1.21335
1	hcs015c12	27436	EML4	0.0914086	3.07633	9.48178	9.63941	0.896497
3	hcs015c12	27436	EML4	0.361691	-1.17268	9.51854	9.8704	-1.2762
5	hcs015c12	27436	EML4	0.0023076	-20.781	9.29436	9.57556	-1.21521
7	hcs015c12	27436	EML4	0.220452	-1.76014	9.2422	9.52702	-1.21825
5	hcs015d01	10943	MSL3	0.465325	0.894784	9.38479	8.85673	1.44199
3	hcs015d02	?	?	0.799757	0.289041	9.42541	9.37823	1.03324
5	hcs015d02	?	?	0.85795	0.202947	9.55821	9.46721	1.06511
1	hcs015d08	3281	HSBP1	0.679848	0.477918	9.64973	9.71546	0.955464
3	hcs015d08	3281	HSBP1	0.730956	0.395053	10.1362	10.1055	1.02154
5	hcs015d08	3281	HSBP1	0.0074338	11.5335	9.79933	9.59525	1.15195
5	hcs015d09	5436	POLR2G	0.706725	-0.43383	9.17537	9.23712	-1.04373
5	hcs015d10	9993	DGCR2	0.547479	0.717644	9.4384	9.31807	1.08699
1	hcs015d12	516	ATP5G1	0.0915421	-3.07375	10.4909	10.2509	1.18101
3	hcs015d12	516	ATP5G1	0.864244	0.193782	10.278	10.2095	1.04861
5	hcs015d12	516	ATP5G1	0.851818	0.2119	10.2836	10.2381	1.03204
7	hcs015d12	516	ATP5G1	0.356517	-1.18886	9.75464	10.0363	-1.21556
1	hcs015e02	3646	EIF3E	0.646972	0.533615	10.4744	10.796	0.800164
3	hcs015e02	3646	EIF3E	0.0528352	-4.17616	10.6201	11.0874	-1.38252
5	hcs015e02	3646	EIF3E	0.205367	1.85109	11.1933	10.7679	1.34294
7	hcs015e02	3646	EIF3E	0.455843	-0.917246	10.1024	10.6839	-1.49645
1	hcs015e03	23589	CARHSP1	0.734032	-0.390189	9.95106	9.84208	1.07847
3	hcs015e03	23589	CARHSP1	0.247897	1.6139	10.5713	10.3901	1.13384
5	hcs015e03	23589	CARHSP1	0.927369	0.102988	9.95853	9.92405	1.02419
7	hcs015e03	23589	CARHSP1	0.47781	0.865926	9.85184	9.69586	1.11418
5	hcs015e04	27153	ZNF777	0.159875	2.19051	10.3383	9.82514	1.42717
1	hcs015e06	?	?	0.272569	-1.49923	9.73858	9.4916	1.18672
3	hcs015e06	?	?	0.703622	0.43886	9.71109	9.58854	1.08866
5	hcs015e06	?	?	0.0711772	3.54512	9.92766	9.64304	1.21809
7	hcs015e06	?	?	0.138544	2.39899	9.42839	9.38586	1.02992

5	hcs015e09	440823	MIAT	0.619636	0.581634	9.05138	8.92167	1.09407
1	hcs015e10			0.726634	0.401906	12.9722	13.0675	0.936056
3	hcs015e10			0.231226	-1.70004	12.5753	12.864	-1.22151
5	hcs015e10			0.839322	0.230224	13.2641	13.2167	1.03335
7	hcs015e10			0.29281	-1.41455	12.5505	12.9537	-1.32241
1	hcs015e12	?	?	0.130155	2.49359	11.5955	12.2171	0.64995
3	hcs015e12	?	?	0.888367	-0.158867	12.0795	12.1256	-1.03252
5	hcs015e12	?	?	0.702507	0.440671	12.3898	12.2905	1.07128
7	hcs015e12	?	?	0.160733	2.18293	12.1528	11.7826	1.29253
5	hcs015f01	3982	LIM2	0.113062	-2.71563	8.97068	9.13615	-1.12153
1	hcs015f03	?	?	0.682405	-0.473671	9.84692	9.78039	1.04719
3	hcs015f03	?	?	0.745381	0.372358	10.2198	10.0755	1.10522
5	hcs015f03	?	?	0.141332	2.3693	10.6615	10.2622	1.31887
7	hcs015f03	?	?	0.410762	1.03137	9.86403	9.72456	1.1015
1	hcs015f04	1002	CDH4	0.673476	-0.488553	9.99888	9.94926	1.03499
3	hcs015f04	1002	CDH4	0.775748	0.325428	10.3101	10.2101	1.07174
5	hcs015f04	1002	CDH4	0.246445	1.6211	10.3731	10.068	1.2355
7	hcs015f04	1002	CDH4	0.745226	0.3726	10.0575	10.0094	1.03391
3	hcs015f06	54940	OCIAD1	0.516431	0.781291	10.156	9.89378	1.1993
5	hcs015f06	54940	OCIAD1	0.0277311	5.87942	10.3841	9.61936	1.69907
5	hcs015f10	?	?	0.471849	-0.879606	9.15811	9.30997	-1.111
1	hcs015f11	6160	RPL31	0.161536	2.17589	11.2205	11.6889	0.722749
3	hcs015f11	6160	RPL31	0.710136	-0.428318	11.3619	11.4146	-1.03723
5	hcs015f11	6160	RPL31	0.491109	0.836031	11.673	11.49	1.13524
7	hcs015f11	6160	RPL31	0.543022	-0.726565	11.119	11.4335	-1.24364
3	hcs015f12	143384	C10orf46	0.658788	-0.513355	9.57568	9.74734	-1.12635
5	hcs015f12	143384	C10orf46	0.167469	2.12531	9.78286	9.58693	1.14546
7	hcs015f12	143384	C10orf46	0.757617	0.353317	9.36091	9.27436	1.06183
1	hcs015g01	6222	RPS18	0.698525	0.447154	12.5162	12.6143	0.934284
3	hcs015g01	6222	RPS18	0.787705	-0.307234	12.0198	12.0731	-1.03764
5	hcs015g01	6222	RPS18	0.283193	-1.45384	12.5188	12.6407	-1.08812
7	hcs015g01	6222	RPS18	0.218163	-1.7734	11.6389	12.0881	-1.36525
1	hcs015g02	56731	SLC2A4RG	0.277342	1.47857	9.90208	10.4167	0.699961
3	hcs015g02	56731	SLC2A4RG	0.370147	-1.14681	10.1345	10.3527	-1.16328
5	hcs015g02	56731	SLC2A4RG	0.546322	0.719953	10.3315	10.2358	1.0686
7	hcs015g02	56731	SLC2A4RG	0.173794	-2.07401	9.67316	10.1802	-1.42109
1	hcs015g03	?	?	0.643406	0.539786	9.69978	9.90726	0.86605
3	hcs015g03	?	?	0.805861	0.279879	10.0356	9.97027	1.04633
5	hcs015g03	?	?	0.133919	2.45012	10.3403	9.73131	1.52516
7	hcs015g03	?	?	0.293072	1.4135	9.9772	9.6975	1.21394
3	hcs015g04	83696	TRAPPC9	0.400245	-1.05998	9.25552	9.53756	-1.21591
5	hcs015g04	83696	TRAPPC9	0.957888	-0.0596089	9.14252	9.16053	-1.01256
3	hcs015g09	1421	CRYGD	0.906653	-0.132592	9.96631	10.0161	-1.0351
5	hcs015g11	6134	RPL10	0.647894	-0.532024	14.1571	14.2327	-1.05375
7	hcs015g11	6134	RPL10	0.249216	-1.60741	13.8816	14.3119	-1.34745
1	hcs015h01	?	?	0.583081	0.648679	9.97972	10.1383	0.895936
3	hcs015h01	?	?	0.0998876	-2.92191	9.86171	10.3868	-1.43904

5	hcs015h01	?	?	0.40387	1.05003	10.7041	10.1834	1.43472
7	hcs015h01	?	?	0.397316	-1.0681	9.74554	10.0932	-1.27248
1	hcs015h02	55614	KIF16B	0.739505	0.381569	10.7216	10.7738	0.964442
3	hcs015h02	55614	KIF16B	0.939121	-0.0862563	10.9042	10.9389	-1.02434
5	hcs015h02	55614	KIF16B	0.551718	0.70922	10.9697	10.8115	1.11587
7	hcs015h02	55614	KIF16B	0.342787	1.23316	10.7279	10.6387	1.0638
5	hcs015h08	3958	LGALS3	0.655665	0.518682	9.47153	9.37646	1.06812
1	hcs015h10	?	?	0.37767	1.12437	10.7914	10.9704	0.883288
3	hcs015h10	?	?	0.978243	0.030776	10.6646	10.6571	1.00523
5	hcs015h10	?	?	0.873661	-0.180114	10.53	10.5707	-1.02857
7	hcs015h10	?	?	0.244623	-1.63022	9.81749	10.3089	-1.40584
5	hcs015h11			0.73083	0.395251	9.10554	9.02576	1.05686
3	hcs015h12	55109	AGGF1	0.220104	-1.76214	9.18384	9.43947	-1.19385
5	hcs015h12	55109	AGGF1	0.819692	0.259242	9.27998	9.24378	1.02541
7	hcs015h12	55109	AGGF1	0.295574	-1.40355	8.9462	9.15259	-1.1538
1	hcs016a11	310	ANXA7	0.957395	-0.0603077	10.9284	10.9163	1.0084
3	hcs016a11	310	ANXA7	0.272984	-1.49741	10.8073	11.0517	-1.1846
5	hcs016a11	310	ANXA7	0.979813	0.0285541	11.0488	11.0436	1.00361
7	hcs016a11	310	ANXA7	0.605594	-0.606978	10.2786	10.4596	-1.13369
1	hcs016b01	55573	CDV3	0.93815	-0.0876362	10.3661	10.3512	1.01038
3	hcs016b01	55573	CDV3	0.49072	0.836893	10.7601	10.5631	1.1463
5	hcs016b01	55573	CDV3	0.0400387	4.84624	10.7279	10.4497	1.21269
7	hcs016b01	55573	CDV3	0.279608	-1.46891	9.91799	10.2639	-1.27097
1	hcs016b03	8425	LTBP4	0.450787	-0.929426	11.1966	11.0404	1.11435
3	hcs016b03	8425	LTBP4	0.6281	-0.566585	10.7838	10.8788	-1.06807
5	hcs016b03	8425	LTBP4	0.310627	1.34582	11.4212	11.1076	1.24283
7	hcs016b03	8425	LTBP4	0.80368	0.283149	10.8363	10.7604	1.05402
1	hcs016b12	7388	UQCRH	0.252603	1.59093	10.4979	10.6846	0.878634
3	hcs016b12	7388	UQCRH	0.49875	0.819222	10.6493	10.4688	1.13325
5	hcs016b12	7388	UQCRH	0.0447067	4.56941	10.8709	10.6126	1.19601
7	hcs016b12	7388	UQCRH	0.796742	-0.293579	10.1432	10.1843	-1.02887
1	hcs016c05	5878	RAB5C	0.0782522	3.36148	9.94423	10.2813	0.791664
3	hcs016c05	5878	RAB5C	0.502155	-0.811814	10.5697	10.6783	-1.07819
5	hcs016c05	5878	RAB5C	0.369044	1.15015	10.2805	9.98481	1.22751
7	hcs016c05	5878	RAB5C	0.344014	1.22912	10.0292	9.79133	1.17921
5	hcs016c06	23193	GANAB	0.068205	3.63034	9.96475	9.49231	1.38745
1	hcs016d03	8943	AP3D1	0.441629	-0.951862	10.3767	10.2845	1.066
3	hcs016d03	8943	AP3D1	0.89621	-0.147578	10.3722	10.4235	-1.03621
5	hcs016d03	8943	AP3D1	0.26417	1.53673	10.5581	10.3182	1.18091
7	hcs016d03	8943	AP3D1	0.212586	-1.8065	9.9763	10.2829	-1.23676
1	hcs016d04	23559	WBP1	0.216008	-1.78606	9.46995	9.37165	1.07051
3	hcs016d04	23559	WBP1	0.550028	-0.712572	9.56731	9.6855	-1.08537
5	hcs016d04	23559	WBP1	0.991815	0.0115759	9.23283	9.23186	1.00067
1	hcs016d05	54726	OTUD4	0.799333	-0.289678	9.71022	9.68724	1.01606
3	hcs016d05	54726	OTUD4	0.153139	-2.25199	9.82105	10.1682	-1.27202
5	hcs016d05	54726	OTUD4	0.596716	0.62326	9.85925	9.71107	1.10818
7	hcs016d05	54726	OTUD4	0.604198	-0.609524	9.58384	9.6373	-1.03775

1	hcs016d06	773	CACNA1A	0.805892	0.279832	9.64397	9.69788	0.963324
5	hcs016d06	773	CACNA1A	0.334754	1.26007	9.88866	9.69151	1.14643
5	hcs016d07	29923	C7orf68	0.507628	0.800013	9.01532	8.76493	1.18953
5	hcs016d09	?	?	0.300353	1.38484	9.43263	9.17925	1.192
1	hcs016d10	5337	PLD1	0.589476	0.636694	10.9943	11.1775	0.880727
3	hcs016d10	5337	PLD1	0.88864	0.158472	10.9671	10.9205	1.0328
5	hcs016d10	5337	PLD1	0.301502	1.38039	11.5127	11.1948	1.24651
7	hcs016d10	5337	PLD1	0.715207	-0.420158	10.9408	11.0475	-1.07676
1	hcs016d12	84988	PPP1R16A	0.707305	-0.432891	9.73759	9.63427	1.07424
3	hcs016d12	84988	PPP1R16A	0.89407	0.150655	9.57907	9.52871	1.03552
5	hcs016d12	84988	PPP1R16A	0.0767164	3.39926	9.76648	9.47382	1.2249
1	hcs016e01	22919	MAPRE1	0.261654	-1.54826	10.4535	10.3076	1.10642
3	hcs016e01	22919	MAPRE1	0.848059	0.217401	10.6074	10.5661	1.02899
5	hcs016e01	22919	MAPRE1	0.480362	0.860124	10.5827	10.4751	1.07741
7	hcs016e01	22919	MAPRE1	0.5274	-0.758396	10.018	10.1766	-1.11624
3	hcs016e06	100507297	LOC100507	0.421803	-1.0022	9.91274	10.2385	-1.25332
5	hcs016e06	100507297	LOC100507	0.270633	1.50774	9.77485	9.589	1.13749
1	hcs016e07			0.0134707	8.52869	9.91759	10.1773	0.835235
3	hcs016e07			0.657719	-0.515176	10.3204	10.4544	-1.09728
5	hcs016e07			0.0425107	-4.69408	10.0332	10.3239	-1.22325
1	hcs016e09	?	?	0.192722	1.93446	10.4038	10.8865	0.715637
3	hcs016e09	?	?	0.926956	0.103576	10.7699	10.7393	1.02141
5	hcs016e09	?	?	0.271756	1.50279	11.0283	10.6411	1.30782
7	hcs016e09	?	?	0.165776	2.13949	10.8162	10.6235	1.14294
1	hcs016e10	6421	SFPQ	0.298678	-1.39135	10.0445	9.86156	1.13519
3	hcs016e10	6421	SFPQ	0.78204	0.315836	10.2199	10.1479	1.05124
5	hcs016e10	6421	SFPQ	0.148266	2.29884	10.3256	10.0113	1.24333
7	hcs016e10	6421	SFPQ	0.0411865	4.77392	9.79433	9.61285	1.13405
1	hcs016e11	10311	DSCR3	0.172723	-2.08252	10.5906	10.3379	1.19147
3	hcs016e11	10311	DSCR3	0.446874	0.938951	10.6793	10.4744	1.15256
5	hcs016e11	10311	DSCR3	0.0209167	6.80544	10.7989	10.3894	1.32828
7	hcs016e11	10311	DSCR3	0.846379	-0.219862	10.0427	10.0503	-1.00521
1	hcs016f03	9166	EBAG9	0.489292	0.840067	12.0281	12.1307	0.931331
3	hcs016f03	9166	EBAG9	0.131103	2.48247	12.1204	11.7832	1.26327
5	hcs016f03	9166	EBAG9	0.131294	2.48025	12.3322	12.1239	1.15527
7	hcs016f03	9166	EBAG9	0.616852	-0.586619	11.9212	12.0228	-1.07301
1	hcs016f05	?	?	0.193108	-1.93181	10.1896	9.61814	1.48603
5	hcs016f05	?	?	0.196922	1.90598	10.3484	9.91504	1.35035
1	hcs016f06			0.14026	2.38061	11.1213	11.6881	0.675128
3	hcs016f06			0.85973	-0.200353	11.7272	11.7648	-1.02638
5	hcs016f06			0.541846	0.728932	12.0379	11.8593	1.13179
7	hcs016f06			0.472963	0.877037	11.8802	11.6324	1.1874
1	hcs016f07	9550	ATP6V1G1	0.377802	1.12398	9.79034	10.091	0.811864
3	hcs016f07	9550	ATP6V1G1	0.544902	-0.722794	10.0497	10.1985	-1.1086
5	hcs016f07	9550	ATP6V1G1	0.732631	0.392402	10.1643	10.0885	1.05394
7	hcs016f07	9550	ATP6V1G1	0.198487	-1.89557	9.71981	9.79958	-1.05685
1	hcs016f08	2949	GSTM5	0.933945	-0.0936211	10.5016	10.4871	1.0101

3	hcs016f08	2949	GSTM5	0.725698	0.403395	10.5657	10.4367	1.09354
5	hcs016f08	2949	GSTM5	0.141925	2.36308	10.8654	10.4895	1.29765
7	hcs016f08	2949	GSTM5	0.758998	0.351179	10.1251	10.0801	1.03169
1	hcs016f09	2033	EP300	0.0941817	3.02365	9.64038	9.80196	0.894045
3	hcs016f09	2033	EP300	0.875436	0.177544	9.74976	9.66967	1.05709
5	hcs016f09	2033	EP300	0.313853	1.33389	9.95182	9.63692	1.24392
5	hcs016f11	?	?	0.951841	0.0681855	8.52142	8.51059	1.00753
5	hcs016f12	254863	C17orf61	0.524767	0.763851	9.57554	9.42682	1.10859
1	hcs016g06	79901	CYBRD1	0.50874	-0.797631	10.2399	9.99431	1.18557
3	hcs016g06	79901	CYBRD1	0.68309	0.472535	10.6094	10.4613	1.10812
5	hcs016g06	79901	CYBRD1	0.0663556	3.68612	10.3482	9.91177	1.35328
1	hcs016g10	6205	RPS11	0.145354	-2.32787	10.0265	9.65512	1.29359
3	hcs016g10	6205	RPS11	0.218535	-1.77123	10.107	10.2912	-1.13618
5	hcs016g10	6205	RPS11	0.288657	1.43131	9.70716	9.54018	1.12271
1	hcs017a02	800	CALD1	0.619082	0.582623	9.83827	10.216	0.769639
3	hcs017a02	800	CALD1	0.228472	-1.71505	9.90293	10.6642	-1.69494
5	hcs017a02	800	CALD1	0.205881	1.84785	10.5664	10.1152	1.36718
1	hcs017a06	9491	PSMF1	0.701528	0.442262	9.9875	10.1001	0.924909
3	hcs017a06	9491	PSMF1	0.979728	-0.0286749	10.1466	10.1608	-1.00986
5	hcs017a06	9491	PSMF1	0.165783	2.13944	10.5842	9.97053	1.53011
7	hcs017a06	9491	PSMF1	0.900228	0.141806	9.97095	9.95837	1.00876
1	hcs017a08	103910	MYL12B	0.299186	1.38937	10.4273	10.8814	0.729982
3	hcs017a08	103910	MYL12B	0.0619942	3.82708	11.0554	10.9389	1.0841
5	hcs017a08	103910	MYL12B	0.0252029	6.17935	11.2358	10.8006	1.35214
7	hcs017a08	103910	MYL12B	0.888244	-0.159043	10.805	10.8634	-1.04136
1	hcs017a09	283131	NEAT1	0.102257	2.88205	9.30794	10.8329	0.347497
3	hcs017a09	283131	NEAT1	0.0497465	-4.31447	9.22396	10.777	-2.93428
5	hcs017a09	283131	NEAT1	0.0811511	-3.293	9.88954	10.7608	-1.82926
7	hcs017a09	283131	NEAT1	0.0574575	-3.98986	9.18422	10.6784	-2.81701
5	hcs017a11	2766	GMPR	0.944042	-0.0792612	8.61307	8.63101	-1.01252
1	hcs017a12	?	?	0.708694	-0.430645	10.7071	10.6302	1.05472
3	hcs017a12	?	?	0.481698	0.857099	10.6783	10.2933	1.3058
5	hcs017a12	?	?	0.114264	2.69852	10.91	10.447	1.37841
7	hcs017a12	?	?	0.208574	1.83103	10.2835	10.213	1.05006
3	hcs017b03	10159	ATP6AP2	0.198044	-1.89851	10.1004	10.2801	-1.13268
5	hcs017b03	10159	ATP6AP2	0.0158366	7.85167	10.1582	9.98671	1.12619
1	hcs017b06	79022	TMEM106C	0.297859	-1.39456	9.81421	9.70087	1.08173
3	hcs017b07	6275	S100A4	0.864022	0.194104	9.81131	9.7564	1.0388
5	hcs017b07	6275	S100A4	0.257157	1.56922	9.18855	8.87242	1.24499
7	hcs017b07	6275	S100A4	0.696738	0.450072	9.30107	9.22515	1.05403
1	hcs017b08	84687	PPP1R9B	0.109497	2.76797	10.4051	10.6669	0.834028
3	hcs017b08	84687	PPP1R9B	0.786325	-0.309326	10.5688	10.7207	-1.11106
5	hcs017b08	84687	PPP1R9B	0.257004	1.56994	10.9731	10.4368	1.45027
7	hcs017b08	84687	PPP1R9B	0.152208	2.26079	10.5646	10.1772	1.30808
5	hcs017b09			0.423639	0.997432	9.50705	9.18697	1.2484
1	hcs017b10	2355	FOSL2	0.996993	-0.0042525	9.85254	9.85125	1.00089
3	hcs017b10	2355	FOSL2	0.767948	-0.33738	9.85507	9.99753	-1.10378



5	hcs017b10	2355	FOSL2	0.358857	1.18151	10.152	9.84285	1.23894
7	hcs017b10	2355	FOSL2	0.455863	0.917199	9.69872	9.57434	1.09004
5	hcs017c03	6468	FBXW4	0.44872	0.934447	9.18255	8.96435	1.16328
7	hcs017c03	6468	FBXW4	0.895997	0.147885	9.20073	9.16323	1.02633
5	hcs017c05	3122	HLA-DRA	0.951738	-0.0683325	9.19277	9.21031	-1.01223
7	hcs017c05	3122	HLA-DRA	0.236547	-1.67169	9.31576	9.67107	-1.27925
1	hcs017c07	200185	KRTCAP2	0.333404	1.26467	10.3727	10.6734	0.811877
3	hcs017c07	200185	KRTCAP2	0.99915	0.0012017	10.5626	10.5621	1.00037
5	hcs017c07	200185	KRTCAP2	0.364833	1.16299	10.8643	10.6428	1.16595
7	hcs017c07	200185	KRTCAP2	0.778262	0.321591	10.5262	10.4709	1.03908
1	hcs017c08	83443	SF3B5	0.781237	-0.317058	9.89709	9.82057	1.05447
3	hcs017c08	83443	SF3B5	0.641228	-0.543568	10.2866	10.4205	-1.0972
5	hcs017c08	83443	SF3B5	0.326635	1.28807	10.3878	9.92917	1.3742
7	hcs017c08	83443	SF3B5	0.621625	0.578083	9.98549	9.86957	1.08367
1	hcs017c10	1994	ELAVL1	0.185506	-1.98539	10.0104	9.69947	1.24051
3	hcs017c10	1994	ELAVL1	0.442654	-0.949325	9.87339	10.2396	-1.289
5	hcs017c10	1994	ELAVL1	0.0572841	3.99645	10.1051	9.96947	1.09857
7	hcs017c10	1994	ELAVL1	0.643986	-0.538781	9.67751	9.75069	-1.05203
1	hcs017d02	1778	DYNC1H1	0.554178	0.704359	11.0306	11.0966	0.955305
3	hcs017d02	1778	DYNC1H1	0.256724	1.57126	11.3147	11.0422	1.2079
5	hcs017d02	1778	DYNC1H1	0.0396789	4.86954	11.7316	10.7908	1.91959
7	hcs017d02	1778	DYNC1H1	0.320524	1.3097	11.1838	10.7929	1.31121
1	hcs017d03	7965	AIMP2	0.47309	0.876745	10.375	10.6522	0.825191
3	hcs017d03	7965	AIMP2	0.464046	-0.897786	10.6146	10.6942	-1.0567
5	hcs017d03	7965	AIMP2	0.552753	0.707173	11.0026	10.6554	1.27215
7	hcs017d03	7965	AIMP2	0.297928	-1.39429	10.2235	10.5479	-1.25214
1	hcs017d04	?	?	0.801579	0.286303	10.0192	10.0696	0.965668
3	hcs017d04	?	?	0.450661	-0.929732	10.0826	10.1627	-1.05706
5	hcs017d04	?	?	0.403253	-1.05172	10.0099	10.2293	-1.16421
3	hcs017d05			0.454517	0.920425	10.0706	9.60346	1.3824
5	hcs017d05			0.272282	1.50049	9.1737	8.82823	1.27057
1	hcs017d07	?	?	0.121713	-2.59778	10.956	10.6112	1.26994
3	hcs017d07	?	?	0.962831	0.0526016	10.8352	10.8167	1.01293
5	hcs017d07	?	?	0.362834	1.16914	10.8173	10.5797	1.17898
7	hcs017d07	?	?	0.852936	-0.210267	10.1482	10.1644	-1.01125
3	hcs017d08			0.238761	-1.66014	9.62708	9.81779	-1.14133
5	hcs017d08			0.350366	1.20845	9.71726	9.33332	1.3049
1	hcs017d09	6414	SEPP1	0.141896	2.36338	12.6341	13.7291	0.468136
3	hcs017d09	6414	SEPP1	0.584733	-0.645572	13.4867	13.6781	-1.14184
5	hcs017d09	6414	SEPP1	0.833462	0.238856	13.7716	13.6954	1.05424
7	hcs017d09	6414	SEPP1	0.292823	1.41449	13.8655	13.2854	1.49495
1	hcs017d12	5869	RAB5B	0.827384	0.247836	12.5259	12.5777	0.964732
3	hcs017d12	5869	RAB5B	0.0924488	3.05631	12.3813	12.2116	1.1248
5	hcs017d12	5869	RAB5B	0.525186	-0.762981	12.5506	12.6297	-1.05636
7	hcs017d12	5869	RAB5B	0.271844	-1.50241	11.8025	12.3635	-1.47533
1	hcs017e02	6168	RPL37A	0.327135	-1.28632	10.0984	9.87416	1.16816
3	hcs017e02	6168	RPL37A	0.911629	-0.125466	9.95811	9.99891	-1.02868

5	hcs017e02	6168	RPL37A	0.231188	1.70025	10.3999	10.0482	1.27606
7	hcs017e02	6168	RPL37A	0.0965386	2.98059	9.96902	9.6258	1.26858
1	hcs017e03	11145	PLA2G16	0.262312	1.54523	9.32364	9.65279	0.796007
5	hcs017e03	11145	PLA2G16	0.402606	1.05349	9.75679	9.55149	1.15293
7	hcs017e03	11145	PLA2G16	0.266461	-1.52635	9.36077	9.59045	-1.17258
3	hcs017e04	6506	SLC1A2	0.227409	1.7209	10.0177	9.62215	1.31547
1	hcs017e06	10155	TRIM28	0.510103	0.794717	10.4569	10.5853	0.914825
3	hcs017e06	10155	TRIM28	0.665708	0.501619	10.6256	10.5212	1.07505
5	hcs017e06	10155	TRIM28	0.171144	2.09519	10.8345	10.4917	1.26822
7	hcs017e06	10155	TRIM28	0.451848	0.926859	10.4898	10.4215	1.04846
1	hcs017e08	?	?	0.336368	1.2546	12.8849	13.2042	0.801459
3	hcs017e08	?	?	0.910621	0.12691	13.3123	13.2656	1.0329
5	hcs017e08	?	?	0.776846	-0.323752	12.961	13.0431	-1.05861
7	hcs017e08	?	?	0.895178	0.149061	13.2314	13.1836	1.03371
1	hcs017e09	9588	PRDX6	0.659074	0.512869	9.9733	10.0277	0.962997
3	hcs017e09	9588	PRDX6	0.965495	0.048826	10.2708	10.2582	1.00877
5	hcs017e09	9588	PRDX6	0.0918658	3.06749	10.3633	9.916	1.36349
7	hcs017e09	9588	PRDX6	0.549958	0.71271	10.0603	9.88814	1.12677
1	hcs017e10	23243	ANKRD28	0.877147	-0.175067	13.355	13.3301	1.01743
3	hcs017e10	23243	ANKRD28	0.342975	1.23254	12.9994	12.8975	1.07314
5	hcs017e10	23243	ANKRD28	0.291515	-1.41974	13.1405	13.2853	-1.10555
7	hcs017e10	23243	ANKRD28	0.401027	-1.05783	12.9263	13.2251	-1.23015
1	hcs017e11	25994	HIGD1A	0.912598	-0.12408	10.0784	10.0592	1.01343
3	hcs017e11	25994	HIGD1A	0.704572	0.437318	10.2891	10.1882	1.07248
5	hcs017e11	25994	HIGD1A	0.569376	0.674763	10.3949	10.2282	1.12246
7	hcs017e11	25994	HIGD1A	0.997471	-0.0035759	9.96863	9.96948	-1.00059
1	hcs017f02	?	?	0.722836	-0.407951	9.67872	9.5368	1.10338
3	hcs017f02	?	?	0.477863	0.865806	10.2016	10.0211	1.13329
5	hcs017f02	?	?	0.961637	-0.05429319	9.38138	9.39868	-1.01206
1	hcs017f03	?	?	0.975911	0.0340773	9.7585	9.76644	0.994514
3	hcs017f03	?	?	0.772336	0.330648	9.88486	9.82909	1.03941
5	hcs017f03	?	?	0.428343	-0.985317	9.33899	9.45203	-1.08151
1	hcs017f04	?	?	0.0883011	3.13815	10.3633	10.7025	0.790461
3	hcs017f04	?	?	0.646905	-0.533731	10.7237	10.84	-1.08395
5	hcs017f04	?	?	0.212808	1.80516	11.089	10.7204	1.29113
7	hcs017f04	?	?	0.316636	1.32372	10.7997	10.5897	1.15666
5	hcs017f05	?	?	0.951972	0.0680009	9.37714	9.35568	1.01499
3	hcs017f08	54555	DDX49	0.865694	0.191674	9.9659	9.93631	1.02072
5	hcs017f08	54555	DDX49	0.129078	2.50634	9.84319	9.68496	1.11591
1	hcs017f09	1420	CRYGC	0.41538	-1.01907	9.84865	9.48942	1.28274
5	hcs017f09	1420	CRYGC	0.269576	1.51242	9.51334	9.09125	1.33987
1	hcs017f10	84307	ZNF397	0.0981436	2.95211	10.2699	10.9143	0.639774
3	hcs017f10	84307	ZNF397	0.13891	-2.39504	10.3977	10.8363	-1.35532
5	hcs017f10	84307	ZNF397	0.900504	-0.141411	10.9256	10.946	-1.01424
7	hcs017f10	84307	ZNF397	0.0232594	-6.442	10.1227	10.5961	-1.38835
1	hcs017f11	?	?	0.260964	1.55144	10.4984	10.9562	0.728113
3	hcs017f11	?	?	0.789302	0.304814	10.9215	10.8742	1.03333

5	hcs017f11	?	?	0.114906	2.68946	11.3307	10.9962	1.26094
7	hcs017f11	?	?	0.822754	-0.254696	10.4716	10.5403	-1.04881
1	hcs017f12	8907	AP1M1	0.956839	0.0610965	10.4863	10.4953	0.993781
3	hcs017f12	8907	AP1M1	0.657981	-0.514729	10.2807	10.4916	-1.15742
5	hcs017f12	8907	AP1M1	0.301724	1.37954	10.6971	10.4804	1.16207
7	hcs017f12	8907	AP1M1	0.252342	-1.59219	9.93129	10.1167	-1.13718
1	hcs017g02	6992	PPP1R11	0.659505	0.512135	11.5308	11.7614	0.85228
3	hcs017g02	6992	PPP1R11	0.421359	1.00336	11.4654	11.1812	1.21771
5	hcs017g02	6992	PPP1R11	0.659701	0.511801	11.6696	11.5239	1.10627
7	hcs017g02	6992	PPP1R11	0.639153	-0.547181	11.1796	11.3617	-1.13456
5	hcs017g03	4488	MSX2	0.405147	-1.04655	8.76693	8.91454	-1.10774
1	hcs017g06	6217	RPS16	0.0057573	-13.1222	11.4158	11.3792	1.02567
3	hcs017g06	6217	RPS16	0.417768	1.01277	11.4665	11.3448	1.08802
5	hcs017g06	6217	RPS16	0.638793	0.547809	11.3915	11.2559	1.0986
7	hcs017g06	6217	RPS16	0.311057	-1.34422	10.9704	11.2513	-1.21492
1	hcs017g07	?	?	0.102464	2.87864	12.3597	12.6109	0.840178
3	hcs017g07	?	?	0.850027	-0.21452	12.4897	12.5626	-1.05178
5	hcs017g07	?	?	0.591949	-0.632089	12.5269	12.6368	-1.07918
7	hcs017g07	?	?	0.776429	-0.324388	12.4671	12.5599	-1.06644
5	hcs017g11	571	BACH1	0.166679	-2.1319	8.88049	8.97957	-1.07109
1	hcs017g12	?	?	0.562705	0.687664	10.0616	10.2936	0.851426
3	hcs017g12	?	?	0.303743	1.37178	10.4357	10.1686	1.20336
5	hcs017g12	?	?	0.17362	2.07539	10.8825	10.394	1.40295
7	hcs017g12	?	?	0.475896	0.870301	10.3555	10.0049	1.27515
1	hcs017h02	?	?	0.664087	-0.504359	10.0418	9.89341	1.10833
3	hcs017h02	?	?	0.978887	0.0298642	10.3999	10.3911	1.00608
5	hcs017h02	?	?	0.35463	1.19482	10.5195	10.1625	1.28072
7	hcs017h02	?	?	0.180862	-2.0196	9.57363	9.97978	-1.32514
1	hcs017h03			0.563829	-0.685481	9.80435	9.76879	1.02496
3	hcs017h03			0.423907	0.996739	9.78748	9.54858	1.18009
5	hcs017h03			0.36212	-1.17135	9.2977	9.43291	-1.09825
3	hcs017h04	26993	AKAP8L	0.242695	1.63996	10.8719	9.85071	2.02962
5	hcs017h04	26993	AKAP8L	0.356065	-1.19028	10.9946	11.2835	-1.22168
7	hcs017h04	26993	AKAP8L	0.605062	-0.607949	9.84453	10.0517	-1.15442
3	hcs017h05	5629	PROX1	0.0459053	-4.50508	9.66503	9.86007	-1.14475
5	hcs017h05	5629	PROX1	0.0837478	3.23457	9.69405	9.21136	1.39734
5	hcs017h07	11080	DNAJB4	0.805528	0.280377	9.60171	9.48264	1.08603
3	hcs017h08	84992	PIGY	0.522437	0.768697	11.0226	10.812	1.15713
5	hcs017h09	10569	SLU7	0.828642	0.245975	9.47878	9.41241	1.04707
1	hcs018a04	4728	NDUFS8	0.261458	-1.54916	10.0979	9.94716	1.11014
3	hcs018a04	4728	NDUFS8	0.73626	0.386675	10.2493	10.1738	1.05369
5	hcs018a04	4728	NDUFS8	0.286146	1.44159	10.4281	10.0522	1.29764
7	hcs018a04	4728	NDUFS8	0.866952	0.189846	9.70021	9.66554	1.02432
1	hcs018a07	127495	LRRC39	0.880088	-0.170814	12.6084	12.5703	1.02678
3	hcs018a07	127495	LRRC39	0.161981	2.17201	12.5196	12.3508	1.12412
5	hcs018a07	127495	LRRC39	0.902128	0.13908	12.7908	12.7773	1.00945
7	hcs018a07	127495	LRRC39	0.358995	-1.18107	12.4138	12.6729	-1.19673

1	hcs018a08	?	?	0.784037	0.312799	9.74072	9.82746	0.94165
3	hcs018a08	?	?	0.601358	-0.614721	10.2771	10.4869	-1.15651
5	hcs018a08	?	?	0.0674098	3.65405	10.4996	9.96195	1.45161
7	hcs018a08	?	?	0.211434	1.81348	10.1393	9.80856	1.25767
1	hcs018a09	8334	HIST1H2AC	0.411934	-1.02824	9.75093	9.31069	1.35683
3	hcs018a09	8334	HIST1H2AC	0.433751	-0.971565	9.49818	9.93221	-1.35101
5	hcs018a09	8334	HIST1H2AC	0.441422	-0.952373	9.38052	9.51554	-1.09811
7	hcs018a09	8334	HIST1H2AC	0.0585068	-3.95058	9.11824	9.56457	-1.36257
1	hcs018b02	?	?	0.092375	3.05772	10.757	11.8045	0.483795
3	hcs018b02	?	?	0.645288	-0.536525	11.2839	11.4508	-1.12262
5	hcs018b02	?	?	0.446418	0.940068	11.9441	11.5227	1.33923
7	hcs018b02	?	?	0.10163	2.89248	12.0542	11.3741	1.60225
5	hcs018b03	23016	EXOSC7	0.630502	-0.562346	9.00308	9.13194	-1.09343
5	hcs018b05	?	?	0.263713	1.53881	10.1322	9.60032	1.44586
1	hcs018b06	57085	AGTRAP	0.504399	-0.80696	9.93922	9.64126	1.2294
3	hcs018b06	57085	AGTRAP	0.0381321	4.97336	10.2284	9.9991	1.17224
5	hcs018b06	57085	AGTRAP	0.120066	2.61929	10.0283	9.39622	1.54976
7	hcs018b06	57085	AGTRAP	0.0889615	3.12475	9.71114	9.378	1.25976
5	hcs018b07	6637	SNRPG	0.417904	1.01241	9.97913	9.83234	1.1071
1	hcs018b09	7264	TSTA3	0.0297391	5.66862	10.9284	12.1692	0.423148
3	hcs018b09	7264	TSTA3	0.640807	-0.5443	11.6309	11.7552	-1.08998
5	hcs018b09	7264	TSTA3	0.707882	0.431958	11.9116	11.7832	1.09306
7	hcs018b09	7264	TSTA3	0.160557	2.18448	12.2158	11.672	1.45787
1	hcs018b10	2730	GCLM	0.302552	1.37635	9.72552	10.0633	0.791254
3	hcs018b10	2730	GCLM	0.716202	-0.418561	10.2254	10.2913	-1.04674
5	hcs018b10	2730	GCLM	0.135043	2.43747	10.5311	9.93861	1.50785
7	hcs018b10	2730	GCLM	0.525331	0.762679	9.82397	9.55059	1.20863
1	hcs018b11	5226	PGD	0.365994	-1.15943	9.69009	9.50468	1.13714
3	hcs018b11	5226	PGD	0.269108	-1.5145	9.46007	9.94585	-1.40034
5	hcs018b11	5226	PGD	0.287769	-1.43493	9.58061	9.77703	-1.14585
7	hcs018b11	5226	PGD	0.347799	-1.21675	9.08971	9.47504	-1.30615
5	hcs018c03	27072	VPS41	0.105099	2.83594	9.80097	9.33139	1.38471
3	hcs018c04	57805	KIAA1967	0.0609582	-3.86269	9.41586	9.7224	-1.23674
5	hcs018c04	57805	KIAA1967	0.238035	1.66392	9.15094	8.82039	1.25749
5	hcs018c05	8239	USP9X	0.749375	0.366122	9.08568	9.02808	1.04073
1	hcs018c06	6652	SORD	0.999159	-0.0011894	9.66424	9.66407	1.00012
3	hcs018c06	6652	SORD	0.761497	-0.347317	9.65162	9.68763	-1.02527
5	hcs018c06	6652	SORD	0.446966	-0.938727	9.50124	9.59397	-1.06639
1	hcs018c08	?	?	0.447908	-0.936425	9.78778	9.48018	1.23764
3	hcs018c08	?	?	0.184061	-1.99591	9.84299	10.2833	-1.35694
5	hcs018c08	?	?	0.568903	0.675672	9.91171	9.72725	1.13639
7	hcs018c08	?	?	0.0868746	-3.16758	9.78772	9.87154	-1.05982
3	hcs018c10	7411	VBP1	0.504201	-0.807389	9.44386	9.60556	-1.1186
5	hcs018c10	7411	VBP1	0.537858	0.736991	9.45537	9.21952	1.17761
1	hcs018c11	58	ACTA1	0.214136	1.79718	11.6062	12.0576	0.731333
3	hcs018c11	58	ACTA1	0.904548	-0.135609	11.6924	11.7213	-1.02023
5	hcs018c11	58	ACTA1	0.864527	0.19337	12.0675	12.0461	1.01492

7	hcs018c11	58	ACTA1	0.71204	-0.425249	11.3879	11.5168	-1.09348
1	hcs018c12	6613	SUMO2	0.364821	-1.16302	10.2251	9.95243	1.20804
3	hcs018c12	6613	SUMO2	0.741273	-0.378792	9.90779	9.96121	-1.03772
5	hcs018c12	6613	SUMO2	0.219867	1.76351	10.375	10.0375	1.26361
7	hcs018c12	6613	SUMO2	0.713905	-0.422249	9.82158	9.91379	-1.066
1	hcs018d02	155066	ATP6V0E2	0.0953689	-3.00177	10.0239	9.71192	1.24141
3	hcs018d02	155066	ATP6V0E2	0.993398	-0.0093367	10.0852	10.087	-1.0013
5	hcs018d02	155066	ATP6V0E2	0.141176	2.37093	9.9058	9.54247	1.28639
7	hcs018d02	155066	ATP6V0E2	0.999888	0.0001577	9.71561	9.71558	1.00002
3	hcs018d03	?	?	0.258812	1.56145	9.653	9.60335	1.03501
5	hcs018d03	?	?	0.962985	-0.0523831	9.39615	9.40212	-1.00415
3	hcs018d04	79144	PPDPF	0.0934844	-3.03669	9.98301	10.2097	-1.17011
5	hcs018d04	79144	PPDPF	0.456135	0.916548	9.8228	9.62083	1.15027
7	hcs018d04	79144	PPDPF	0.229987	-1.70677	9.41511	9.62821	-1.15918
1	hcs018d08	4067	LYN	0.403183	-1.05191	12.3793	12.247	1.09604
3	hcs018d08	4067	LYN	0.863292	-0.195167	12.0488	12.0857	-1.02595
5	hcs018d08	4067	LYN	0.115328	2.68357	12.2258	12.17	1.03948
7	hcs018d08	4067	LYN	0.0388475	4.92459	12.4346	12.2308	1.1517
5	hcs018e03	23608	MKRN1	0.798028	-0.291642	9.22418	9.25366	-1.02064
1	hcs018e04			0.340945	1.23926	9.40338	9.60032	0.872399
1	hcs018e05	?	?	0.458132	0.91178	10.649	10.9849	0.792289
3	hcs018e05	?	?	0.089413	3.11568	11.2288	10.8716	1.28097
5	hcs018e05	?	?	0.0800189	3.31932	11.4326	10.9648	1.38293
7	hcs018e05	?	?	0.567044	0.679257	11.0979	10.8135	1.21788
1	hcs018e07	140467	ZNF358	0.764836	0.342167	10.4009	10.4336	0.977558
3	hcs018e07	140467	ZNF358	0.778408	0.321368	10.6132	10.5465	1.04734
5	hcs018e07	140467	ZNF358	0.143914	2.34251	10.8553	10.4401	1.33345
7	hcs018e07	140467	ZNF358	0.498793	0.819127	10.3301	10.2183	1.08062
5	hcs018e12	5684	PSMA3	0.628984	0.565023	9.2832	9.1469	1.09908
5	hcs018f01	2184	FAH	0.818221	-0.26143	10.0643	10.1063	-1.02949
1	hcs018f02	3688	ITGB1	0.338033	1.24899	10.1675	10.7989	0.64555
3	hcs018f02	3688	ITGB1	0.205105	-1.85275	10.5519	10.7743	-1.16667
5	hcs018f02	3688	ITGB1	0.276435	1.48246	10.8249	10.6207	1.15199
7	hcs018f02	3688	ITGB1	0.170662	-2.09909	9.93877	10.8416	-1.86977
1	hcs018f03	64374	SIL1	0.0531027	4.16474	10.1783	11.0399	0.550329
3	hcs018f03	64374	SIL1	0.50163	-0.812953	10.9222	11.1112	-1.13997
5	hcs018f03	64374	SIL1	0.540442	0.731762	11.2679	11.0412	1.17016
7	hcs018f03	64374	SIL1	0.186849	1.97571	11.095	10.5153	1.49454
1	hcs018f05	641638	SNHG6	0.785903	-0.309966	10.0808	10.0132	1.04795
3	hcs018f05	641638	SNHG6	0.0345	-5.2435	10.3778	10.5014	-1.0895
5	hcs018f05	641638	SNHG6	0.332339	1.26831	10.4054	10.1403	1.20175
7	hcs018f05	641638	SNHG6	0.715166	0.420222	9.73488	9.65412	1.05758
5	hcs018f10	142891	SAMD8	0.0352777	5.18223	9.63689	9.34382	1.22525
5	hcs018f12	2339	FNTA	0.586589	0.64209	9.32147	9.25213	1.04924
3	hcs018g08	?	?	0.817138	-0.263041	9.66275	9.70661	-1.03087
5	hcs018g08	?	?	0.805534	0.280369	9.80117	9.71814	1.05924
1	hcs018g12	3312	HSPA8	0.0439814	-4.60957	11.1108	10.1344	1.96755

3	hcs018g12	3312	HSPA8	0.191728	1.94133	10.6737	9.8332	1.79067
5	hcs018g12	3312	HSPA8	0.0933664	3.03891	10.647	10.1016	1.45942
7	hcs018g12	3312	HSPA8	0.33203	1.26937	9.97243	9.81586	1.11463
1	hcs018h02	9922	IQSEC1	0.715506	-0.419678	9.93516	9.87811	1.04033
3	hcs018h02	9922	IQSEC1	0.343337	-1.23134	9.90416	9.98119	-1.05484
5	hcs018h02	9922	IQSEC1	0.614479	0.590884	9.90081	9.83184	1.04897
7	hcs018h02	9922	IQSEC1	0.697635	-0.448608	9.3854	9.53117	-1.10633
1	hcs018h04	1938	EEF2	0.408683	1.03696	12.1231	12.4196	0.814207
3	hcs018h04	1938	EEF2	0.86959	0.186017	12.1415	12.1169	1.01722
5	hcs018h04	1938	EEF2	0.858758	-0.201769	12.2966	12.3592	-1.04437
7	hcs018h04	1938	EEF2	0.274976	-1.48875	11.7918	12.1058	-1.24318
1	hcs018h05	10521	DDX17	0.317073	-1.32214	11.4263	11.2175	1.15573
3	hcs018h05	10521	DDX17	0.257439	-1.56789	11.516	11.5938	-1.05543
5	hcs018h05	10521	DDX17	0.364673	1.16348	11.5631	11.329	1.17615
7	hcs018h05	10521	DDX17	0.0640911	-3.75757	10.7208	11.1849	-1.37942
1	hcs018h06	?	?	0.694047	-0.454476	9.97683	9.89979	1.05485
3	hcs018h06	?	?	0.822661	-0.254834	10.0507	10.1002	-1.03488
5	hcs018h06	?	?	0.584401	-0.646195	9.30643	9.40558	-1.07114
5	hcs018h08	283953	TMEM114	0.905461	0.1343	9.22576	9.2078	1.01253
1	hcs018h09	6181	RPLP2	0.99768	0.0032811	11.7746	11.7755	0.999353
3	hcs018h09	6181	RPLP2	0.759051	-0.351098	11.523	11.6062	-1.05932
5	hcs018h09	6181	RPLP2	0.34722	1.21863	11.9536	11.7669	1.13816
7	hcs018h09	6181	RPLP2	0.51017	-0.794574	11.375	11.4754	-1.07205
1	hcs018h10	2590	GALNT2	0.919753	-0.113854	9.43882	9.41418	1.01723
3	hcs018h10	2590	GALNT2	0.70175	-0.441901	9.69884	9.77479	-1.05405
5	hcs018h10	2590	GALNT2	0.429356	0.982727	9.69303	9.48969	1.15136
1	hcs018h11	80331	DNAJC5	0.41437	-1.02175	9.72535	9.3453	1.30138
3	hcs018h11	80331	DNAJC5	0.286506	-1.44011	9.67867	9.86747	-1.13981
3	hcs018h12			0.714609	-0.421117	9.21562	9.37797	-1.11911
5	hcs018h12			0.913899	-0.12222	8.99801	9.02111	-1.01615
1	hcs019a02	6208	RPS14	0.469313	0.885481	10.2026	10.3148	0.925176
3	hcs019a02	6208	RPS14	0.774031	0.328053	10.4962	10.4797	1.0115
1	hcs019a03			0.326961	-1.28693	13.9175	13.7425	1.12899
3	hcs019a03			0.928956	0.100726	13.556	13.5436	1.00863
5	hcs019a03			0.595624	0.625277	13.8036	13.7759	1.01939
7	hcs019a03			0.218034	1.77415	13.5706	13.425	1.10624
3	hcs019a04	9867	PJA2	0.613662	0.592357	9.94183	9.87222	1.04944
5	hcs019a04	9867	PJA2	0.720264	0.412056	9.13167	8.94919	1.13484
1	hcs019a05	79888	LPCAT1	0.83465	-0.237104	9.72618	9.65392	1.05136
3	hcs019a05	79888	LPCAT1	0.952343	-0.0674737	10.1715	10.1791	-1.00524
5	hcs019a05	79888	LPCAT1	0.0508198	4.26502	9.93978	9.75852	1.13388
5	hcs019a09	?	?	0.246341	1.62162	9.87669	9.65415	1.16679
1	hcs019a10	29800	ZDHHC1	0.891948	0.153709	10.8152	10.8388	0.983797
3	hcs019a10	29800	ZDHHC1	0.769857	-0.33445	10.7919	10.83	-1.02676
5	hcs019a10	29800	ZDHHC1	0.371499	1.14274	10.9932	10.799	1.14412
7	hcs019a10	29800	ZDHHC1	0.624234	-0.573439	10.2947	10.4549	-1.11744
1	hcs019a11	64951	MRPS24	0.369933	-1.14746	9.79286	9.66136	1.09543

3	hcs019a11	64951	MRPS24	0.484641	-0.850467	9.95891	10.1423	-1.13555
5	hcs019a11	64951	MRPS24	0.364787	1.16313	9.84321	9.73049	1.08126
7	hcs019a11	64951	MRPS24	0.780502	-0.318177	9.40329	9.54704	-1.10477
1	hcs019a12	5930	RBBP6	0.759472	-0.350446	10.6874	10.6224	1.04606
3	hcs019a12	5930	RBBP6	0.554401	-0.70392	10.6934	10.7649	-1.05076
5	hcs019a12	5930	RBBP6	0.940944	-0.0836642	10.649	10.6551	-1.00421
7	hcs019a12	5930	RBBP6	0.600527	-0.616246	10.1645	10.3203	-1.11403
1	hcs019b02	23184	MESDC2	0.680299	-0.477167	9.36848	9.1177	1.18985
1	hcs019b05	6201	RPS7	0.856512	-0.205045	11.8976	11.8631	1.0242
3	hcs019b05	6201	RPS7	0.690525	-0.460259	11.6214	11.7021	-1.05756
5	hcs019b05	6201	RPS7	0.655862	0.518345	11.8026	11.7827	1.01387
7	hcs019b05	6201	RPS7	0.348625	-1.21407	11.2856	11.626	-1.26614
1	hcs019b08	50854	C6orf48	0.84661	0.219525	10.4513	10.5174	0.955217
3	hcs019b08	50854	C6orf48	0.834469	-0.237371	10.5485	10.6035	-1.03891
5	hcs019b08	50854	C6orf48	0.993175	0.0096525	10.6019	10.5994	1.00171
7	hcs019b08	50854	C6orf48	0.79567	-0.295194	10.2744	10.3795	-1.07558
1	hcs019c02	25862	USP49	0.41498	-1.02013	10.6442	10.3308	1.24262
3	hcs019c02	25862	USP49	0.484581	0.8506	10.9701	10.5154	1.3705
5	hcs019c02	25862	USP49	0.371392	1.14306	11.197	10.6817	1.42926
7	hcs019c02	25862	USP49	0.339979	1.24248	10.3457	10.0012	1.26971
1	hcs019c05	2014	EMP3	0.640939	-0.544071	10.8622	10.6615	1.14923
3	hcs019c05	2014	EMP3	0.402836	1.05286	11.045	10.6033	1.35819
5	hcs019c05	2014	EMP3	0.0115124	9.23934	11.2565	10.5093	1.67853
7	hcs019c05	2014	EMP3	0.561095	0.690798	10.2947	10.1684	1.09152
3	hcs019c07	5607	MAP2K5	0.940477	-0.0843272	10.0229	10.0607	-1.02658
5	hcs019c07	5607	MAP2K5	0.342559	1.23392	9.42622	9.13738	1.22166
5	hcs019c09	?	?	0.249136	1.6078	9.84939	9.66036	1.13999
1	hcs019c10	283848	CES4A	0.482029	0.856351	10.0922	10.3063	0.862092
3	hcs019c10	283848	CES4A	0.645914	-0.535444	10.1708	10.351	-1.13303
5	hcs019c10	283848	CES4A	0.585611	0.643923	10.3333	10.2536	1.05683
7	hcs019c10	283848	CES4A	0.228019	1.71754	10.1263	10.0147	1.08042
1	hcs019c11	84232	MAF1	0.0069499	-11.9327	9.98815	9.59078	1.31711
3	hcs019c11	84232	MAF1	0.888826	0.158205	9.9653	9.90521	1.04253
5	hcs019c11	84232	MAF1	0.0697141	3.58641	9.93095	9.63525	1.22748
7	hcs019c11	84232	MAF1	0.0747578	3.44905	9.60605	9.31671	1.22208
1	hcs019c12	4493	MT1E	0.843547	-0.224017	11.7008	11.6861	1.01022
3	hcs019c12	4493	MT1E	0.142087	-2.36139	10.9981	11.7402	-1.67269
5	hcs019c12	4493	MT1E	0.022612	-6.53682	10.6839	11.8083	-2.18011
7	hcs019c12	4493	MT1E	0.0354322	-5.17029	9.81676	11.392	-2.97978
1	hcs019d03	25953	PNKD	0.0235355	-6.40273	9.73702	9.43387	1.23384
3	hcs019d03	25953	PNKD	0.324274	-1.29637	9.53	9.7699	-1.18091
5	hcs019d03	25953	PNKD	0.991051	-0.0126556	9.61235	9.61284	-1.00034
5	hcs019d04	4828	NMB	0.295442	-1.40407	9.09882	9.23006	-1.09524
1	hcs019d05	6210	RPS15A	0.310272	1.34714	11.0564	11.2599	0.868421
3	hcs019d05	6210	RPS15A	0.740145	-0.380564	10.9357	11.02	-1.06017
5	hcs019d05	6210	RPS15A	0.353938	1.19702	11.4106	11.0732	1.26351
7	hcs019d05	6210	RPS15A	0.590448	-0.634881	10.9185	11.1037	-1.13703

1	hcs019d06	?	?	0.373646	1.13631	11.2472	11.3837	0.909723
3	hcs019d06	?	?	0.541595	0.729437	11.3932	11.3071	1.06147
5	hcs019d06	?	?	0.30502	1.36691	11.5957	11.2893	1.23668
7	hcs019d06	?	?	0.569896	-0.673763	10.9437	11.1464	-1.15088
3	hcs019d07	1400	CRMP1	0.932509	0.0956642	9.86595	9.85982	1.00426
5	hcs019d07	1400	CRMP1	0.636302	0.55216	9.55104	9.45853	1.06622
1	hcs019d08	?	?	0.143203	2.34982	10.5715	11.3833	0.569671
3	hcs019d08	?	?	0.691572	-0.458538	11.0947	11.2264	-1.09561
5	hcs019d08	?	?	0.498662	0.819414	11.5429	11.2749	1.20411
7	hcs019d08	?	?	0.442177	0.950505	11.4175	11.0811	1.2626
5	hcs019d09	57465	TBC1D24	0.797039	-0.293131	9.08564	9.16222	-1.05452
1	hcs019d11	10658	CELF1	0.542686	-0.727241	9.6281	9.37003	1.19588
5	hcs019d11	10658	CELF1	0.452195	0.926019	9.44503	9.33744	1.07742
1	hcs019d12	2222	FDFT1	0.333965	-1.26276	10.2577	9.64134	1.533
3	hcs019d12	2222	FDFT1	0.041409	4.76024	11.018	9.61718	2.64046
5	hcs019d12	2222	FDFT1	0.0196574	7.02683	11.3134	9.47022	3.58791
7	hcs019d12	2222	FDFT1	0.0184573	7.25836	10.6646	9.13104	2.895
3	hcs019e02	55161	TMEM33	0.742151	0.377416	10.2303	10.1978	1.02275
1	hcs019e03	6154	RPL26	0.539284	0.734102	11.5069	11.687	0.882662
3	hcs019e03	6154	RPL26	0.051161	-4.24962	11.6684	11.9307	-1.19942
5	hcs019e03	6154	RPL26	0.959666	-0.057088	11.5116	11.5226	-1.00763
7	hcs019e03	6154	RPL26	0.597678	-0.621486	10.9994	11.3405	-1.26669
1	hcs019e04	92140	MTDH	0.815306	0.265768	9.65204	9.70916	0.961179
3	hcs019e04	92140	MTDH	0.383814	1.10642	10.3362	10.2656	1.05015
5	hcs019e04	92140	MTDH	0.612151	0.595083	9.98303	9.807	1.12977
7	hcs019e04	92140	MTDH	0.0868856	-3.16735	9.36644	9.69475	-1.25555
1	hcs019e05	84447	SYVN1	0.795004	-0.296198	11.1667	11.0764	1.06463
3	hcs019e05	84447	SYVN1	0.908778	-0.129548	10.0852	10.1322	-1.03306
1	hcs019e06	5814	PURB	0.642628	0.541135	10.3991	10.4933	0.936766
3	hcs019e06	5814	PURB	0.55078	0.711079	11.5385	11.4205	1.08528
5	hcs019e06	5814	PURB	0.906205	-0.133233	10.566	10.5721	-1.00427
7	hcs019e06	5814	PURB	0.677462	0.481892	10.0063	9.93512	1.05054
3	hcs019e07	345757	FAM174A	0.404712	1.04773	10.0426	9.66525	1.29894
5	hcs019e07	345757	FAM174A	0.317182	1.32174	9.66459	9.18894	1.39054
1	hcs019e08	9230	RAB11B	0.419642	-1.00784	9.58488	9.38501	1.1486
3	hcs019e08	9230	RAB11B	0.210999	-1.81613	10.0663	10.4307	-1.28728
5	hcs019e08	9230	RAB11B	0.463472	0.899135	9.70114	9.47098	1.17296
1	hcs019e09	28972	SPCS1	0.368805	-1.15087	9.88281	9.71393	1.12419
3	hcs019e09	28972	SPCS1	0.467299	-0.890168	10.1408	10.2634	-1.08871
5	hcs019e09	28972	SPCS1	0.0828433	3.25462	9.9229	9.71236	1.15712
7	hcs019e09	28972	SPCS1	0.599938	-0.617327	9.48549	9.57574	-1.06455
1	hcs019e12	84261	FBXW9	0.128004	2.51922	10.0234	10.5764	0.681586
3	hcs019e12	84261	FBXW9	0.260003	-1.5559	10.3778	10.7116	-1.26034
5	hcs019e12	84261	FBXW9	0.984007	-0.0226206	10.6924	10.6972	-1.00333
7	hcs019e12	84261	FBXW9	0.185826	1.98308	10.6941	10.3418	1.27659
1	hcs019f02	?	?	0.469588	-0.884841	9.20137	8.89665	1.23518
3	hcs019f02	?	?	0.431716	-0.976718	9.36729	9.60356	-1.17795



5	hcs019f02	?	?	0.379431	1.11919	9.8851	9.73035	1.11323
1	hcs019f04	2035	EPB41	0.411575	1.0292	10.5174	10.6637	0.903586
3	hcs019f04	2035	EPB41	0.544883	-0.722833	10.6979	10.8054	-1.07733
5	hcs019f04	2035	EPB41	0.659045	0.512917	10.7534	10.657	1.06908
7	hcs019f04	2035	EPB41	0.580921	-0.652754	10.3397	10.51	-1.12532
1	hcs019f08	114915	NCRNA002	0.0097453	-10.0556	10.3497	10.1826	1.12283
3	hcs019f08	114915	NCRNA002	0.627721	0.567256	10.5081	10.3382	1.12495
5	hcs019f08	114915	NCRNA002	0.268169	1.51869	10.6488	10.3304	1.24695
7	hcs019f08	114915	NCRNA002	0.668418	0.497047	10.0403	9.97152	1.04885
1	hcs019f09	23303	KIF13B	0.618552	-0.583573	12.4682	12.334	1.09748
3	hcs019f09	23303	KIF13B	0.245425	1.62619	12.1177	12.0038	1.08215
5	hcs019f09	23303	KIF13B	0.870067	0.185324	12.4744	12.4415	1.02307
7	hcs019f09	23303	KIF13B	0.550145	-0.712339	12.0103	12.2014	-1.14163
5	hcs019f10	115209	OMA1	0.635198	0.554093	9.17553	9.02764	1.10795
1	hcs019f11	66000	TMEM108	0.123729	2.572	10.4655	10.7888	0.799221
3	hcs019f11	66000	TMEM108	0.735908	0.38723	10.569	10.4743	1.06788
5	hcs019f11	66000	TMEM108	0.25012	1.60298	11.0418	10.811	1.17354
7	hcs019f11	66000	TMEM108	0.844131	-0.223159	10.4613	10.4857	-1.01708
1	hcs019f12	?	?	0.150255	2.27946	10.3801	10.5571	0.88454
3	hcs019f12	?	?	0.567769	-0.677858	10.3256	10.4127	-1.06226
5	hcs019f12	?	?	0.564127	0.684902	10.5314	10.3859	1.10614
7	hcs019f12	?	?	0.553883	-0.704941	9.89842	10.0276	-1.09368
1	hcs019g07	6633	SNRPD2	0.0881241	3.14176	10.7904	11.7264	0.522668
3	hcs019g07	6633	SNRPD2	0.884706	-0.164144	11.8281	11.8846	-1.03992
5	hcs019g07	6633	SNRPD2	0.672772	0.489732	12.0902	11.9477	1.10377
7	hcs019g07	6633	SNRPD2	0.231915	1.69632	12.1358	11.606	1.44376
1	hcs019g08	?	?	0.0935049	3.0363	11.0122	12.1108	0.466969
3	hcs019g08	?	?	0.323783	-1.2981	11.7182	11.9421	-1.16789
5	hcs019g08	?	?	0.656871	0.516623	12.1711	12.009	1.11891
7	hcs019g08	?	?	0.129994	2.49548	12.0836	11.5938	1.40422
1	hcs019h02	?	?	0.993054	0.0098238	10.9274	10.9311	0.997416
3	hcs019h02	?	?	0.328309	-1.28223	11.0745	11.2172	-1.10402
5	hcs019h02	?	?	0.805283	-0.280744	11.0869	11.1233	-1.02555
7	hcs019h02	?	?	0.0801218	-3.31691	10.354	10.8119	-1.37355
1	hcs019h03	23424	TDRD7	0.156467	2.22116	10.291	10.7738	0.715588
3	hcs019h03	23424	TDRD7	0.542665	-0.727283	10.5547	10.7434	-1.13971
5	hcs019h03	23424	TDRD7	0.727944	0.399826	10.9162	10.7687	1.10765
7	hcs019h03	23424	TDRD7	0.596564	0.62354	10.748	10.5426	1.15301
1	hcs019h05	?	?	0.573132	-0.667559	9.7113	9.43902	1.20772
3	hcs019h05	?	?	0.742793	-0.376409	9.74399	9.82525	-1.05794
5	hcs019h05	?	?	0.266696	1.5253	9.78292	9.53704	1.18582
7	hcs019h05	?	?	0.680451	-0.476915	9.32208	9.36957	-1.03346
1	hcs019h08	1523	CUX1	0.704205	0.437914	9.59443	9.64663	0.964464
3	hcs019h08	1523	CUX1	0.555987	-0.700797	9.61074	9.84743	-1.17828
5	hcs019h08	1523	CUX1	0.653541	0.522316	9.92807	9.76899	1.11657
7	hcs019h08	1523	CUX1	0.696496	0.450468	9.4546	9.41827	1.0255
1	hcs019h11	?	?	0.525613	0.762095	10.5846	10.7444	0.895149

3	hcs019h11	?	?	0.589033	0.637519	10.62	10.559	1.04316
5	hcs019h11	?	?	0.780559	-0.31809	10.5879	10.6674	-1.0567
7	hcs019h11	?	?	0.295184	-1.4051	9.9964	10.5158	-1.4334
5	hcs019h12	?	?	0.32999	1.2764	9.57231	9.28555	1.2199
5	hcs020a08	?	?	0.418704	1.0103	9.74893	9.15076	1.5138
1	hcs020b03	?	?	0.987955	-0.017035	10.4169	10.4153	1.00111
3	hcs020b03	?	?	0.723217	0.407344	10.43	10.2777	1.11136
5	hcs020b03	?	?	0.0721191	3.51918	10.7964	10.2218	1.48933
7	hcs020b03	?	?	0.877106	0.175125	10.4101	10.3775	1.02287
5	hcs020b10	?	?	0.625491	0.571206	9.40962	9.15358	1.1942
1	hcs020b11	?	?	0.515186	0.783921	12.0186	12.2194	0.870048
3	hcs020b11	?	?	0.393948	-1.07752	11.5524	11.804	-1.1905
5	hcs020b11	?	?	0.912416	-0.124341	12.2372	12.2628	-1.01795
7	hcs020b11	?	?	0.427915	-0.986414	11.7232	12.1142	-1.31133
1	hcs020c01	55746	NUP133	0.206229	1.84566	11.7665	12.0173	0.84045
3	hcs020c01	55746	NUP133	0.835206	0.236285	11.844	11.7874	1.04006
5	hcs020c01	55746	NUP133	0.0349823	5.20527	12.2648	12.0483	1.16186
7	hcs020c01	55746	NUP133	0.548761	-0.715089	11.6098	11.8976	-1.22081
1	hcs020c02	?	?	0.580602	-0.653357	11.7006	11.5402	1.11757
3	hcs020c02	?	?	0.620201	0.580623	11.8081	11.7577	1.03555
5	hcs020c02	?	?	0.29467	1.40713	11.8673	11.765	1.07346
7	hcs020c02	?	?	0.899771	0.142462	11.24	11.2027	1.02622
1	hcs020c03	57597	BAHCC1	0.0441966	4.59755	9.80344	10.0405	0.848482
3	hcs020c03	57597	BAHCC1	0.331195	-1.27224	10.0522	10.2727	-1.16514
5	hcs020c03	57597	BAHCC1	0.493316	0.831148	9.99322	9.83474	1.11612
7	hcs020c03	57597	BAHCC1	0.92235	0.110147	9.81119	9.78867	1.01573
3	hcs020c04	?	?	0.835081	0.236469	10.2806	10.2348	1.03226
5	hcs020c04	?	?	0.386769	1.0979	10.1812	9.86654	1.24375
5	hcs020c05	?	?	0.846097	-0.220276	9.33558	9.38692	-1.03622
3	hcs020c07	?	?	0.512382	-0.789864	9.9943	10.2304	-1.17777
5	hcs020c07	?	?	0.301745	1.37945	10.239	9.37924	1.81478
7	hcs020c07	?	?	0.480813	-0.859103	9.64632	9.83498	-1.13971
1	hcs020c08	?	?	0.0526567	4.18383	12.2192	12.5013	0.822374
3	hcs020c08	?	?	0.910078	-0.127686	11.7746	11.7821	-1.00526
5	hcs020c08	?	?	0.910915	0.126488	12.722	12.7	1.01539
7	hcs020c08	?	?	0.639913	-0.545857	11.9946	12.2155	-1.16551
3	hcs020c09	?	?	0.534738	0.743334	10.0789	9.73081	1.27291
5	hcs020c09	?	?	0.172051	2.08789	9.83074	9.1598	1.59211
5	hcs020c10	?	?	0.482833	0.854537	9.82245	9.50299	1.24786
1	hcs020c11	?	?	0.263376	-1.54035	9.89971	9.40035	1.41359
5	hcs020c11	?	?	0.58196	0.650792	10.0291	9.96365	1.04645
7	hcs020c11	?	?	0.485543	0.848442	9.7464	9.53915	1.15449
1	hcs020c12	?	?	0.997774	-0.003148	11.2275	11.2267	1.00055
3	hcs020c12	?	?	0.628352	-0.566141	10.957	11.0522	-1.06824
5	hcs020c12	?	?	0.713831	-0.422368	11.2779	11.3571	-1.05643
7	hcs020c12	?	?	0.570916	-0.671803	11.0543	11.3138	-1.19712
1	hcs020d01	?	?	0.552589	-0.707497	9.59354	9.12281	1.38581

5	hcs020d01	?	?	0.763135	-0.34479	9.29786	9.39563	-1.07012
7	hcs020d01	?	?	0.759767	-0.349991	9.29822	9.35811	-1.04239
1	hcs020d02	?	?	0.975806	-0.0342257	10.0741	10.0619	1.00846
3	hcs020d02	?	?	0.880806	-0.169776	10.0862	10.191	-1.07532
5	hcs020d02	?	?	0.186404	1.97891	10.6089	10.2198	1.30959
7	hcs020d02	?	?	0.226595	1.72541	10.2446	10.1196	1.09049
1	hcs020d05	?	?	0.457257	-0.913865	10.2483	9.78729	1.37651
3	hcs020d05	?	?	0.149281	-2.28891	10.2085	10.7936	-1.50014
5	hcs020d05	?	?	0.356876	1.18772	10.3315	10.1256	1.15344
7	hcs020d05	?	?	0.50416	-0.807476	9.99292	10.0752	-1.05871
5	hcs020d06	?	?	0.619571	0.58175	9.21242	9.04954	1.11952
5	hcs020d07	?	?	0.863479	0.194894	9.26363	9.20016	1.04498
1	hcs020d08	?	?	0.625669	0.57089	12.7833	12.8991	0.92287
3	hcs020d08	?	?	0.943901	-0.0794609	12.4405	12.4522	-1.00817
5	hcs020d08	?	?	0.594476	-0.6274	12.8539	12.9308	-1.05472
7	hcs020d08	?	?	0.478474	-0.864414	12.4532	12.7726	-1.24775
1	hcs020d11	?	?	0.375783	1.12995	9.83874	9.99624	0.896579
3	hcs020d11	?	?	0.876573	0.175897	10.0291	9.96313	1.04681
5	hcs020d11	?	?	0.465901	0.893436	10.3836	10.1011	1.21626
7	hcs020d11	?	?	0.62175	0.57786	9.8697	9.78549	1.06011
1	hcs020e02	?	?	0.752906	0.360627	9.95454	9.97708	0.984498
3	hcs020e02	?	?	0.375998	-1.12932	10.2136	10.3982	-1.13651
5	hcs020e02	?	?	0.134085	-2.44824	10.0641	10.1665	-1.0735
7	hcs020e02	?	?	0.587209	0.640928	9.89808	9.73683	1.11825
3	hcs020e03	130589	GALM	0.0339295	-5.28975	9.64364	9.93908	-1.22726
5	hcs020e03	130589	GALM	0.618364	0.583909	9.66002	9.50412	1.11411
7	hcs020e03	130589	GALM	0.923864	0.107986	9.63157	9.62903	1.00176
5	hcs020e04	?	?	0.975266	0.0349901	9.69231	9.6813	1.00766
7	hcs020e04	?	?	0.34842	-1.21473	9.35742	9.71615	-1.28229
1	hcs020e05	?	?	0.680768	-0.476388	10.0755	9.80705	1.20452
3	hcs020e05	?	?	0.34086	-1.23955	10.0485	10.3766	-1.25543
5	hcs020e05	?	?	0.321239	1.30714	10.3034	9.68168	1.53871
7	hcs020e05	?	?	0.863293	0.195165	9.84694	9.76211	1.06056
1	hcs020e06	?	?	0.134092	2.44816	10.2387	10.6888	0.731992
3	hcs020e06	?	?	0.905077	0.134851	10.6921	10.6491	1.03025
5	hcs020e06	?	?	0.275984	1.4844	10.7683	10.3722	1.31591
7	hcs020e06	?	?	0.799546	0.289357	10.4668	10.4461	1.01445
5	hcs020e07	11276	SYNRG	0.705537	0.435754	9.39514	9.26301	1.09592
1	hcs020e09	?	?	0.192249	-1.93772	9.96897	9.42429	1.4587
3	hcs020e09	?	?	0.507188	-0.800957	9.74596	10.1198	-1.29579
5	hcs020e09	?	?	0.594248	0.627823	9.7596	9.64442	1.08311
7	hcs020e09	?	?	0.865589	-0.191826	9.41895	9.45538	-1.02558
5	hcs020e10	?	?	0.987394	0.0178292	8.86337	8.86233	1.00072
1	hcs020e11	1021	CDK6	0.203008	1.86612	9.85524	10.1942	0.790604
3	hcs020e11	1021	CDK6	0.128333	2.51526	10.7245	10.0448	1.60178
5	hcs020e11	1021	CDK6	0.0063905	12.4492	11.1971	10.2581	1.91719
7	hcs020e11	1021	CDK6	0.859131	-0.201225	10.0544	10.1898	-1.09842

1	hcs020e12	?	?	0.608393	-0.601887	10.2631	10.1747	1.06317
3	hcs020e12	?	?	0.932451	0.0957478	10.3553	10.3225	1.02305
5	hcs020e12	?	?	0.234297	1.68358	10.5386	10.0956	1.35947
7	hcs020e12	?	?	0.0729931	3.49555	10.0742	9.88166	1.14278
5	hcs020f02	?	?	0.530643	-0.751715	8.79577	8.91421	-1.08556
1	hcs020f04	5957	RCVRN	0.412675	1.02626	11.5141	11.6608	0.903293
3	hcs020f04	5957	RCVRN	0.643085	0.540344	11.7865	11.684	1.07363
5	hcs020f04	5957	RCVRN	0.508	0.799216	11.6742	11.597	1.05497
7	hcs020f04	5957	RCVRN	0.574133	-0.665646	11.6318	11.6711	-1.02764
1	hcs020f05	4747	NEFL	0.273999	1.49299	10.6939	10.7967	0.931203
3	hcs020f05	4747	NEFL	0.676469	0.483548	11.0841	10.9352	1.10871
5	hcs020f05	4747	NEFL	0.856648	0.204845	10.8665	10.8192	1.03331
7	hcs020f05	4747	NEFL	0.351636	1.20437	10.7203	10.6954	1.01741
1	hcs020f06	6010	RHO	0.323985	1.29739	10.5824	10.8942	0.805654
3	hcs020f06	6010	RHO	0.836937	0.233734	11.0565	10.9641	1.06617
5	hcs020f06	6010	RHO	0.301352	1.38097	11.0619	10.7955	1.20286
7	hcs020f06	6010	RHO	0.395308	1.07371	10.7792	10.6967	1.05886
1	hcs020f07	3745	KCNB1	0.308924	1.35218	10.3839	10.6986	0.804037
3	hcs020f07	3745	KCNB1	0.724903	0.404659	10.8944	10.7383	1.11424
5	hcs020f07	3745	KCNB1	0.344983	1.22593	10.8643	10.6013	1.19994
7	hcs020f07	3745	KCNB1	0.17893	2.03419	10.6906	10.607	1.05966
1	hcs020f08	84866	TMEM25	0.266138	1.52781	11.162	11.3209	0.895708
3	hcs020f08	84866	TMEM25	0.701204	0.442789	11.3206	11.218	1.07371
5	hcs020f08	84866	TMEM25	0.473209	0.87647	11.4433	11.1855	1.19571
7	hcs020f08	84866	TMEM25	0.393256	1.07947	11.2871	11.258	1.02035
5	hcs020f09	9094	UNC119	0.591448	-0.633021	9.55695	9.65838	-1.07283
1	hcs020f10	83723	FAM57B	0.310706	1.34552	11.2667	11.4457	0.883336
3	hcs020f10	83723	FAM57B	0.852509	0.21089	11.4781	11.4182	1.04242
5	hcs020f10	83723	FAM57B	0.705071	0.436509	11.4509	11.3911	1.04235
7	hcs020f10	83723	FAM57B	0.393263	-1.07945	11.5619	11.6372	-1.05358
1	hcs020f11	11197	WIF1	0.352791	1.20068	10.2498	10.6183	0.7746
3	hcs020f11	11197	WIF1	0.600076	-0.617073	10.2304	10.4412	-1.15738
5	hcs020f11	11197	WIF1	0.746605	-0.370445	10.411	10.4728	-1.04378
7	hcs020f11	11197	WIF1	0.519406	0.775035	10.3675	10.3058	1.0437
1	hcs020f12	5148	PDE6G	0.179396	2.03064	10.0204	10.2834	0.833373
3	hcs020f12	5148	PDE6G	0.743128	-0.375885	10.1122	10.1995	-1.06233
5	hcs020f12	5148	PDE6G	0.636376	-0.55203	10.0589	10.1704	-1.08032
7	hcs020f12	5148	PDE6G	0.0009245	32.8654	10.0234	9.90236	1.08749
1	hcs020g01	8904	CPNE1	0.973197	-0.0379194	11.2202	11.2119	1.00577
3	hcs020g01	8904	CPNE1	0.634041	0.556122	11.2981	11.1751	1.089
5	hcs020g01	8904	CPNE1	0.154516	2.23913	11.355	11.06	1.22686
7	hcs020g01	8904	CPNE1	0.30516	1.36638	11.0345	10.9313	1.07413
1	hcs020g02	84313	VPS25	0.522463	0.768643	10.6381	10.7145	0.948399
3	hcs020g02	84313	VPS25	0.806747	0.278552	10.7816	10.6842	1.06981
5	hcs020g02	84313	VPS25	0.269048	1.51477	10.9247	10.4481	1.39146
7	hcs020g02	84313	VPS25	0.399797	1.06122	10.6365	10.3935	1.18348
1	hcs020g03	9416	DDX23	0.941785	-0.0824682	11.258	11.2465	1.00798

3	hcs020g03	9416	DDX23	0.618848	0.583043	11.4767	11.2315	1.18523
5	hcs020g03	9416	DDX23	0.223481	1.74286	11.4583	10.9852	1.38812
7	hcs020g03	9416	DDX23	0.332316	1.26839	11.295	11.0131	1.21582
1	hcs020g05	6456	SH3GL2	0.231583	1.69811	10.5308	10.6103	0.946364
3	hcs020g05	6456	SH3GL2	0.324957	-1.29396	10.8107	11.0464	-1.17748
5	hcs020g05	6456	SH3GL2	0.3501	1.20931	10.8164	10.1994	1.53375
7	hcs020g05	6456	SH3GL2	0.94882	0.0724751	10.4752	10.4705	1.00329
1	hcs020g06	2334	AFF2	0.748295	0.367806	11.7904	11.8579	0.954313
3	hcs020g06	2334	AFF2	0.928748	-0.101023	11.7863	11.8179	-1.02217
5	hcs020g06	2334	AFF2	0.604801	0.608425	12.0714	11.9231	1.10824
7	hcs020g06	2334	AFF2	0.944251	0.078964	11.7835	11.7595	1.0168
1	hcs020g07			0.244001	1.63335	10.5185	11.0413	0.69602
3	hcs020g07			0.34327	-1.23157	11.1931	11.4689	-1.21061
5	hcs020g07			0.302072	1.3782	11.2362	10.9221	1.24324
7	hcs020g07			0.330859	1.2734	11.054	10.9191	1.09807
1	hcs020g08	?	?	0.155405	2.2309	10.356	10.6446	0.818677
3	hcs020g08	?	?	0.311001	-1.34443	10.5571	10.8046	-1.1872
5	hcs020g08	?	?	0.150923	2.27304	10.7566	10.6878	1.04882
7	hcs020g08	?	?	0.515953	0.782301	10.6707	10.4294	1.18204
1	hcs020g09	149175	MANEAL	0.303025	1.37453	10.458	10.6286	0.888473
3	hcs020g09	149175	MANEAL	0.318389	-1.31738	10.6951	10.9494	-1.19281
5	hcs020g09	149175	MANEAL	0.569762	0.674019	10.6814	10.4855	1.14548
7	hcs020g09	149175	MANEAL	0.235359	1.67795	10.5125	10.2568	1.19393
1	hcs020g10			0.246304	1.6218	10.4809	10.8739	0.761527
3	hcs020g10			0.959766	0.056946	10.9205	10.8967	1.01666
5	hcs020g10			0.808933	0.275281	10.8904	10.8256	1.04596
7	hcs020g10			0.145465	2.32674	10.7467	10.607	1.10169
1	hcs020g11	167359	MGC42105	0.4378	0.961391	10.8657	11.0023	0.909681
3	hcs020g11	167359	MGC42105	0.805318	0.280692	11.1786	11.1118	1.04739
5	hcs020g11	167359	MGC42105	0.522449	0.768674	11.1002	10.9698	1.09457
7	hcs020g11	167359	MGC42105	0.349715	1.21055	10.932	10.8678	1.04548
1	hcs020g12	51701	NLK	0.384065	1.10569	10.6348	10.895	0.834991
3	hcs020g12	51701	NLK	0.770884	-0.332873	10.8196	10.8896	-1.04977
5	hcs020g12	51701	NLK	0.632322	-0.559141	10.9016	11.0129	-1.08018
7	hcs020g12	51701	NLK	0.0967873	2.97613	10.6764	10.6514	1.0175
1	hcs020h01	7276	TTR	0.942602	-0.0813064	9.85372	9.84833	1.00374
3	hcs020h01	7276	TTR	0.383454	-1.10746	9.96345	10.2604	-1.22851
5	hcs020h01	7276	TTR	0.48997	-0.838559	9.96708	10.0373	-1.04989
7	hcs020h01	7276	TTR	0.264517	1.53515	9.57801	9.52208	1.03953
1	hcs020h02	?	?	0.434327	0.970112	10.5909	10.8906	0.81244
3	hcs020h02	?	?	0.536644	0.739455	11.1742	10.9814	1.14303
5	hcs020h02	?	?	0.079084	3.34146	11.3108	10.8602	1.36658
7	hcs020h02	?	?	0.160162	2.18797	10.9967	10.8245	1.12678
1	hcs020h04	3106	HLA-B	0.205173	1.85232	12.1778	12.6219	0.73506
3	hcs020h04	3106	HLA-B	0.452728	-0.924732	12.4349	12.5671	-1.09599
5	hcs020h04	3106	HLA-B	0.63077	0.561873	12.7833	12.6081	1.12915
7	hcs020h04	3106	HLA-B	0.143717	-2.34453	12.3716	12.6363	-1.20139

1	hcs020h05	6295	SAG	0.432948	0.973595	10.3196	10.4401	0.919848
3	hcs020h05	6295	SAG	0.897048	-0.146374	10.5975	10.6361	-1.02708
5	hcs020h05	6295	SAG	0.739607	0.381408	10.4743	10.3831	1.06531
7	hcs020h05	6295	SAG	0.0159055	7.83425	10.2945	10.2157	1.05611
1	hcs020h07	100316904	SAP25	0.234119	1.68452	10.5134	10.7688	0.837755
3	hcs020h07	100316904	SAP25	0.154158	-2.24246	11.1284	11.2997	-1.12602
5	hcs020h07	100316904	SAP25	0.514861	0.784608	10.9267	10.8201	1.07669
7	hcs020h07	100316904	SAP25	0.996076	0.0055501	10.8549	10.8547	1.00019
1	hcs020h08			0.161417	-2.17693	9.82762	9.71381	1.08208
3	hcs020h08			0.267232	-1.52288	9.75271	10.1318	-1.3005
5	hcs020h08			0.701035	0.443065	9.96405	9.85693	1.07708
7	hcs020h08			0.874581	-0.178781	9.67788	9.70153	-1.01653
1	hcs020h10	5832	ALDH18A1	0.134925	2.43879	10.4619	10.8559	0.761034
3	hcs020h10	5832	ALDH18A1	0.479802	-0.861396	10.4512	10.7192	-1.20419
5	hcs020h10	5832	ALDH18A1	0.521659	0.770321	10.8342	10.7151	1.08603
7	hcs020h10	5832	ALDH18A1	0.24589	-1.62387	10.515	10.5799	-1.04604
1	hcs020h11			0.392349	1.08202	10.4453	10.6846	0.847137
3	hcs020h11			0.893257	0.151824	10.4361	10.3907	1.03193
5	hcs020h11			0.388565	1.09277	10.811	10.641	1.12506
7	hcs020h11			0.658224	0.514316	10.4882	10.4629	1.01767
1	hcs020h12	?	?	0.219206	1.76734	12.3401	12.5728	0.851041
3	hcs020h12	?	?	0.822852	0.254551	12.2887	12.2465	1.02968
5	hcs020h12	?	?	0.434612	-0.969392	12.3541	12.4965	-1.10369
7	hcs020h12	?	?	0.209817	-1.82337	11.9702	12.3018	-1.25841
1	hcs021a01	113691	MGC16703	0.278699	1.47277	11.042	11.219	0.88452
3	hcs021a01	113691	MGC16703	0.809945	-0.273769	10.9262	10.9937	-1.0479
5	hcs021a01	113691	MGC16703	0.954597	0.0642758	11.1757	11.1669	1.00612
7	hcs021a01	113691	MGC16703	0.04298	-4.66665	10.4154	10.7332	-1.24643
1	hcs021a02	720	C4A	0.720632	-0.411469	10.4054	10.2927	1.08123
3	hcs021a02	720	C4A	0.286607	-1.4397	10.4656	10.8519	-1.30707
5	hcs021a02	720	C4A	0.253204	1.58804	10.5954	10.24	1.27934
7	hcs021a02	720	C4A	0.0618178	3.83308	10.5164	10.4347	1.05824
1	hcs021a03	84105	PCBD2	0.260923	1.55163	10.6665	10.9612	0.815261
3	hcs021a03	84105	PCBD2	0.468557	-0.887238	11.2595	11.3602	-1.07227
5	hcs021a03	84105	PCBD2	0.283735	1.45158	10.9979	10.6288	1.29155
7	hcs021a03	84105	PCBD2	0.934196	0.0932633	10.718	10.7054	1.0088
1	hcs021a04	?	?	0.381173	1.1141	10.0484	10.3153	0.831103
3	hcs021a04	?	?	0.28097	-1.46316	10.5726	10.7589	-1.13784
5	hcs021a04	?	?	0.484365	0.851086	10.5303	10.3016	1.17182
7	hcs021a04	?	?	0.428265	0.985518	10.3133	10.1393	1.12812
1	hcs021a05	124221	PRSS30P	0.735281	0.388218	10.8804	11.0277	0.902959
3	hcs021a05	124221	PRSS30P	0.721012	0.410863	11.0876	10.9322	1.11373
5	hcs021a05	124221	PRSS30P	0.242262	1.64215	10.9729	10.4379	1.44895
7	hcs021a05	124221	PRSS30P	0.234492	-1.68254	10.9465	11.0579	-1.08025
1	hcs021a06	10480	EIF3M	0.908354	0.130155	10.8722	10.8937	0.985208
3	hcs021a06	10480	EIF3M	0.465509	0.894354	11.0836	11.0035	1.05714
5	hcs021a06	10480	EIF3M	0.423286	0.998349	11.2816	11.1179	1.1201

7	hcs021a06	10480	EIF3M	0.786633	-0.308859	10.7495	10.7756	-1.01826
1	hcs021a07	?	?	0.93414	-0.0933425	13.3385	13.3293	1.0064
3	hcs021a07	?	?	0.785425	0.310692	13.0334	12.9976	1.02513
5	hcs021a07	?	?	0.272159	1.50103	13.3919	13.0652	1.25408
7	hcs021a07	?	?	0.143882	2.34284	13.4013	13.1001	1.2322
1	hcs021a08	7280	TUBB2A	0.733854	-0.39047	12.8303	12.7408	1.06403
3	hcs021a08	7280	TUBB2A	0.693176	-0.455905	12.8554	12.9629	-1.07733
5	hcs021a08	7280	TUBB2A	0.990655	-0.0132168	12.8736	12.8762	-1.00178
7	hcs021a08	7280	TUBB2A	0.0370424	-5.0503	12.388	12.917	-1.44293
1	hcs021a09	6506	SLC1A2	0.384936	1.10318	13.5665	13.7649	0.871537
3	hcs021a09	6506	SLC1A2	0.779503	0.319698	13.6521	13.5725	1.05675
5	hcs021a09	6506	SLC1A2	0.130269	2.49224	13.7905	13.3073	1.39781
7	hcs021a09	6506	SLC1A2	0.0290844	5.73498	13.882	13.2538	1.54556
1	hcs021a11	8560	DEGS1	0.276594	1.48178	10.5003	10.6023	0.931762
3	hcs021a11	8560	DEGS1	0.27817	-1.47503	10.6476	10.9246	-1.21167
5	hcs021a11	8560	DEGS1	0.326287	1.28929	10.7104	10.4992	1.15765
7	hcs021a11	8560	DEGS1	0.229928	1.70709	10.4484	10.3095	1.10109
1	hcs021a12	92840	REEP6	0.898029	0.144965	13.1627	13.2256	0.957316
3	hcs021a12	92840	REEP6	0.862352	0.196535	13.228	13.1611	1.04746
5	hcs021a12	92840	REEP6	0.766158	0.340133	13.3443	13.2442	1.07182
7	hcs021a12	92840	REEP6	0.489831	-0.838866	12.8487	13.062	-1.15934
1	hcs021b02	2026	ENO2	0.376326	1.12834	11.5703	11.9664	0.759892
3	hcs021b02	2026	ENO2	0.923541	0.108447	11.6356	11.6131	1.01569
5	hcs021b02	2026	ENO2	0.782935	0.314474	12.1356	12.0809	1.03867
7	hcs021b02	2026	ENO2	0.278047	-1.47555	11.567	11.7887	-1.16611
1	hcs021b03	8482	SEMA7A	0.179905	2.0268	10.9859	11.323	0.791613
3	hcs021b03	8482	SEMA7A	0.449493	-0.932567	11.4403	11.5732	-1.09652
5	hcs021b03	8482	SEMA7A	0.114389	2.69674	11.2899	11.021	1.20489
7	hcs021b03	8482	SEMA7A	0.434614	0.969388	11.2003	10.9574	1.18342
1	hcs021b04	10620	ARID3B	0.317079	1.32212	10.6101	11.0063	0.759857
3	hcs021b04	10620	ARID3B	0.159296	-2.19565	11.3086	11.5238	-1.16092
5	hcs021b04	10620	ARID3B	0.278768	1.47248	11.3041	10.607	1.62121
7	hcs021b04	10620	ARID3B	0.0627913	3.80026	10.9144	10.8442	1.04986
1	hcs021b05	10939	AFG3L2	0.0809477	3.29769	10.7929	11.0017	0.865256
3	hcs021b05	10939	AFG3L2	0.938993	0.0864374	11.1132	11.0839	1.02052
5	hcs021b05	10939	AFG3L2	0.366683	1.15732	11.1465	10.8947	1.19072
7	hcs021b05	10939	AFG3L2	0.44959	0.932329	10.8535	10.7729	1.05751
1	hcs021b06	4134	MAP4	0.20103	1.8789	11.2704	11.5919	0.800237
3	hcs021b06	4134	MAP4	0.721872	0.40949	11.7955	11.6344	1.11814
5	hcs021b06	4134	MAP4	0.202047	1.87231	11.8064	11.4765	1.25696
7	hcs021b06	4134	MAP4	0.182216	2.00951	11.5783	11.4403	1.10033
1	hcs021b08	7482	WNT2B	0.17337	2.07737	10.073	10.4169	0.787909
3	hcs021b08	7482	WNT2B	0.743837	-0.374773	10.3569	10.5145	-1.11539
5	hcs021b08	7482	WNT2B	0.424814	0.994392	10.5946	10.4195	1.12907
7	hcs021b08	7482	WNT2B	0.424646	0.994827	10.311	9.99282	1.24678
1	hcs021b09	10527	IPO7	0.413854	1.02312	9.78962	9.87303	0.943824
3	hcs021b09	10527	IPO7	0.397128	-1.06862	10.0641	10.1943	-1.0945

5	hcs021b09	10527	IPO7	0.276299	-1.48304	9.66329	9.86308	-1.14854
7	hcs021b09	10527	IPO7	0.0468332	-4.45694	9.66895	9.88528	-1.16177
1	hcs021b10	84883	AIFM2	0.215869	1.78688	10.4561	10.6836	0.854113
3	hcs021b10	84883	AIFM2	0.34392	-1.22942	10.9166	11.1812	-1.20125
5	hcs021b10	84883	AIFM2	0.3494	1.21157	10.9359	10.7078	1.17126
7	hcs021b10	84883	AIFM2	0.314262	1.33239	10.6909	10.4624	1.17164
1	hcs021b11	5007	OSBP	0.457422	-0.913472	10.6728	10.3597	1.24237
3	hcs021b11	5007	OSBP	0.293253	-1.41278	10.3469	10.8463	-1.41361
5	hcs021b11	5007	OSBP	0.416035	1.01734	10.7237	10.4621	1.19884
7	hcs021b11	5007	OSBP	0.952106	-0.0678105	10.3348	10.3444	-1.00668
1	hcs021b12	4722	NDUFS3	0.91174	0.125308	11.2717	11.2931	0.985253
3	hcs021b12	4722	NDUFS3	0.623839	0.57414	11.3513	11.213	1.10063
5	hcs021b12	4722	NDUFS3	0.952619	0.0670823	11.4158	11.4035	1.00859
7	hcs021b12	4722	NDUFS3	0.968206	0.0449868	11.1802	11.1784	1.00127
1	hcs021c01	4968	OGG1	0.834072	0.237956	10.1021	10.1208	0.987126
3	hcs021c01	4968	OGG1	0.138634	-2.39801	10.2163	10.6215	-1.32426
5	hcs021c01	4968	OGG1	0.383322	1.10785	10.1761	9.97913	1.14632
7	hcs021c01	4968	OGG1	0.623152	0.575363	9.87823	9.75876	1.08634
1	hcs021c02	90423	ATP6V1E2	0.263063	1.54179	10.1224	10.3663	0.844489
3	hcs021c02	90423	ATP6V1E2	0.151282	-2.2696	10.5221	10.9223	-1.31973
5	hcs021c02	90423	ATP6V1E2	0.605985	0.606267	10.4277	10.3164	1.08018
7	hcs021c02	90423	ATP6V1E2	0.322105	1.30406	10.3695	10.1362	1.17552
1	hcs021c03	23321	TRIM2	0.188639	1.96296	10.2906	10.4737	0.880829
3	hcs021c03	23321	TRIM2	0.194807	-1.92022	10.5473	10.85	-1.23345
5	hcs021c03	23321	TRIM2	0.267003	1.52391	10.6156	10.3057	1.2396
7	hcs021c03	23321	TRIM2	0.987526	0.0176429	10.2185	10.2162	1.00165
1	hcs021c05	2978	GUCA1A	0.270802	1.507	10.3194	10.5742	0.838123
3	hcs021c05	2978	GUCA1A	0.31854	-1.31683	10.5771	10.8675	-1.22295
5	hcs021c05	2978	GUCA1A	0.925265	-0.105987	10.7095	10.7226	-1.00912
7	hcs021c05	2978	GUCA1A	0.381263	-1.11383	10.1397	10.2034	-1.04515
1	hcs021c06	27044	SND1	0.232319	1.69415	11.3481	11.5119	0.892671
3	hcs021c06	27044	SND1	0.498556	0.819646	11.616	11.4663	1.10934
5	hcs021c06	27044	SND1	0.30841	1.3541	11.6492	11.4819	1.12295
7	hcs021c06	27044	SND1	0.536346	0.740061	11.4154	11.3352	1.05714
1	hcs021c07	730094	C16orf52	0.442173	0.950514	9.71784	9.86591	0.902459
3	hcs021c07	730094	C16orf52	0.252457	-1.59164	9.76782	10.009	-1.18196
5	hcs021c07	730094	C16orf52	0.523394	0.766705	10.0644	9.92786	1.09928
7	hcs021c07	730094	C16orf52	0.565981	-0.681312	9.37742	9.52927	-1.11099
1	hcs021c08	51809	GALNT7	0.928228	-0.101764	10.5538	10.5305	1.01628
3	hcs021c08	51809	GALNT7	0.320895	-1.30837	10.7315	11.0597	-1.25539
5	hcs021c08	51809	GALNT7	0.500332	0.815773	10.7023	10.5323	1.12503
7	hcs021c08	51809	GALNT7	0.699941	0.444845	10.5345	10.49	1.03135
1	hcs021c11	6625	SNRNP70	0.541978	0.728666	10.8113	10.9258	0.923724
3	hcs021c11	6625	SNRNP70	0.626543	0.569342	11.1671	11.0314	1.09863
5	hcs021c11	6625	SNRNP70	0.955748	-0.0626426	10.8876	10.9028	-1.01059
7	hcs021c11	6625	SNRNP70	0.628499	-0.56588	10.7051	10.7295	-1.01706
1	hcs021c12	256987	SERINC5	0.93916	0.086201	9.95479	9.97322	0.987304



3	hcs021c12	256987	SERINC5	0.825823	0.250147	10.2562	10.1978	1.04133
5	hcs021c12	256987	SERINC5	0.675613	-0.484979	10.0795	10.1965	-1.08448
7	hcs021c12	256987	SERINC5	0.0899723	3.10453	9.96141	9.72796	1.17565
1	hcs021d01	8625	RFXANK	0.746394	0.370775	11.9941	12.0367	0.970903
3	hcs021d01	8625	RFXANK	0.746338	0.370862	12.0877	11.993	1.06782
5	hcs021d01	8625	RFXANK	0.795189	-0.295919	12.02	12.0982	-1.05568
7	hcs021d01	8625	RFXANK	0.478673	0.863963	12.0398	11.9181	1.08802
1	hcs021d02	?	?	0.538746	0.735192	10.6256	10.7152	0.939761
3	hcs021d02	?	?	0.736259	-0.386677	10.7803	10.9732	-1.14311
5	hcs021d02	?	?	0.219951	1.76302	10.829	10.4732	1.27967
7	hcs021d02	?	?	0.355753	1.19127	10.6619	10.515	1.10716
1	hcs021d03	114789	SLC25A25	0.593428	-0.629344	10.8431	10.6989	1.10509
3	hcs021d03	114789	SLC25A25	0.972895	0.0383467	10.8793	10.8611	1.01264
5	hcs021d03	114789	SLC25A25	0.430673	0.979368	10.7773	10.5711	1.15365
7	hcs021d03	114789	SLC25A25	0.258976	1.56068	10.9155	10.779	1.09921
3	hcs021d05	7018	TF	0.210488	-1.81925	10.2892	10.6129	-1.25157
5	hcs021d05	7018	TF	0.470229	0.883356	10.341	10.1323	1.15569
7	hcs021d05	7018	TF	0.644646	-0.537636	10.1982	10.3166	-1.08553
5	hcs021d06	?	?	0.701289	0.44265	9.58042	9.45463	1.0911
1	hcs021d07	1740	DLG2	0.23471	1.68139	10.6832	10.9141	0.852084
3	hcs021d07	1740	DLG2	0.802407	-0.285058	10.9347	11.0582	-1.0894
5	hcs021d07	1740	DLG2	0.390492	1.08728	11.2271	11.0086	1.16355
7	hcs021d07	1740	DLG2	0.0725717	3.50689	11.1351	10.7055	1.34689
1	hcs021d08	79724	ZNF768	0.266471	1.52631	10.6872	10.9482	0.83449
3	hcs021d08	79724	ZNF768	0.938069	0.0877516	10.9606	10.91	1.03565
5	hcs021d08	79724	ZNF768	0.249241	1.60729	11.0931	10.7551	1.26397
7	hcs021d08	79724	ZNF768	0.355451	1.19222	10.8059	10.6628	1.10427
1	hcs021d09	2779	GNAT1	0.326188	1.28963	10.5064	10.5847	0.947151
3	hcs021d09	2779	GNAT1	0.386667	1.0982	10.974	10.6903	1.21737
5	hcs021d09	2779	GNAT1	0.55251	-0.707652	10.6572	10.7617	-1.07507
7	hcs021d09	2779	GNAT1	0.251095	-1.59823	10.2112	10.3187	-1.07733
1	hcs021d10	6525	SMTN	0.440584	0.954454	10.8487	11.1808	0.794361
3	hcs021d10	6525	SMTN	0.857788	-0.203183	11.0597	11.1526	-1.06649
5	hcs021d10	6525	SMTN	0.833266	0.239146	11.1672	11.1415	1.01795
7	hcs021d10	6525	SMTN	0.0566353	-4.02137	10.9325	11.1348	-1.15053
1	hcs021d11	?	?	0.483086	0.853965	10.2396	10.4133	0.886566
3	hcs021d11	?	?	0.869512	-0.18613	10.2311	10.3047	-1.05237
5	hcs021d11	?	?	0.802277	0.285254	10.4616	10.4095	1.03677
7	hcs021d11	?	?	0.0549473	4.0882	9.91406	9.81108	1.07399
1	hcs021d12	?	?	0.811368	0.271643	11.5205	11.5565	0.975333
3	hcs021d12	?	?	0.463926	0.898068	11.5723	11.3459	1.16988
5	hcs021d12	?	?	0.755814	-0.356111	11.5561	11.6114	-1.03908
7	hcs021d12	?	?	0.527089	0.759038	11.307	11.1884	1.08566
1	hcs021e01	1796	DOK1	0.287396	1.43646	10.3613	10.541	0.882866
3	hcs021e01	1796	DOK1	0.929192	-0.10039	10.4786	10.5188	-1.02823
5	hcs021e01	1796	DOK1	0.287571	1.43575	10.7575	10.4945	1.19992
7	hcs021e01	1796	DOK1	0.266653	1.52549	10.4958	10.2953	1.14904

1	hcs021e02	84148	MYST1	0.30138	1.38086	10.724	10.8753	0.900438
3	hcs021e02	84148	MYST1	0.870913	0.184097	10.8104	10.7223	1.06297
5	hcs021e02	84148	MYST1	0.320277	1.31058	10.9876	10.7392	1.18783
7	hcs021e02	84148	MYST1	0.42345	0.997922	10.6885	10.577	1.0803
1	hcs021e03			0.540716	0.73121	10.2166	10.2901	0.950352
3	hcs021e03			0.0907233	-3.08971	10.4135	10.7488	-1.26164
5	hcs021e03			0.547464	0.717674	10.4453	10.359	1.06166
7	hcs021e03			0.263063	1.54178	10.283	10.0811	1.15017
1	hcs021e04	7323	UBE2D3	0.0158743	7.84211	11.142	11.1948	0.964085
3	hcs021e04	7323	UBE2D3	0.729107	0.397981	11.2904	11.1481	1.10366
5	hcs021e04	7323	UBE2D3	0.193859	1.92667	11.5211	11.1552	1.28866
7	hcs021e04	7323	UBE2D3	0.241674	-1.64515	11.0867	11.222	-1.0983
1	hcs021e06	6844	VAMP2	0.0561827	4.039	9.82233	10.1743	0.783494
5	hcs021e06	6844	VAMP2	0.743068	0.375979	10.1426	10.0611	1.05809
7	hcs021e06	6844	VAMP2	0.538186	0.736326	10.0315	9.92184	1.079
1	hcs021e07	27316	RBMX	0.189385	1.95769	11.6074	11.7278	0.919932
3	hcs021e07	27316	RBMX	0.796908	0.293328	11.7231	11.6626	1.04285
5	hcs021e07	27316	RBMX	0.751884	0.362215	11.8165	11.7439	1.05161
7	hcs021e07	27316	RBMX	0.0984947	-2.94597	11.3827	11.5748	-1.14245
1	hcs021e08	79586	CHPF	0.465108	0.895294	10.5003	10.7105	0.864398
3	hcs021e08	79586	CHPF	0.883709	0.165584	10.795	10.7702	1.01729
5	hcs021e08	79586	CHPF	0.395626	1.07282	10.8203	10.7821	1.02686
7	hcs021e08	79586	CHPF	0.63579	-0.553056	10.4498	10.484	-1.02399
1	hcs021e09	23181	DIP2A	0.382802	1.10936	11.0186	11.1887	0.888761
3	hcs021e09	23181	DIP2A	0.819483	0.259553	11.1531	11.0917	1.0435
5	hcs021e09	23181	DIP2A	0.524296	0.764828	11.2627	11.1308	1.09574
7	hcs021e09	23181	DIP2A	0.278721	-1.47268	10.9125	11.0584	-1.10647
1	hcs021e10	5080	PAX6	0.365963	1.15953	11.1051	11.3105	0.867298
3	hcs021e10	5080	PAX6	0.785375	0.310767	11.3952	11.3227	1.05154
5	hcs021e10	5080	PAX6	0.860024	0.199925	11.2521	11.2192	1.02309
7	hcs021e10	5080	PAX6	0.896466	-0.14721	11.2433	11.251	-1.00535
1	hcs021e11	6094	ROM1	0.415203	1.01954	10.7615	10.944	0.881175
3	hcs021e11	6094	ROM1	0.827302	0.247957	11.0574	11.0023	1.03888
5	hcs021e11	6094	ROM1	0.680761	0.476401	11.0852	10.9975	1.06267
7	hcs021e11	6094	ROM1	0.990144	-0.0139387	10.9221	10.9227	-1.00039
1	hcs021e12	93323	HAUS8	0.29194	1.41803	10.6801	10.9503	0.829185
3	hcs021e12	93323	HAUS8	0.601807	0.613898	11.1222	10.9337	1.1396
5	hcs021e12	93323	HAUS8	0.902254	0.138899	10.9495	10.9259	1.01647
7	hcs021e12	93323	HAUS8	0.357299	1.1864	10.7903	10.6864	1.07472
1	hcs021f01	?	?	0.265856	1.52908	11.059	11.2641	0.867458
3	hcs021f01	?	?	0.996443	0.0050308	11.359	11.3572	1.00127
5	hcs021f01	?	?	0.494195	0.829209	11.384	11.2262	1.11558
7	hcs021f01	?	?	0.49717	0.822676	11.0831	11.0191	1.04536
1	hcs021f02	54583	EGLN1	0.482449	0.855403	10.722	10.8463	0.91747
3	hcs021f02	54583	EGLN1	0.914192	0.1218	10.926	10.883	1.03025
5	hcs021f02	54583	EGLN1	0.454899	0.919509	11.0919	10.7458	1.27118
7	hcs021f02	54583	EGLN1	0.390184	1.08816	10.993	10.6342	1.28236

1	hcs021f03	64792	RABL5	0.863891	-0.194295	11.8099	11.7882	1.01513
3	hcs021f03	64792	RABL5	0.95338	0.0660021	11.6858	11.6707	1.01057
5	hcs021f03	64792	RABL5	0.21591	1.78664	11.7964	11.3813	1.33339
7	hcs021f03	64792	RABL5	0.882908	0.166739	11.5455	11.5233	1.01548
1	hcs021f04	79717	PPCS	0.303556	1.3725	10.7818	11.0983	0.803016
3	hcs021f04	79717	PPCS	0.578214	0.657878	11.1905	10.9683	1.16648
5	hcs021f04	79717	PPCS	0.261759	1.54777	11.2524	10.6865	1.48031
7	hcs021f04	79717	PPCS	0.226724	1.7247	10.93	10.8516	1.0559
1	hcs021f06	8209	C21orf33	0.406448	1.04301	11.5122	11.7006	0.877579
3	hcs021f06	8209	C21orf33	0.687538	0.465179	12.0202	11.8457	1.12852
5	hcs021f06	8209	C21orf33	0.695627	0.45189	11.7354	11.6749	1.04283
7	hcs021f06	8209	C21orf33	0.853137	-0.209973	11.5452	11.5582	-1.00905
1	hcs021f07			0.272358	1.50015	10.5739	10.7587	0.87975
3	hcs021f07			0.261547	-1.54875	10.9688	11.3723	-1.32271
5	hcs021f07			0.287325	1.43675	10.8729	10.805	1.04819
7	hcs021f07			0.352432	1.20182	10.8598	10.72	1.1018
1	hcs021f08	?	?	0.284663	1.44772	10.944	11.1528	0.865257
3	hcs021f08	?	?	0.992921	0.0100115	11.1508	11.1456	1.00361
5	hcs021f08	?	?	0.343914	1.22945	11.2384	11.02	1.16347
7	hcs021f08	?	?	0.488728	0.841322	11.0127	10.9141	1.07078
1	hcs021f09	2784	GNB3	0.672041	0.490959	10.35	10.3997	0.966137
3	hcs021f09	2784	GNB3	0.867644	-0.188842	10.6197	10.6991	-1.05653
5	hcs021f09	2784	GNB3	0.5381	0.7365	10.8369	10.6364	1.14912
7	hcs021f09	2784	GNB3	0.859101	-0.201268	10.4532	10.5037	-1.03565
1	hcs021f10	2979	GUCA1B	0.238032	1.66393	9.63103	10.5443	0.530967
3	hcs021f10	2979	GUCA1B	0.417836	-1.01259	10.1967	10.5536	-1.28064
5	hcs021f10	2979	GUCA1B	0.112841	-2.71881	10.2599	10.4024	-1.10384
7	hcs021f10	2979	GUCA1B	0.545869	0.720859	10.0522	9.93173	1.08707
1	hcs021f11	8603	FAM193A	0.231348	1.69938	10.6995	10.9301	0.852261
3	hcs021f11	8603	FAM193A	0.770177	-0.333958	10.7016	10.8069	-1.07569
5	hcs021f11	8603	FAM193A	0.714192	0.421788	10.9177	10.8349	1.05905
7	hcs021f11	8603	FAM193A	0.417701	1.01294	10.6328	10.5191	1.08205
1	hcs021f12	?	?	0.200789	1.88046	11.8577	12.1215	0.832872
3	hcs021f12	?	?	0.688415	0.463734	11.7044	11.6118	1.06634
5	hcs021f12	?	?	0.378974	-1.12053	12.0198	12.1015	-1.05826
7	hcs021f12	?	?	0.231289	-1.6997	11.4422	11.8444	-1.32152
1	hcs021g01	64172	OSGEPL1	0.235236	1.6786	10.2238	10.4146	0.87612
3	hcs021g01	64172	OSGEPL1	0.806727	-0.278582	10.217	10.3124	-1.0684
5	hcs021g01	64172	OSGEPL1	0.60618	0.605911	10.4639	10.3538	1.0793
7	hcs021g01	64172	OSGEPL1	0.218018	1.77425	10.2826	10.0052	1.21197
1	hcs021g02	10099	TSPAN3	0.195565	1.91509	13.9928	14.5411	0.683826
3	hcs021g02	10099	TSPAN3	0.231091	-1.70077	13.9133	14.2482	-1.26129
5	hcs021g02	10099	TSPAN3	0.498602	-0.819544	14.4549	14.7329	-1.21251
7	hcs021g02	10099	TSPAN3	0.0193929	-7.07602	13.5714	14.5058	-1.9111
1	hcs021g03	6433	SFSWAP	0.312548	1.3387	9.98819	10.2309	0.845174
3	hcs021g03	6433	SFSWAP	0.461641	-0.903455	10.4982	10.588	-1.0642
5	hcs021g03	6433	SFSWAP	0.221774	-1.75256	10.3221	10.4779	-1.11404

7	hcs021g03	6433	SFSWAP	0.737554	-0.384637	9.93473	9.94654	-1.00822
1	hcs021g04	4851	NOTCH1	0.37874	1.12122	10.2663	10.4604	0.874118
3	hcs021g04	4851	NOTCH1	0.246126	-1.62269	10.776	10.9586	-1.13493
5	hcs021g04	4851	NOTCH1	0.871428	0.18335	10.6526	10.6079	1.03144
7	hcs021g04	4851	NOTCH1	0.0715939	3.53359	10.4057	10.3024	1.07417
1	hcs021g05	10858	CYP46A1	0.824001	0.252847	10.6104	10.6398	0.97985
3	hcs021g05	10858	CYP46A1	0.177812	-2.04272	10.9431	11.1424	-1.14809
5	hcs021g05	10858	CYP46A1	0.32559	1.29173	10.9059	10.8607	1.03183
7	hcs021g05	10858	CYP46A1	0.297238	1.39699	10.6616	10.4868	1.12876
1	hcs021g06			0.26335	1.54047	11.4415	11.6365	0.873593
3	hcs021g06			0.453415	0.923077	11.9076	11.6414	1.20266
5	hcs021g06			0.320787	1.30876	11.7344	11.502	1.17481
7	hcs021g06			0.188296	1.96539	11.5834	11.4935	1.06427
1	hcs021g07	5126	PCSK2	0.275224	1.48768	10.8606	11.2664	0.754835
3	hcs021g07	5126	PCSK2	0.721057	0.410791	11.2367	11.0692	1.12314
5	hcs021g07	5126	PCSK2	0.569876	0.6738	11.3337	11.1764	1.11517
7	hcs021g07	5126	PCSK2	0.0249424	6.21278	11.2296	11.164	1.04652
1	hcs021g08	478	ATP1A3	0.115022	2.68784	11.0084	11.1789	0.888555
3	hcs021g08	478	ATP1A3	0.558757	0.695364	11.2961	11.1014	1.14449
5	hcs021g08	478	ATP1A3	0.213619	1.80028	11.2635	10.9721	1.22383
7	hcs021g08	478	ATP1A3	0.325612	1.29165	11.1054	11.0186	1.06196
1	hcs021g09	56894	AGPAT3	0.372294	1.14036	10.852	11.0062	0.898651
3	hcs021g09	56894	AGPAT3	0.58599	0.643213	11.2044	10.9813	1.16721
5	hcs021g09	56894	AGPAT3	0.197038	1.90521	11.2035	10.969	1.17644
7	hcs021g09	56894	AGPAT3	0.191901	1.94013	10.8848	10.854	1.02158
1	hcs021g10	5961	PRPH2	0.492251	0.8335	11.2952	11.5197	0.855892
3	hcs021g10	5961	PRPH2	0.681212	0.47565	11.439	11.3394	1.07148
5	hcs021g10	5961	PRPH2	0.387481	1.09587	11.6184	11.4315	1.13829
7	hcs021g10	5961	PRPH2	0.339442	1.24427	11.3516	11.2878	1.04519
1	hcs021g11	117155	CATSPER2	0.433468	0.972281	11.5283	11.7655	0.84839
3	hcs021g11	117155	CATSPER2	0.894342	0.150264	11.6106	11.5787	1.02236
5	hcs021g11	117155	CATSPER2	0.657922	-0.51483	11.721	11.7821	-1.04324
7	hcs021g11	117155	CATSPER2	0.762162	-0.346291	11.5728	11.6093	-1.02565
1	hcs021g12	4804	NGFR	0.229218	1.71096	10.461	10.6124	0.900397
3	hcs021g12	4804	NGFR	0.982965	-0.024094	10.4268	10.4343	-1.00517
5	hcs021g12	4804	NGFR	0.985334	-0.0207426	10.4301	10.4353	-1.00359
7	hcs021g12	4804	NGFR	0.0305283	5.59144	10.3726	10.2649	1.07752
1	hcs021h01	51552	RAB14	0.260727	1.55254	10.8254	11.0118	0.878776
3	hcs021h01	51552	RAB14	0.754457	0.358216	10.7384	10.6111	1.0923
5	hcs021h01	51552	RAB14	0.403053	1.05226	10.8823	10.6971	1.13692
7	hcs021h01	51552	RAB14	0.262636	1.54374	11.0435	10.7762	1.20353
1	hcs021h02	1381	CRABP1	0.521902	0.769813	10.9405	11.0637	0.918149
3	hcs021h02	1381	CRABP1	0.482834	0.854533	11.0003	10.8603	1.10185
5	hcs021h02	1381	CRABP1	0.285504	1.44424	11.0845	10.8759	1.15559
7	hcs021h02	1381	CRABP1	0.255399	1.57754	10.9018	10.6526	1.18858
1	hcs021h03	5132	PDC	0.841752	-0.226652	10.7674	10.7268	1.02852
3	hcs021h03	5132	PDC	0.920709	-0.112489	10.7714	10.8301	-1.04154

5	hcs021h03	5132	PDC	0.890685	0.155526	10.6974	10.6479	1.03491
7	hcs021h03	5132	PDC	0.420002	1.0069	10.7588	10.711	1.03371
1	hcs021h04	?	?	0.272431	1.49983	10.0685	10.2322	0.892714
3	hcs021h04	?	?	0.786111	-0.30965	10.704	10.7497	-1.03216
5	hcs021h04	?	?	0.187291	1.97255	10.7568	10.1599	1.51241
7	hcs021h04	?	?	0.606923	-0.604559	10.3757	10.5196	-1.10486
1	hcs021h05	3183	HNRNPC	0.83481	-0.236868	11.8314	11.7863	1.03173
3	hcs021h05	3183	HNRNPC	0.925014	-0.106345	11.7212	11.7504	-1.02042
5	hcs021h05	3183	HNRNPC	0.0145848	-8.18953	11.5081	11.7613	-1.19185
7	hcs021h05	3183	HNRNPC	0.22476	-1.73565	11.2171	11.4713	-1.19273
1	hcs021h06	55915	LANCL2	0.385202	1.10241	10.1381	10.3247	0.878674
3	hcs021h06	55915	LANCL2	0.247852	-1.61412	10.4223	10.8084	-1.3068
5	hcs021h06	55915	LANCL2	0.321653	1.30567	10.4428	10.0896	1.27733
7	hcs021h06	55915	LANCL2	0.818713	-0.260698	10.299	10.3556	-1.04
1	hcs021h07	5662	PSD	0.413987	1.02276	11.129	11.2651	0.909976
3	hcs021h07	5662	PSD	0.796147	0.294476	11.5152	11.3699	1.10591
5	hcs021h07	5662	PSD	0.435498	0.967162	11.4523	11.2565	1.14536
7	hcs021h07	5662	PSD	0.374926	1.1325	11.2793	11.1036	1.12956
1	hcs021h08	?	?	0.250671	1.6003	10.9822	11.2662	0.82133
3	hcs021h08	?	?	0.838272	0.23177	11.308	11.2109	1.0696
5	hcs021h08	?	?	0.303725	1.37185	11.3181	11.0753	1.18329
7	hcs021h08	?	?	0.263138	1.54144	11.1673	10.9267	1.18154
1	hcs021h09	51382	ATP6V1D	0.228144	1.71685	10.4864	10.8317	0.787144
3	hcs021h09	51382	ATP6V1D	0.882982	0.166634	10.8366	10.7678	1.04882
5	hcs021h09	51382	ATP6V1D	0.102965	2.8704	11.0913	10.6042	1.40159
7	hcs021h09	51382	ATP6V1D	0.508217	0.79875	10.873	10.5634	1.23939
5	hcs021h10	55658	RNF126	0.716427	0.4182	9.51879	9.40588	1.08141
1	hcs021h11	8721	EDF1	0.547761	0.717081	11.5903	11.7319	0.906513
3	hcs021h11	8721	EDF1	0.610336	0.598365	11.7559	11.62	1.0988
5	hcs021h11	8721	EDF1	0.129895	2.49665	11.9373	11.8254	1.08068
7	hcs021h11	8721	EDF1	0.238158	-1.66327	11.6208	11.6963	-1.05373
5	hcs021h12	389257	LRRC14B	0.353671	-1.19787	10.1036	10.5333	-1.34696
1	hcs022a01	3151	HMGN2	0.414707	-1.02085	11.8315	11.7097	1.08809
3	hcs022a01	3151	HMGN2	0.270949	-1.50635	11.6829	11.9341	-1.19017
5	hcs022a01	3151	HMGN2	0.286375	-1.44065	11.4415	11.6566	-1.16078
7	hcs022a01	3151	HMGN2	0.0972775	-2.9674	10.9407	11.5131	-1.48693
1	hcs022a02	9277	WDR46	0.160848	2.18192	11.4219	11.7438	0.800034
3	hcs022a02	9277	WDR46	0.166418	2.13409	12.0552	12.0187	1.0256
5	hcs022a02	9277	WDR46	0.13775	2.40759	11.8617	11.601	1.19803
7	hcs022a02	9277	WDR46	0.568546	0.676359	11.698	11.5119	1.13766
1	hcs022a03	84256	FLYWCH1	0.335348	1.25805	11.1292	11.4542	0.79828
3	hcs022a03	84256	FLYWCH1	0.385963	-1.10022	11.7906	11.884	-1.06688
5	hcs022a03	84256	FLYWCH1	0.347929	1.21633	11.432	11.1709	1.19839
7	hcs022a03	84256	FLYWCH1	0.853363	0.209642	11.2957	11.2713	1.01706
1	hcs022a05	4060	LUM	0.57217	-0.669399	10.859	10.7699	1.06371
3	hcs022a05	4060	LUM	0.17122	-2.09458	10.9824	11.2867	-1.23476
5	hcs022a05	4060	LUM	0.217308	1.7784	10.7628	10.4152	1.27244

7	hcs022a05	4060	LUM	0.541776	-0.729073	10.7923	10.8195	-1.01906
1	hcs022a06	?	?	0.597547	0.621727	10.023	10.357	0.793341
7	hcs022a06	?	?	0.229222	-1.71094	10.1289	10.4235	-1.22658
5	hcs022a07	3728	JUP	0.846385	-0.219854	10.1866	10.2085	-1.01532
7	hcs022a07	3728	JUP	0.952803	-0.066821	10.031	10.042	-1.00761
1	hcs022a09	6709	SPTAN1	0.366438	-1.15807	10.977	10.8493	1.09258
3	hcs022a09	6709	SPTAN1	0.0492274	4.33895	11.1637	10.9714	1.14258
5	hcs022a09	6709	SPTAN1	0.198161	1.89774	11.1282	10.8356	1.22485
7	hcs022a09	6709	SPTAN1	0.315803	1.32676	10.5899	10.5157	1.05275
1	hcs022a10	7275	TUB	0.698673	0.446913	9.88375	10.0735	0.876776
5	hcs022a10	7275	TUB	0.108592	-2.78163	9.72507	9.95406	-1.17201
7	hcs022a10	7275	TUB	0.266524	-1.52607	9.70999	10.0392	-1.25635
1	hcs022a12	25789	TMEM59L	0.954872	0.0638852	11.4957	11.4989	0.997761
3	hcs022a12	25789	TMEM59L	0.824715	0.251789	11.6716	11.6286	1.0303
5	hcs022a12	25789	TMEM59L	0.966108	0.0479574	11.4914	11.4826	1.00614
7	hcs022a12	25789	TMEM59L	0.281596	1.46052	11.2919	11.2257	1.047
1	hcs022b01	55766	H2AFJ	0.426117	-0.991032	11.4277	11.0272	1.31997
3	hcs022b01	55766	H2AFJ	0.605754	-0.606686	10.9682	11.0781	-1.0791
5	hcs022b01	55766	H2AFJ	0.353915	-1.1971	10.9751	11.1588	-1.13585
7	hcs022b01	55766	H2AFJ	0.284778	-1.44725	10.5344	10.8167	-1.21608
1	hcs022b02	5595	MAPK3	0.607034	0.604356	10.8551	10.9565	0.932106
3	hcs022b02	5595	MAPK3	0.901049	0.140628	10.9004	10.8756	1.01729
5	hcs022b02	5595	MAPK3	0.461817	0.903037	11.1373	11.0377	1.0715
7	hcs022b02	5595	MAPK3	0.983474	-0.0233741	10.6599	10.6611	-1.00079
1	hcs022b03	10840	ALDH1L1	0.454427	0.920644	9.96571	10.0847	0.920817
3	hcs022b03	10840	ALDH1L1	0.172774	-2.08211	10.248	10.7353	-1.40179
5	hcs022b03	10840	ALDH1L1	0.124181	-2.5663	9.94762	10.152	-1.15222
7	hcs022b03	10840	ALDH1L1	0.260669	-1.55281	9.67658	9.75835	-1.05831
1	hcs022b07	?	?	0.323278	-1.29989	10.1581	9.7849	1.29522
1	hcs022b08	11070	TMEM115	0.51366	0.787152	9.89457	10.0091	0.923687
3	hcs022b08	11070	TMEM115	0.208988	-1.82847	10.2068	10.5425	-1.26191
5	hcs022b08	11070	TMEM115	0.457952	-0.912209	9.94446	10.0866	-1.10354
1	hcs022b10	107	ADCY1	0.794514	-0.296937	10.0183	9.9431	1.05351
3	hcs022b10	107	ADCY1	0.567908	0.67759	10.4084	10.3366	1.05105
5	hcs022b10	107	ADCY1	0.459316	-0.908963	9.57394	9.62785	-1.03807
7	hcs022b10	107	ADCY1	0.869253	0.186505	9.66362	9.6284	1.02471
5	hcs022b11	23012	STK38L	0.556928	0.698949	9.0615	8.97591	1.06112
1	hcs022b12	3043	HBB	0.144543	2.33609	10.4487	10.4837	0.976009
3	hcs022b12	3043	HBB	0.536822	-0.739093	10.3982	10.6062	-1.15503
5	hcs022b12	3043	HBB	0.69083	-0.459758	10.4266	10.5106	-1.0599
7	hcs022b12	3043	HBB	0.481707	-0.857079	10.0264	10.0802	-1.038
1	hcs022c01	?	?	0.410226	1.03281	10.1253	10.1714	0.968545
3	hcs022c01	?	?	0.49591	-0.825439	10.0532	10.2419	-1.13976
5	hcs022c01	?	?	0.451491	0.92772	10.2737	10.131	1.10397
7	hcs022c01	?	?	0.198345	1.89651	10.0326	9.89399	1.10084
1	hcs022c02	23598	PATZ1	0.173368	2.07739	10.1854	10.4334	0.842082
3	hcs022c02	23598	PATZ1	0.21244	-1.80738	10.4459	10.8443	-1.31798

5	hcs022c02	23598	PATZ1	0.419381	1.00853	10.5066	10.3086	1.14713
7	hcs022c02	23598	PATZ1	0.320754	1.30888	10.2745	10.0634	1.15762
1	hcs022c03	23746	AIPL1	0.0339319	5.28956	10.3114	10.5896	0.8246
3	hcs022c03	23746	AIPL1	0.581239	0.652153	10.5583	10.4928	1.04645
5	hcs022c03	23746	AIPL1	0.595696	0.625144	10.6138	10.5418	1.05112
7	hcs022c03	23746	AIPL1	0.0101431	9.85353	10.1308	9.9869	1.10486
1	hcs022c04	64223	MLST8	0.828506	-0.246176	10.5181	10.4924	1.01797
3	hcs022c04	64223	MLST8	0.797063	0.293095	10.7844	10.7596	1.01739
5	hcs022c04	64223	MLST8	0.95248	0.06728	10.6061	10.5995	1.00461
7	hcs022c04	64223	MLST8	0.420787	-1.00485	10.0999	10.1385	-1.02705
1	hcs022c05	6513	SLC2A1	0.989465	-0.0148989	12.535	12.5293	1.00396
3	hcs022c05	6513	SLC2A1	0.176766	2.05077	12.8543	12.3769	1.39223
5	hcs022c05	6513	SLC2A1	0.261555	1.54871	13.19	12.6616	1.44236
7	hcs022c05	6513	SLC2A1	0.185107	1.98829	12.6784	12.4204	1.19585
1	hcs022c07	10933	MORF4L1	0.622387	0.576724	11.6135	11.7296	0.922657
3	hcs022c07	10933	MORF4L1	0.625203	0.571717	11.5721	11.4515	1.08721
5	hcs022c07	10933	MORF4L1	0.178384	2.03834	11.9993	11.7401	1.19679
7	hcs022c07	10933	MORF4L1	0.868709	-0.187295	11.5575	11.585	-1.01924
1	hcs022c08	55898	UNC45A	0.234103	-1.68461	10.1577	10.0765	1.05787
3	hcs022c08	55898	UNC45A	0.52515	-0.763056	10.2035	10.334	-1.09465
5	hcs022c08	55898	UNC45A	0.770927	0.332808	10.329	10.267	1.04391
7	hcs022c08	55898	UNC45A	0.118596	2.63885	10.049	9.85384	1.14483
1	hcs022c09	169522	KCNV2	0.580951	0.652697	9.76557	9.85314	0.941109
3	hcs022c09	169522	KCNV2	0.313742	-1.3343	9.81289	10.0874	-1.20961
5	hcs022c09	169522	KCNV2	0.322584	1.30235	9.71211	9.47273	1.18049
7	hcs022c09	169522	KCNV2	0.121786	2.59683	9.48267	9.20838	1.2094
1	hcs022c10	2309	FOXO3	0.399049	1.06329	10.348	10.5795	0.851749
3	hcs022c10	2309	FOXO3	0.944689	0.0783411	10.6151	10.5958	1.01348
5	hcs022c10	2309	FOXO3	0.372685	1.13918	10.9377	10.6715	1.20261
7	hcs022c10	2309	FOXO3	0.9385	-0.0871395	10.4167	10.4272	-1.00728
1	hcs022c11	4744	NEFH	0.538075	-0.736551	9.63843	9.49537	1.10424
3	hcs022c11	4744	NEFH	0.197426	-1.90262	9.79789	10.0496	-1.19063
5	hcs022c11	4744	NEFH	0.338821	-1.24635	9.53531	9.67022	-1.09802
1	hcs022c12	84681	HINT2	0.206484	1.84406	11.1498	11.7673	0.651785
3	hcs022c12	84681	HINT2	0.524881	-0.763613	11.6273	11.7523	-1.09051
5	hcs022c12	84681	HINT2	0.186621	-1.97735	11.6544	11.8501	-1.14528
7	hcs022c12	84681	HINT2	0.0748046	-3.44784	11.2901	11.6863	-1.31607
1	hcs022d01	148398	SAMD11	0.280268	1.46612	12.6997	12.7713	0.951604
3	hcs022d01	148398	SAMD11	0.76276	0.345368	12.678	12.6125	1.0464
5	hcs022d01	148398	SAMD11	0.874456	-0.178962	12.8706	12.8883	-1.01237
7	hcs022d01	148398	SAMD11	0.376848	-1.1268	12.5067	12.6812	-1.12857
1	hcs022d02	64221	ROBO3	0.286907	-1.43847	11.2489	10.5243	1.65248
5	hcs022d02	64221	ROBO3	0.131298	-2.4802	10.5281	10.8295	-1.23231
7	hcs022d02	64221	ROBO3	0.189194	-1.95903	10.3206	10.5551	-1.17653
1	hcs022d03	23017	FAIM2	0.83659	-0.234245	14.8948	14.8682	1.01861
3	hcs022d03	23017	FAIM2	0.494776	0.827931	14.7549	14.3286	1.34378
7	hcs022d03	23017	FAIM2	0.546276	-0.720045	14.8743	15.2556	-1.30252

1	hcs022d04	7070	THY1	0.347874	-1.21651	10.8413	10.0067	1.78342
5	hcs022d04	7070	THY1	0.374479	-1.13383	9.86495	10.5339	-1.58994
7	hcs022d04	7070	THY1	0.251782	-1.5949	9.82211	10.1252	-1.23379
1	hcs022d06	?	?	0.367322	1.15538	10.882	11.053	0.888227
3	hcs022d06	?	?	0.396017	1.07173	11.2269	11.1687	1.04117
5	hcs022d06	?	?	0.729306	-0.397666	10.9805	11.0508	-1.04998
7	hcs022d06	?	?	0.603076	0.611576	10.6633	10.617	1.03261
5	hcs022d07	805	CALM2	0.332713	-1.26703	10.7817	11.0383	-1.19463
7	hcs022d07	805	CALM2	0.21736	-1.7781	10.5469	10.8918	-1.27009
1	hcs022d08	284369	C19orf75	0.475777	0.870572	9.71258	9.86608	0.899066
3	hcs022d08	284369	C19orf75	0.683918	-0.471164	10.0126	10.094	-1.05803
5	hcs022d08	284369	C19orf75	0.0559058	-4.04989	10.0162	10.059	-1.03017
7	hcs022d08	284369	C19orf75	0.800249	0.288301	9.62827	9.6035	1.01732
1	hcs022d09			0.836286	-0.234693	10.8277	10.8149	1.00893
3	hcs022d09			0.782266	0.315491	11.0385	11.0051	1.02337
5	hcs022d09			0.940985	-0.0836049	10.8028	10.8146	-1.00824
7	hcs022d09			0.413609	1.02377	10.6037	10.4332	1.12547
1	hcs022d10	1431	CS	0.990099	-0.0140028	10.5798	10.579	1.00053
3	hcs022d10	1431	CS	0.548802	-0.715008	10.7481	10.8524	-1.07495
5	hcs022d10	1431	CS	0.847768	-0.217827	10.6386	10.6774	-1.02726
7	hcs022d10	1431	CS	0.56298	0.687129	10.1615	10.0969	1.04581
1	hcs022d11	23335	WDR7	0.361582	-1.17302	10.0943	10.0359	1.0413
3	hcs022d11	23335	WDR7	0.439239	0.957799	10.2244	9.9163	1.23811
5	hcs022d11	23335	WDR7	0.254266	-1.58294	9.82584	9.91324	-1.06245
7	hcs022d11	23335	WDR7	0.186594	-1.97754	9.65616	9.95327	-1.22868
1	hcs022d12	5564	PRKAB1	0.851722	0.212041	9.7054	9.73919	0.976853
3	hcs022d12	5564	PRKAB1	0.431615	0.976975	9.61205	9.46368	1.10832
5	hcs022d12	5564	PRKAB1	0.0221848	-6.60162	9.34308	9.48426	-1.10281
1	hcs022e01	?	?	0.659425	-0.512271	9.69578	9.61399	1.05833
3	hcs022e01	?	?	0.617585	0.585304	10.1127	10.0421	1.05015
5	hcs022e01	?	?	0.455662	-0.91768	9.64003	9.76836	-1.09303
1	hcs022e02	?	?	0.16453	2.15006	9.64493	9.95101	0.808834
3	hcs022e02	?	?	0.248413	1.61135	10.4736	10.2945	1.13212
5	hcs022e02	?	?	0.643472	-0.539671	9.87014	9.95655	-1.06173
1	hcs022e03	51594	NBAS	0.542307	0.728003	10.5712	10.7444	0.886894
3	hcs022e03	51594	NBAS	0.957688	-0.0598922	10.9721	10.9829	-1.00753
5	hcs022e03	51594	NBAS	0.0548169	-4.09349	10.9168	11.0867	-1.12501
7	hcs022e03	51594	NBAS	0.360412	-1.17665	10.2023	10.437	-1.17672
1	hcs022e04	?	?	0.551938	0.708784	11.3445	11.497	0.899711
3	hcs022e04	?	?	0.454171	0.921258	11.4466	11.3796	1.04751
5	hcs022e04	?	?	0.331024	-1.27283	11.4361	11.5133	-1.05502
7	hcs022e04	?	?	0.601026	-0.61533	11.051	11.2807	-1.17262
1	hcs022e05	10617	STAMBP	0.131051	2.48308	10.5088	10.7739	0.832141
3	hcs022e05	10617	STAMBP	0.849373	0.215477	10.9044	10.8332	1.05057
5	hcs022e05	10617	STAMBP	0.269408	1.51317	11.0372	10.7966	1.18154
7	hcs022e05	10617	STAMBP	0.59244	0.631177	10.7007	10.6565	1.03109
1	hcs022e06	6447	SCG5	0.211597	1.81249	10.4238	10.5456	0.91904



3	hcs022e06	6447	SCG5	0.92638	0.104398	10.8096	10.7889	1.0144
5	hcs022e06	6447	SCG5	0.183258	-2.0018	10.5774	10.6444	-1.04751
7	hcs022e06	6447	SCG5	0.279674	1.46863	10.3267	10.1709	1.11405
1	hcs022e07	64072	CDH23	0.548901	0.714812	10.0204	10.1184	0.934316
3	hcs022e07	64072	CDH23	0.988261	-0.0166028	10.4825	10.4838	-1.0009
5	hcs022e07	64072	CDH23	0.0066967	-12.1585	10.0383	10.2013	-1.11962
7	hcs022e07	64072	CDH23	0.429021	-0.983581	9.72002	9.85126	-1.09523
1	hcs022e08	5723	PSPH	0.469158	0.885841	10.4328	10.5505	0.921635
3	hcs022e08	5723	PSPH	0.97674	-0.0329038	10.6398	10.644	-1.00292
5	hcs022e08	5723	PSPH	0.677624	-0.481621	10.5301	10.5959	-1.04667
7	hcs022e08	5723	PSPH	0.626156	0.570028	10.303	10.2643	1.02719
1	hcs022e09	?	?	0.973119	-0.0380286	9.77997	9.77551	1.0031
3	hcs022e09	?	?	0.0812203	-3.29141	9.98573	10.2824	-1.22834
5	hcs022e09	?	?	0.53168	-0.749587	9.55787	9.76111	-1.15128
7	hcs022e09	?	?	0.976998	-0.032538	9.33433	9.33805	-1.00258
1	hcs022e11	9479	MAPK8IP1	0.878295	-0.173406	10.1881	10.1752	1.009
3	hcs022e11	9479	MAPK8IP1	0.875052	0.178099	10.2682	10.2363	1.02231
5	hcs022e11	9479	MAPK8IP1	0.781204	0.317108	10.2225	10.1634	1.04177
7	hcs022e11	9479	MAPK8IP1	0.0045173	14.8281	10.0662	9.85975	1.15384
1	hcs022e12	3106	HLA-B	0.768263	0.336897	13.4778	13.5259	0.967232
3	hcs022e12	3106	HLA-B	0.0814434	-3.28629	13.2468	13.3524	-1.07597
5	hcs022e12	3106	HLA-B	0.671756	-0.491436	13.429	13.5117	-1.05902
7	hcs022e12	3106	HLA-B	0.272251	-1.50062	13.3171	13.487	-1.12498
3	hcs022f01	2879	GPX4	0.771223	-0.332354	10.1685	10.3841	-1.16119
3	hcs022f02	28951	TRIB2	0.386339	1.09914	10.9274	10.1167	1.75401
5	hcs022f02	28951	TRIB2	0.304978	-1.36707	9.74002	10.1775	-1.3542
7	hcs022f02	28951	TRIB2	0.562143	-0.688757	9.99284	10.1458	-1.11188
1	hcs022f03	3183	HNRNPC	0.670808	0.493028	10.6472	10.7944	0.903001
3	hcs022f03	3183	HNRNPC	0.143798	-2.3437	10.7763	10.9954	-1.16401
5	hcs022f03	3183	HNRNPC	0.0403955	-4.82344	10.4164	10.5538	-1.09995
7	hcs022f03	3183	HNRNPC	0.276457	-1.48236	10.3665	10.4924	-1.09119
1	hcs022f04	283638	KIAA0284	0.483647	0.852703	10.3514	10.7691	0.748627
3	hcs022f04	283638	KIAA0284	0.351032	1.20631	11.1874	10.721	1.38163
5	hcs022f04	283638	KIAA0284	0.484573	-0.85062	10.7129	10.7927	-1.05682
7	hcs022f04	283638	KIAA0284	0.393626	1.07843	10.4858	10.3749	1.07989
1	hcs022f05	1351	COX8A	0.993902	-0.0086242	11.1458	11.1447	1.00076
3	hcs022f05	1351	COX8A	0.670275	0.493923	11.1421	11.1065	1.02503
5	hcs022f05	1351	COX8A	0.164577	-2.14965	10.9002	11.1655	-1.20186
7	hcs022f05	1351	COX8A	0.116616	-2.66573	10.545	10.6529	-1.07766
1	hcs022f06	91582	RPS19BP1	0.848628	-0.216568	10.5343	10.5104	1.01668
3	hcs022f06	91582	RPS19BP1	0.715435	-0.419791	10.7317	10.8134	-1.05829
5	hcs022f06	91582	RPS19BP1	0.367025	1.15628	10.6142	10.4692	1.10576
7	hcs022f06	91582	RPS19BP1	0.0523562	4.19683	10.2858	10.151	1.09792
1	hcs022f07	9818	NUPL1	0.222236	-1.74992	11.0434	10.8702	1.12756
3	hcs022f07	9818	NUPL1	0.271523	1.50382	11.2336	11.0368	1.14618
5	hcs022f07	9818	NUPL1	0.058285	3.9588	11.403	10.9927	1.32893
7	hcs022f07	9818	NUPL1	0.162172	2.17035	10.8082	10.5327	1.21041

1	hcs022f08	7155	TOP2B	0.605269	0.60757	9.60293	10.209	0.656987
3	hcs022f08	7155	TOP2B	0.235087	1.67939	10.7368	9.9572	1.71663
5	hcs022f08	7155	TOP2B	0.19395	1.92605	10.3658	10.2426	1.08919
1	hcs022f09	63827	BCAN	0.537385	0.737949	9.5238	10.0528	0.693051
3	hcs022f09	63827	BCAN	0.312911	1.33736	10.4412	9.92545	1.42977
5	hcs022f09	63827	BCAN	0.244583	-1.63042	10.2484	10.3984	-1.10961
7	hcs022f09	63827	BCAN	0.407147	-1.04111	9.65244	10.0102	-1.28146
1	hcs022f10	1901	S1PR1	0.0094673	10.2043	10.6058	10.919	0.804873
3	hcs022f10	1901	S1PR1	0.841905	-0.226427	10.7094	10.7578	-1.03409
5	hcs022f10	1901	S1PR1	0.135739	2.42971	10.9514	10.6065	1.27
7	hcs022f10	1901	S1PR1	0.110124	2.75859	10.7432	10.3281	1.33336
1	hcs022f11	2034	EPAS1	0.942	0.0821621	9.71451	9.73475	0.986066
3	hcs022f11	2034	EPAS1	0.0134769	8.52668	10.3764	9.98098	1.31531
5	hcs022f11	2034	EPAS1	0.293337	1.41244	9.80485	9.57483	1.17285
1	hcs022f12	54623	PAF1	0.268887	-1.51549	10.582	10.138	1.3604
3	hcs022f12	54623	PAF1	0.255463	1.57724	10.1475	10.0003	1.10738
5	hcs022f12	54623	PAF1	0.0911418	-3.08152	9.93633	10.0896	-1.11205
7	hcs022f12	54623	PAF1	0.252021	-1.59374	9.65888	9.99476	-1.26214
1	hcs022g02	4302	MLLT6	0.446885	0.938924	10.6039	10.7621	0.896163
3	hcs022g02	4302	MLLT6	0.907435	0.131472	10.5606	10.4969	1.04516
5	hcs022g02	4302	MLLT6	0.178474	2.03766	10.8549	10.573	1.21582
7	hcs022g02	4302	MLLT6	0.191192	1.94505	10.4783	10.3529	1.09081
1	hcs022g03	55705	IPO9	0.253358	1.5873	10.8093	11.0714	0.833893
3	hcs022g03	55705	IPO9	0.197671	-1.90099	11.2191	11.3234	-1.075
5	hcs022g03	55705	IPO9	0.661753	0.508315	11.0798	10.9943	1.06108
7	hcs022g03	55705	IPO9	0.49935	0.817913	10.9125	10.7881	1.0901
1	hcs022g04			0.675797	-0.484671	10.6013	10.5207	1.05748
3	hcs022g04			0.494083	0.829457	10.7547	10.5612	1.14353
5	hcs022g04			0.83476	0.236942	9.99073	9.93439	1.03982
7	hcs022g04			0.711413	0.426259	10.1214	10.0657	1.03938
1	hcs022g05	955	ENTPD6	0.58269	0.649415	10.4216	10.5119	0.939306
3	hcs022g05	955	ENTPD6	0.137308	2.41242	10.8865	10.7868	1.07153
5	hcs022g05	955	ENTPD6	0.297786	-1.39484	10.3103	10.4158	-1.07587
7	hcs022g05	955	ENTPD6	0.856755	-0.204691	10.1822	10.1956	-1.00928
1	hcs022g06	65095	KRI1	0.519036	0.775812	10.6852	10.8006	0.923148
3	hcs022g06	65095	KRI1	0.402731	1.05315	11.0498	10.9595	1.06464
5	hcs022g06	65095	KRI1	0.798448	-0.291009	10.979	11.0099	-1.02165
7	hcs022g06	65095	KRI1	0.374512	1.13373	10.463	10.4125	1.03562
3	hcs022g07	?	?	0.083309	3.24426	10.5415	10.4233	1.08536
5	hcs022g07	?	?	0.687623	-0.465039	10.5064	10.5779	-1.05079
1	hcs022g08	28989	METTLL11A	0.3725	1.13974	10.7671	10.93	0.893228
3	hcs022g08	28989	METTLL11A	0.673922	0.487806	11.0853	11.017	1.04848
5	hcs022g08	28989	METTLL11A	0.503832	0.808184	10.9484	10.8876	1.04307
7	hcs022g08	28989	METTLL11A	0.162757	2.16528	10.8476	10.7312	1.084
1	hcs022g09	?	?	0.230664	1.70308	11.8284	12.2679	0.737373
3	hcs022g09	?	?	0.708452	-0.431037	12.1003	12.1733	-1.05188
5	hcs022g09	?	?	0.653672	-0.522093	12.2461	12.3703	-1.0899

7	hcs022g09	?	?	0.0707856	-3.55605	11.706	12.147	-1.35751
1	hcs022g10	127262	TPRG1L	0.994472	0.0078177	10.8949	10.8963	0.999053
3	hcs022g10	127262	TPRG1L	0.492336	0.833314	11.16	11.0854	1.05309
5	hcs022g10	127262	TPRG1L	0.607014	0.604393	11.0378	10.95	1.06277
7	hcs022g10	127262	TPRG1L	0.0897891	3.10817	10.8254	10.6961	1.09381
1	hcs022g11	93589	CACNA2D4	0.103256	-2.86564	9.8831	9.57446	1.23854
3	hcs022g11	93589	CACNA2D4	0.911237	0.126028	9.84348	9.8154	1.01966
1	hcs022g12	5864	RAB3A	0.347993	1.21612	10.185	10.2999	0.923446
3	hcs022g12	5864	RAB3A	0.322281	-1.30343	10.0068	10.2197	-1.15908
5	hcs022g12	5864	RAB3A	0.339116	-1.24537	10.0293	10.0832	-1.03801
7	hcs022g12	5864	RAB3A	0.727533	0.400478	9.97349	9.95271	1.01451
1	hcs022h01	29763	PACSIN3	0.114752	2.69163	9.77308	9.98253	0.864865
3	hcs022h01	29763	PACSIN3	0.80661	-0.278757	10.4114	10.4569	-1.03204
5	hcs022h01	29763	PACSIN3	0.500169	-0.816129	9.9947	10.0836	-1.06353
7	hcs022h01	29763	PACSIN3	0.607388	0.603713	10.0686	9.94151	1.09209
1	hcs022h02	128240	APOA1BP	0.429702	0.981842	10.6583	10.7537	0.936034
3	hcs022h02	128240	APOA1BP	0.453873	0.921974	10.7336	10.6754	1.04114
5	hcs022h02	128240	APOA1BP	0.524665	-0.764062	10.5647	10.5974	-1.02292
7	hcs022h02	128240	APOA1BP	0.0899508	3.10495	10.4865	10.1953	1.22366
1	hcs022h03	4218	RAB8A	0.894698	0.149751	11.9246	11.9484	0.983616
3	hcs022h03	4218	RAB8A	0.692539	0.456949	11.9334	11.8595	1.05256
5	hcs022h03	4218	RAB8A	0.255294	1.57804	12.2326	12.015	1.16277
7	hcs022h03	4218	RAB8A	0.605806	-0.606592	11.9201	11.9582	-1.02681
1	hcs022h04	8880	FUBP1	0.372881	1.1386	9.77765	9.9833	0.867148
3	hcs022h04	8880	FUBP1	0.0476845	-4.414	10.4216	10.6776	-1.19416
5	hcs022h04	8880	FUBP1	0.389733	-1.08944	10.1405	10.2412	-1.07224
7	hcs022h04	8880	FUBP1	0.797662	0.292193	9.93832	9.91594	1.01564
1	hcs022h05	9445	ITM2B	0.424283	0.995767	10.4109	10.515	0.930406
3	hcs022h05	9445	ITM2B	0.888248	-0.159037	10.7185	10.7412	-1.01588
5	hcs022h05	9445	ITM2B	0.295697	-1.40307	10.5051	10.6641	-1.11654
7	hcs022h05	9445	ITM2B	0.0144035	8.24203	10.4415	10.2227	1.16374
3	hcs022h06	158405	KIAA1958	0.642162	0.541946	10.8853	10.8342	1.03609
1	hcs022h07	56623	INPP5E	0.348095	1.21579	10.333	10.3899	0.961327
3	hcs022h07	56623	INPP5E	0.691364	0.458879	10.6839	10.6578	1.01828
5	hcs022h07	56623	INPP5E	0.929335	0.100186	10.4101	10.4016	1.00593
7	hcs022h07	56623	INPP5E	0.332164	1.26891	9.94646	9.90143	1.03171
1	hcs022h08	?	?	0.525349	-0.762641	9.73591	9.62565	1.07943
3	hcs022h08	?	?	0.137196	-2.41364	10.032	10.185	-1.11189
5	hcs022h08	?	?	0.10683	-2.80872	9.57846	9.67612	-1.07003
7	hcs022h08	?	?	0.0600275	3.89545	9.50664	9.37293	1.09711
1	hcs022h09	54972	TMEM132	0.417169	1.01434	11.6944	11.8761	0.881643
3	hcs022h09	54972	TMEM132	0.383125	-1.10842	11.686	11.7715	-1.06106
5	hcs022h09	54972	TMEM132	0.611272	-0.596672	11.7625	11.8497	-1.06233
7	hcs022h09	54972	TMEM132	0.0750145	-3.44242	11.322	11.6316	-1.23942
1	hcs022h10	51447	IP6K2	0.199167	-1.89109	10.1528	9.96318	1.14046
3	hcs022h10	51447	IP6K2	0.350431	1.20824	10.448	10.3115	1.09921
5	hcs022h10	51447	IP6K2	0.630186	-0.562903	9.9749	10.0454	-1.0501

7	hcs022h10	51447	IP6K2	0.369996	-1.14727	9.67513	9.92132	-1.18607
1	hcs022h11	?	?	0.547827	0.716951	10.3641	10.4541	0.939545
3	hcs022h11	?	?	0.649493	-0.529269	10.4044	10.58	-1.12946
5	hcs022h11	?	?	0.700336	0.444202	10.522	10.4298	1.06604
7	hcs022h11	?	?	0.289564	1.42762	10.2677	10.1447	1.08903
1	hcs022h12	22992	KDM2A	0.760501	-0.348856	10.1236	10.0807	1.03021
3	hcs022h12	22992	KDM2A	0.816378	0.264172	10.2126	10.1669	1.03217
5	hcs022h12	22992	KDM2A	0.340339	-1.24128	9.77565	10.0062	-1.1733
7	hcs022h12	22992	KDM2A	0.316471	-1.32433	9.58698	9.88244	-1.22728
1	hcs023a02	4905	NSF	0.566438	0.680427	11.2434	11.3509	0.928195
3	hcs023a02	4905	NSF	0.777352	-0.322979	11.4451	11.5416	-1.06915
5	hcs023a02	4905	NSF	0.44171	0.95166	11.4729	11.345	1.09275
7	hcs023a02	4905	NSF	0.486654	0.845953	11.3157	11.1422	1.12779
1	hcs023a03	286451	YIPF6	0.305179	1.36631	10.7952	10.991	0.873068
3	hcs023a03	286451	YIPF6	0.902454	-0.138612	11.0387	11.0754	-1.02574
5	hcs023a03	286451	YIPF6	0.309109	1.35148	11.0679	10.8167	1.19025
7	hcs023a03	286451	YIPF6	0.260094	1.55548	10.8001	10.5598	1.18127
1	hcs023a04	4647	MYO7A	0.265353	1.53136	10.8683	11.1454	0.825229
3	hcs023a04	4647	MYO7A	0.167937	-2.12142	11.1986	11.2918	-1.06671
5	hcs023a04	4647	MYO7A	0.0961457	-2.98766	10.9056	11.0024	-1.06935
7	hcs023a04	4647	MYO7A	0.728539	0.398881	10.6685	10.6484	1.01403
1	hcs023a05			0.239249	1.65761	10.2199	10.3926	0.887164
3	hcs023a05			0.946405	-0.0759038	10.6119	10.6236	-1.0081
5	hcs023a05			0.346463	-1.2211	10.2389	10.3519	-1.08148
7	hcs023a05			0.643495	-0.539632	9.91808	9.97196	-1.03805
1	hcs023a06	1285	COL4A3	0.90023	0.141803	10.2263	10.2288	0.998285
3	hcs023a06	1285	COL4A3	0.0462668	-4.48616	10.2267	10.4562	-1.17243
5	hcs023a06	1285	COL4A3	0.930427	0.0986298	10.1275	10.1111	1.01145
7	hcs023a06	1285	COL4A3	0.518212	0.777542	9.89757	9.75967	1.1003
1	hcs023a07	23557	SNAPIN	0.273683	1.49437	10.7675	11.0713	0.810134
3	hcs023a07	23557	SNAPIN	0.281277	1.46186	11.1583	11.0718	1.06184
5	hcs023a07	23557	SNAPIN	0.299128	1.3896	10.9672	10.8316	1.09855
7	hcs023a07	23557	SNAPIN	0.479543	0.861984	10.7824	10.6257	1.11468
1	hcs023a09	79624	C6orf211	0.511412	0.791928	9.75238	9.86079	0.927608
3	hcs023a09	79624	C6orf211	0.548498	-0.715614	10.2414	10.3867	-1.106
5	hcs023a09	79624	C6orf211	0.500965	-0.814398	9.89576	9.93554	-1.02796
7	hcs023a09	79624	C6orf211	0.159517	2.19369	9.83535	9.67538	1.11726
5	hcs023a12	9364	RAB28	0.948078	-0.0735274	9.47563	9.49291	-1.01204
1	hcs023b01	?	?	0.320494	1.30981	9.5423	9.83466	0.816563
5	hcs023b01	?	?	0.369252	1.14952	9.91639	9.70679	1.15637
1	hcs023b02	1628	DBP	0.134736	2.44091	11.1903	11.7997	0.655454
3	hcs023b02	1628	DBP	0.162813	-2.16479	11.3994	11.7906	-1.31154
5	hcs023b02	1628	DBP	0.686633	-0.466673	11.829	11.9239	-1.06799
7	hcs023b02	1628	DBP	0.0687351	-3.61475	11.2293	11.8582	-1.54639
1	hcs023b04	2805	GOT1	0.627772	0.567165	9.67939	9.71081	0.978457
3	hcs023b04	2805	GOT1	0.603865	-0.610134	9.95637	10.1002	-1.10485
5	hcs023b04	2805	GOT1	0.631602	0.560409	9.87927	9.77187	1.07729

7	hcs023b04	2805	GOT1	0.575642	0.662768	9.62167	9.58862	1.02317
1	hcs023b05	83546	RTBDN	0.427838	-0.986612	10.0995	10.0721	1.01919
3	hcs023b05	83546	RTBDN	0.526805	-0.759627	10.1818	10.2866	-1.07539
5	hcs023b05	83546	RTBDN	0.908098	0.130521	10.253	10.2269	1.01822
7	hcs023b05	83546	RTBDN	0.0339281	5.28987	10.0368	9.81231	1.16838
1	hcs023b06	2589	GALNT1	0.280599	1.46472	10.3572	10.5495	0.875229
3	hcs023b06	2589	GALNT1	0.872317	0.182061	10.6444	10.622	1.01565
5	hcs023b06	2589	GALNT1	0.521888	0.769844	10.6715	10.5479	1.08942
7	hcs023b06	2589	GALNT1	0.315148	1.32915	10.3432	10.1518	1.14187
3	hcs023b07	403341	ZBTB34	0.694419	-0.453867	10.1256	10.1922	-1.04722
5	hcs023b07	403341	ZBTB34	0.230316	1.70497	10.2715	10.0298	1.18246
7	hcs023b07	403341	ZBTB34	0.405516	1.04554	9.99359	9.85889	1.09786
1	hcs023b08			0.682975	0.472726	11.3586	11.4565	0.934414
3	hcs023b08			0.403149	-1.052	10.9854	11.2672	-1.21577
5	hcs023b08			0.436786	-0.963928	11.3716	11.5847	-1.1592
7	hcs023b08			0.12212	-2.59253	10.5299	11.2445	-1.64103
1	hcs023b11	6418	SET	0.244912	1.62876	10.9911	11.0807	0.939805
3	hcs023b11	6418	SET	0.809008	0.27517	10.9184	10.8617	1.04008
5	hcs023b11	6418	SET	0.975962	0.034004	11.0095	11.0031	1.00442
7	hcs023b11	6418	SET	0.590293	0.63517	10.7843	10.755	1.02049
1	hcs023c01	10438	C1D	0.514931	0.78446	9.84478	10.1896	0.787428
5	hcs023c01	10438	C1D	0.54178	0.729065	10.3619	10.285	1.05476
1	hcs023c02	23076	RRP1B	0.782894	-0.314536	10.0163	9.96776	1.03422
3	hcs023c02	23076	RRP1B	0.435364	-0.967498	9.61902	10.0716	-1.36848
5	hcs023c02	23076	RRP1B	0.314959	-1.32984	9.81318	10.0826	-1.2053
7	hcs023c02	23076	RRP1B	0.642895	0.540673	9.70349	9.66211	1.0291
1	hcs023c04	1258	CNGB1	0.265069	1.53264	9.98023	10.2806	0.812057
3	hcs023c04	1258	CNGB1	0.482243	0.855867	10.7901	10.6893	1.07242
5	hcs023c04	1258	CNGB1	0.109571	-2.76685	10.1162	10.3051	-1.13992
7	hcs023c04	1258	CNGB1	0.677167	-0.482383	9.68228	9.73634	-1.03819
1	hcs023c05	9414	TJP2	0.140121	2.38209	10.1862	10.3741	0.877889
3	hcs023c05	9414	TJP2	0.802322	0.285187	10.5735	10.566	1.00526
5	hcs023c05	9414	TJP2	0.920532	-0.112742	10.2464	10.2612	-1.01036
7	hcs023c05	9414	TJP2	0.0107934	9.54734	10.0644	9.95674	1.07751
1	hcs023c06	4047	LSS	0.54705	0.718499	10.2189	10.2697	0.965432
3	hcs023c06	4047	LSS	0.0361473	5.11603	10.8888	10.7389	1.10949
5	hcs023c06	4047	LSS	0.0451181	4.54704	10.6434	10.2536	1.31022
7	hcs023c06	4047	LSS	0.0278876	5.86219	10.1347	9.84541	1.22207
1	hcs023c07	5859	QARS	0.400816	-1.05841	10.1365	10.0832	1.03764
3	hcs023c07	5859	QARS	0.315942	1.32625	10.5608	10.4743	1.06182
5	hcs023c07	5859	QARS	0.401891	1.05545	10.393	10.2541	1.10107
7	hcs023c07	5859	QARS	0.0597551	3.90517	9.89919	9.79285	1.07649
1	hcs023c08	79064	TMEM223	0.829707	0.2444	10.4784	10.49	0.992015
3	hcs023c08	79064	TMEM223	0.701436	0.442412	10.8693	10.8005	1.04882
5	hcs023c08	79064	TMEM223	0.456807	-0.914941	10.4289	10.5388	-1.07918
7	hcs023c08	79064	TMEM223	0.625847	-0.570575	10.1097	10.1411	-1.02198
1	hcs023c09	1611	DAP	0.132387	-2.4676	10.4426	10.2192	1.16751

3	hcs023c09	1611	DAP	0.327759	1.28414	10.5898	10.3736	1.16166
5	hcs023c09	1611	DAP	0.249204	1.60747	10.4479	10.1805	1.20363
7	hcs023c09	1611	DAP	0.367296	1.15546	10.0333	9.85851	1.12876
1	hcs023c10			0.589449	0.636743	9.7517	9.89044	0.908314
3	hcs023c10			0.261943	-1.54692	10.0543	10.4597	-1.32449
5	hcs023c10			0.576884	-0.660405	9.94616	10.0327	-1.06183
7	hcs023c10			0.759353	0.350631	9.81331	9.77187	1.02915
1	hcs023c11	5158	PDE6B	0.356975	-1.18741	10.3661	10.3237	1.02983
3	hcs023c11	5158	PDE6B	0.605934	-0.606358	10.5755	10.6598	-1.06012
5	hcs023c11	5158	PDE6B	0.933774	0.0938635	10.4543	10.4397	1.01019
7	hcs023c11	5158	PDE6B	0.0714176	3.53845	10.194	10.0477	1.10678
1	hcs023c12	9702	CEP57	0.0469143	4.4528	10.8484	11.1614	0.804948
3	hcs023c12	9702	CEP57	0.213603	-1.80038	10.7249	10.9946	-1.20553
5	hcs023c12	9702	CEP57	0.0002373	-64.8909	10.9091	11.0901	-1.13362
7	hcs023c12	9702	CEP57	0.0198964	-6.98322	10.3334	10.7872	-1.36969
1	hcs023d01	6748	SSR4	0.458749	0.91031	11.4499	11.5904	0.907226
3	hcs023d01	6748	SSR4	0.628301	0.56623	11.7174	11.5586	1.11633
5	hcs023d01	6748	SSR4	0.557111	0.698591	11.6628	11.5512	1.08038
7	hcs023d01	6748	SSR4	0.391262	1.0851	11.4653	11.4237	1.0293
1	hcs023d04	25915	NDUFAF3	0.554146	0.704422	10.6765	10.8293	0.899524
3	hcs023d04	25915	NDUFAF3	0.257021	1.56986	11.1032	10.9455	1.11556
5	hcs023d04	25915	NDUFAF3	0.781826	-0.316161	10.8995	10.9027	-1.00222
7	hcs023d04	25915	NDUFAF3	0.471978	0.879308	10.8182	10.7481	1.04974
1	hcs023d05	90637	ZFAND2A	0.499	0.818676	10.2877	10.3724	0.94298
3	hcs023d05	90637	ZFAND2A	0.79139	0.301656	10.6658	10.6341	1.02222
5	hcs023d05	90637	ZFAND2A	0.114928	-2.68916	10.2937	10.4622	-1.12386
7	hcs023d05	90637	ZFAND2A	0.709854	0.428773	10.1634	10.1452	1.0127
1	hcs023d06	9061	PAPSS1	0.340479	1.24082	9.74376	10.1172	0.771966
3	hcs023d06	9061	PAPSS1	0.773903	0.32825	10.0487	9.9903	1.04132
5	hcs023d06	9061	PAPSS1	0.440908	-0.95365	9.84972	10.035	-1.13706
7	hcs023d06	9061	PAPSS1	0.297102	1.39753	9.74573	9.5823	1.11995
1	hcs023d07	1778	DYNC1H1	0.281686	-1.46014	10.316	10.1065	1.15633
3	hcs023d07	1778	DYNC1H1	0.168122	2.1199	10.7015	10.4828	1.16366
5	hcs023d07	1778	DYNC1H1	0.221903	1.75182	10.765	10.3708	1.31421
7	hcs023d07	1778	DYNC1H1	0.0801411	3.31645	10.3658	10.0697	1.2278
1	hcs023d08	?	?	0.417959	1.01226	11.9492	11.9511	0.998684
3	hcs023d08	?	?	0.53433	-0.744167	11.8868	11.9384	-1.03637
5	hcs023d08	?	?	0.599842	0.617504	12.2317	12.1502	1.05812
7	hcs023d08	?	?	0.963814	0.0512076	11.6369	11.6294	1.00517
1	hcs023d09	79147	FKRP	0.599446	0.618232	10.3212	10.4894	0.889952
5	hcs023d09	79147	FKRP	0.189816	-1.95466	10.2862	10.411	-1.09033
7	hcs023d09	79147	FKRP	0.533869	-0.745108	10.02	10.127	-1.07701
1	hcs023d10	3609	ILF3	0.525498	0.762333	10.5369	10.6139	0.948027
3	hcs023d10	3609	ILF3	0.219199	-1.76738	10.6297	10.7613	-1.09546
5	hcs023d10	3609	ILF3	0.754976	-0.357411	10.4315	10.4805	-1.03455
7	hcs023d10	3609	ILF3	0.981251	-0.0265202	10.1869	10.1887	-1.00125
1	hcs023d11	10382	TUBB4	0.708412	-0.431102	11.002	10.8958	1.07636

3	hcs023d11	10382	TUBB4	0.967666	0.0457512	10.7177	10.7018	1.01104
5	hcs023d11	10382	TUBB4	0.171437	2.09283	11.1422	10.8769	1.20194
7	hcs023d11	10382	TUBB4	0.0947253	-3.01359	10.3137	10.6275	-1.24295
1	hcs023d12	10991	SLC38A3	0.168643	-2.11559	12.1966	12.0624	1.09746
3	hcs023d12	10991	SLC38A3	0.105379	-2.8315	12.0023	12.1102	-1.07768
5	hcs023d12	10991	SLC38A3	0.812145	0.270482	12.3957	12.3569	1.02724
7	hcs023d12	10991	SLC38A3	0.0239234	-6.34871	11.6273	11.8777	-1.18956
1	hcs023e01	64112	MOAP1	0.689412	0.462091	10.2293	10.3187	0.939892
3	hcs023e01	64112	MOAP1	0.223278	-1.744	10.1716	10.3733	-1.15005
5	hcs023e01	64112	MOAP1	0.28043	1.46543	10.4561	10.117	1.265
7	hcs023e01	64112	MOAP1	0.485802	0.84786	10.1273	10.0641	1.04476
1	hcs023e02	80210	ARMC9	0.755248	-0.356989	10.3082	10.2818	1.01845
3	hcs023e02	80210	ARMC9	0.761991	0.346554	10.2757	10.2494	1.0184
5	hcs023e02	80210	ARMC9	0.332551	1.26759	10.4322	10.3732	1.04174
7	hcs023e02	80210	ARMC9	0.343717	1.23009	10.0373	9.89307	1.10518
1	hcs023e03	?	?	0.234759	1.68112	10.6277	10.8259	0.871658
3	hcs023e03	?	?	0.959273	0.0576451	10.8608	10.8544	1.00442
5	hcs023e03	?	?	0.53542	-0.741945	10.7341	10.793	-1.04167
7	hcs023e03	?	?	0.0865389	-3.1746	10.1447	10.3975	-1.19152
1	hcs023e04	989	SEPT7	0.374178	1.13472	9.96249	10.0289	0.955001
3	hcs023e04	989	SEPT7	0.226336	1.72685	10.6847	10.6554	1.02047
5	hcs023e04	989	SEPT7	0.0132347	-8.60593	9.98493	10.1103	-1.09076
7	hcs023e04	989	SEPT7	0.295537	1.4037	9.75999	9.64656	1.0818
1	hcs023e05	55585	UBE2Q1	0.340755	-1.2399	10.2157	9.98636	1.1723
3	hcs023e05	55585	UBE2Q1	0.635008	0.554427	10.8965	10.8454	1.03608
5	hcs023e05	55585	UBE2Q1	0.855564	-0.206428	10.1572	10.1857	-1.01995
1	hcs023e06	?	?	0.313639	1.33468	10.1446	10.3319	0.878229
3	hcs023e06	?	?	0.772752	0.330012	10.7925	10.7413	1.03609
5	hcs023e06	?	?	0.374641	-1.13334	10.2624	10.2917	-1.02048
7	hcs023e06	?	?	0.404449	-1.04845	9.76912	9.87383	-1.07528
1	hcs023e07	590	BCHE	0.685569	0.468432	9.9063	9.95431	0.967272
3	hcs023e07	590	BCHE	0.241027	-1.64846	10.2756	10.4444	-1.12411
5	hcs023e07	590	BCHE	0.441578	0.951988	9.96368	9.75706	1.15398
7	hcs023e07	590	BCHE	0.531558	0.749837	9.66708	9.61523	1.03659
1	hcs023e08	1476	CSTB	0.163241	-2.1611	11.2692	11.1044	1.12098
3	hcs023e08	1476	CSTB	0.1036	2.86004	11.4885	11.2149	1.20879
5	hcs023e08	1476	CSTB	0.157697	2.20999	11.3847	11.1366	1.18767
7	hcs023e08	1476	CSTB	0.0506085	4.27463	10.8787	10.7116	1.12277
1	hcs023e10	221074	SLC39A12	0.491577	0.834992	9.78399	9.85613	0.951228
3	hcs023e10	221074	SLC39A12	0.164929	-2.14666	10.2057	10.4119	-1.15368
5	hcs023e10	221074	SLC39A12	0.116522	-2.66703	9.79438	9.9148	-1.08705
7	hcs023e10	221074	SLC39A12	0.732328	0.392882	9.5633	9.52043	1.03016
1	hcs023e11	3021	H3F3B	0.0352486	-5.18449	10.7574	10.4587	1.23002
3	hcs023e11	3021	H3F3B	0.895997	-0.147885	10.5041	10.5264	-1.01562
5	hcs023e11	3021	H3F3B	0.340125	-1.24199	10.4325	10.5291	-1.06924
7	hcs023e11	3021	H3F3B	0.0529587	-4.17088	9.82553	10.1513	-1.25336
1	hcs023e12	51271	UBAP1	0.733299	0.391347	10.6854	10.7266	0.971869

3	hcs023e12	51271	UBAP1	0.829927	-0.244075	10.8949	10.9341	-1.0275
5	hcs023e12	51271	UBAP1	0.916386	0.118664	10.8222	10.8086	1.00945
7	hcs023e12	51271	UBAP1	0.321899	1.30479	10.486	10.3428	1.1043
1	hcs023f01	3617	IMPG1	0.618464	0.58373	9.73901	9.92306	0.880227
3	hcs023f01	3617	IMPG1	0.623415	-0.574894	9.90397	10.0393	-1.09837
5	hcs023f01	3617	IMPG1	0.775928	0.325154	9.93125	9.88761	1.03072
7	hcs023f01	3617	IMPG1	0.0553597	4.0716	9.91366	9.85554	1.04111
1	hcs023f02	50512	PODXL2	0.502322	0.811452	10.5765	10.7503	0.886525
3	hcs023f02	50512	PODXL2	0.890543	0.155732	10.7862	10.7458	1.0284
5	hcs023f02	50512	PODXL2	0.120501	2.61357	10.9008	10.6211	1.21389
7	hcs023f02	50512	PODXL2	0.161031	2.18031	10.6075	10.4811	1.09157
1	hcs023f03	9643	MORF4L2	0.405983	1.04427	12.2017	12.3256	0.917725
3	hcs023f03	9643	MORF4L2	0.181662	-2.01362	11.8415	11.9265	-1.06074
5	hcs023f03	9643	MORF4L2	0.0840493	3.22796	12.3678	11.9629	1.32403
7	hcs023f03	9643	MORF4L2	0.0264033	6.03164	12.1796	11.7564	1.3409
1	hcs023f04	?	?	0.436596	0.964404	10.6673	10.7971	0.913958
3	hcs023f04	?	?	0.780471	0.318223	10.9468	10.9046	1.02973
5	hcs023f04	?	?	0.815929	-0.264841	10.7582	10.8021	-1.03087
7	hcs023f04	?	?	0.899312	-0.143121	10.5732	10.58	-1.00477
1	hcs023f05	64137	ABCG4	0.424334	0.995634	10.7915	10.9057	0.923916
3	hcs023f05	64137	ABCG4	0.0598111	-3.90317	11.0191	11.1051	-1.06142
5	hcs023f05	64137	ABCG4	0.443179	-0.948029	10.7458	10.783	-1.02612
7	hcs023f05	64137	ABCG4	0.777223	-0.323176	10.6348	10.6547	-1.01389
1	hcs023f06	55603	FAM46A	0.638431	0.54844	9.89198	9.93827	0.968424
3	hcs023f06	55603	FAM46A	0.0929096	-3.04754	10.2242	10.425	-1.1493
5	hcs023f06	55603	FAM46A	0.0089842	-10.4789	9.79808	9.95948	-1.11837
7	hcs023f06	55603	FAM46A	0.772378	-0.330584	9.60825	9.64814	-1.02803
1	hcs023f07	?	?	0.358636	1.1822	10.2438	10.3184	0.949627
3	hcs023f07	?	?	0.706491	0.434208	10.4802	10.4192	1.04321
5	hcs023f07	?	?	0.0877268	-3.14991	10.1665	10.3502	-1.13579
7	hcs023f07	?	?	0.434981	-0.968463	9.92858	9.97691	-1.03407
1	hcs023f08	65265	C8orf33	0.123591	-2.57374	10.6335	10.506	1.09242
3	hcs023f08	65265	C8orf33	0.709313	0.429646	10.6521	10.5605	1.06555
5	hcs023f08	65265	C8orf33	0.998982	-0.0014393	10.7066	10.7069	-1.00016
7	hcs023f08	65265	C8orf33	0.538016	-0.73667	10.2143	10.2767	-1.04423
1	hcs023f09	57476	GRAMD1B	0.539032	0.734613	9.4951	9.59105	0.935656
3	hcs023f09	57476	GRAMD1B	0.698756	-0.446778	9.73807	9.78697	-1.03448
5	hcs023f09	57476	GRAMD1B	0.395492	-1.07319	9.52833	9.59653	-1.04841
7	hcs023f09	57476	GRAMD1B	0.445581	-0.942118	9.5328	9.69513	-1.11909
1	hcs023f10	10766	TOB2	0.756303	-0.355353	10.0637	10.0021	1.0436
3	hcs023f10	10766	TOB2	0.809303	-0.274728	9.96161	10.029	-1.04785
5	hcs023f10	10766	TOB2	0.793924	0.297828	10.1619	10.1067	1.03901
7	hcs023f10	10766	TOB2	0.0632401	3.78538	9.86486	9.76074	1.07484
1	hcs023f11	2525	FUT3	0.380337	1.11654	9.90094	10.0124	0.925674
3	hcs023f11	2525	FUT3	0.612982	-0.593583	9.87799	9.96714	-1.06374
5	hcs023f11	2525	FUT3	0.738087	-0.383798	9.92919	9.98669	-1.04066
7	hcs023f11	2525	FUT3	0.759463	0.35046	9.68882	9.64564	1.03038



1	hcs023f12	23157	SEPT6	0.336207	1.25515	9.49796	9.61381	0.922836
5	hcs023f12	23157	SEPT6	0.738033	0.383884	9.36083	9.28726	1.05231
1	hcs023g01	?	?	0.102184	-2.88326	10.1778	10.0679	1.07918
3	hcs023g01	?	?	0.936051	-0.0906234	10.3792	10.3939	-1.01026
5	hcs023g01	?	?	0.310946	1.34464	10.348	10.2413	1.07679
7	hcs023g01	?	?	0.695042	0.452847	10.102	10.0134	1.06329
1	hcs023g02	1185	CLCN6	0.637856	0.549443	10.3445	10.3687	0.983338
3	hcs023g02	1185	CLCN6	0.774608	-0.327172	10.652	10.6891	-1.0261
5	hcs023g02	1185	CLCN6	0.52093	-0.771844	10.5001	10.5423	-1.02971
7	hcs023g02	1185	CLCN6	0.3092	1.35114	10.0896	9.90405	1.13725
1	hcs023g03	83937	RASSF4	0.538828	0.735024	11.0585	11.165	0.928817
3	hcs023g03	83937	RASSF4	0.459055	0.909583	11.401	11.3203	1.05758
5	hcs023g03	83937	RASSF4	0.988713	-0.0159627	11.218	11.2205	-1.00173
7	hcs023g03	83937	RASSF4	0.229553	-1.70913	10.7795	10.8222	-1.03006
1	hcs023g04	?	?	0.696382	-0.450655	10.3247	10.2316	1.06664
3	hcs023g04	?	?	0.881341	0.169003	10.778	10.7678	1.00707
5	hcs023g04	?	?	0.986263	-0.0194285	10.289	10.2908	-1.00125
7	hcs023g04	?	?	0.913439	-0.122877	10.0259	10.0403	-1.01008
1	hcs023g05	4708	NDUFB2	0.902147	0.139052	11.2936	11.3139	0.986028
3	hcs023g05	4708	NDUFB2	0.218136	1.77356	11.6007	11.5031	1.07004
5	hcs023g05	4708	NDUFB2	0.269602	-1.51231	11.3124	11.4691	-1.11473
7	hcs023g05	4708	NDUFB2	0.727485	0.400555	10.8345	10.7966	1.02659
1	hcs023g06	1725	DHPS	0.489513	0.839575	9.75622	10.1846	0.743073
3	hcs023g06	1725	DHPS	0.336623	1.25374	10.8591	10.4858	1.29537
5	hcs023g06	1725	DHPS	0.383641	-1.10692	10.1774	10.2542	-1.05469
7	hcs023g06	1725	DHPS	0.65307	-0.523124	9.78174	9.8414	-1.04222
1	hcs023g07	22978	NT5C2	0.206283	-1.84532	10.2002	9.91636	1.21743
3	hcs023g07	22978	NT5C2	0.989012	-0.0155405	10.4281	10.433	-1.0034
5	hcs023g07	22978	NT5C2	0.148965	-2.29199	9.84281	10.127	-1.21772
7	hcs023g07	22978	NT5C2	0.179453	-2.03021	9.34683	9.82019	-1.38835
1	hcs023g09	7067	THRA	0.0436991	-4.62547	9.98503	9.81392	1.12592
3	hcs023g09	7067	THRA	0.624544	-0.572887	10.2545	10.3022	-1.03358
5	hcs023g09	7067	THRA	0.186001	-1.98182	9.93465	10.0205	-1.06134
1	hcs023g10	?	?	0.933274	-0.094576	9.80947	9.79897	1.0073
3	hcs023g10	?	?	0.310676	-1.34564	10.1823	10.3801	-1.14693
5	hcs023g10	?	?	0.861855	0.197257	9.72038	9.68763	1.02296
7	hcs023g10	?	?	0.590912	0.634017	9.71302	9.6453	1.04806
1	hcs023g11	10542	HBXIP	0.351074	-1.20618	10.4804	10.397	1.05948
3	hcs023g11	10542	HBXIP	0.485657	-0.848185	10.5778	10.663	-1.06086
5	hcs023g11	10542	HBXIP	0.482109	-0.85617	10.3891	10.4433	-1.03828
7	hcs023g11	10542	HBXIP	0.171033	2.09609	10.074	10.0247	1.03479
1	hcs023g12	?	?	0.850192	-0.214279	10.968	10.9392	1.02019
3	hcs023g12	?	?	0.945613	0.0770288	10.9505	10.9385	1.00838
5	hcs023g12	?	?	0.936414	-0.0901065	11.0349	11.0456	-1.00742
7	hcs023g12	?	?	0.91893	0.115029	10.62	10.6112	1.00607
1	hcs023h01			0.250619	-1.60055	12.1194	11.9001	1.16414
5	hcs023h01			0.0541561	4.12056	12.5872	12.0029	1.49931

7	hcs023h01			0.170909	2.09709	12.2937	11.995	1.23006
1	hcs023h02	?	?	0.220159	1.76182	10.1012	10.2259	0.917195
3	hcs023h02	?	?	0.102215	-2.88275	10.2557	10.4468	-1.14162
5	hcs023h02	?	?	0.394863	-1.07495	10.4044	10.4894	-1.06071
7	hcs023h02	?	?	0.0515529	4.23211	10.2191	10.0613	1.11556
1	hcs023h03	57348	TTYH1	0.693425	0.455496	11.5941	11.6672	0.950593
3	hcs023h03	57348	TTYH1	0.760808	0.348381	11.5082	11.4422	1.04683
5	hcs023h03	57348	TTYH1	0.918387	0.115804	11.6621	11.6495	1.00875
7	hcs023h03	57348	TTYH1	0.426584	0.989831	11.5599	11.5116	1.034
1	hcs023h04	51246	SHISA5	0.341963	-1.23589	10.9862	10.9491	1.02603
3	hcs023h04	51246	SHISA5	0.0519055	4.21653	11.0712	10.9754	1.06866
5	hcs023h04	51246	SHISA5	0.878028	0.173792	11.0289	10.9949	1.0238
7	hcs023h04	51246	SHISA5	0.649331	0.529547	10.7275	10.7182	1.00651
1	hcs023h05	84173	ELMOD3	0.332644	1.26727	10.697	10.8189	0.918977
3	hcs023h05	84173	ELMOD3	0.636713	0.551441	11.0118	10.9502	1.04362
5	hcs023h05	84173	ELMOD3	0.947671	-0.0741065	10.7923	10.8017	-1.00654
7	hcs023h05	84173	ELMOD3	0.630562	0.56224	10.5615	10.5358	1.01795
1	hcs023h06	5689	PSMB1	0.87005	0.185349	10.9784	11.013	0.97628
3	hcs023h06	5689	PSMB1	0.558918	0.695051	11.202	11.1507	1.03617
5	hcs023h06	5689	PSMB1	0.372269	1.14043	11.2207	11.1137	1.07701
7	hcs023h06	5689	PSMB1	0.425117	0.99361	10.869	10.7912	1.05541
1	hcs023h07	64981	MRPL34	0.741565	-0.378336	11.7297	11.6773	1.03701
3	hcs023h07	64981	MRPL34	0.946453	0.0758354	11.5783	11.5638	1.01008
5	hcs023h07	64981	MRPL34	0.677243	0.482256	11.743	11.6891	1.03802
7	hcs023h07	64981	MRPL34	0.113977	-2.70258	11.0099	11.4618	-1.36784
1	hcs023h08	6004	RGS16	0.162	2.17184	10.8211	11.0067	0.879263
3	hcs023h08	6004	RGS16	0.812972	0.269248	11.0385	10.9702	1.04846
5	hcs023h08	6004	RGS16	0.609688	0.599538	11.0301	10.9575	1.05159
7	hcs023h08	6004	RGS16	0.478561	0.864216	10.7892	10.7385	1.03577
1	hcs023h09	23245	ASTN2	0.924549	-0.107008	10.7197	10.714	1.00396
3	hcs023h09	23245	ASTN2	0.787446	0.307627	10.8396	10.7625	1.05492
5	hcs023h09	23245	ASTN2	0.815446	-0.26556	10.8406	10.8947	-1.03824
7	hcs023h09	23245	ASTN2	0.113666	2.707	10.5675	10.4829	1.06039
7	hcs023h11			0.0028207	-18.7887	12.3159	13.2222	-1.87415
1	hcs023h12	9581	PREPL	0.744844	0.373197	12.7647	12.7884	0.983707
3	hcs023h12	9581	PREPL	0.120731	2.61056	12.6943	12.5748	1.08636
5	hcs023h12	9581	PREPL	0.857608	-0.203446	12.6953	12.7285	-1.02323
7	hcs023h12	9581	PREPL	0.340509	-1.24072	12.2585	12.4468	-1.13939
1	hcs024a01	7919	BAT1	0.608639	0.601441	11.2124	11.3568	0.904756
3	hcs024a01	7919	BAT1	0.80614	-0.279461	11.4357	11.4799	-1.03111
5	hcs024a01	7919	BAT1	0.596852	0.623009	11.4206	11.3362	1.06025
7	hcs024a01	7919	BAT1	0.108366	2.78507	11.3417	11.1153	1.16988
1	hcs024a02			0.815079	0.266108	12.0094	12.0646	0.962439
3	hcs024a02			0.835165	0.236345	12.1546	12.0956	1.04174
5	hcs024a02			0.0659906	3.69739	12.341	12.2261	1.08292
7	hcs024a02			0.766934	0.33894	12.0294	12.005	1.0171
1	hcs024a03	2901	GRIK5	0.329174	1.27922	10.9468	11.2014	0.838239

3	hcs024a03	2901	GRIK5	0.620657	0.579808	11.3038	11.1623	1.10305
5	hcs024a03	2901	GRIK5	0.220803	1.75812	11.3608	11.0182	1.26807
7	hcs024a03	2901	GRIK5	0.114742	2.69177	11.0335	10.8753	1.11584
1	hcs024a04	10681	GNB5	0.442482	0.94975	10.4219	10.5134	0.938568
3	hcs024a04	10681	GNB5	0.595852	-0.624857	10.6111	10.7219	-1.07985
5	hcs024a04	10681	GNB5	0.361793	1.17236	10.4704	10.2856	1.13669
7	hcs024a04	10681	GNB5	0.44257	-0.949533	10.362	10.3814	-1.01354
1	hcs024a05	8237	USP11	0.873459	-0.180406	11.8968	11.8794	1.01213
3	hcs024a05	8237	USP11	0.751472	0.362856	12.137	12.1079	1.02038
5	hcs024a05	8237	USP11	0.922037	-0.110592	11.9773	11.9865	-1.00642
7	hcs024a05	8237	USP11	0.936463	0.0900373	11.7587	11.7547	1.00273
1	hcs024a06	64837	KLC2	0.0127667	8.76538	10.4071	10.6565	0.841266
3	hcs024a06	64837	KLC2	0.568725	-0.676016	10.6033	10.7617	-1.11607
5	hcs024a06	64837	KLC2	0.876649	0.175788	10.7752	10.763	1.00849
7	hcs024a06	64837	KLC2	0.784654	-0.311863	10.2046	10.238	-1.02338
1	hcs024a07	10865	ARID5A	0.379799	1.11811	11.1794	11.5292	0.784693
3	hcs024a07	10865	ARID5A	0.749464	0.365984	11.6345	11.4982	1.09903
5	hcs024a07	10865	ARID5A	0.343458	1.23095	11.5436	11.3095	1.17617
7	hcs024a07	10865	ARID5A	0.383789	1.10649	11.4161	11.2155	1.14918
1	hcs024a08	6839	SUV39H1	0.123984	-2.56878	10.1182	9.96838	1.10943
3	hcs024a08	6839	SUV39H1	0.10151	-2.89448	10.2897	10.4351	-1.10605
5	hcs024a08	6839	SUV39H1	0.618663	0.583374	10.1672	10.1308	1.02555
7	hcs024a08	6839	SUV39H1	0.582558	-0.649665	9.70748	9.76267	-1.03899
1	hcs024a09	?	?	0.733431	0.391139	10.1626	10.18	0.988016
3	hcs024a09	?	?	0.69718	-0.449351	10.4369	10.5464	-1.0789
5	hcs024a09	?	?	0.713469	0.42295	10.3409	10.2733	1.04797
7	hcs024a09	?	?	0.243048	1.63816	10.0637	9.93663	1.09205
1	hcs024a10	9361	LONP1	0.273268	1.49618	10.9025	11.3901	0.713211
3	hcs024a10	9361	LONP1	0.885807	-0.162556	11.2	11.2408	-1.02866
5	hcs024a10	9361	LONP1	0.400985	1.05794	11.4641	11.3266	1.1
7	hcs024a10	9361	LONP1	0.722652	0.408245	11.0489	11.0058	1.03033
5	hcs024a11	8301	PICALM	0.456023	0.916816	11.5253	11.4326	1.06641
1	hcs024a12	57617	VPS18	0.613756	0.592188	9.77851	9.95599	0.884248
3	hcs024a12	57617	VPS18	0.340566	-1.24053	9.94313	10.1898	-1.18644
5	hcs024a12	57617	VPS18	0.903948	0.136469	9.82345	9.78681	1.02572
1	hcs024b01	5515	PPP2CA	0.462951	0.900364	11.4648	11.6012	0.909765
3	hcs024b01	5515	PPP2CA	0.952597	-0.0671127	11.6398	11.6558	-1.01115
5	hcs024b01	5515	PPP2CA	0.544278	0.724044	11.6211	11.5231	1.07029
7	hcs024b01	5515	PPP2CA	0.991485	0.0120418	11.5155	11.5143	1.00086
1	hcs024b02	57035	C1orf63	0.270328	1.50909	10.2575	10.5671	0.806866
3	hcs024b02	57035	C1orf63	0.708559	-0.430863	10.5099	10.6063	-1.0691
5	hcs024b02	57035	C1orf63	0.456188	0.916421	10.6833	10.4803	1.15115
7	hcs024b02	57035	C1orf63	0.407096	1.04125	10.3651	10.2806	1.06031
1	hcs024b03			0.242271	1.64211	11.13	11.3046	0.886013
3	hcs024b03			0.903263	0.137452	11.1998	11.1692	1.02141
5	hcs024b03			0.119749	2.62349	11.4616	11.183	1.21307
7	hcs024b03			0.386256	-1.09938	10.9255	11.1279	-1.15061

1	hcs024b04	57231	SNX14	0.403149	1.052	11.9967	12.1892	0.875108
3	hcs024b04	57231	SNX14	0.183327	2.00129	12.2505	12.1277	1.0888
5	hcs024b04	57231	SNX14	0.162084	2.17111	12.3701	12.2037	1.12223
7	hcs024b04	57231	SNX14	0.0004899	45.1601	12.363	12.1476	1.16103
1	hcs024b05	116225	ZMYND19	0.220133	1.76197	10.4997	10.606	0.928968
3	hcs024b05	116225	ZMYND19	0.656811	0.516724	10.7833	10.6986	1.06046
5	hcs024b05	116225	ZMYND19	0.952671	0.0670084	10.8022	10.7888	1.00933
7	hcs024b05	116225	ZMYND19	0.0267904	5.98612	10.6034	10.3945	1.15581
1	hcs024b06	761	CA3	0.029197	5.72341	10.6472	10.759	0.925454
3	hcs024b06	761	CA3	0.646381	0.534635	10.8896	10.8142	1.0536
5	hcs024b06	761	CA3	0.777818	0.322267	10.8799	10.8258	1.03821
7	hcs024b06	761	CA3	0.38904	1.09141	10.5436	10.4692	1.05295
1	hcs024b07	125704	FAM69C	0.18481	1.99045	10.1806	10.4637	0.821804
3	hcs024b07	125704	FAM69C	0.71061	-0.427553	10.3752	10.4533	-1.05562
5	hcs024b07	125704	FAM69C	0.948803	0.072498	10.4343	10.4178	1.01155
7	hcs024b07	125704	FAM69C	0.0566929	4.01914	10.1825	9.96594	1.16199
1	hcs024b08	122509	IFI27L1	0.444747	0.944168	10.4428	10.5901	0.902939
3	hcs024b08	122509	IFI27L1	0.705489	-0.435831	10.509	10.6146	-1.07594
5	hcs024b08	122509	IFI27L1	0.912501	0.124218	10.6403	10.6088	1.02207
7	hcs024b08	122509	IFI27L1	0.276389	1.48266	10.2813	10.1665	1.08282
1	hcs024b09	?	?	0.301934	1.37873	10.8124	11.1189	0.80862
3	hcs024b09	?	?	0.994611	0.0076215	10.9731	10.9712	1.00129
5	hcs024b09	?	?	0.9163	-0.118786	11.0891	11.1185	-1.02063
7	hcs024b09	?	?	0.815085	0.266099	10.6908	10.6786	1.00847
1	hcs024b10	79575	ABHD8	0.553609	0.705482	10.4275	10.6408	0.862582
3	hcs024b10	79575	ABHD8	0.64906	-0.530015	10.3149	10.4056	-1.06487
5	hcs024b10	79575	ABHD8	0.862487	0.196338	10.6603	10.6042	1.0397
7	hcs024b10	79575	ABHD8	0.971666	0.0400864	10.2852	10.2805	1.00325
1	hcs024b11	249	ALPL	0.259852	1.5566	10.223	10.5155	0.816505
3	hcs024b11	249	ALPL	0.610277	-0.598472	10.1799	10.3756	-1.14527
5	hcs024b11	249	ALPL	0.700877	0.443322	10.3839	10.2912	1.06635
7	hcs024b11	249	ALPL	0.317575	-1.32032	10.1664	10.2367	-1.04994
1	hcs024b12	10521	DDX17	0.492313	0.833364	10.9247	11.0393	0.923638
3	hcs024b12	10521	DDX17	0.427197	0.988256	10.9044	10.6395	1.20152
5	hcs024b12	10521	DDX17	0.215806	1.78725	10.8862	10.6045	1.2156
7	hcs024b12	10521	DDX17	0.558102	0.696648	10.6748	10.5599	1.0829
1	hcs024c01	5885	RAD21	0.332516	-1.26771	10.2857	10.1599	1.09111
3	hcs024c01	5885	RAD21	0.528817	-0.755473	10.3333	10.4518	-1.08563
5	hcs024c01	5885	RAD21	0.324679	1.29494	10.3636	10.3189	1.03147
7	hcs024c01	5885	RAD21	0.792222	0.300398	10.5329	10.4801	1.0373
1	hcs024c02	84662	GLIS2	0.740939	0.379316	10.5025	10.5671	0.956211
3	hcs024c02	84662	GLIS2	0.324814	1.29446	10.9974	10.7784	1.16393
5	hcs024c02	84662	GLIS2	0.0438685	-4.61591	10.2245	10.6008	-1.29801
7	hcs024c02	84662	GLIS2	0.90374	-0.136767	10.1313	10.1477	-1.01145
1	hcs024c03	54858	PGPEP1	0.501271	0.813733	10.19	10.2836	0.937173
3	hcs024c03	54858	PGPEP1	0.453695	0.922402	10.5446	10.4028	1.10333
5	hcs024c03	54858	PGPEP1	0.209412	1.82586	10.5881	10.3405	1.18726

7	hcs024c03	54858	PGPEP1	0.032009	5.4543	10.0084	9.80225	1.1536
1	hcs024c04	27173	SLC39A1	0.565049	0.683114	10.6876	10.8571	0.889131
3	hcs024c04	27173	SLC39A1	0.520578	0.77258	11.1275	10.9763	1.11047
5	hcs024c04	27173	SLC39A1	0.208251	1.83303	11.0899	10.9278	1.11889
7	hcs024c04	27173	SLC39A1	0.268239	1.51838	10.7107	10.4127	1.22944
1	hcs024c05	3192	HNRNPU	0.697816	0.448312	10.4788	10.5301	0.965066
3	hcs024c05	3192	HNRNPU	0.383154	1.10833	10.9444	10.8426	1.07311
5	hcs024c05	3192	HNRNPU	0.224055	-1.73962	10.5782	10.6471	-1.04892
7	hcs024c05	3192	HNRNPU	0.352287	-1.20229	10.1917	10.2766	-1.06055
1	hcs024c06	?	?	0.47485	0.872698	9.81231	9.8983	0.942136
3	hcs024c06	?	?	0.335458	-1.25768	10.3519	10.4846	-1.09638
5	hcs024c06	?	?	0.935994	0.0907046	9.83589	9.8325	1.00235
7	hcs024c06	?	?	0.443571	0.947061	9.70743	9.59197	1.08332
3	hcs024c07	5101	PCDH9	0.737395	0.384887	10.4508	10.2917	1.11658
1	hcs024c08	5145	PDE6A	0.88833	0.158919	9.97011	9.98697	0.988384
3	hcs024c08	5145	PDE6A	0.873143	-0.180863	10.3315	10.3469	-1.01074
5	hcs024c08	5145	PDE6A	0.069793	-3.58415	9.87011	10.0421	-1.1266
7	hcs024c08	5145	PDE6A	0.460337	0.906539	9.58649	9.46128	1.09066
1	hcs024c09	26090	ABHD12	0.447213	-0.938124	10.4298	10.384	1.03223
3	hcs024c09	26090	ABHD12	0.0981285	2.95237	10.8433	10.6352	1.15513
5	hcs024c09	26090	ABHD12	0.109799	2.76345	10.5579	10.3904	1.12311
7	hcs024c09	26090	ABHD12	0.422904	0.999341	10.0728	9.9897	1.05931
1	hcs024c10	3419	IDH3A	0.380454	1.1162	10.3321	10.5108	0.883499
3	hcs024c10	3419	IDH3A	0.457672	-0.912876	10.4539	10.6599	-1.15346
5	hcs024c10	3419	IDH3A	0.193483	1.92924	10.6082	10.4973	1.07995
7	hcs024c10	3419	IDH3A	0.311677	-1.34192	10.0824	10.1746	-1.06596
1	hcs024c11	150759	LOC150759	0.683732	0.471472	11.3105	11.3664	0.962017
3	hcs024c11	150759	LOC150759	0.52	0.773791	11.4568	11.3605	1.06905
5	hcs024c11	150759	LOC150759	0.106416	2.81517	11.5319	11.2811	1.18981
7	hcs024c11	150759	LOC150759	0.050104	4.29783	11.1856	10.9791	1.15389
1	hcs024c12	79258	MMEL1	0.188602	1.96322	10.594	10.8118	0.859876
3	hcs024c12	79258	MMEL1	0.835246	-0.236225	10.8708	10.9181	-1.03333
5	hcs024c12	79258	MMEL1	0.648431	-0.531099	10.7547	10.8299	-1.05353
7	hcs024c12	79258	MMEL1	0.0267741	5.98802	10.5692	10.4635	1.07602
1	hcs024d01	26175	C14orf109	0.0180812	-7.33557	10.2109	10.1217	1.06376
3	hcs024d01	26175	C14orf109	0.834623	-0.237143	10.2679	10.359	-1.06518
5	hcs024d01	26175	C14orf109	0.132429	2.46712	10.4188	10.0565	1.28542
7	hcs024d01	26175	C14orf109	0.87332	0.180608	10.1523	10.1262	1.01826
1	hcs024d02	64760	FAM160B2	0.969493	-0.0431634	10.768	10.7618	1.00428
3	hcs024d02	64760	FAM160B2	0.905019	0.134934	10.8102	10.7665	1.0308
5	hcs024d02	64760	FAM160B2	0.521853	0.769916	10.8562	10.7195	1.09944
7	hcs024d02	64760	FAM160B2	0.447168	0.938233	10.6392	10.5177	1.08787
1	hcs024d04	8241	RBM10	0.907123	-0.131918	10.3722	10.3619	1.00714
3	hcs024d04	8241	RBM10	0.31574	-1.32699	10.5536	10.6633	-1.07895
5	hcs024d04	8241	RBM10	0.405677	-1.0451	10.4239	10.5376	-1.08197
7	hcs024d04	8241	RBM10	0.480043	0.860848	10.1606	10.1266	1.02387
1	hcs024d05	8986	RPS6KA4	0.3332	1.26537	11.0793	11.2322	0.899462

3	hcs024d05	8986	RPS6KA4	0.808273	-0.276269	11.5563	11.588	-1.02226
5	hcs024d05	8986	RPS6KA4	0.782019	-0.315867	11.1994	11.2425	-1.03037
7	hcs024d05	8986	RPS6KA4	0.236395	-1.67249	10.8925	10.925	-1.02281
1	hcs024d06			0.856989	0.204349	10.202	10.2213	0.986688
3	hcs024d06			0.85596	-0.20585	10.418	10.436	-1.01255
5	hcs024d06			0.825767	0.250231	10.2298	10.2042	1.0179
7	hcs024d06			0.489659	0.83925	9.98371	9.93433	1.03482
1	hcs024d07	89944	GLB1L2	0.829394	-0.244863	10.3394	10.2972	1.02968
3	hcs024d07	89944	GLB1L2	0.203002	1.86616	10.6811	10.5029	1.13145
5	hcs024d07	89944	GLB1L2	0.707064	-0.433281	10.3067	10.3284	-1.01513
7	hcs024d07	89944	GLB1L2	0.23236	1.69393	10.0405	9.94173	1.07082
1	hcs024d08	51069	MRPL2	0.96534	0.0490463	10.3768	10.3819	0.996494
3	hcs024d08	51069	MRPL2	0.401073	-1.0577	10.5553	10.5939	-1.02712
5	hcs024d08	51069	MRPL2	0.350576	-1.20778	10.3591	10.5159	-1.11486
7	hcs024d08	51069	MRPL2	0.276772	-1.48101	10.1129	10.2203	-1.07734
1	hcs024d09			0.0484119	-4.37818	11.7115	11.5714	1.10201
3	hcs024d09			0.397759	1.06687	11.7298	11.3951	1.26109
5	hcs024d09			0.0822393	3.26819	11.861	11.6271	1.17596
7	hcs024d09			0.772184	0.330881	11.2837	11.2513	1.02276
1	hcs024d10	22905	EPN2	0.426918	0.988972	10.9644	11.0595	0.936208
3	hcs024d10	22905	EPN2	0.372305	-1.14032	10.9616	11.0492	-1.06258
5	hcs024d10	22905	EPN2	0.528513	-0.756099	10.8879	10.9687	-1.05763
7	hcs024d10	22905	EPN2	0.0332006	-5.35055	10.4124	10.7008	-1.22131
1	hcs024d11	?	?	0.787017	-0.308277	10.6532	10.6187	1.02423
3	hcs024d11	?	?	0.716029	0.418839	10.647	10.5109	1.0989
5	hcs024d11	?	?	0.505454	0.804686	10.6947	10.5457	1.1088
7	hcs024d11	?	?	0.673607	0.488334	10.4236	10.4136	1.00691
1	hcs024d12	22874	PLEKHA6	0.614556	-0.590747	10.0523	10.0363	1.01112
3	hcs024d12	22874	PLEKHA6	0.852903	-0.210314	9.91447	9.97355	-1.0418
5	hcs024d12	22874	PLEKHA6	0.922739	-0.10959	9.97563	9.9977	-1.01541
7	hcs024d12	22874	PLEKHA6	0.553844	-0.705018	9.82968	9.9419	-1.08089
1	hcs024e01	53904	MYO3A	0.559684	0.693553	10.0026	10.1464	0.905132
3	hcs024e01	53904	MYO3A	0.188715	-1.96242	10.2619	10.3946	-1.09635
5	hcs024e01	53904	MYO3A	0.335316	-1.25816	10.1432	10.2903	-1.10738
7	hcs024e01	53904	MYO3A	0.445217	0.943012	10.0123	9.91081	1.07291
1	hcs024e02	23019	CNOT1	0.471524	0.880357	10.7466	10.8103	0.956807
3	hcs024e02	23019	CNOT1	0.785676	-0.310311	10.896	10.9248	-1.02014
5	hcs024e02	23019	CNOT1	0.815587	0.265351	10.8823	10.8468	1.02496
7	hcs024e02	23019	CNOT1	0.467982	0.888575	10.4785	10.3902	1.06309
1	hcs024e03	60370	AVPI1	0.800662	0.28768	10.5766	10.6074	0.978855
3	hcs024e03	60370	AVPI1	0.653508	0.522373	10.8516	10.7817	1.04964
5	hcs024e03	60370	AVPI1	0.734074	-0.390123	10.7314	10.7646	-1.02328
7	hcs024e03	60370	AVPI1	0.336052	-1.25567	10.2218	10.2585	-1.02576
1	hcs024e04	84461	NEURL4	0.859086	0.201291	10.0054	10.0496	0.969801
3	hcs024e04	84461	NEURL4	0.96059	-0.0557773	10.67	10.6733	-1.00232
5	hcs024e04	84461	NEURL4	0.192202	-1.93804	9.83117	10.0628	-1.17412
7	hcs024e04	84461	NEURL4	0.317998	-1.31879	9.70396	9.83952	-1.09852

1	hcs024e05	27183	VPS4A	0.78139	-0.316825	11.0727	11.0532	1.01363
3	hcs024e05	27183	VPS4A	0.653179	0.522937	11.3046	11.2156	1.06366
5	hcs024e05	27183	VPS4A	0.385217	1.10237	11.2223	11.0954	1.09194
7	hcs024e05	27183	VPS4A	0.369786	1.1479	10.8041	10.6614	1.10397
1	hcs024e06	80264	ZNF430	0.187873	1.9684	10.0962	10.1956	0.933413
3	hcs024e06	80264	ZNF430	0.441946	0.951075	10.5563	10.4095	1.1071
5	hcs024e06	80264	ZNF430	0.425297	-0.993146	10.2839	10.4199	-1.09887
7	hcs024e06	80264	ZNF430	0.530971	-0.751041	9.76679	9.88013	-1.08172
1	hcs024e07	57727	NCOA5	0.191646	-1.94189	10.3918	10.2182	1.12788
3	hcs024e07	57727	NCOA5	0.358624	1.18223	10.6402	10.5305	1.07897
5	hcs024e07	57727	NCOA5	0.309974	1.34825	10.4907	10.2815	1.15605
7	hcs024e07	57727	NCOA5	0.0646982	3.73806	10.0702	9.91129	1.11645
1	hcs024e08	10131	TRAP1	0.184114	-1.99552	10.9114	10.847	1.04567
3	hcs024e08	10131	TRAP1	0.739509	0.381563	11.1829	11.1449	1.02669
5	hcs024e08	10131	TRAP1	0.352989	-1.20004	10.8024	10.9424	-1.10196
7	hcs024e08	10131	TRAP1	0.0066505	-12.201	10.4816	10.6168	-1.09825
1	hcs024e09	51742	ARID4B	0.595449	-0.625601	10.3794	10.3268	1.03714
3	hcs024e09	51742	ARID4B	0.867312	-0.189323	10.5994	10.6218	-1.01565
5	hcs024e09	51742	ARID4B	0.264467	-1.53538	10.2867	10.4192	-1.09617
7	hcs024e09	51742	ARID4B	0.266887	1.52444	10.0906	10.0429	1.0336
1	hcs024e10	23176	SEPT8	0.580842	-0.652902	10.3726	10.3438	1.02014
3	hcs024e10	23176	SEPT8	0.707554	-0.432489	10.5832	10.6409	-1.04081
5	hcs024e10	23176	SEPT8	0.645211	-0.536659	10.3684	10.4339	-1.04645
7	hcs024e10	23176	SEPT8	0.471968	0.879332	10.1073	10.0231	1.06005
1	hcs024e11	100132884	LOC1001320.996686	0.0046871	10.4914	10.4914	10.4919	0.999676
3	hcs024e11	100132884	LOC1001320.253155	-1.58827	10.7004	10.7004	10.874	-1.12787
5	hcs024e11	100132884	LOC1001320.933176	0.0947152	10.6061	10.6061	10.5863	1.01382
7	hcs024e11	100132884	LOC1001320.0013562	27.1261	10.2174	10.2174	10.1592	1.04117
1	hcs024f01	10381	TUBB3	0.165563	-2.14129	13.0095	12.7002	1.23911
3	hcs024f01	10381	TUBB3	0.631538	0.560521	12.7012	12.6551	1.03245
5	hcs024f01	10381	TUBB3	0.46267	0.901026	12.8157	12.6796	1.09888
7	hcs024f01	10381	TUBB3	0.0947965	-3.01227	12.2593	12.7335	-1.38918
1	hcs024f02	23705	CADM1	0.234325	1.68343	10.7965	10.8883	0.938351
3	hcs024f02	23705	CADM1	0.687612	0.465058	10.9039	10.8251	1.05619
5	hcs024f02	23705	CADM1	0.529568	-0.753926	10.8019	10.9022	-1.07202
7	hcs024f02	23705	CADM1	0.102223	-2.88261	10.6781	10.8147	-1.09929
1	hcs024f03	51332	SPTBN5	0.589406	0.636823	10.9214	10.9842	0.957426
3	hcs024f03	51332	SPTBN5	0.683926	0.47115	10.73	10.5541	1.12965
5	hcs024f03	51332	SPTBN5	0.711542	0.426051	11.0684	11.0156	1.03728
7	hcs024f03	51332	SPTBN5	0.902094	0.139128	10.8425	10.8302	1.00856
1	hcs024f04	51631	LUC7L2	0.650723	-0.527153	10.8616	10.8295	1.0225
3	hcs024f04	51631	LUC7L2	0.695861	0.451507	11.0494	10.9573	1.06592
5	hcs024f04	51631	LUC7L2	0.769962	-0.334287	10.9229	10.9803	-1.04064
7	hcs024f04	51631	LUC7L2	0.183515	1.99991	10.8664	10.7733	1.06666
1	hcs024f05	10634	GAS2L1	0.0983054	2.94928	11.3398	11.3945	0.962773
3	hcs024f05	10634	GAS2L1	0.658762	0.513399	11.3499	11.2678	1.05856
5	hcs024f05	10634	GAS2L1	0.630824	0.561778	11.4406	11.337	1.07443

7	hcs024f05	10634	GAS2L1	0.618988	-0.582793	10.879	10.9294	-1.03555
1	hcs024f07	10988	METAP2	0.563506	0.686108	10.0516	10.1018	0.965802
3	hcs024f07	10988	METAP2	0.863557	-0.19478	10.2658	10.3009	-1.02468
5	hcs024f07	10988	METAP2	0.830685	0.242956	10.2822	10.2538	1.01986
7	hcs024f07	10988	METAP2	0.0446301	-4.5736	9.90461	9.97153	-1.04748
1	hcs024f08	55531	ELMOD1	0.956666	-0.0613411	19.59079	9.58156	1.00642
3	hcs024f08	55531	ELMOD1	0.0939484	-3.028	9.82189	9.95794	-1.09889
5	hcs024f08	55531	ELMOD1	0.241211	-1.64752	9.60201	9.70472	-1.07379
7	hcs024f08	55531	ELMOD1	0.497094	-0.822843	9.43148	9.52386	-1.06613
1	hcs024f10	25989	ULK3	0.178975	-2.03385	9.56901	9.31701	1.19085
3	hcs024f10	25989	ULK3	0.40527	-1.04621	8.96733	9.42458	-1.37292
5	hcs024f10	25989	ULK3	0.0541021	-4.1228	9.16832	9.37156	-1.15128
1	hcs024f11	8720	MBTPS1	0.688356	-0.463831	10.4256	10.403	1.01581
3	hcs024f11	8720	MBTPS1	0.943569	0.0799334	10.3632	10.342	1.01485
5	hcs024f11	8720	MBTPS1	0.232122	1.69521	10.6378	10.4207	1.16239
7	hcs024f11	8720	MBTPS1	0.00158871	25.0584	10.2967	10.0942	1.15074
1	hcs024f12			0.499777	0.816982	11.4281	11.5628	0.910859
3	hcs024f12			0.462648	0.901077	11.3586	11.1591	1.1483
5	hcs024f12			0.184818	1.99038	11.5538	11.3435	1.15693
7	hcs024f12			0.519489	0.774862	11.261	11.2007	1.04266
1	hcs024g01	1350	COX7C	0.607811	0.602945	11.5486	11.6393	0.939045
3	hcs024g01	1350	COX7C	0.722005	0.409277	11.7542	11.7189	1.02475
5	hcs024g01	1350	COX7C	0.157253	2.21401	11.9225	11.6995	1.16713
7	hcs024g01	1350	COX7C	0.522348	0.768883	11.3901	11.2628	1.09225
1	hcs024g02	55161	TMEM33	0.66954	-0.495159	10.089	10.0393	1.03504
3	hcs024g02	55161	TMEM33	0.372693	-1.13916	10.2733	10.3712	-1.07024
5	hcs024g02	55161	TMEM33	0.141298	-2.36966	10.0594	10.232	-1.12712
7	hcs024g02	55161	TMEM33	0.532678	0.747542	9.90769	9.8267	1.05774
1	hcs024g03	54	ACP5	0.30095	1.38252	10.6579	10.9375	0.823819
3	hcs024g03	54	ACP5	0.45495	0.919387	11.1428	11.0156	1.09212
5	hcs024g03	54	ACP5	0.256305	-1.57324	10.5569	10.7681	-1.15765
7	hcs024g03	54	ACP5	0.917887	0.116519	10.3854	10.3721	1.00926
1	hcs024g04	55012	PPP2R3C	0.752206	0.361714	10.4332	10.5089	0.94886
3	hcs024g04	55012	PPP2R3C	0.453997	-0.921676	10.693	10.8169	-1.08968
5	hcs024g04	55012	PPP2R3C	0.226662	-1.72504	10.4444	10.5984	-1.11268
7	hcs024g04	55012	PPP2R3C	0.701172	-0.442841	10.2894	10.3046	-1.01059
1	hcs024g05	11075	STMN2	0.398118	1.06587	10.5356	10.8028	0.830911
3	hcs024g05	11075	STMN2	0.949348	0.0717246	11.0646	11.0606	1.00278
5	hcs024g05	11075	STMN2	0.257277	-1.56865	10.7403	10.8987	-1.116
7	hcs024g05	11075	STMN2	0.344645	1.22704	10.5416	10.4697	1.05115
1	hcs024g06	23476	BRD4	0.345614	1.22387	10.258	10.4489	0.876039
3	hcs024g06	23476	BRD4	0.633645	-0.556817	10.765	10.8325	-1.0479
5	hcs024g06	23476	BRD4	0.536576	0.739594	10.5005	10.4587	1.02937
7	hcs024g06	23476	BRD4	0.567512	0.678353	10.0378	9.91124	1.0917
3	hcs024g07	37	ACADVL	0.616466	0.587313	10.6616	10.4002	1.19865
5	hcs024g07	37	ACADVL	0.931517	-0.097078	10.136	10.1463	-1.00716
7	hcs024g07	37	ACADVL	0.212394	1.80766	10.4482	10.1754	1.20819



1	hcs024g09			0.653941	-0.521631	10.7266	10.7028	1.01663
3	hcs024g09			0.83532	-0.236116	10.9079	10.9668	-1.04167
5	hcs024g09			0.526475	0.760309	10.866	10.788	1.05555
7	hcs024g09			0.3982	1.06565	10.6779	10.5375	1.10224
1	hcs024g10	3872	KRT17	0.421475	1.00306	11.3582	11.5515	0.874623
3	hcs024g10	3872	KRT17	0.700122	0.444551	11.7223	11.6276	1.06784
5	hcs024g10	3872	KRT17	0.5756	0.662849	11.7285	11.6159	1.0812
7	hcs024g10	3872	KRT17	0.261213	1.55029	11.4928	11.4061	1.06196
1	hcs024g11	23008	KLHDC10	0.353453	-1.19857	9.90504	9.69342	1.15799
3	hcs024g11	23008	KLHDC10	0.899189	0.143298	10.2644	10.2259	1.02702
5	hcs024g11	23008	KLHDC10	0.0769502	-3.39344	9.77633	9.93037	-1.11268
1	hcs024h01	642366	LOC642366	0.102935	2.87089	9.70691	9.78289	0.948697
3	hcs024h01	642366	LOC642366	0.212853	-1.80489	9.88105	10.1412	-1.1976
5	hcs024h01	642366	LOC642366	0.217522	-1.77715	9.63648	9.66563	-1.02041
7	hcs024h01	642366	LOC642366	0.337472	1.25088	9.80154	9.71487	1.06192
1	hcs024h02	93622	LOC93622	0.470132	0.88358	11.6097	11.7625	0.899482
3	hcs024h02	93622	LOC93622	0.378914	-1.12071	11.2024	11.2514	-1.03457
5	hcs024h02	93622	LOC93622	0.0222909	-6.58537	11.8234	11.9047	-1.058
7	hcs024h02	93622	LOC93622	0.100864	-2.90533	11.3366	11.5195	-1.13514
1	hcs024h03	23463	ICMT	0.127282	-2.52796	10.9052	10.357	1.46226
3	hcs024h03	23463	ICMT	0.906383	-0.132979	10.199	10.2424	-1.0305
5	hcs024h03	23463	ICMT	0.526672	0.759902	10.6028	10.3967	1.15362
7	hcs024h03	23463	ICMT	0.168301	2.11841	10.2928	10.1925	1.07197
1	hcs024h04	145270	PRIMA1	0.236164	1.67371	9.65257	9.88279	0.852507
3	hcs024h04	145270	PRIMA1	0.0739204	-3.47092	9.95413	10.2589	-1.23522
5	hcs024h04	145270	PRIMA1	0.232011	-1.69581	9.75614	9.85807	-1.07321
7	hcs024h04	145270	PRIMA1	0.653299	0.522732	9.58074	9.52221	1.0414
1	hcs024h05	64710	NUCKS1	0.536023	-0.740717	10.2257	10.1372	1.06323
3	hcs024h05	64710	NUCKS1	0.840142	-0.229019	10.4907	10.4957	-1.00349
5	hcs024h05	64710	NUCKS1	0.285304	-1.44507	9.94117	9.99826	-1.04037
7	hcs024h05	64710	NUCKS1	0.555532	-0.701694	9.72078	9.76364	-1.03015
1	hcs024h06	27141	CIDEB	0.25161	1.59573	10.7574	10.874	0.92238
3	hcs024h06	27141	CIDEB	0.797361	0.292646	10.9828	10.9196	1.04478
5	hcs024h06	27141	CIDEB	0.264945	1.53321	11.0371	10.7048	1.25899
7	hcs024h06	27141	CIDEB	0.185822	1.9831	10.718	10.6379	1.05709
1	hcs024h07	595	CCND1	0.0396209	-4.87332	12.2505	11.9402	1.23999
3	hcs024h07	595	CCND1	0.187368	1.97199	12.2387	11.7335	1.41929
5	hcs024h07	595	CCND1	0.124401	2.56353	12.6176	12.0056	1.52831
7	hcs024h07	595	CCND1	0.613508	0.592635	11.925	11.7869	1.10048
1	hcs024h08	30968	STOML2	0.610281	0.598465	10.7962	10.8303	0.976618
3	hcs024h08	30968	STOML2	0.816204	-0.264431	10.8187	10.8573	-1.02714
5	hcs024h08	30968	STOML2	0.839307	0.230246	10.9106	10.8649	1.03218
7	hcs024h08	30968	STOML2	0.395163	-1.07411	10.3421	10.4301	-1.06287
1	hcs024h09	1656	DDX6	0.0130043	-8.68338	10.5199	10.4761	1.0308
3	hcs024h09	1656	DDX6	0.255444	-1.57733	10.3311	10.6825	-1.27576
5	hcs024h09	1656	DDX6	0.293647	-1.4112	10.3693	10.5455	-1.1299
7	hcs024h09	1656	DDX6	0.163982	2.15473	9.95211	9.92777	1.01701

1	hcs024h10	10439	OLFM1	0.930319	0.0987846	10.206	10.215	0.993747
3	hcs024h10	10439	OLFM1	0.614097	-0.591572	10.2819	10.3927	-1.07979
5	hcs024h10	10439	OLFM1	0.342229	-1.23501	9.90794	9.94754	-1.02783
7	hcs024h10	10439	OLFM1	0.179368	2.03086	9.89318	9.82732	1.04671
1	hcs024h11	338917	VSX2	0.284427	1.4487	9.96327	10.0048	0.971595
3	hcs024h11	338917	VSX2	0.240851	-1.64937	9.86639	10.1565	-1.22276
5	hcs024h11	338917	VSX2	0.227736	-1.7191	9.83025	10.0645	-1.17628
7	hcs024h11	338917	VSX2	0.228782	1.71335	9.68227	9.59349	1.06347
1	hcs024h12	25970	SH2B1	0.400058	1.0605	10.4268	10.543	0.922636
3	hcs024h12	25970	SH2B1	0.699498	-0.445568	10.3371	10.4275	-1.06464
5	hcs024h12	25970	SH2B1	0.621048	0.579112	10.5332	10.4465	1.06199
7	hcs024h12	25970	SH2B1	0.202848	1.86715	10.2594	10.1254	1.09728
1	hcs025a01			0.36493	1.16269	11.3916	11.7252	0.793536
3	hcs025a01			0.222415	-1.7489	11.6204	11.7674	-1.10721
5	hcs025a01			0.860904	-0.198642	11.5944	11.6212	-1.01877
7	hcs025a01			0.0843	-3.22248	11.1889	11.3805	-1.14203
1	hcs025a02	65009	NDRG4	0.532306	0.748305	10.6076	10.7127	0.929762
3	hcs025a02	65009	NDRG4	0.930802	-0.0980965	10.614	10.6439	-1.02092
5	hcs025a02	65009	NDRG4	0.664344	0.503924	10.7708	10.7006	1.04986
7	hcs025a02	65009	NDRG4	0.290406	1.42422	10.3413	10.2851	1.03968
1	hcs025a03			0.240785	1.6497	10.9087	11.2322	0.799129
3	hcs025a03			0.73816	0.383684	11.3094	11.2231	1.06167
5	hcs025a03			0.68292	0.472817	11.2045	11.1023	1.07341
7	hcs025a03			0.536873	0.738989	11.0026	10.9155	1.06221
1	hcs025a04	5786	PTPRA	0.225753	1.7301	10.5039	10.7611	0.83673
3	hcs025a04	5786	PTPRA	0.73877	0.382725	10.9657	10.8975	1.04841
5	hcs025a04	5786	PTPRA	0.416358	-1.01648	10.5943	10.6639	-1.04943
7	hcs025a04	5786	PTPRA	0.444358	-0.945124	10.4592	10.5044	-1.03185
1	hcs025a05	5908	RAP1B	0.808363	0.276134	12.3189	12.3543	0.975739
3	hcs025a05	5908	RAP1B	0.493137	0.831543	12.4229	12.3183	1.07525
5	hcs025a05	5908	RAP1B	0.659048	-0.512912	12.3828	12.4149	-1.02252
7	hcs025a05	5908	RAP1B	0.0398372	-4.85925	12.2048	12.4374	-1.17495
1	hcs025a06	2738	GLI4	0.248421	1.61132	12.4004	12.8634	0.725476
3	hcs025a06	2738	GLI4	0.819581	0.259407	12.8287	12.7941	1.02427
5	hcs025a06	2738	GLI4	0.541765	-0.729095	12.8199	12.9214	-1.07286
7	hcs025a06	2738	GLI4	0.132924	-2.46144	12.2349	12.8736	-1.55696
1	hcs025a08	51160	VPS28	0.655465	0.519023	10.3548	10.4104	0.962174
3	hcs025a08	51160	VPS28	0.52564	0.762038	10.6198	10.5689	1.03586
5	hcs025a08	51160	VPS28	0.955431	-0.063093	10.4831	10.49	-1.00477
7	hcs025a08	51160	VPS28	0.554736	0.703259	10.1287	10.0963	1.02274
1	hcs025a09	100309464	OTX2OS1	0.399549	1.06191	10.6079	10.7426	0.910838
3	hcs025a09	100309464	OTX2OS1	0.830339	0.243467	10.946	10.9077	1.02688
5	hcs025a09	100309464	OTX2OS1	0.777053	-0.323436	10.6645	10.7195	-1.03886
7	hcs025a09	100309464	OTX2OS1	0.865906	-0.191366	10.6224	10.6292	-1.00477
1	hcs025a11	26135	SERBP1	0.481399	0.857775	11.2743	11.4452	0.888268
3	hcs025a11	26135	SERBP1	0.705991	0.435018	11.409	11.3209	1.06297
5	hcs025a11	26135	SERBP1	0.831089	-0.242359	11.4645	11.522	-1.04064

7	hcs025a11	26135	SERBP1	0.176099	-2.05594	11.1305	11.2661	-1.09857
1	hcs025a12	?	?	0.546924	0.718752	10.9022	10.9918	0.939805
3	hcs025a12	?	?	0.49892	0.81885	10.9011	10.6626	1.17979
5	hcs025a12	?	?	0.450951	0.929028	10.9413	10.7877	1.11234
7	hcs025a12	?	?	0.093477	3.03683	10.9177	10.7942	1.08932
1	hcs025b01	22888	UBOX5	0.694891	-0.453094	9.87633	9.6046	1.20726
3	hcs025b01	22888	UBOX5	0.160456	-2.18537	10.253	10.4915	-1.17979
5	hcs025b01	22888	UBOX5	0.251267	-1.59739	9.53049	9.80661	-1.21094
1	hcs025b02	5036	PA2G4	0.506106	-0.803282	11.2748	11.1994	1.05368
3	hcs025b02	5036	PA2G4	0.832333	0.240522	11.1577	11.1296	1.01969
5	hcs025b02	5036	PA2G4	0.270358	1.50896	11.3025	11.1151	1.13874
7	hcs025b02	5036	PA2G4	0.412201	1.02752	11.0416	10.9244	1.08465
1	hcs025b04	10488	CREB3	0.977942	-0.0312025	10.7888	10.7858	1.00208
3	hcs025b04	10488	CREB3	0.428855	0.984007	10.933	10.8544	1.05604
5	hcs025b04	10488	CREB3	0.136257	-2.42397	10.7408	10.8429	-1.07336
7	hcs025b04	10488	CREB3	0.424444	0.99535	10.4309	10.3008	1.09442
1	hcs025b05	?	?	0.708977	0.430188	9.80593	9.92727	0.919331
3	hcs025b05	?	?	0.529322	-0.754433	10.4458	10.7011	-1.19366
5	hcs025b05	?	?	0.523373	-0.766749	10.4649	10.601	-1.09893
7	hcs025b05	?	?	0.125566	2.549	9.92162	9.73285	1.13979
1	hcs025b06	4635	MYL4	0.335961	1.25598	10.5212	10.7427	0.857673
3	hcs025b06	4635	MYL4	0.536892	-0.73895	10.8089	11.0054	-1.14589
5	hcs025b06	4635	MYL4	0.954627	0.0642333	10.6912	10.6842	1.00489
7	hcs025b06	4635	MYL4	0.344532	1.22742	10.3999	10.2511	1.10868
1	hcs025b07	8140	SLC7A5	0.129985	2.49558	11.385	11.5494	0.89232
3	hcs025b07	8140	SLC7A5	0.479855	0.861275	11.62	11.5093	1.07978
5	hcs025b07	8140	SLC7A5	0.952042	0.0679016	11.6372	11.6293	1.00551
7	hcs025b07	8140	SLC7A5	0.243102	-1.63789	10.9604	11.2026	-1.18279
1	hcs025b08	?	?	0.275768	1.48533	10.3839	10.491	0.928474
3	hcs025b08	?	?	0.094738	-3.01335	10.7213	10.8111	-1.06427
5	hcs025b08	?	?	0.350027	-1.20954	10.4287	10.542	-1.08167
7	hcs025b08	?	?	0.794689	0.296673	10.1081	10.0726	1.02493
1	hcs025b09	57447	NDRG2	0.0548525	-4.09204	10.1802	10.1127	1.04792
3	hcs025b09	57447	NDRG2	0.136314	-2.42334	10.4313	10.5787	-1.10752
5	hcs025b09	57447	NDRG2	0.402498	-1.05378	10.0816	10.1779	-1.06904
7	hcs025b09	57447	NDRG2	0.313139	1.33652	9.93627	9.76947	1.12257
1	hcs025b11	5609	MAP2K7	0.19408	1.92516	13.1449	13.3456	0.870108
3	hcs025b11	5609	MAP2K7	0.452227	0.925943	12.9875	12.8998	1.06272
5	hcs025b11	5609	MAP2K7	0.0369959	5.05365	13.3585	12.8603	1.41248
7	hcs025b11	5609	MAP2K7	0.0065271	12.317	13.2403	12.6802	1.47434
1	hcs025b12	?	?	0.83325	0.239169	10.4239	10.4448	0.98564
3	hcs025b12	?	?	0.548385	-0.715839	10.3961	10.5076	-1.08033
5	hcs025b12	?	?	0.846124	-0.220237	10.4772	10.5061	-1.02023
7	hcs025b12	?	?	0.834925	0.236699	10.0403	10.0171	1.0162
1	hcs025c01	83544	DNAL1	0.965587	-0.0486958	10.0057	10.0018	1.00271
3	hcs025c01	83544	DNAL1	0.230154	-1.70585	10.0541	10.449	-1.31486
5	hcs025c01	83544	DNAL1	0.377105	1.12604	10.1296	9.94286	1.13819

7	hcs025c01	83544	DNAL1	0.282594	1.45634	9.94811	9.69494	1.19182
1	hcs025c02	51517	NCKIPSD	0.475326	0.871605	10.5917	10.8879	0.814413
3	hcs025c02	51517	NCKIPSD	0.63422	0.555807	10.9176	10.8801	1.02631
5	hcs025c02	51517	NCKIPSD	0.0404242	-4.82161	10.4085	10.6321	-1.16768
1	hcs025c03	2824	GPM6B	0.206328	1.84504	10.1899	10.2317	0.971465
3	hcs025c03	2824	GPM6B	0.922167	-0.110407	10.3724	10.3898	-1.01213
5	hcs025c03	2824	GPM6B	0.0724434	-3.51037	10.0761	10.3008	-1.16856
7	hcs025c03	2824	GPM6B	0.150338	-2.27866	9.94744	10.0248	-1.05505
1	hcs025c04	537	ATP6AP1	0.296777	1.3988	10.6592	10.7329	0.950198
3	hcs025c04	537	ATP6AP1	0.531186	0.7506	10.9484	10.8541	1.0676
5	hcs025c04	537	ATP6AP1	0.244927	1.62869	11.0364	10.8984	1.10033
7	hcs025c04	537	ATP6AP1	0.255122	1.57886	10.5164	10.4161	1.072
1	hcs025c05	1159	CKMT1B	0.52053	0.772682	10.495	10.5873	0.938048
3	hcs025c05	1159	CKMT1B	0.891626	0.154172	10.8186	10.773	1.03214
5	hcs025c05	1159	CKMT1B	0.909366	-0.128706	10.5342	10.5618	-1.01927
7	hcs025c05	1159	CKMT1B	0.752668	0.360996	10.4865	10.4509	1.02504
1	hcs025c06	?	?	0.137429	2.4111	10.3227	10.4981	0.885542
3	hcs025c06	?	?	0.874852	-0.178388	10.5841	10.5998	-1.0109
5	hcs025c06	?	?	0.444441	0.944919	10.6593	10.4978	1.11845
7	hcs025c06	?	?	0.336725	1.2534	10.2642	10.245	1.01342
1	hcs025c07	3459	IFNGR1	0.629229	-0.564591	9.78178	9.73304	1.03436
3	hcs025c07	3459	IFNGR1	0.758882	0.351358	10.0035	9.9702	1.02332
5	hcs025c07	3459	IFNGR1	0.406891	-1.04181	9.70582	9.81518	-1.07875
7	hcs025c07	3459	IFNGR1	0.959114	-0.0578694	9.52057	9.52614	-1.00387
1	hcs025c08	?	?	0.792325	-0.300243	10.2522	10.2014	1.03582
3	hcs025c08	?	?	0.597906	-0.621065	10.2229	10.3717	-1.10861
5	hcs025c08	?	?	0.455619	0.917783	10.1563	10.057	1.07126
7	hcs025c08	?	?	0.664707	0.503311	9.92535	9.87686	1.03418
1	hcs025c09	5264	PHYH	0.890831	0.155317	9.62878	9.69657	0.954101
3	hcs025c09	5264	PHYH	0.222811	1.74665	10.1186	9.86071	1.1957
5	hcs025c09	5264	PHYH	0.144148	-2.34012	9.42328	9.63903	-1.16131
7	hcs025c09	5264	PHYH	0.0517054	-4.22535	9.32425	9.57648	-1.19105
1	hcs025c10	80344	DCAF11	0.440173	0.955475	10.3305	10.4758	0.904171
3	hcs025c10	80344	DCAF11	0.902949	-0.137902	10.6649	10.6901	-1.01762
5	hcs025c10	80344	DCAF11	0.652557	0.524003	10.5592	10.4617	1.06994
7	hcs025c10	80344	DCAF11	0.561774	0.689475	10.2873	10.2637	1.01654
1	hcs025c11	100125288	ZGLP1	0.492657	0.832604	10.6008	10.7102	0.926952
3	hcs025c11	100125288	ZGLP1	0.893938	0.150846	10.8351	10.8071	1.0196
5	hcs025c11	100125288	ZGLP1	0.760754	0.348465	10.7671	10.7145	1.03713
7	hcs025c11	100125288	ZGLP1	0.149552	2.28627	10.6828	10.6395	1.03047
1	hcs025c12	246721	POLR2J2	0.606523	0.605286	10.4749	10.6165	0.906513
3	hcs025c12	246721	POLR2J2	0.812892	0.269367	10.4475	10.4019	1.03211
5	hcs025c12	246721	POLR2J2	0.799478	0.28946	10.4889	10.4723	1.01157
7	hcs025c12	246721	POLR2J2	0.345049	-1.22572	10.2644	10.3124	-1.03377
1	hcs025d01	11316	COPE	0.797375	0.292625	11.6073	11.6688	0.958267
3	hcs025d01	11316	COPE	0.517808	0.778392	11.8113	11.6351	1.12988
5	hcs025d01	11316	COPE	0.0819018	3.27583	11.8917	11.6106	1.21515

7	hcs025d01	11316	COPE	0.275397	1.48693	11.8218	11.5302	1.22394
1	hcs025d02	5691	PSMB3	0.821641	0.256348	11.3484	11.3801	0.978289
3	hcs025d02	5691	PSMB3	0.465156	0.895181	11.4159	11.3157	1.07192
5	hcs025d02	5691	PSMB3	0.15116	2.27077	11.4806	11.2564	1.16813
7	hcs025d02	5691	PSMB3	0.194422	-1.92283	11.0331	11.0627	-1.02073
1	hcs025d03	?	?	0.496257	0.824677	10.6229	10.8101	0.878289
3	hcs025d03	?	?	0.0577811	-3.97764	10.8299	10.9556	-1.09099
5	hcs025d03	?	?	0.663513	0.505331	10.8539	10.7874	1.04722
7	hcs025d03	?	?	0.696653	0.450212	10.3806	10.351	1.02071
1	hcs025d04	50700	RDH8	0.609215	0.600396	10.4775	10.6069	0.914211
3	hcs025d04	50700	RDH8	0.458223	-0.911562	10.9644	11.0014	-1.02598
5	hcs025d04	50700	RDH8	0.177292	-2.04672	10.7203	10.8558	-1.09842
7	hcs025d04	50700	RDH8	0.740905	-0.37937	10.3321	10.3758	-1.03075
5	hcs025d05	598	BCL2L1	0.320451	1.30996	10.4462	10.2372	1.15596
1	hcs025d06	10421	CD2BP2	0.675396	-0.485341	10.1665	10.1169	1.035
3	hcs025d06	10421	CD2BP2	0.434376	-0.969987	10.7095	10.8162	-1.07676
5	hcs025d06	10421	CD2BP2	0.288677	-1.43123	9.89773	10.0658	-1.12357
7	hcs025d06	10421	CD2BP2	0.44638	-0.94016	9.79784	9.91713	-1.08621
1	hcs025d07	22916	NCBP2	0.523475	0.766536	9.79523	10.2946	0.707409
3	hcs025d07	22916	NCBP2	0.312315	1.33956	11.0336	10.5629	1.38576
5	hcs025d07	22916	NCBP2	0.716698	-0.417766	10.2469	10.2957	-1.0344
7	hcs025d07	22916	NCBP2	0.450802	-0.929389	9.64844	10.4064	-1.69112
1	hcs025d08	5717	PSMD11	0.346773	-1.22008	10.4487	10.2762	1.127
3	hcs025d08	5717	PSMD11	0.919748	0.113861	10.7612	10.7398	1.01496
5	hcs025d08	5717	PSMD11	0.659442	-0.512241	10.3527	10.4053	-1.03717
7	hcs025d08	5717	PSMD11	0.535215	-0.742362	9.88654	10.0025	-1.08367
1	hcs025d09	57030	SLC17A7	0.804225	0.282332	10.3515	10.488	0.909719
3	hcs025d09	57030	SLC17A7	0.737914	0.384071	10.53	10.4357	1.06749
5	hcs025d09	57030	SLC17A7	0.621717	-0.577918	10.2613	10.2722	-1.00757
7	hcs025d09	57030	SLC17A7	0.363881	-1.16591	9.97553	10.2455	-1.20575
1	hcs025d10	?	?	0.641543	0.54302	11.0569	11.1551	0.934198
3	hcs025d10	?	?	0.924844	0.106588	10.8683	10.8541	1.00994
5	hcs025d10	?	?	0.320997	-1.30801	10.9336	11.0677	-1.09741
7	hcs025d10	?	?	0.291569	-1.41953	10.4565	10.5705	-1.08222
1	hcs025d11	55174	INTS10	0.316702	1.32348	11.2741	11.5264	0.839538
3	hcs025d11	55174	INTS10	0.25511	1.57892	11.4857	11.0905	1.31519
5	hcs025d11	55174	INTS10	0.0718137	3.52754	11.3611	10.9418	1.33731
7	hcs025d11	55174	INTS10	0.0179135	7.37078	11.1811	10.8263	1.27884
1	hcs025d12	8559	PRPF18	0.294621	1.40733	11.3327	11.6628	0.795481
3	hcs025d12	8559	PRPF18	0.710817	-0.42722	11.4132	11.4348	-1.01511
5	hcs025d12	8559	PRPF18	0.0974647	2.96408	11.8145	11.6429	1.12631
7	hcs025d12	8559	PRPF18	0.353246	1.19923	11.4738	11.3594	1.08252
1	hcs025e01	?	?	0.700147	0.44451	10.1367	10.1713	0.976275
3	hcs025e01	?	?	0.882575	-0.167221	10.3046	10.3398	-1.0247
5	hcs025e01	?	?	0.569171	0.675157	10.3027	10.1704	1.09601
7	hcs025e01	?	?	0.288172	1.43329	10.189	9.97497	1.15993
1	hcs025e02			0.535694	0.741387	9.70356	9.8782	0.885986

5	hcs025e02			0.158282	-2.20473	9.67715	9.84042	-1.11982
7	hcs025e02			0.827567	0.247566	9.66249	9.62441	1.02675
1	hcs025e04			0.292054	1.41757	10.8112	11.0728	0.834162
3	hcs025e04			0.474808	0.872794	11.0917	10.8595	1.1746
5	hcs025e04			0.892193	0.153355	11.0524	11.044	1.00584
7	hcs025e04			0.17804	-2.04097	10.6452	10.7387	-1.06693
1	hcs025e05	1108	CHD4	0.860234	0.199618	10.3426	10.3832	0.972273
3	hcs025e05	1108	CHD4	0.299388	1.38859	10.9673	10.6968	1.20623
5	hcs025e05	1108	CHD4	0.0674332	3.65335	10.6188	10.4539	1.12106
7	hcs025e05	1108	CHD4	0.763861	-0.34367	10.3806	10.3923	-1.00812
1	hcs025e07	?	?	0.491974	0.834114	11.8282	11.9521	0.917682
3	hcs025e07	?	?	0.841911	-0.226419	12.0031	12.0456	-1.02987
5	hcs025e07	?	?	0.469263	-0.885597	11.9874	12.0937	-1.07646
7	hcs025e07	?	?	0.165496	-2.14186	11.4645	11.8696	-1.32418
1	hcs025e08	26061	HACL1	0.645909	-0.535452	10.2571	10.208	1.0346
3	hcs025e08	26061	HACL1	0.751881	-0.36222	10.3236	10.3789	-1.0391
5	hcs025e08	26061	HACL1	0.358387	1.18298	10.3675	10.1744	1.14325
7	hcs025e08	26061	HACL1	0.749901	-0.365302	9.9205	9.95365	-1.02324
1	hcs025e09			0.946425	0.0758754	12.2364	12.2437	0.99493
3	hcs025e09			0.811765	-0.27105	12.2933	12.3309	-1.02638
5	hcs025e09			0.782436	-0.315233	12.1465	12.1908	-1.03118
7	hcs025e09			0.0969911	-2.97249	11.8272	12.0664	-1.18028
1	hcs025e10	4130	MAP1A	0.740389	0.38018	10.2951	10.3474	0.964376
5	hcs025e10	4130	MAP1A	0.941089	0.0834574	10.366	10.3626	1.00231
7	hcs025e10	4130	MAP1A	0.282227	1.45787	10.1556	10.0934	1.04402
1	hcs025e11	400073	C12orf76	0.344321	-1.22811	10.4772	10.336	1.10285
3	hcs025e11	400073	C12orf76	0.633586	0.55692	10.3961	10.1055	1.22313
5	hcs025e11	400073	C12orf76	0.36152	1.17321	10.4378	10.3174	1.08701
7	hcs025e11	400073	C12orf76	0.417811	1.01265	10.1697	10.1145	1.03903
1	hcs025e12	482	ATP1B2	0.658339	-0.514119	11.1764	11.1477	1.02012
3	hcs025e12	482	ATP1B2	0.467099	0.890635	11.4745	11.2886	1.13747
5	hcs025e12	482	ATP1B2	0.93732	-0.0888169	11.2451	11.2617	-1.01155
7	hcs025e12	482	ATP1B2	0.90972	0.128199	10.9831	10.9672	1.01108
1	hcs025f01	10239	AP3S2	0.678929	-0.479447	10.297	10.1987	1.07055
3	hcs025f01	10239	AP3S2	0.441824	-0.951377	10.3254	10.6048	-1.21371
5	hcs025f01	10239	AP3S2	0.441154	0.953039	10.0784	9.95367	1.09031
7	hcs025f01	10239	AP3S2	0.367616	1.15448	9.96616	9.6867	1.21374
1	hcs025f02	10857	PGRMC1	0.332813	1.26669	11.3641	11.601	0.848547
3	hcs025f02	10857	PGRMC1	0.578885	-0.656607	11.4648	11.5402	-1.05368
5	hcs025f02	10857	PGRMC1	0.027073	-5.95349	11.506	11.7347	-1.17181
7	hcs025f02	10857	PGRMC1	0.118176	-2.64449	10.9377	11.2409	-1.23382
1	hcs025f03	3842	TNPO1	0.361095	1.17453	10.2917	10.4345	0.905789
3	hcs025f03	3842	TNPO1	0.311358	-1.34311	10.5425	10.7683	-1.16943
5	hcs025f03	3842	TNPO1	0.965077	-0.0494185	10.4957	10.4979	-1.00153
7	hcs025f03	3842	TNPO1	0.877368	0.174746	9.96174	9.93288	1.02021
1	hcs025f04	64978	MRPL38	0.289011	1.42987	10.3671	10.4412	0.949912
3	hcs025f04	64978	MRPL38	0.746223	0.371041	10.8038	10.7771	1.01863

5	hcs025f04	64978	MRPL38	0.278251	-1.47468	10.5259	10.7015	-1.12946
7	hcs025f04	64978	MRPL38	0.747225	-0.369476	10.1601	10.1975	-1.02629
1	hcs025f05	23163	GGA3	0.135157	-2.43619	12.1008	11.8686	1.17462
3	hcs025f05	23163	GGA3	0.0245271	6.26717	12.2363	11.9	1.26254
5	hcs025f05	23163	GGA3	0.019521	7.05209	12.3869	11.9121	1.38973
7	hcs025f05	23163	GGA3	0.0482736	4.38493	11.91	11.6683	1.18236
1	hcs025f06	64150	DIO3OS	0.327001	1.28679	10.7964	11.1208	0.79863
3	hcs025f06	64150	DIO3OS	0.685839	0.467985	11.3017	11.1308	1.12581
5	hcs025f06	64150	DIO3OS	0.344396	1.22786	11.1009	10.867	1.17604
7	hcs025f06	64150	DIO3OS	0.476652	-0.868571	11.0088	11.1178	-1.07846
1	hcs025f07	339287	MSL1	0.0966687	-2.97826	10.5143	10.4062	1.07783
3	hcs025f07	339287	MSL1	0.988569	0.0161675	10.6811	10.6794	1.00119
5	hcs025f07	339287	MSL1	0.109472	2.76834	10.4838	10.3485	1.09834
7	hcs025f07	339287	MSL1	0.928742	-0.101031	9.92259	9.93717	-1.01015
1	hcs025f08	23204	ARL6IP1	0.402874	1.05275	11.0643	11.2109	0.903356
3	hcs025f08	23204	ARL6IP1	0.900246	-0.141781	11.1585	11.1709	-1.00866
5	hcs025f08	23204	ARL6IP1	0.316287	1.32499	11.2882	11.0192	1.20497
7	hcs025f08	23204	ARL6IP1	0.131426	2.47871	10.9383	10.6158	1.25055
1	hcs025f09	3801	KIFC3	0.883781	-0.165479	10.7396	10.7169	1.01584
3	hcs025f09	3801	KIFC3	0.373824	-1.13578	10.7501	10.9039	-1.11247
5	hcs025f09	3801	KIFC3	0.290004	1.42584	10.8134	10.6808	1.09627
7	hcs025f09	3801	KIFC3	0.802919	0.28429	10.358	10.3176	1.02843
1	hcs025f10	?	?	0.222234	1.74993	10.527	11.0066	0.717176
3	hcs025f10	?	?	0.670543	-0.493472	10.7413	10.9015	-1.11739
5	hcs025f10	?	?	0.302319	1.37725	11.0241	10.8482	1.12962
7	hcs025f10	?	?	0.212671	-1.80599	10.5983	10.7057	-1.07729
1	hcs025f11	10313	RTN3	0.791066	-0.302145	10.0754	10.0407	1.02437
3	hcs025f11	10313	RTN3	0.79478	-0.296536	10.2098	10.2866	-1.05471
5	hcs025f11	10313	RTN3	0.178276	2.03917	10.2064	10.0118	1.1444
7	hcs025f11	10313	RTN3	0.237305	1.66772	9.85646	9.65527	1.14965
1	hcs025f12	?	?	0.842817	0.225089	10.3431	10.3641	0.985572
3	hcs025f12	?	?	0.241927	-1.64386	10.3602	10.5628	-1.15082
5	hcs025f12	?	?	0.560078	-0.692783	10.2831	10.422	-1.10107
7	hcs025f12	?	?	0.875256	0.177804	9.99047	9.97684	1.00949
1	hcs025g01	23002	DAAM1	0.31025	-1.34722	9.74803	9.61485	1.09671
3	hcs025g01	23002	DAAM1	0.421918	-1.0019	9.65412	9.92261	-1.20454
5	hcs025g01	23002	DAAM1	0.216033	1.78591	9.77733	9.59946	1.13121
7	hcs025g01	23002	DAAM1	0.758565	0.351849	9.82445	9.74179	1.05897
1	hcs025g02	25999	CLIP3	0.193734	1.92752	10.1772	10.4606	0.821633
3	hcs025g02	25999	CLIP3	0.809617	-0.274259	10.2653	10.3366	-1.05066
5	hcs025g02	25999	CLIP3	0.525046	0.763271	10.6072	10.482	1.09068
7	hcs025g02	25999	CLIP3	0.250272	1.60224	10.3159	10.0732	1.18319
1	hcs025g03	56937	PMEPA1	0.426439	0.990202	10.8717	11.0724	0.870108
3	hcs025g03	56937	PMEPA1	0.665414	0.502116	10.8795	10.7694	1.07933
5	hcs025g03	56937	PMEPA1	0.385599	1.10127	11.1891	11.0453	1.10479
7	hcs025g03	56937	PMEPA1	0.420223	1.00632	10.8935	10.8166	1.05477
1	hcs025g04	8226	HDHD1	0.775892	-0.325208	10.3266	10.3108	1.01099

3	hcs025g04	8226	HDHD1	0.623089	0.575474	10.3997	10.2919	1.07758
5	hcs025g04	8226	HDHD1	0.324197	1.29664	10.4763	10.3443	1.09576
7	hcs025g04	8226	HDHD1	0.4178	1.01268	10.2035	10.0984	1.07556
1	hcs025g05	857	CAV1	0.298885	1.39055	10.3594	10.6284	0.829914
3	hcs025g05	857	CAV1	0.536401	-0.739948	10.6272	10.7169	-1.06412
5	hcs025g05	857	CAV1	0.436101	0.965646	10.8182	10.6724	1.10629
7	hcs025g05	857	CAV1	0.277525	-1.47778	10.1785	10.3057	-1.09213
1	hcs025g06	10490	VTI1B	0.343789	1.22986	10.4548	10.6651	0.864357
5	hcs025g06	10490	VTI1B	0.533995	0.744851	10.8266	10.7301	1.06918
7	hcs025g06	10490	VTI1B	0.260022	1.55581	10.6863	10.596	1.06457
1	hcs025g07	10550	ARL6IP5	0.560742	-0.691487	10.0457	9.96484	1.05765
3	hcs025g07	10550	ARL6IP5	0.764045	-0.343387	10.0732	10.1271	-1.03809
5	hcs025g07	10550	ARL6IP5	0.0969475	2.97327	10.5006	10.1054	1.31509
7	hcs025g07	10550	ARL6IP5	0.554654	0.703422	9.96741	9.86463	1.07384
1	hcs025g08	?	?	0.253937	1.58452	10.2094	10.4464	0.848488
3	hcs025g08	?	?	0.145152	-2.32991	10.7439	11.0389	-1.22691
5	hcs025g08	?	?	0.615259	0.589482	10.497	10.4157	1.05797
7	hcs025g08	?	?	0.43603	0.965825	10.3976	10.2827	1.08286
1	hcs025g09	65003	MRPL11	0.408851	1.03651	10.6267	10.7799	0.899254
3	hcs025g09	65003	MRPL11	0.646314	0.534751	10.7622	10.6886	1.05234
5	hcs025g09	65003	MRPL11	0.507339	0.800633	10.7964	10.7213	1.05341
7	hcs025g09	65003	MRPL11	0.640688	0.544507	10.474	10.4294	1.03135
1	hcs025g10	60558	GUF1	0.749466	0.36598	10.0896	10.1587	0.95321
3	hcs025g10	60558	GUF1	0.423024	-0.999027	10.211	10.3487	-1.10022
5	hcs025g10	60558	GUF1	0.498031	0.820792	10.338	10.214	1.0898
7	hcs025g10	60558	GUF1	0.0903202	3.09764	10.0308	9.94877	1.05853
1	hcs025g11	50632	CALY	0.797101	0.293038	12.8676	12.9034	0.97549
3	hcs025g11	50632	CALY	0.974319	0.0363309	12.7065	12.7037	1.00199
5	hcs025g11	50632	CALY	0.402973	-1.05248	12.8739	13.0258	-1.11103
7	hcs025g11	50632	CALY	0.384743	-1.10374	12.4765	12.6758	-1.14814
1	hcs025g12	64098	PARVG	0.942311	-0.0817205	10.048	10.0415	1.00449
3	hcs025g12	64098	PARVG	0.714623	-0.421094	10.0625	10.1363	-1.05244
5	hcs025g12	64098	PARVG	0.970048	0.0423781	10.0679	10.06	1.00549
7	hcs025g12	64098	PARVG	0.207684	1.83656	9.93175	9.77737	1.11294
1	hcs025h01	8618	CADPS	0.105094	2.83602	9.85467	9.97593	0.919384
3	hcs025h01	8618	CADPS	0.101332	-2.89745	10.2684	10.4542	-1.13744
5	hcs025h01	8618	CADPS	0.208071	-1.83415	10.0645	10.4693	-1.32389
1	hcs025h02	10767	HBS1L	0.513173	0.788185	10.1714	10.3444	0.887004
3	hcs025h02	10767	HBS1L	0.0265197	-6.01785	10.5598	10.7251	-1.12143
5	hcs025h02	10767	HBS1L	0.22043	-1.76026	10.2702	10.4487	-1.13171
7	hcs025h02	10767	HBS1L	0.702808	-0.440182	9.88717	9.94675	-1.04216
1	hcs025h03	653319	KIAA0895L	0.321856	1.30494	10.6939	10.8876	0.874381
3	hcs025h03	653319	KIAA0895L	0.423593	-0.997552	11.1197	11.1739	-1.03826
5	hcs025h03	653319	KIAA0895L	0.213406	-1.80157	10.6558	10.9544	-1.22998
7	hcs025h03	653319	KIAA0895L	0.742843	-0.376331	10.3516	10.4109	-1.04198
1	hcs025h04	10282	BET1	0.212325	1.80808	10.5852	10.823	0.848018
3	hcs025h04	10282	BET1	0.914167	-0.121836	10.9888	11.0115	-1.01584



5	hcs025h04	10282	BET1	0.49854	0.819681	10.7819	10.7021	1.0569
7	hcs025h04	10282	BET1	0.446602	0.939616	10.3542	10.3146	1.02783
1	hcs025h05	23265	EXOC7	0.453894	0.921924	11.0394	11.1806	0.906744
3	hcs025h05	23265	EXOC7	0.962972	0.0524017	11.3074	11.2982	1.00642
5	hcs025h05	23265	EXOC7	0.923723	-0.108187	11.2121	11.2243	-1.00852
7	hcs025h05	23265	EXOC7	0.676337	0.483769	10.8615	10.8347	1.0187
1	hcs025h06	27290	SPINK4	0.623236	0.575213	11.306	11.3591	0.963863
3	hcs025h06	27290	SPINK4	0.807393	0.277585	11.4694	11.413	1.03987
5	hcs025h06	27290	SPINK4	0.847145	0.218739	11.203	11.1691	1.0238
7	hcs025h06	27290	SPINK4	0.83261	0.240113	10.9367	10.9249	1.00821
1	hcs025h07	10227	MFSD10	0.874626	0.178716	12.0546	12.0884	0.976867
3	hcs025h07	10227	MFSD10	0.0458748	4.50668	12.0854	11.9909	1.0677
5	hcs025h07	10227	MFSD10	0.101229	-2.89917	12.0952	12.1639	-1.04875
7	hcs025h07	10227	MFSD10	0.577998	-0.658289	11.487	11.6689	-1.13435
1	hcs025h08	5829	PXN	0.0409162	4.79068	9.80605	10.2133	0.75404
5	hcs025h08	5829	PXN	0.870039	0.185365	10.1777	10.1419	1.02516
1	hcs025h09	8850	KAT2B	0.0362055	5.11169	10.8101	10.9853	0.885645
3	hcs025h09	8850	KAT2B	0.872954	0.181138	10.9821	10.9429	1.02754
5	hcs025h09	8850	KAT2B	0.640963	0.544029	11.0917	11.0216	1.04981
7	hcs025h09	8850	KAT2B	0.683843	0.471287	10.7714	10.6839	1.0625
1	hcs025h10	6253	RTN2	0.226814	1.7242	10.3131	10.4027	0.939783
3	hcs025h10	6253	RTN2	0.74442	-0.373861	10.5658	10.6711	-1.07572
5	hcs025h10	6253	RTN2	0.875844	0.176952	10.5212	10.4821	1.0275
7	hcs025h10	6253	RTN2	0.469454	0.885154	10.2821	10.1232	1.11639
1	hcs025h11	4713	NDUFB7	0.530596	0.751812	11.3253	11.4612	0.910123
3	hcs025h11	4713	NDUFB7	0.743742	0.374923	11.3937	11.2868	1.07691
5	hcs025h11	4713	NDUFB7	0.861927	-0.197153	11.4908	11.528	-1.0261
7	hcs025h11	4713	NDUFB7	0.0598001	3.90356	11.2835	11.2527	1.02155
1	hcs025h12	115294	PCMTD1	0.95645	0.0616474	10.3656	10.3712	0.996103
3	hcs025h12	115294	PCMTD1	0.533596	-0.745666	10.4197	10.5549	-1.09822
5	hcs025h12	115294	PCMTD1	0.736342	-0.386545	10.39	10.4732	-1.05939
7	hcs025h12	115294	PCMTD1	0.129304	2.50365	10.1946	10.0045	1.14085
1	hcs026a01			0.757958	0.352789	11.6121	11.6623	0.96578
3	hcs026a01			0.441846	-0.951325	12.0253	12.1433	-1.08523
5	hcs026a01			0.404677	1.04783	11.7723	11.6637	1.07816
7	hcs026a01			0.872251	0.182157	11.5489	11.5258	1.01616
1	hcs026a02	7485	WRB	0.538661	0.735363	10.9853	11.1196	0.911133
3	hcs026a02	7485	WRB	0.894958	0.149378	11.091	11.0228	1.04838
5	hcs026a02	7485	WRB	0.585249	0.644603	11.135	11.0208	1.0824
7	hcs026a02	7485	WRB	0.379817	1.11806	11.0218	10.7928	1.172
1	hcs026a03	1363	CPE	0.0892026	3.1199	10.409	10.7991	0.763059
3	hcs026a03	1363	CPE	0.850064	-0.214465	10.9953	11.0516	-1.0398
5	hcs026a03	1363	CPE	0.263141	1.54143	10.8785	10.6869	1.14203
7	hcs026a03	1363	CPE	0.445796	0.941593	10.567	10.4455	1.08784
1	hcs026a04	5949	RBP3	0.24243	1.6413	10.5014	10.736	0.849901
3	hcs026a04	5949	RBP3	0.805388	0.280587	10.8929	10.7903	1.07373
5	hcs026a04	5949	RBP3	0.325548	1.29188	10.8553	10.5855	1.20564

7	hcs026a04	5949	RBP3	0.881979	0.168081	10.6522	10.641	1.00779
1	hcs026a05	490	ATP2B1	0.182082	2.0105	13.5832	13.8597	0.82561
3	hcs026a05	490	ATP2B1	0.676261	0.483895	13.681	13.6141	1.04746
5	hcs026a05	490	ATP2B1	0.237793	1.66518	13.9648	13.6093	1.27946
7	hcs026a05	490	ATP2B1	0.0899895	3.10419	13.9593	13.6055	1.27792
1	hcs026a06	6781	STC1	0.223371	1.74348	10.1232	10.41	0.819737
3	hcs026a06	6781	STC1	0.310706	-1.34553	10.5975	10.6951	-1.06999
5	hcs026a06	6781	STC1	0.617204	0.585988	10.4999	10.4378	1.04401
7	hcs026a06	6781	STC1	0.0365211	-5.0883	10.06	10.1222	-1.04405
1	hcs026a07	54681	P4HTM	0.273611	1.49468	10.6786	10.8442	0.891578
3	hcs026a07	54681	P4HTM	0.392055	1.08286	11.1609	11.097	1.04529
5	hcs026a07	54681	P4HTM	0.542713	-0.727187	10.7733	10.9152	-1.10333
7	hcs026a07	54681	P4HTM	0.257022	1.56985	10.5956	10.4996	1.06881
1	hcs026a08	10128	LRPPRC	0.605155	-0.607779	10.5744	10.5507	1.01659
3	hcs026a08	10128	LRPPRC	0.966558	-0.0473211	10.7834	10.7876	-1.00292
5	hcs026a08	10128	LRPPRC	0.598968	-0.61911	10.5524	10.6162	-1.04519
7	hcs026a08	10128	LRPPRC	0.805928	0.279779	10.2769	10.2611	1.01101
1	hcs026a09	10651	MTX2	0.278201	1.47489	10.3976	10.5228	0.916877
3	hcs026a09	10651	MTX2	0.899786	-0.142442	10.5183	10.553	-1.0243
5	hcs026a09	10651	MTX2	0.42491	0.994145	10.581	10.4449	1.09896
7	hcs026a09	10651	MTX2	0.112205	-2.728	10.3566	10.3902	-1.02354
1	hcs026a10	84839	RAX2	0.520902	0.771902	10.1796	10.2371	0.96095
3	hcs026a10	84839	RAX2	0.490817	-0.836677	10.3259	10.515	-1.14011
5	hcs026a10	84839	RAX2	0.64343	0.539744	10.3834	10.3172	1.04693
7	hcs026a10	84839	RAX2	0.277442	1.47814	10.0987	10.0269	1.05109
1	hcs026a11			0.725912	0.403054	9.79476	9.8357	0.972019
3	hcs026a11			0.404268	-1.04894	9.92699	10.0546	-1.09248
5	hcs026a11			0.48224	-0.855875	9.72708	9.87832	-1.11052
7	hcs026a11			0.30541	1.36543	9.57264	9.49244	1.05716
1	hcs026a12			0.254718	1.58079	10.8339	11.1406	0.808508
3	hcs026a12			0.545498	0.7216	11.1043	10.925	1.13233
5	hcs026a12			0.493525	0.830688	11.1427	10.9982	1.10537
7	hcs026a12			0.117729	2.65054	10.9952	10.9358	1.04203
1	hcs026b01	?	?	0.671034	-0.492648	11.7307	11.6569	1.05248
3	hcs026b01	?	?	0.42072	1.00503	11.7409	11.5931	1.10788
5	hcs026b01	?	?	0.164419	2.151	11.7809	11.6521	1.09338
7	hcs026b01	?	?	0.218615	1.77077	11.4858	11.44	1.03228
1	hcs026b02	10237	SLC35B1	0.986222	-0.0194874	11.2717	11.2688	1.00201
3	hcs026b02	10237	SLC35B1	0.884888	0.163882	11.3516	11.3252	1.01847
5	hcs026b02	10237	SLC35B1	0.229792	-1.70783	11.0298	11.19	-1.11747
7	hcs026b02	10237	SLC35B1	0.110756	-2.74921	10.6876	10.9082	-1.16516
1	hcs026b03	6247	RS1	0.26063	1.55299	10.6206	10.7079	0.941304
3	hcs026b03	6247	RS1	0.725673	-0.403434	10.9547	11.0276	-1.05185
5	hcs026b03	6247	RS1	0.882768	0.166942	10.7978	10.7867	1.00772
7	hcs026b03	6247	RS1	0.262029	1.54653	10.7434	10.5385	1.15263
1	hcs026b04	51171	HSD17B14	0.276396	1.48263	10.8162	10.9797	0.892877
3	hcs026b04	51171	HSD17B14	0.427476	0.987538	11.2217	11.1192	1.07363

5	hcs026b04	51171	HSD17B14	0.608	0.602602	11.0906	11.0282	1.04423
7	hcs026b04	51171	HSD17B14	0.124089	2.56745	10.8597	10.6058	1.1924
1	hcs026b05			0.354434	1.19545	10.7647	10.9075	0.905759
3	hcs026b05			0.674324	-0.487133	11.1882	11.2508	-1.04435
5	hcs026b05			0.983339	-0.0235658	10.9445	10.9481	-1.0025
7	hcs026b05			0.54128	-0.730071	10.7336	10.8043	-1.05023
1	hcs026b06	4942	OAT	0.826392	-0.249304	9.95354	9.90855	1.03167
3	hcs026b06	4942	OAT	0.185988	-1.98191	10.3783	10.5691	-1.1414
5	hcs026b06	4942	OAT	0.25804	1.56507	9.92973	9.83878	1.06507
7	hcs026b06	4942	OAT	0.0342049	5.26729	9.67376	9.52584	1.10797
1	hcs026b07	22938	SNW1	0.576332	0.661454	10.2804	10.3773	0.93501
3	hcs026b07	22938	SNW1	0.693173	-0.455909	10.5742	10.6525	-1.0558
5	hcs026b07	22938	SNW1	0.263274	1.54082	10.5825	10.3187	1.20066
7	hcs026b07	22938	SNW1	0.158894	-2.19924	10.0022	10.0251	-1.016
1	hcs026b08	?	?	0.221829	1.75224	10.3671	10.4391	0.95134
3	hcs026b08	?	?	0.307689	-1.35681	10.668	10.7609	-1.06651
5	hcs026b08	?	?	0.90564	-0.134043	10.4532	10.4687	-1.0108
7	hcs026b08	?	?	0.215563	1.78869	10.1564	9.9615	1.14461
1	hcs026b09	23731	C9orf5	0.0174495	-7.47078	9.85453	9.68251	1.12663
3	hcs026b09	23731	C9orf5	0.270905	-1.50654	10.0279	10.2871	-1.19675
5	hcs026b09	23731	C9orf5	0.30607	1.36293	9.8616	9.67163	1.14074
7	hcs026b09	23731	C9orf5	0.720503	0.411675	9.6875	9.60811	1.05657
1	hcs026b10	403	ARL3	0.374205	1.13464	10.2244	10.4149	0.876282
3	hcs026b10	403	ARL3	0.320319	-1.31043	10.3606	10.6638	-1.23388
5	hcs026b10	403	ARL3	0.909348	-0.128731	10.4806	10.5053	-1.01727
7	hcs026b10	403	ARL3	0.625934	0.57042	10.1307	10.0607	1.04968
1	hcs026b11	60677	CELF6	0.442774	0.949029	9.87544	9.98725	0.925424
3	hcs026b11	60677	CELF6	0.111058	-2.74477	10.1383	10.3998	-1.19876
5	hcs026b11	60677	CELF6	0.0402196	-4.83464	9.69342	9.84712	-1.11242
7	hcs026b11	60677	CELF6	0.426055	-0.991193	9.46877	9.57787	-1.07855
1	hcs026b12	?	?	0.194003	1.92569	9.69103	10.083	0.762108
3	hcs026b12	?	?	0.185734	-1.98374	9.84182	10.2113	-1.29193
5	hcs026b12	?	?	0.834751	-0.236954	9.8869	9.92631	-1.02769
1	hcs026c01	?	?	0.387218	1.09662	10.3628	10.4634	0.932667
3	hcs026c01	?	?	0.505212	-0.805206	10.3332	10.5514	-1.16325
5	hcs026c01	?	?	0.358751	1.18184	10.5362	10.376	1.11739
7	hcs026c01	?	?	0.127465	2.52574	10.3536	10.198	1.11388
1	hcs026c02	7533	YWHAH	0.749468	0.365977	10.1995	10.2778	0.947171
3	hcs026c02	7533	YWHAH	0.949211	0.0719199	10.3495	10.3331	1.01146
5	hcs026c02	7533	YWHAH	0.471786	-0.879753	10.1925	10.23	-1.02636
7	hcs026c02	7533	YWHAH	0.0639304	3.76278	10.0769	9.91418	1.11942
1	hcs026c03	1635	DCTD	0.226088	1.72823	10.3531	10.6049	0.839828
3	hcs026c03	1635	DCTD	0.798913	-0.29031	10.8716	10.8989	-1.01913
5	hcs026c03	1635	DCTD	0.728847	-0.398394	10.5902	10.634	-1.03087
7	hcs026c03	1635	DCTD	0.76762	0.337884	10.4086	10.3422	1.04708
1	hcs026c04	58528	RRAGD	0.548786	0.715039	9.76926	9.84583	0.94831
3	hcs026c04	58528	RRAGD	0.339727	-1.24332	10.0121	10.1573	-1.10588

5	hcs026c04	58528	RRAGD	0.552091	-0.708481	9.9172	10.0282	-1.07998
7	hcs026c04	58528	RRAGD	0.593926	0.62842	9.78272	9.73606	1.03287
1	hcs026c05	401397	LOC401397	0.757129	0.354073	10.7305	10.7759	0.968999
3	hcs026c05	401397	LOC401397	0.514271	-0.785857	10.7496	10.968	-1.16339
5	hcs026c05	401397	LOC401397	0.237143	-1.66857	10.8721	11.1819	-1.23948
7	hcs026c05	401397	LOC401397	0.430019	-0.981035	10.3148	10.3969	-1.05856
1	hcs026c06	778	CACNA1F	0.27053	1.5082	10.9271	11.0876	0.894736
3	hcs026c06	778	CACNA1F	0.234747	1.68119	11.2263	11.032	1.1442
5	hcs026c06	778	CACNA1F	0.113195	2.71372	11.1968	10.9092	1.22061
7	hcs026c06	778	CACNA1F	0.517135	-0.779808	10.7527	10.7948	-1.02964
1	hcs026c07			0.750007	0.365137	9.97547	10.0244	0.966676
3	hcs026c07			0.350947	-1.20658	10.1594	10.3743	-1.16066
5	hcs026c07			0.803687	-0.283138	10.2981	10.3241	-1.01822
7	hcs026c07			0.160291	2.18683	9.91647	9.808	1.07809
1	hcs026c08	10049	DNAJB6	0.964116	-0.0507807	10.3408	10.3314	1.00656
3	hcs026c08	10049	DNAJB6	0.683493	0.471867	10.5668	10.5456	1.01483
5	hcs026c08	10049	DNAJB6	0.344184	1.22856	10.2285	10.1618	1.04732
7	hcs026c08	10049	DNAJB6	0.599532	-0.618073	10.1881	10.2301	-1.02955
1	hcs026c09	84709	C4orf49	0.903208	0.13753	10.3039	10.3293	0.982571
3	hcs026c09	84709	C4orf49	0.984181	-0.022374	10.483	10.4848	-1.00123
5	hcs026c09	84709	C4orf49	0.104769	-2.8412	10.3051	10.4928	-1.13897
7	hcs026c09	84709	C4orf49	0.0003929	50.4344	10.1824	10.117	1.04637
1	hcs026c10	4125	MAN2B1	0.897235	-0.146105	10.0311	10.0199	1.00778
3	hcs026c10	4125	MAN2B1	0.0092242	-10.3398	10.2307	10.3864	-1.11394
5	hcs026c10	4125	MAN2B1	0.913864	-0.122269	10.17	10.1826	-1.00874
7	hcs026c10	4125	MAN2B1	0.984197	0.022352	9.90205	9.90005	1.00139
5	hcs026c11	221477	C6orf89	0.432674	-0.974288	14.1426	14.4817	-1.26494
7	hcs026c11	221477	C6orf89	0.0087694	-10.6082	13.2549	14.3066	-2.07288
1	hcs026c12	23394	ADNP	0.329627	1.27765	10.9029	11.1486	0.843387
3	hcs026c12	23394	ADNP	0.450235	0.930765	11.2541	11.0221	1.17446
5	hcs026c12	23394	ADNP	0.269444	1.51301	11.1043	11.0256	1.05607
7	hcs026c12	23394	ADNP	0.520405	0.772943	10.9632	10.9237	1.02773
1	hcs026d01	23524	SRRM2	0.897774	-0.14533	10.9645	10.9342	1.02122
3	hcs026d01	23524	SRRM2	0.740291	-0.380334	10.8906	10.9942	-1.07445
5	hcs026d01	23524	SRRM2	0.308792	1.35267	11.1457	10.9445	1.14968
7	hcs026d01	23524	SRRM2	0.228236	1.71634	10.8671	10.7249	1.10359
1	hcs026d02	100507246	LOC100507	0.369912	-1.14752	12.1489	12.0089	1.10191
3	hcs026d02	100507246	LOC100507	0.580418	0.653704	12.0773	11.932	1.10596
5	hcs026d02	100507246	LOC100507	0.040653	4.80716	12.2013	11.942	1.19695
7	hcs026d02	100507246	LOC100507	0.659296	-0.51249	11.9373	11.9782	-1.02873
1	hcs026d03	?	?	0.478019	0.865451	11.284	11.4219	0.908862
3	hcs026d03	?	?	0.909048	-0.129161	11.546	11.5671	-1.01473
5	hcs026d03	?	?	0.371029	-1.14415	11.433	11.5325	-1.07145
7	hcs026d03	?	?	0.691645	0.458417	11.0353	11.0206	1.01029
1	hcs026d04	80709	AKNA	0.0828963	3.25344	12.8303	13.4088	0.669644
3	hcs026d04	80709	AKNA	0.170926	-2.09695	12.8218	13.2304	-1.32737
5	hcs026d04	80709	AKNA	0.352583	-1.20134	13.2036	13.3801	-1.13009

7	hcs026d04	80709	AKNA	0.0196588	-7.02657	12.2066	13.1458	-1.91751
1	hcs026d05	58473	PLEKHB1	0.0202279	6.924	10.6916	10.8144	0.918425
3	hcs026d05	58473	PLEKHB1	0.698465	0.447252	11.206	11.1378	1.04841
5	hcs026d05	58473	PLEKHB1	0.0874535	3.15555	11.2896	10.7818	1.42185
7	hcs026d05	58473	PLEKHB1	0.0353297	5.1782	10.9111	10.5201	1.3113
1	hcs026d06	10072	DPP3	0.426153	0.990939	10.7306	10.9391	0.865456
3	hcs026d06	10072	DPP3	0.84723	-0.218616	10.9697	11.0387	-1.04899
5	hcs026d06	10072	DPP3	0.222364	1.74919	11.0103	10.6538	1.28029
7	hcs026d06	10072	DPP3	0.611296	-0.596628	10.7584	10.8349	-1.05446
1	hcs026d07	547	KIF1A	0.241108	1.64805	10.498	10.6422	0.904902
3	hcs026d07	547	KIF1A	0.554886	-0.702964	10.8003	10.8639	-1.04509
5	hcs026d07	547	KIF1A	0.901689	0.13971	10.6681	10.6541	1.00975
7	hcs026d07	547	KIF1A	0.250377	1.60173	10.2993	10.0535	1.18576
1	hcs026d08	3429	IFI27	0.155156	2.2332	10.5814	10.6598	0.94713
3	hcs026d08	3429	IFI27	0.560106	-0.692728	10.746	10.8787	-1.09637
5	hcs026d08	3429	IFI27	0.779356	0.319922	10.7526	10.6817	1.05042
7	hcs026d08	3429	IFI27	0.363839	1.16604	10.4883	10.224	1.20103
1	hcs026d10	22924	MAPRE3	0.97454	-0.0360175	9.66084	9.65762	1.00223
5	hcs026d10	22924	MAPRE3	0.276834	-1.48075	9.66109	9.72498	-1.04528
1	hcs026d11	3035	HARS	0.600591	-0.616128	9.78361	9.61655	1.12277
3	hcs026d11	3035	HARS	0.529063	-0.754966	9.81036	9.98991	-1.13253
5	hcs026d11	3035	HARS	0.0536527	4.14152	9.77321	9.54176	1.17402
1	hcs026e01	10485	C1orf61	0.433455	0.972313	10.0121	10.2203	0.865597
3	hcs026e01	10485	C1orf61	0.995229	-0.0067471	10.3499	10.3505	-1.00047
5	hcs026e01	10485	C1orf61	0.0356684	-5.15219	10.1124	10.2614	-1.10883
7	hcs026e01	10485	C1orf61	0.493832	-0.83001	9.87398	10.0969	-1.16713
1	hcs026e02	4084	MXD1	0.508005	0.799204	9.26931	9.87491	0.657198
5	hcs026e03	64598	MOSPD3	0.497777	0.821348	9.97124	9.8466	1.09024
1	hcs026e04	51372	CCDC72	0.365995	1.15943	10.6988	10.8071	0.927702
5	hcs026e04	51372	CCDC72	0.060233	-3.88815	10.8947	11.0295	-1.09797
7	hcs026e04	51372	CCDC72	0.116931	-2.66141	10.699	10.8108	-1.08058
1	hcs026e05	6687	SPG7	0.615324	0.589364	10.7025	10.8212	0.921017
3	hcs026e05	6687	SPG7	0.519935	0.773927	10.9639	10.8237	1.10201
5	hcs026e05	6687	SPG7	0.218398	1.77203	11.1468	10.8267	1.24839
7	hcs026e05	6687	SPG7	0.183301	2.00149	10.6572	10.4974	1.11708
5	hcs026e06	374291	NDUFS7	0.0674062	3.65416	12.5432	12.2889	1.19273
7	hcs026e06	374291	NDUFS7	0.0547499	4.09621	12.256	11.8971	1.28245
1	hcs026e07	50937	CDON	0.756171	-0.355558	10.4412	10.3527	1.06324
3	hcs026e07	50937	CDON	0.420337	-1.00603	10.681	10.8709	-1.14068
5	hcs026e07	50937	CDON	0.263278	1.5408	10.7252	10.5719	1.11208
7	hcs026e07	50937	CDON	0.205223	1.85201	10.3766	10.1611	1.16111
1	hcs026e08	8816	DCAF5	0.835268	0.236193	9.94197	10.0188	0.948165
3	hcs026e08	8816	DCAF5	0.271141	-1.5055	9.40082	9.56425	-1.11994
5	hcs026e08	8816	DCAF5	0.271304	-1.50478	9.21075	9.36563	-1.11332
1	hcs026e09	5063	PAK3	0.786671	0.308802	10.7685	10.8184	0.965981
3	hcs026e09	5063	PAK3	0.510648	0.793555	11.049	10.8631	1.1375
5	hcs026e09	5063	PAK3	0.438379	0.959944	10.8841	10.7729	1.08015

7	hcs026e09	5063	PAK3	0.195577	1.91501	10.8559	10.6742	1.13417
1	hcs026e10	23461	ABCA5	0.861758	-0.197399	10.7861	10.7339	1.03684
3	hcs026e10	23461	ABCA5	0.723821	0.406381	10.6986	10.5739	1.09026
5	hcs026e10	23461	ABCA5	0.497569	0.821802	10.9055	10.7375	1.12355
7	hcs026e10	23461	ABCA5	0.479946	-0.861068	10.3866	10.5071	-1.08709
1	hcs026e11	5496	PPM1G	0.424213	0.995946	10.9034	10.9969	0.937246
3	hcs026e11	5496	PPM1G	0.992847	-0.0101157	10.9378	10.9396	-1.00125
5	hcs026e11	5496	PPM1G	0.239114	1.65831	11.0801	10.8443	1.17759
7	hcs026e11	5496	PPM1G	0.318813	-1.31585	10.4215	10.5086	-1.06226
1	hcs026e12	116986	AGAP2	0.742233	-0.377287	14.1016	14.0291	1.05154
5	hcs026e12	116986	AGAP2	0.637267	0.550473	13.8173	13.6826	1.09784
1	hcs026f01	9939	RBM8A	0.355862	1.19092	10.3678	10.4475	0.946254
3	hcs026f01	9939	RBM8A	0.540243	-0.732165	10.5282	10.6815	-1.11211
5	hcs026f01	9939	RBM8A	0.171195	-2.09478	10.4221	10.5533	-1.0952
7	hcs026f01	9939	RBM8A	0.500012	0.81647	10.2677	10.1308	1.09955
1	hcs026f02	4298	MLLT1	0.990724	-0.0131191	12.3875	12.3842	1.00231
3	hcs026f02	4298	MLLT1	0.329222	1.27906	12.5111	12.0613	1.36585
5	hcs026f02	4298	MLLT1	0.38482	1.10352	12.8629	12.4973	1.28842
7	hcs026f02	4298	MLLT1	0.483631	0.852738	12.3985	12.0399	1.28218
1	hcs026f03	23035	PHLPP2	0.264687	-1.53438	9.97552	9.72667	1.18826
3	hcs026f03	23035	PHLPP2	0.37929	-1.11961	10.0492	10.1175	-1.04843
5	hcs026f03	23035	PHLPP2	0.276664	-1.48147	9.60016	9.86637	-1.20264
7	hcs026f03	23035	PHLPP2	0.514445	-0.785488	9.41796	9.56846	-1.10996
1	hcs026f04	91056	DKFZp761E	0.383062	1.1086	10.4427	10.605	0.8936
3	hcs026f04	91056	DKFZp761E	0.517447	-0.779151	10.8244	10.8755	-1.03603
5	hcs026f04	91056	DKFZp761E	0.637751	0.549628	10.6539	10.6125	1.02906
7	hcs026f04	91056	DKFZp761E	0.78285	0.314604	10.1224	10.0962	1.01835
1	hcs026f05	5414	SEPT4	0.870744	-0.184342	11.3328	11.3133	1.01358
3	hcs026f05	5414	SEPT4	0.380486	1.1161	11.4736	11.3888	1.06057
5	hcs026f05	5414	SEPT4	0.684366	0.470422	11.4618	11.4215	1.02833
7	hcs026f05	5414	SEPT4	0.115116	-2.68653	10.8065	10.9243	-1.0851
1	hcs026f06	?	?	0.189987	1.95346	10.5857	10.7692	0.880584
3	hcs026f06	?	?	0.572902	-0.667998	10.9194	11.0007	-1.05797
5	hcs026f06	?	?	0.193883	1.92651	10.8511	10.6287	1.16662
7	hcs026f06	?	?	0.149992	2.28201	10.5266	10.2567	1.20575
1	hcs026f08	?	?	0.329013	1.27978	9.8912	10.1319	0.84634
3	hcs026f08	?	?	0.513112	-0.788313	10.3596	10.5047	-1.10583
5	hcs026f08	?	?	0.846568	0.219585	10.0989	10.0617	1.02612
7	hcs026f08	?	?	0.105431	2.83066	9.80624	9.60348	1.1509
1	hcs026f09	9789	SPCS2	0.458285	-0.911414	10.2409	10.0547	1.13778
3	hcs026f09	9789	SPCS2	0.389516	1.09005	10.3607	10.2721	1.06334
5	hcs026f09	9789	SPCS2	0.878465	0.17316	9.96356	9.9508	1.00889
7	hcs026f09	9789	SPCS2	0.207973	-1.83476	9.61833	9.88915	-1.2065
1	hcs026f10	91746	YTHDC1	0.50445	-0.80685	11.7501	11.6473	1.07388
3	hcs026f10	91746	YTHDC1	0.37845	1.12208	11.7192	11.4308	1.22131
5	hcs026f10	91746	YTHDC1	0.0399026	4.85502	12.0507	11.6113	1.3561
7	hcs026f10	91746	YTHDC1	0.620766	0.579614	11.4017	11.251	1.11008

1	hcs026f11	143570	XRRA1	0.519808	-0.774194	10.0647	10.0118	1.03734
3	hcs026f11	143570	XRRA1	0.315494	-1.32788	9.9937	10.4575	-1.37917
5	hcs026f11	143570	XRRA1	0.935676	0.0911568	10.1223	10.1036	1.01305
7	hcs026f11	143570	XRRA1	0.452543	0.925179	9.93206	9.88337	1.03432
1	hcs026f12	?	?	0.340887	1.23946	11.6643	11.7945	0.913705
3	hcs026f12	?	?	0.570358	0.672874	11.702	11.5662	1.09865
5	hcs026f12	?	?	0.431099	-0.978285	11.7503	11.8872	-1.09957
7	hcs026f12	?	?	0.145817	-2.32319	11.5219	11.6256	-1.0745
1	hcs026g01	79751	SLC25A22	0.342655	-1.2336	10.0506	9.98983	1.04302
3	hcs026g01	79751	SLC25A22	0.343514	-1.23076	9.8463	10.0825	-1.1779
5	hcs026g01	79751	SLC25A22	0.578637	0.657076	10.0597	9.94454	1.08308
7	hcs026g01	79751	SLC25A22	0.219022	1.7684	9.94789	9.63508	1.24212
1	hcs026g03	79090	TRAPPC6A	0.411149	1.03034	10.2736	10.394	0.919911
3	hcs026g03	79090	TRAPPC6A	0.480327	-0.860205	10.217	10.405	-1.13915
5	hcs026g03	79090	TRAPPC6A	0.662367	0.507274	10.3631	10.3111	1.03665
7	hcs026g03	79090	TRAPPC6A	0.0521521	4.20572	9.99213	9.92983	1.04413
1	hcs026g04	6166	RPL36AL	0.334619	1.26053	11.57	11.6789	0.927295
3	hcs026g04	6166	RPL36AL	0.618986	0.582796	11.5947	11.4963	1.07056
5	hcs026g04	6166	RPL36AL	0.236978	1.66943	11.8527	11.736	1.08425
7	hcs026g04	6166	RPL36AL	0.447661	-0.937029	11.428	11.5132	-1.06086
1	hcs026g05	1209	CLPTM1	0.399414	1.06228	11.1322	11.2859	0.898921
3	hcs026g05	1209	CLPTM1	0.927232	0.103183	11.2871	11.2584	1.02007
5	hcs026g05	1209	CLPTM1	0.476005	0.870052	11.4913	11.3852	1.07626
7	hcs026g05	1209	CLPTM1	0.673151	0.489098	11.1411	11.1246	1.0115
1	hcs026g07	80011	FAM192A	0.969287	0.0434558	11.2067	11.2148	0.994424
3	hcs026g07	80011	FAM192A	0.418063	-1.01199	11.4908	11.636	-1.10583
5	hcs026g07	80011	FAM192A	0.485171	0.849277	11.3249	11.1893	1.0985
7	hcs026g07	80011	FAM192A	0.240366	1.65186	11.13	11.007	1.08902
1	hcs026g08			0.472353	-0.878442	12.4617	12.2004	1.19856
3	hcs026g08			0.0413825	4.76187	12.5781	11.9846	1.50883
5	hcs026g08			0.0978288	2.95764	12.532	11.9308	1.51701
7	hcs026g08			0.0461333	4.49312	12.4664	11.9984	1.38322
1	hcs026g09	6584	SLC22A5	0.778354	0.321451	11.0339	11.1	0.955216
3	hcs026g09	6584	SLC22A5	0.498205	0.820411	11.1537	10.9944	1.11675
5	hcs026g09	6584	SLC22A5	0.118773	2.63647	11.0161	10.8508	1.12137
7	hcs026g09	6584	SLC22A5	0.0180496	7.34218	10.8145	10.7119	1.07373
1	hcs026g10	5317	PKP1	0.504674	0.806368	10.1304	10.2716	0.906744
3	hcs026g10	5317	PKP1	0.533272	-0.746328	10.2895	10.461	-1.12623
5	hcs026g10	5317	PKP1	0.419252	1.00887	10.4298	10.2781	1.11085
7	hcs026g10	5317	PKP1	0.0127403	8.77462	10.2271	10.0545	1.12708
1	hcs026g11	140739	UBE2F	0.448568	0.934817	11.0268	11.1772	0.901021
3	hcs026g11	140739	UBE2F	0.574212	0.665495	11.2056	11.09	1.0834
5	hcs026g11	140739	UBE2F	0.756313	0.355338	11.321	11.2212	1.0716
7	hcs026g11	140739	UBE2F	0.0004556	46.8305	11.0973	11.0009	1.06908
1	hcs026g12	10890	RAB10	0.454807	0.919729	10.4484	10.7093	0.834567
3	hcs026g12	10890	RAB10	0.638978	0.547485	10.9347	10.759	1.12955
5	hcs026g12	10890	RAB10	0.748096	0.368118	10.8603	10.7987	1.04362

7	hcs026g12	10890	RAB10	0.0359861	5.12813	10.6967	10.56	1.09934
1	hcs026h01	8019	BRD3	0.401293	1.05709	10.0623	10.1871	0.917152
3	hcs026h01	8019	BRD3	0.52027	-0.773226	10.2743	10.3748	-1.07214
5	hcs026h01	8019	BRD3	0.486101	-0.847191	10.1443	10.2613	-1.08449
7	hcs026h01	8019	BRD3	0.407058	1.04136	10.0461	9.91286	1.09677
1	hcs026h02	?	?	0.580349	0.653834	10.3428	10.4506	0.928004
3	hcs026h02	?	?	0.275232	-1.48764	10.7716	10.9444	-1.12719
5	hcs026h02	?	?	0.256724	-1.57126	10.393	10.5836	-1.14124
7	hcs026h02	?	?	0.252117	1.59328	10.2413	10.113	1.09297
1	hcs026h03	?	?	0.24477	1.62947	10.439	10.5621	0.918212
3	hcs026h03	?	?	0.908255	-0.130296	10.7992	10.8355	-1.02548
5	hcs026h03	?	?	0.343974	1.22925	10.6099	10.2996	1.23994
7	hcs026h03	?	?	0.489637	0.839299	10.413	10.2589	1.11273
1	hcs026h04	2670	GFAP	0.35361	1.19807	10.7541	10.8943	0.907414
3	hcs026h04	2670	GFAP	0.429744	-0.981736	11.1889	11.2771	-1.06307
5	hcs026h04	2670	GFAP	0.704174	-0.437963	10.8631	10.8962	-1.02321
7	hcs026h04	2670	GFAP	0.456377	0.915968	10.62	10.4642	1.11406
1	hcs026h05	?	?	0.202075	1.87213	10.1769	10.5685	0.762266
3	hcs026h05	?	?	0.970508	-0.0417257	10.8375	10.8393	-1.00123
5	hcs026h05	?	?	0.123836	-2.57064	10.2802	10.5925	-1.24174
7	hcs026h05	?	?	0.401095	-1.05764	10.0888	10.2314	-1.10389
1	hcs026h06	6193	RPS5	0.856015	0.205769	11.4778	11.4952	0.988012
3	hcs026h06	6193	RPS5	0.487112	0.844929	11.4583	11.389	1.04923
5	hcs026h06	6193	RPS5	0.303723	-1.37186	11.448	11.5951	-1.10729
7	hcs026h06	6193	RPS5	0.159516	-2.1937	11.055	11.2617	-1.15405
1	hcs026h07	8804	CREG1	0.696391	0.450639	10.4749	10.5003	0.982578
3	hcs026h07	8804	CREG1	0.439571	-0.956971	11.2302	11.323	-1.06646
5	hcs026h07	8804	CREG1	0.836247	-0.23475	10.593	10.6085	-1.01075
7	hcs026h07	8804	CREG1	0.871062	0.183881	10.0664	10.0474	1.01325
1	hcs026h08	6158	RPL28	0.315995	1.32606	10.6108	10.6952	0.943199
3	hcs026h08	6158	RPL28	0.119461	2.62729	11.0683	10.9604	1.07768
5	hcs026h08	6158	RPL28	0.462644	-0.901085	10.7691	10.8774	-1.07798
7	hcs026h08	6158	RPL28	0.058675	-3.94438	10.3802	10.4471	-1.04746
1	hcs026h09	728855	LOC728855	0.830232	-0.243624	10.5997	10.5754	1.01696
3	hcs026h09	728855	LOC728855	0.202001	1.8726	10.8896	10.7206	1.12425
5	hcs026h09	728855	LOC728855	0.256911	-1.57038	10.7403	10.8131	-1.05178
7	hcs026h09	728855	LOC728855	0.707339	0.432836	10.2911	10.2642	1.01882
1	hcs026h10	311	ANXA11	0.986849	-0.0185993	9.84193	9.83931	1.00182
3	hcs026h10	311	ANXA11	0.253294	-1.5876	10.1095	10.2211	-1.08036
5	hcs026h10	311	ANXA11	0.0104061	-9.72627	9.84058	10.0649	-1.16819
7	hcs026h10	311	ANXA11	0.752855	-0.360705	9.5863	9.64957	-1.04483
1	hcs026h11			0.441676	0.951746	10.5352	10.636	0.932516
3	hcs026h11			0.672721	-0.489818	10.7565	10.8139	-1.04059
5	hcs026h11			0.213508	-1.80095	10.5193	10.6516	-1.09606
7	hcs026h11			0.817177	0.262983	10.098	10.0794	1.01296
1	hcs026h12	4504	MT3	0.619551	0.581785	11.7383	11.8614	0.918191
3	hcs026h12	4504	MT3	0.777738	-0.32239	11.7383	11.807	-1.04882



5	hcs026h12	4504	MT3	0.0115741	-9.21428	11.6942	11.9382	-1.18427
7	hcs026h12	4504	MT3	0.215051	-1.79173	11.4104	11.5879	-1.13097
1	hcs027a01	54737	MPHOSPH	0.761742	0.34694	11.0433	11.0867	0.970388
3	hcs027a01	54737	MPHOSPH	0.867759	-0.188674	11.2832	11.3202	-1.02598
5	hcs027a01	54737	MPHOSPH	0.940772	-0.083908	11.1594	11.1721	-1.00882
7	hcs027a01	54737	MPHOSPH	0.399824	1.06115	10.9805	10.7619	1.16363
1	hcs027a02	51142	CHCHD2	0.498313	-0.820177	12.4094	12.2968	1.0812
3	hcs027a02	51142	CHCHD2	0.429025	0.983573	12.4636	12.3067	1.11491
5	hcs027a02	51142	CHCHD2	0.0341318	5.27322	12.5683	12.4157	1.11155
7	hcs027a02	51142	CHCHD2	0.653498	-0.52239	12.2106	12.2329	-1.01558
1	hcs027a03	?	?	0.740025	0.380753	11.2599	11.3348	0.949408
3	hcs027a03	?	?	0.729464	0.397415	11.3941	11.216	1.13137
5	hcs027a03	?	?	0.278168	1.47504	11.5074	10.951	1.47066
7	hcs027a03	?	?	0.0795204	-3.33108	11.2936	11.3458	-1.03687
1	hcs027a04	25861	DFNB31	0.365868	1.15982	11.2236	11.392	0.889808
3	hcs027a04	25861	DFNB31	0.708042	0.431699	11.6362	11.5435	1.06639
5	hcs027a04	25861	DFNB31	0.793746	-0.298096	11.4161	11.4746	-1.04136
7	hcs027a04	25861	DFNB31	0.5171	0.779883	11.1916	11.1722	1.01351
1	hcs027a05	129285	KLRAQ1	0.732578	0.392486	12.8043	12.8391	0.976145
3	hcs027a05	129285	KLRAQ1	0.459092	-0.909495	12.6311	12.6595	-1.01993
5	hcs027a05	129285	KLRAQ1	0.782419	0.315259	12.7187	12.6856	1.02321
7	hcs027a05	129285	KLRAQ1	0.0330649	-5.36209	12.1244	12.5118	-1.30803
1	hcs027a06	79006	METR	0.669855	0.49463	10.0305	10.2023	0.887734
3	hcs027a06	79006	METR	0.972317	-0.039164	10.521	10.5285	-1.00517
5	hcs027a06	79006	METR	0.420088	1.00668	10.36	10.1949	1.12122
7	hcs027a06	79006	METR	0.0824807	3.26275	10.1612	10.0644	1.06943
1	hcs027a07			0.606988	0.60444	13.1947	13.2474	0.964152
3	hcs027a07			0.369937	1.14745	13.4956	13.3747	1.08744
5	hcs027a07			0.581118	0.65238	13.5287	13.4628	1.04674
7	hcs027a07			0.873609	-0.180189	13.2582	13.299	-1.02866
1	hcs027a08	10474	TADA3	0.333041	1.26591	11.0346	11.2557	0.857911
3	hcs027a08	10474	TADA3	0.368098	1.15302	11.4886	11.2326	1.19419
5	hcs027a08	10474	TADA3	0.104712	2.84211	11.5684	11.2444	1.25177
7	hcs027a08	10474	TADA3	0.105829	2.82439	11.2065	10.9917	1.16057
1	hcs027a09			0.324159	1.29678	10.3615	10.5454	0.88032
3	hcs027a09			0.463065	-0.900094	10.6645	10.8635	-1.14788
5	hcs027a09			0.225927	-1.72913	10.5003	10.6175	-1.0846
7	hcs027a09			0.642638	0.541119	10.5007	10.4296	1.05049
1	hcs027a10	5799	PTPRN2	0.486741	0.845758	9.9077	10.1673	0.835343
3	hcs027a10	5799	PTPRN2	0.246672	-1.61997	10.3133	10.6528	-1.26535
5	hcs027a10	5799	PTPRN2	0.811311	-0.271728	10.2118	10.2791	-1.04775
7	hcs027a10	5799	PTPRN2	0.357961	-1.18431	10.1839	10.1901	-1.0043
1	hcs027a11			0.543084	0.726442	11.3974	11.5034	0.929161
3	hcs027a11			0.204807	1.85464	11.4692	11.4004	1.04887
5	hcs027a11			0.068873	3.61072	11.5676	11.2242	1.2688
7	hcs027a11			0.018738	7.20224	11.2114	10.826	1.30622
1	hcs027a12	?	?	0.607127	0.604188	11.0217	11.1325	0.926053

3	hcs027a12	?	?	0.570977	0.671687	11.286	11.1263	1.11708
5	hcs027a12	?	?	0.824048	0.252777	11.2758	11.2294	1.03268
7	hcs027a12	?	?	0.27866	1.47294	11.1182	10.9602	1.11571
1	hcs027b01	4131	MAP1B	0.707773	-0.432134	9.87439	9.82508	1.03477
3	hcs027b01	4131	MAP1B	0.561539	-0.689933	10.0048	10.2218	-1.16234
5	hcs027b01	4131	MAP1B	0.364228	1.16484	10.3901	10.1071	1.21673
7	hcs027b01	4131	MAP1B	0.499551	0.817475	9.85959	9.77589	1.05974
1	hcs027b02	3150	HMG1	0.592324	-0.631391	10.4003	10.3903	1.00696
3	hcs027b02	3150	HMG1	0.450579	-0.929929	10.4731	10.6025	-1.09381
5	hcs027b02	3150	HMG1	0.0278305	5.86847	10.4813	10.4211	1.04259
7	hcs027b02	3150	HMG1	0.410582	-1.03186	10.1154	10.1981	-1.059
1	hcs027b03	55111	PLEKHJ1	0.770941	-0.332786	10.359	10.3083	1.03577
3	hcs027b03	55111	PLEKHJ1	0.255808	-1.5756	10.3563	10.4931	-1.09949
5	hcs027b03	55111	PLEKHJ1	0.978262	0.030749	10.5018	10.4968	1.00347
7	hcs027b03	55111	PLEKHJ1	0.226811	1.72421	10.2821	10.0487	1.17558
1	hcs027b04	88745	RRP36	0.404131	1.04931	11.0789	11.1814	0.931417
3	hcs027b04	88745	RRP36	0.555754	0.701256	11.2922	11.1887	1.07443
5	hcs027b04	88745	RRP36	0.689344	0.462203	11.2832	11.1963	1.06213
7	hcs027b04	88745	RRP36	0.641741	-0.542676	10.9362	10.9916	-1.03915
1	hcs027b05	3766	KCNJ10	0.313767	1.33421	10.8708	11.0283	0.896556
3	hcs027b05	3766	KCNJ10	0.926555	0.104149	11.1308	11.1076	1.01621
5	hcs027b05	3766	KCNJ10	0.547956	0.716693	11.0195	10.9035	1.08368
7	hcs027b05	3766	KCNJ10	0.451809	0.926953	10.8766	10.8335	1.0303
1	hcs027b07	6747	SSR3	0.0696498	3.58826	11.0494	11.4723	0.745941
3	hcs027b07	6747	SSR3	0.548161	-0.716284	11.2232	11.3694	-1.10663
5	hcs027b07	6747	SSR3	0.883235	0.166267	11.4646	11.4531	1.00803
7	hcs027b07	6747	SSR3	0.21164	-1.81223	10.7332	11.1121	-1.30041
1	hcs027b08	7024	TFCP2	0.917774	-0.11668	9.88329	9.86695	1.01139
3	hcs027b08	7024	TFCP2	0.27492	1.48899	10.4934	10.4472	1.03253
5	hcs027b08	7024	TFCP2	0.481444	-0.857674	10.0759	10.1386	-1.04436
7	hcs027b08	7024	TFCP2	0.894077	0.150645	9.66794	9.64483	1.01615
1	hcs027b09	?	?	0.503862	-0.80812	9.84646	9.73972	1.07679
3	hcs027b09	?	?	0.364675	-1.16347	9.71852	9.9581	-1.18065
5	hcs027b09	?	?	0.773097	0.329484	9.6713	9.61866	1.03717
7	hcs027b09	?	?	0.751276	0.363161	9.60404	9.56575	1.02689
1	hcs027b11	1340	COX6B1	0.736881	0.385697	11.0436	11.0873	0.970186
3	hcs027b11	1340	COX6B1	0.849439	0.21538	10.9159	10.8614	1.0385
5	hcs027b11	1340	COX6B1	0.437008	0.963373	11.1975	11.0845	1.08147
7	hcs027b11	1340	COX6B1	0.693611	0.455191	10.7366	10.7096	1.01891
1	hcs027b12	?	?	0.333149	1.26554	10.5455	10.6904	0.904442
3	hcs027b12	?	?	0.547091	0.718418	10.5261	10.4162	1.07912
5	hcs027b12	?	?	0.576599	0.660946	10.6362	10.5457	1.06479
7	hcs027b12	?	?	0.809603	0.274279	10.3817	10.3705	1.00782
1	hcs027c01	25913	POT1	0.593524	0.629165	9.90413	10.0218	0.921698
3	hcs027c01	25913	POT1	0.315018	-1.32962	10.1193	10.4562	-1.2631
5	hcs027c01	25913	POT1	0.440903	0.95366	10.1661	10.0211	1.10569
7	hcs027c01	25913	POT1	0.85756	-0.203516	9.92605	9.93262	-1.00456

1	hcs027c02	23117	NPIPL3	0.343699	1.23015	10.4239	10.6863	0.83369
3	hcs027c02	23117	NPIPL3	0.748992	-0.366719	10.846	10.9143	-1.0485
5	hcs027c02	23117	NPIPL3	0.340938	1.23929	10.7546	10.4513	1.23396
7	hcs027c02	23117	NPIPL3	0.492201	-0.833612	10.1643	10.3077	-1.10453
1	hcs027c03	10962	MLLT11	0.387134	1.09686	10.4246	10.5947	0.888802
3	hcs027c03	10962	MLLT11	0.779968	-0.318989	10.9403	10.9786	-1.0269
5	hcs027c03	10962	MLLT11	0.41879	1.01008	10.5503	10.4512	1.07111
7	hcs027c03	10962	MLLT11	0.11458	2.69406	10.5665	10.3812	1.13703
1	hcs027c04	5686	PSMA5	0.933757	-0.093888	10.9231	10.9168	1.00438
3	hcs027c04	5686	PSMA5	0.742119	-0.377466	11.1133	11.1526	-1.02762
5	hcs027c04	5686	PSMA5	0.201021	-1.87896	11.1012	11.3227	-1.16592
7	hcs027c04	5686	PSMA5	0.795029	0.296161	10.4785	10.4624	1.01122
1	hcs027c05	84629	TNRC18	0.447663	-0.937025	10.9906	10.8783	1.08094
3	hcs027c05	84629	TNRC18	0.0611176	3.85716	11.2871	10.9828	1.23479
5	hcs027c05	84629	TNRC18	0.160036	2.18908	11.1335	10.8965	1.17857
7	hcs027c05	84629	TNRC18	0.0410291	4.78366	10.6787	10.3996	1.21342
1	hcs027c06	10600	USP16	0.63552	0.553528	10.1923	10.2992	0.928581
3	hcs027c06	10600	USP16	0.317419	-1.32088	10.5346	10.7037	-1.12433
5	hcs027c06	10600	USP16	0.484239	-0.851369	10.4786	10.5352	-1.04001
7	hcs027c06	10600	USP16	0.210303	1.82038	10.2763	10.0389	1.17886
1	hcs027c09	1207	CLNS1A	0.510464	-0.793948	10.3894	10.3056	1.05984
3	hcs027c09	1207	CLNS1A	0.238869	-1.65958	10.5941	10.7236	-1.09386
5	hcs027c09	1207	CLNS1A	0.56964	-0.674254	10.4915	10.5383	-1.03295
7	hcs027c09	1207	CLNS1A	0.950027	0.0707612	10.0102	10.0093	1.0006
1	hcs027c10	25911	DPCD	0.791799	0.301038	10.3396	10.3619	0.984661
3	hcs027c10	25911	DPCD	0.467488	-0.889727	10.4403	10.5148	-1.053
5	hcs027c10	25911	DPCD	0.179183	-2.03226	10.2768	10.4482	-1.12615
7	hcs027c10	25911	DPCD	0.824258	-0.252467	9.94956	9.96455	-1.01045
1	hcs027c11	5145	PDE6A	0.373603	1.13644	10.814	11.0401	0.854923
3	hcs027c11	5145	PDE6A	0.973228	-0.0378752	11.0159	11.0229	-1.00486
5	hcs027c11	5145	PDE6A	0.966511	0.0473874	11.0466	11.0375	1.00633
7	hcs027c11	5145	PDE6A	0.337131	1.25203	10.9192	10.764	1.11355
1	hcs027c12	6746	SSR2	0.496356	0.82446	11.358	11.481	0.918276
3	hcs027c12	6746	SSR2	0.694839	0.453179	11.4688	11.3521	1.0842
5	hcs027c12	6746	SSR2	0.665486	-0.501993	11.4721	11.5494	-1.05504
7	hcs027c12	6746	SSR2	0.358876	-1.18145	11.0692	11.2038	-1.09779
1	hcs027d01	10075	HUWE1	0.791662	0.301244	10.386	10.4225	0.975013
3	hcs027d01	10075	HUWE1	0.66342	-0.505489	10.4193	10.5694	-1.10965
5	hcs027d01	10075	HUWE1	0.0974043	2.96514	10.6823	10.3997	1.21633
7	hcs027d01	10075	HUWE1	0.780308	0.318473	10.3307	10.323	1.00533
1	hcs027d02	?	?	0.261127	1.55069	10.3684	10.4552	0.941609
3	hcs027d02	?	?	0.436962	-0.963487	10.5176	10.6529	-1.0983
5	hcs027d02	?	?	0.412363	1.02709	10.4945	10.4019	1.06631
7	hcs027d02	?	?	0.279223	-1.47054	10.2873	10.3634	-1.05416
1	hcs027d03	147015	DHRS13	0.642623	0.541144	10.2529	10.3195	0.95491
3	hcs027d03	147015	DHRS13	0.590135	-0.635464	10.188	10.3119	-1.08967
5	hcs027d03	147015	DHRS13	0.545616	0.721366	10.1154	10.084	1.02206

1	hcs027d04	4163	MCC	0.545254	-0.722089	10.0172	9.88907	1.09288
3	hcs027d04	4163	MCC	0.178944	-2.03408	9.95691	10.2448	-1.22086
5	hcs027d04	4163	MCC	0.314077	1.33307	9.99239	9.65165	1.26641
7	hcs027d04	4163	MCC	0.784291	0.312414	9.80807	9.73444	1.05236
1	hcs027d05	23621	BACE1	0.350272	1.20875	10.2541	10.3041	0.965936
3	hcs027d05	23621	BACE1	0.254377	-1.58241	10.3438	10.5316	-1.13897
5	hcs027d05	23621	BACE1	0.786965	0.308355	10.42	10.3583	1.04372
7	hcs027d05	23621	BACE1	0.342401	-1.23444	9.97563	10.0369	-1.04339
1	hcs027d07	83849	SYT15	0.708265	0.431339	9.99512	10.1066	0.92564
3	hcs027d07	83849	SYT15	0.783848	-0.313087	10.0416	10.1166	-1.05335
5	hcs027d07	83849	SYT15	0.592968	-0.630196	9.97057	10.081	-1.07957
1	hcs027d08	2752	GLUL	0.465167	-0.895154	10.2599	10.1537	1.07638
3	hcs027d08	2752	GLUL	0.610335	-0.598366	10.3933	10.4788	-1.06106
5	hcs027d08	2752	GLUL	0.70465	-0.437192	10.223	10.2803	-1.04047
7	hcs027d08	2752	GLUL	0.0375702	5.01262	9.92288	9.83397	1.06357
1	hcs027d09	5127	CDK16	0.912367	0.12441	10.6751	10.6777	0.998176
3	hcs027d09	5127	CDK16	0.748362	-0.367702	10.7367	10.81	-1.05214
5	hcs027d09	5127	CDK16	0.451126	0.928605	10.8145	10.7409	1.05234
7	hcs027d09	5127	CDK16	0.32662	-1.28812	10.3943	10.4329	-1.02712
1	hcs027d10	9500	MAGED1	0.328541	1.28142	10.4584	10.6682	0.864677
3	hcs027d10	9500	MAGED1	0.421309	-1.00349	10.3863	10.6388	-1.19131
5	hcs027d10	9500	MAGED1	0.582462	0.649845	10.8018	10.6477	1.11273
7	hcs027d10	9500	MAGED1	0.0329987	-5.36774	10.2077	10.3227	-1.08295
1	hcs027d11	9688	NUP93	0.735721	0.387524	10.4664	10.5263	0.95933
3	hcs027d11	9688	NUP93	0.673719	-0.488146	10.398	10.5358	-1.10028
5	hcs027d11	9688	NUP93	0.902123	-0.139087	10.5254	10.5525	-1.01896
7	hcs027d11	9688	NUP93	0.549285	-0.714048	10.1846	10.2376	-1.03742
1	hcs027d12	54963	UCKL1	0.284345	1.44904	10.9299	11.1313	0.869726
3	hcs027d12	54963	UCKL1	0.706808	0.433696	10.9396	10.835	1.07517
5	hcs027d12	54963	UCKL1	0.370364	-1.14616	11.0086	11.0693	-1.04295
7	hcs027d12	54963	UCKL1	0.0469495	-4.45101	10.8112	10.8863	-1.05341
1	hcs027e01	3188	HNRNPH2	0.523495	0.766493	9.50715	9.98117	0.719956
3	hcs027e01	3188	HNRNPH2	0.437796	0.9614	10.3028	10.0722	1.1733
7	hcs027e01	3188	HNRNPH2	0.270333	-1.50907	9.58454	9.84612	-1.19879
1	hcs027e02	5501	PPP1CC	0.526319	0.760633	10.6123	10.7198	0.928195
3	hcs027e02	5501	PPP1CC	0.523373	-0.766747	10.9108	10.9852	-1.0529
5	hcs027e02	5501	PPP1CC	0.341626	1.237	10.7407	10.6151	1.09101
7	hcs027e02	5501	PPP1CC	0.482718	0.854797	10.4618	10.3492	1.0812
1	hcs027e03	2079	ERH	0.602244	0.613098	11.2207	11.2913	0.95222
3	hcs027e03	2079	ERH	0.769473	0.335038	11.3355	11.3003	1.02465
5	hcs027e03	2079	ERH	0.429511	0.982329	11.2795	11.239	1.02849
7	hcs027e03	2079	ERH	0.50046	0.815496	10.872	10.739	1.0966
1	hcs027e04	84522	JAGN1	0.365496	1.16095	10.6069	10.79	0.880829
3	hcs027e04	84522	JAGN1	0.572719	-0.668349	10.8559	10.8998	-1.03092
5	hcs027e04	84522	JAGN1	0.794853	0.296426	10.5511	10.5038	1.03333
7	hcs027e04	84522	JAGN1	0.053447	4.15016	10.3996	10.2619	1.10018
1	hcs027e05	54039	PCBP3	0.270063	1.51026	11.0476	11.2194	0.887755

3	hcs027e05	54039	PCBP3	0.736822	0.38579	11.47	11.3825	1.06255
5	hcs027e05	54039	PCBP3	0.771808	0.331457	11.2497	11.1922	1.04061
7	hcs027e05	54039	PCBP3	0.573068	-0.66768	11.1438	11.1729	-1.02038
1	hcs027e06	7307	U2AF1	0.434103	-0.970677	11.0416	10.943	1.07076
3	hcs027e06	7307	U2AF1	0.964868	-0.0497153	11.1588	11.1668	-1.00558
5	hcs027e06	7307	U2AF1	0.906538	-0.132757	11.0845	11.1113	-1.01877
7	hcs027e06	7307	U2AF1	0.968668	0.0443324	10.6278	10.6216	1.00431
1	hcs027e07	?	?	0.411634	-1.02904	11.7576	11.71	1.03354
3	hcs027e07	?	?	0.199287	1.8903	11.8066	11.5857	1.16541
5	hcs027e07	?	?	0.345152	1.22538	11.8807	11.7793	1.07281
7	hcs027e07	?	?	0.944876	0.0780753	11.2712	11.2625	1.006
1	hcs027e08	25806	VAX2	0.390725	1.08662	9.9824	10.1284	0.903757
3	hcs027e08	25806	VAX2	0.110882	2.74735	10.4438	10.0679	1.29764
5	hcs027e08	25806	VAX2	0.0810359	-3.29565	10.0923	10.2573	-1.12118
7	hcs027e08	25806	VAX2	0.715036	-0.420432	9.68974	9.76396	-1.05279
1	hcs027e09	3015	H2AFZ	0.0028981	-18.5352	11.329	10.8835	1.36175
3	hcs027e09	3015	H2AFZ	0.657976	0.514738	10.772	10.6906	1.058
5	hcs027e09	3015	H2AFZ	0.809884	0.273859	10.689	10.6561	1.02307
7	hcs027e09	3015	H2AFZ	0.0075296	-11.4591	10.354	10.587	-1.17534
1	hcs027e10	51606	ATP6V1H	0.694231	0.454175	9.54874	9.83482	0.820128
3	hcs027e10	51606	ATP6V1H	0.801834	0.285919	10.2559	10.1554	1.07218
5	hcs027e10	51606	ATP6V1H	0.211468	-1.81328	9.68796	9.98888	-1.23193
1	hcs027e11	53	ACP2	0.0857087	-3.19215	10.6632	10.5956	1.048
3	hcs027e11	53	ACP2	0.719239	-0.413696	10.6244	10.6966	-1.05132
5	hcs027e11	53	ACP2	0.764173	0.34319	10.6277	10.5909	1.02584
7	hcs027e11	53	ACP2	0.121851	2.596	10.2273	10.1114	1.0836
1	hcs027e12			0.45539	0.918331	10.2653	10.4174	0.899939
3	hcs027e12			0.497139	-0.822745	10.4891	10.6726	-1.13566
5	hcs027e12			0.7001	-0.444587	10.33	10.4072	-1.05494
7	hcs027e12			0.0944992	3.01776	10.1088	10.0013	1.07734
1	hcs027f01	51124	IER3IP1	0.237828	1.66499	9.85374	9.98204	0.914909
3	hcs027f01	51124	IER3IP1	0.342218	-1.23504	10.0122	10.2968	-1.21807
5	hcs027f01	51124	IER3IP1	0.528687	0.755741	10.01	9.91691	1.06663
7	hcs027f01	51124	IER3IP1	0.0067990	12.0657	9.83722	9.61617	1.16558
1	hcs027f02	?	?	0.550697	0.711243	10.8908	11.0253	0.910985
3	hcs027f02	?	?	0.248337	1.61173	11.0357	10.8864	1.10903
5	hcs027f02	?	?	0.62705	0.568442	11.0946	11.0411	1.0378
7	hcs027f02	?	?	0.444012	-0.945976	10.7913	10.8334	-1.02959
1	hcs027f03	83855	KLF16	0.215798	1.7873	10.0615	10.4922	0.741898
3	hcs027f03	83855	KLF16	0.516003	-0.782194	10.214	10.4342	-1.16493
5	hcs027f03	83855	KLF16	0.0946275	3.01539	10.5885	10.4119	1.1302
7	hcs027f03	83855	KLF16	0.318717	-1.31619	10.0415	10.3047	-1.20021
1	hcs027f04	?	?	0.340773	1.23984	10.5951	10.7652	0.888802
3	hcs027f04	?	?	0.882659	-0.1671	10.8564	10.8812	-1.01734
5	hcs027f04	?	?	0.294958	1.40599	10.8451	10.7042	1.10254
7	hcs027f04	?	?	0.115013	2.68796	10.5885	10.4708	1.085
1	hcs027f06	5479	PPIB	0.155747	2.22775	11.2374	11.5395	0.811052

3	hcs027f06	5479	PPIB	0.791222	0.30191	11.5029	11.4326	1.04993
5	hcs027f06	5479	PPIB	0.723136	-0.407474	11.6191	11.6574	-1.02695
7	hcs027f06	5479	PPIB	0.698417	-0.44733	10.93	11.0082	-1.05565
1	hcs027f07			0.640795	0.544321	10.3505	10.3928	0.971128
3	hcs027f07			0.706081	-0.434872	10.5509	10.6288	-1.0555
5	hcs027f07			0.707265	0.432956	10.4576	10.3931	1.04572
7	hcs027f07			0.325478	1.29212	10.0093	9.94577	1.04498
1	hcs027f08	5518	PPP2R1A	0.690187	-0.460815	10.7599	10.7119	1.03385
3	hcs027f08	5518	PPP2R1A	0.987446	-0.017756	10.7966	10.8003	-1.00257
5	hcs027f08	5518	PPP2R1A	0.633099	0.557776	10.9	10.8361	1.04529
7	hcs027f08	5518	PPP2R1A	0.0965668	2.98008	10.5522	10.4485	1.07455
1	hcs027f09	3757	KCNH2	0.568412	0.676618	10.2911	10.3442	0.963852
3	hcs027f09	3757	KCNH2	0.601778	-0.613952	10.2684	10.416	-1.10774
5	hcs027f09	3757	KCNH2	0.490296	0.837833	10.3893	10.3225	1.0474
7	hcs027f09	3757	KCNH2	0.409095	1.03585	9.83731	9.78406	1.0376
1	hcs027f10	80856	KIAA1715	0.524201	0.765026	10.0508	10.1884	0.909007
3	hcs027f10	80856	KIAA1715	0.299292	-1.38896	10.156	10.4653	-1.23908
5	hcs027f10	80856	KIAA1715	0.773534	0.328815	10.2367	10.1889	1.03366
7	hcs027f10	80856	KIAA1715	0.937006	0.0892639	9.95147	9.94263	1.00614
5	hcs027f11	2192	FBLN1	0.590071	-0.635585	9.63126	9.75742	-1.09138
7	hcs027f11	2192	FBLN1	0.619817	-0.581311	9.56542	9.68717	-1.08805
1	hcs027f12			0.294277	1.4087	10.3562	10.6943	0.791101
3	hcs027f12			0.0586231	-3.94629	10.5231	10.7453	-1.16654
5	hcs027f12			0.274241	-1.49194	10.2241	10.4048	-1.13338
7	hcs027f12			0.828542	0.246122	10.2491	10.2318	1.01209
1	hcs027g01	550643	LOC550643	0.443346	0.947617	10.4179	10.4662	0.967053
3	hcs027g01	550643	LOC550643	0.466172	-0.892801	10.6093	10.6749	-1.04657
5	hcs027g01	550643	LOC550643	0.265482	-1.53077	10.499	10.5897	-1.06486
7	hcs027g01	550643	LOC550643	0.918102	0.116212	10.2425	10.2296	1.00898
1	hcs027g02	22796	COG2	0.586385	-0.642471	10.1236	10.0681	1.03924
3	hcs027g02	22796	COG2	0.528125	-0.756899	10.279	10.3772	-1.07047
5	hcs027g02	22796	COG2	0.518021	0.777945	10.2522	10.1632	1.0636
7	hcs027g02	22796	COG2	0.143383	-2.34797	9.86609	9.90089	-1.02442
1	hcs027g03	5702	PSMC3	0.599549	-0.618042	10.7895	10.668	1.08787
3	hcs027g03	5702	PSMC3	0.15935	2.19517	10.9254	10.8189	1.07659
5	hcs027g03	5702	PSMC3	0.390164	1.08821	10.8343	10.7452	1.06368
7	hcs027g03	5702	PSMC3	0.710352	-0.427971	10.2135	10.2361	-1.01581
1	hcs027g04	7388	UQCRH	0.721359	0.410309	10.1277	10.245	0.92193
3	hcs027g04	7388	UQCRH	0.6438	-0.539103	10.8369	10.8838	-1.03307
5	hcs027g04	7388	UQCRH	0.0312282	-5.52542	10.3171	10.6162	-1.23044
7	hcs027g04	7388	UQCRH	0.410873	-1.03108	9.94031	10.0495	-1.07864
1	hcs027g05	64772	ENGASE	0.317508	1.32056	10.8906	11.182	0.817109
3	hcs027g05	64772	ENGASE	0.686604	0.466721	11.2979	11.2061	1.06567
5	hcs027g05	64772	ENGASE	0.794386	0.297131	11.2358	11.1938	1.02954
7	hcs027g05	64772	ENGASE	0.320617	1.30937	10.9971	10.8029	1.14404
1	hcs027g06	54807	ZNF586	0.541151	0.730332	10.2275	10.2826	0.96253
3	hcs027g06	54807	ZNF586	0.842524	-0.225519	10.7074	10.7173	-1.00686

5	hcs027g06	54807	ZNF586	0.0945466	-3.01689	10.2204	10.3082	-1.06279
7	hcs027g06	54807	ZNF586	0.945879	0.0766512	9.89208	9.88536	1.00467
1	hcs027g07	?	?	0.412356	1.02711	10.3164	10.4286	0.925197
3	hcs027g07	?	?	0.928726	0.101054	10.7992	10.7875	1.00814
5	hcs027g07	?	?	0.853945	0.208791	10.4903	10.4744	1.01108
7	hcs027g07	?	?	0.553831	-0.705044	9.99238	10.0675	-1.05344
1	hcs027g08	54466	SPIN2A	0.405978	1.04428	10.4697	10.5729	0.930944
3	hcs027g08	54466	SPIN2A	0.763519	-0.344198	10.6609	10.751	-1.06442
5	hcs027g08	54466	SPIN2A	0.525491	0.762349	10.628	10.4718	1.1143
7	hcs027g08	54466	SPIN2A	0.589803	0.636083	10.4485	10.3224	1.0913
1	hcs027g09	23576	DDAH1	0.14077	2.37521	10.2565	10.3279	0.951692
3	hcs027g09	23576	DDAH1	0.905505	0.134237	10.586	10.5715	1.01012
5	hcs027g09	23576	DDAH1	0.304521	1.36881	10.4698	10.343	1.09184
7	hcs027g09	23576	DDAH1	0.456071	0.916699	10.1943	9.98659	1.15481
1	hcs027g10	57595	PDZD4	0.158857	2.19957	10.2127	10.2927	0.946058
3	hcs027g10	57595	PDZD4	0.529087	-0.754916	10.4044	10.5644	-1.11731
5	hcs027g10	57595	PDZD4	0.897665	0.145488	10.4122	10.3831	1.0204
7	hcs027g10	57595	PDZD4	0.280271	1.4661	10.2063	9.98767	1.1636
1	hcs027g11	1889	ECE1	0.535495	-0.741792	10.6889	10.6591	1.02085
3	hcs027g11	1889	ECE1	0.907554	0.131301	10.7688	10.7542	1.01015
5	hcs027g11	1889	ECE1	0.951799	0.0682455	10.7433	10.7378	1.0038
7	hcs027g11	1889	ECE1	0.407333	1.04061	10.2948	10.2362	1.04143
1	hcs027g12	8573	CASK	0.522712	-0.768124	10.234	10.1857	1.03407
3	hcs027g12	8573	CASK	0.27462	-1.49029	10.289	10.4933	-1.1521
5	hcs027g12	8573	CASK	0.0460171	-4.4992	10.0252	10.1829	-1.11547
7	hcs027g12	8573	CASK	0.252815	1.58991	9.94168	9.83978	1.07318
1	hcs027h01	91300	C19orf22	0.555061	0.702619	11.3308	11.4021	0.951758
3	hcs027h01	91300	C19orf22	0.506082	0.803333	11.5497	11.4085	1.1028
5	hcs027h01	91300	C19orf22	0.686533	-0.466839	11.5051	11.55	-1.03164
7	hcs027h01	91300	C19orf22	0.312989	1.33707	11.4303	11.3794	1.03591
1	hcs027h02	64969	MRPS5	0.33907	1.24552	10.6705	10.8331	0.893413
3	hcs027h02	64969	MRPS5	0.962858	-0.0525622	10.4988	10.5083	-1.00662
5	hcs027h02	64969	MRPS5	0.58735	0.640665	10.7925	10.7243	1.04843
7	hcs027h02	64969	MRPS5	0.271071	1.50581	10.6634	10.5436	1.08653
1	hcs027h03			0.317525	1.3205	10.2956	10.4943	0.871335
3	hcs027h03			0.933986	-0.0935621	10.3848	10.413	-1.01977
5	hcs027h03			0.246274	1.62196	10.5747	10.38	1.14446
7	hcs027h03			0.353724	1.1977	10.3033	10.2313	1.05115
1	hcs027h04	26020	LRP10	0.600691	0.615945	10.8048	10.9129	0.927831
3	hcs027h04	26020	LRP10	0.477869	0.865792	11.0141	10.8293	1.13663
5	hcs027h04	26020	LRP10	0.3064	1.36168	11.0843	10.8536	1.17343
7	hcs027h04	26020	LRP10	0.520608	0.772518	10.7703	10.6874	1.05914
1	hcs027h05	57460	PPM1H	0.685101	0.469205	9.91811	10.0215	0.930852
3	hcs027h05	57460	PPM1H	0.637989	0.549212	10.2685	10.1875	1.05775
5	hcs027h05	57460	PPM1H	0.645405	-0.536323	9.95181	10.004	-1.03687
7	hcs027h05	57460	PPM1H	0.429152	0.983247	9.85868	9.68093	1.13112
1	hcs027h06	403	ARL3	0.363308	1.16768	11.1799	11.3431	0.893042

3	hcs027h06	403	ARL3	0.617097	0.58618	11.5304	11.3845	1.10642
5	hcs027h06	403	ARL3	0.128489	2.51338	11.5118	11.3741	1.10015
7	hcs027h06	403	ARL3	0.0375725	5.01246	11.3871	11.3146	1.05149
1	hcs027h07	9304	SNORD22	0.184933	1.98955	10.8242	11.01	0.879182
3	hcs027h07	9304	SNORD22	0.759197	-0.350871	10.8784	10.9582	-1.05687
5	hcs027h07	9304	SNORD22	0.645274	-0.53655	10.9489	11.0751	-1.09142
7	hcs027h07	9304	SNORD22	0.26105	-1.55105	10.667	10.8844	-1.16264
1	hcs027h08	374666	WASH3P	0.237662	1.66586	10.9415	11.0879	0.903502
3	hcs027h08	374666	WASH3P	0.399129	1.06307	11.0094	10.8276	1.1343
5	hcs027h08	374666	WASH3P	0.244546	1.6306	11.1634	10.9015	1.19908
7	hcs027h08	374666	WASH3P	0.01111	9.40806	10.9993	10.7014	1.22935
1	hcs027h09	10668	CGRRF1	0.174156	2.07115	10.1515	10.4156	0.832699
3	hcs027h09	10668	CGRRF1	0.080191	3.31528	10.4078	10.346	1.04382
5	hcs027h09	10668	CGRRF1	0.651287	0.526183	10.3303	10.2228	1.07741
7	hcs027h09	10668	CGRRF1	0.0057788	13.0976	10.1065	9.93013	1.13001
1	hcs027h10	64780	MICAL1	0.418574	1.01064	11.4167	11.5408	0.917555
3	hcs027h10	64780	MICAL1	0.706111	0.434824	11.467	11.3442	1.0889
5	hcs027h10	64780	MICAL1	0.975719	-0.0343487	11.4615	11.4664	-1.0034
7	hcs027h10	64780	MICAL1	0.35065	-1.20754	11.3111	11.3932	-1.05856
1	hcs027h11	9709	HERPUD1	0.537395	0.737929	9.83878	9.88986	0.965213
3	hcs027h11	9709	HERPUD1	0.278181	-1.47498	9.71969	10.0045	-1.21828
5	hcs027h11	9709	HERPUD1	0.915705	-0.119637	9.76937	9.78821	-1.01314
1	hcs027h12	?	?	0.55086	0.710921	10.3777	10.428	0.965758
3	hcs027h12	?	?	0.670995	-0.492714	10.2465	10.298	-1.03632
5	hcs027h12	?	?	0.979551	0.0289257	10.1095	10.103	1.00452
7	hcs027h12	?	?	0.0966535	-2.97853	10.0626	10.2461	-1.13557
1	hcs028a01	?	?	0.394868	1.07494	10.5891	10.8316	0.845299
3	hcs028a01	?	?	0.988651	0.0160505	11.3474	11.3433	1.00288
5	hcs028a01	?	?	0.291903	-1.41818	10.7849	11.1397	-1.27881
7	hcs028a01	?	?	0.287612	-1.43558	10.3733	10.5206	-1.10749
1	hcs028a02	8863	PER3	0.580839	0.652907	11.5482	11.5737	0.98248
3	hcs028a02	8863	PER3	0.930173	0.0989926	11.8345	11.8198	1.01026
5	hcs028a02	8863	PER3	0.177881	-2.04219	11.4251	11.738	-1.2422
7	hcs028a02	8863	PER3	0.19625	-1.91048	11.0475	11.2228	-1.12925
1	hcs028a03	23412	COMMD3	0.220453	1.76013	11.871	12.0033	0.912397
3	hcs028a03	23412	COMMD3	0.658568	0.51373	12.0535	11.9302	1.0892
5	hcs028a03	23412	COMMD3	0.0670515	3.66487	12.1292	11.7448	1.30535
7	hcs028a03	23412	COMMD3	0.203661	1.86194	12.1194	11.819	1.23146
1	hcs028a04	92737	DNER	0.343352	1.2313	11.4693	11.6716	0.869164
3	hcs028a04	92737	DNER	0.550847	0.710947	11.9266	11.6043	1.25029
5	hcs028a04	92737	DNER	0.38085	1.11504	11.6403	11.4336	1.15407
7	hcs028a04	92737	DNER	0.517488	0.779066	11.6043	11.5219	1.0588
1	hcs028a05	114804	RNF157	0.942265	-0.0817861	11.1935	11.1883	1.00361
3	hcs028a05	114804	RNF157	0.512177	0.7903	11.6992	11.4793	1.16465
5	hcs028a05	114804	RNF157	0.166615	-2.13244	11.1409	11.4378	-1.22853
7	hcs028a05	114804	RNF157	0.758607	0.351784	10.6755	10.6348	1.02861
1	hcs028a06	6855	SYP	0.550763	0.711113	11.1041	11.2766	0.887304



3	hcs028a06	6855	SYP	0.483081	0.853978	11.7087	11.6531	1.03924
5	hcs028a06	6855	SYP	0.244533	-1.63067	11.2038	11.3966	-1.14301
7	hcs028a06	6855	SYP	0.90031	0.141688	10.8252	10.7967	1.01995
1	hcs028a07	?	?	0.588426	0.638653	10.5317	10.5813	0.966193
3	hcs028a07	?	?	0.694771	0.45329	11.1419	11.0536	1.06307
5	hcs028a07	?	?	0.14975	-2.28435	10.5819	10.7858	-1.15181
7	hcs028a07	?	?	0.865286	-0.192267	10.0723	10.1128	-1.02842
1	hcs028a08	6396	SEC13	0.913026	-0.123468	11.065	11.0546	1.00723
3	hcs028a08	6396	SEC13	0.783446	0.313697	11.2194	11.1925	1.01882
5	hcs028a08	6396	SEC13	0.390061	-1.08851	11.0949	11.1998	-1.07539
7	hcs028a08	6396	SEC13	0.583145	-0.648559	10.5794	10.6622	-1.05902
1	hcs028a09	10525	HYOU1	0.119414	2.62792	11.3973	11.6882	0.817411
3	hcs028a09	10525	HYOU1	0.557062	0.698686	11.9499	11.7054	1.18468
5	hcs028a09	10525	HYOU1	0.106013	2.82149	11.8182	11.581	1.1787
7	hcs028a09	10525	HYOU1	0.400379	1.05961	11.6268	11.4868	1.10191
1	hcs028a10	?	?	0.421032	-1.00421	10.9991	10.8861	1.08145
3	hcs028a10	?	?	0.385992	1.10014	11.4047	11.2504	1.11283
5	hcs028a10	?	?	0.818804	-0.260563	11.0866	11.1255	-1.02731
7	hcs028a10	?	?	0.325735	1.29122	10.6375	10.5879	1.03498
1	hcs028a11	51201	ZDHHC2	0.0612199	-3.85362	11.1003	10.8634	1.17846
3	hcs028a11	51201	ZDHHC2	0.611414	0.596415	11.3306	11.1884	1.10356
5	hcs028a11	51201	ZDHHC2	0.625841	-0.570586	10.9871	11.0736	-1.06179
7	hcs028a11	51201	ZDHHC2	0.834529	-0.237282	10.3331	10.3609	-1.01948
1	hcs028a12	10659	CELF2	0.58475	-0.645541	10.2019	10.1883	1.0095
3	hcs028a12	10659	CELF2	0.871277	-0.183569	10.6381	10.6749	-1.02585
5	hcs028a12	10659	CELF2	0.246085	-1.62289	10.0442	10.1917	-1.1076
7	hcs028a12	10659	CELF2	0.277509	-1.47785	9.71055	9.79902	-1.06324
1	hcs028b01	342667	STAC2	0.0277991	5.87192	10.1569	10.2719	0.923382
3	hcs028b01	342667	STAC2	0.352425	-1.20185	10.4183	10.6208	-1.15066
5	hcs028b01	342667	STAC2	0.773401	0.329018	10.3012	10.2721	1.0204
7	hcs028b01	342667	STAC2	0.960547	0.0558385	10.0774	10.075	1.00165
1	hcs028b02	379	ARL4D	0.248294	1.61194	11.3282	11.6025	0.826851
3	hcs028b02	379	ARL4D	0.967944	-0.0453578	11.5641	11.5765	-1.00863
5	hcs028b02	379	ARL4D	0.764262	0.343053	11.5384	11.5142	1.01696
7	hcs028b02	379	ARL4D	0.529059	-0.754974	11.5	11.5172	-1.01199
1	hcs028b03			0.295012	1.40578	11.462	11.6051	0.905592
3	hcs028b03			0.598225	0.620478	11.6749	11.6122	1.04444
5	hcs028b03			0.35963	-1.17909	11.5759	11.7417	-1.12179
7	hcs028b03			0.933289	0.0945543	11.093	11.084	1.00628
1	hcs028b04	100507246	LOC1005070	0.756111	-0.35565	11.4362	11.4028	1.02345
3	hcs028b04	100507246	LOC1005070	0.0596316	-3.9096	11.4171	11.5619	-1.10555
5	hcs028b04	100507246	LOC1005070	0.118711	-2.63731	11.2666	11.444	-1.13082
7	hcs028b04	100507246	LOC1005070	0.0054243	-13.5224	10.6692	10.9241	-1.19331
1	hcs028b05	28992	MACROD1	0.291767	-1.41873	12.6776	12.4221	1.19372
3	hcs028b05	28992	MACROD1	0.0582649	3.95955	12.7449	12.3065	1.35516
5	hcs028b05	28992	MACROD1	0.114244	2.69879	12.8083	12.2641	1.45825
7	hcs028b05	28992	MACROD1	0.0524281	4.19371	12.6129	12.1322	1.39539

1	hcs028b06	7277	TUBA4A	0.340334	1.2413	14.7092	14.7503	0.971913
3	hcs028b06	7277	TUBA4A	0.308414	1.35409	14.6706	14.6452	1.01776
5	hcs028b06	7277	TUBA4A	0.438825	-0.958829	14.7723	14.8889	-1.08415
7	hcs028b06	7277	TUBA4A	0.592793	-0.630522	14.6039	14.808	-1.15199
1	hcs028b07	10869	USP19	0.318842	1.31574	10.6484	10.813	0.892197
3	hcs028b07	10869	USP19	0.901232	-0.140366	11.0786	11.101	-1.0156
5	hcs028b07	10869	USP19	0.44149	0.952207	10.825	10.7445	1.05738
7	hcs028b07	10869	USP19	0.959674	0.0570756	10.2502	10.246	1.0029
1	hcs028b08	1783	DYNC1LI2	0.28129	1.46181	10.5854	10.7723	0.878492
3	hcs028b08	1783	DYNC1LI2	0.804617	0.281743	11.029	10.9282	1.07239
5	hcs028b08	1783	DYNC1LI2	0.5546	0.703529	11.024	10.8687	1.11368
7	hcs028b08	1783	DYNC1LI2	0.638338	0.548602	10.828	10.7986	1.02059
1	hcs028b09	23435	TARDBP	0.0998965	2.92175	14.0314	14.1593	0.915142
3	hcs028b09	23435	TARDBP	0.132095	2.47096	14.0315	13.8321	1.14822
5	hcs028b09	23435	TARDBP	0.051072	4.25362	14.2583	13.8129	1.36169
7	hcs028b09	23435	TARDBP	0.0522136	4.20304	14.4108	13.8453	1.4799
1	hcs028b10	5826	ABCD4	0.23529	1.67832	10.9132	11.0273	0.923959
3	hcs028b10	5826	ABCD4	0.976484	-0.0332661	10.9601	10.971	-1.00754
5	hcs028b10	5826	ABCD4	0.580075	0.654353	10.9864	10.8874	1.07103
7	hcs028b10	5826	ABCD4	0.616396	0.587438	10.7619	10.7043	1.04078
1	hcs028b11	10732	TCFL5	0.7801	0.318789	11.1816	11.2275	0.968708
3	hcs028b11	10732	TCFL5	0.814624	-0.266786	11.0015	11.052	-1.03565
5	hcs028b11	10732	TCFL5	0.179168	-2.03238	11.0927	11.216	-1.0892
7	hcs028b11	10732	TCFL5	0.388485	-1.09299	10.7048	10.7882	-1.05956
1	hcs028b12	6726	SRP9	0.226383	1.72659	10.1309	10.254	0.918206
3	hcs028b12	6726	SRP9	0.775785	-0.325371	10.1757	10.2433	-1.04794
5	hcs028b12	6726	SRP9	0.867316	0.189318	10.2075	10.1692	1.02687
7	hcs028b12	6726	SRP9	0.353487	-1.19846	9.77771	9.87346	-1.06862
1	hcs028c01	145226	RDH12	0.0813752	3.28785	12.6914	12.8691	0.884132
3	hcs028c01	145226	RDH12	0.525915	-0.76147	12.7666	12.8626	-1.06876
5	hcs028c01	145226	RDH12	0.212861	-1.80484	12.8754	12.9519	-1.05451
7	hcs028c01	145226	RDH12	0.572442	-0.668878	12.5363	12.7174	-1.13377
1	hcs028c02	10982	MAPRE2	0.361232	1.1741	10.3973	10.84	0.735739
3	hcs028c02	10982	MAPRE2	0.578018	-0.658251	11.0133	11.0813	-1.04829
5	hcs028c02	10982	MAPRE2	0.415202	-1.01954	10.5828	10.7086	-1.09111
7	hcs028c02	10982	MAPRE2	0.405853	-1.04462	10.2676	10.4195	-1.11106
1	hcs028c04			0.557867	0.697107	11.5245	11.6021	0.947633
3	hcs028c04			0.886548	-0.161488	11.8475	11.8582	-1.00744
5	hcs028c04			0.535383	-0.742021	11.6256	11.717	-1.0654
7	hcs028c04			0.623308	0.575085	11.3927	11.33	1.04442
1	hcs028c05	1212	CLTB	0.830788	0.242803	12.1673	12.2056	0.973802
3	hcs028c05	1212	CLTB	0.356654	1.18842	12.3974	12.2205	1.13048
5	hcs028c05	1212	CLTB	0.0687746	3.61359	12.1789	12.0255	1.11221
7	hcs028c05	1212	CLTB	0.285197	1.44551	12.3067	12.1098	1.14623
1	hcs028c06	?	?	0.513411	0.787679	10.8366	11.2136	0.770055
3	hcs028c06	?	?	0.64702	0.533532	11.6507	11.5005	1.10972
5	hcs028c06	?	?	0.633963	-0.556258	11.2341	11.3289	-1.06794

7	hcs028c06	?	?	0.161443	2.17671	10.7615	10.5773	1.1362
1	hcs028c07	26610	ELP4	0.409861	1.03379	10.8479	10.9478	0.933098
3	hcs028c07	26610	ELP4	0.631993	0.559719	11.2813	11.19	1.06531
5	hcs028c07	26610	ELP4	0.741991	0.377667	11.018	10.9806	1.02626
7	hcs028c07	26610	ELP4	0.336529	1.25406	10.839	10.6509	1.13932
1	hcs028c08	84993	UBL7	0.378171	1.12289	11.5079	11.6887	0.882214
3	hcs028c08	84993	UBL7	0.751933	0.362138	11.8261	11.7421	1.05995
5	hcs028c08	84993	UBL7	0.586339	0.642558	11.7278	11.6482	1.05677
7	hcs028c08	84993	UBL7	0.30815	1.35508	11.6423	11.5648	1.05521
1	hcs028c09	8498	RANBP3	0.823767	-0.253194	11.0936	11.0608	1.02297
3	hcs028c09	8498	RANBP3	0.440237	0.955314	11.3474	11.2065	1.10262
5	hcs028c09	8498	RANBP3	0.940132	-0.084818	11.0708	11.0831	-1.00861
7	hcs028c09	8498	RANBP3	0.442962	-0.948564	10.4312	10.5381	-1.07689
1	hcs028c10	55324	ABCF3	0.690215	0.460769	11.5889	11.6168	0.980847
3	hcs028c10	55324	ABCF3	0.711228	0.426558	11.8297	11.7834	1.03266
5	hcs028c10	55324	ABCF3	0.728537	0.398885	11.712	11.6681	1.03092
7	hcs028c10	55324	ABCF3	0.492214	-0.833584	11.4012	11.4252	-1.01675
1	hcs028c11	5956	OPN1LW	0.388614	-1.09263	10.6041	10.4101	1.14396
3	hcs028c11	5956	OPN1LW	0.39172	1.0838	10.6854	10.3883	1.2287
5	hcs028c11	5956	OPN1LW	0.256204	-1.57372	10.4765	10.55	-1.05226
7	hcs028c11	5956	OPN1LW	0.284967	-1.44647	9.95244	10.2222	-1.20564
1	hcs028c12	4211	MEIS1	0.103547	-2.8609	10.516	10.2927	1.16738
3	hcs028c12	4211	MEIS1	0.905939	0.133614	10.8369	10.8042	1.02292
5	hcs028c12	4211	MEIS1	0.0104909	-9.68625	10.0697	10.3792	-1.23926
7	hcs028c12	4211	MEIS1	0.38271	-1.10962	9.81231	10.0453	-1.17526
1	hcs028d01	50863	NTM	0.178823	2.035	10.6514	10.7855	0.911217
3	hcs028d01	50863	NTM	0.756618	-0.354864	10.8702	10.9539	-1.05976
5	hcs028d01	50863	NTM	0.577918	0.65844	10.9363	10.8398	1.06913
7	hcs028d01	50863	NTM	0.0332319	5.3479	10.7856	10.6726	1.08145
1	hcs028d02	22827	PUF60	0.176191	-2.05523	12.8104	12.7253	1.06076
3	hcs028d02	22827	PUF60	0.332172	1.26889	12.6264	12.4684	1.11574
5	hcs028d02	22827	PUF60	0.520337	0.773086	12.8468	12.8024	1.03121
7	hcs028d02	22827	PUF60	0.442985	-0.948509	12.7127	12.7884	-1.05382
1	hcs028d03	2959	GTF2B	0.598239	-0.620453	10.6405	10.5457	1.06795
3	hcs028d03	2959	GTF2B	0.593332	0.629521	10.7733	10.707	1.04705
5	hcs028d03	2959	GTF2B	0.666577	0.500151	10.6637	10.6027	1.04314
7	hcs028d03	2959	GTF2B	0.859511	0.200671	10.1024	10.0761	1.01844
1	hcs028d04	6192	RPS4Y1	0.359034	1.18095	12.183	12.2869	0.930514
3	hcs028d04	6192	RPS4Y1	0.885102	0.163574	12.1845	12.1678	1.01164
5	hcs028d04	6192	RPS4Y1	0.763493	-0.344237	12.3498	12.3912	-1.02914
7	hcs028d04	6192	RPS4Y1	0.416975	-1.01485	11.9241	12.0577	-1.09705
1	hcs028d05	29966	STRN3	0.33552	1.25747	10.8246	10.9034	0.946845
3	hcs028d05	29966	STRN3	0.804931	-0.281273	10.9357	11.0067	-1.05044
5	hcs028d05	29966	STRN3	0.751756	0.362414	11.0118	10.9487	1.04471
7	hcs028d05	29966	STRN3	0.673342	0.488777	10.6305	10.589	1.02921
5	hcs028d06	129787	TMEM18	0.600437	-0.61641	9.27787	9.48049	-1.15079
1	hcs028d07	90809	TMEM55B	0.378938	1.12064	11.451	11.6306	0.882927

3	hcs028d07	90809	TMEM55B	0.822635	0.254873	11.8426	11.7715	1.05054
5	hcs028d07	90809	TMEM55B	0.59515	0.626155	11.704	11.6476	1.03989
7	hcs028d07	90809	TMEM55B	0.856656	-0.204834	11.6548	11.6672	-1.00863
1	hcs028d08	2357	FPR1	0.447371	-0.937737	10.4174	10.3537	1.04514
3	hcs028d08	2357	FPR1	0.599727	-0.617715	10.4671	10.5576	-1.06479
5	hcs028d08	2357	FPR1	0.937842	-0.0880757	10.4179	10.4365	-1.01298
7	hcs028d08	2357	FPR1	0.0168536	7.60518	10.0298	9.93484	1.068
1	hcs028d09	3280	HES1	0.601987	0.613569	10.1589	10.1924	0.977029
3	hcs028d09	3280	HES1	0.503113	-0.809739	10.1977	10.3959	-1.14724
5	hcs028d09	3280	HES1	0.312428	1.33914	10.303	10.137	1.12201
7	hcs028d09	3280	HES1	0.0916537	3.07159	9.83757	9.64133	1.14571
1	hcs028d10	?	?	0.753993	0.358937	10.4036	10.46	0.961639
3	hcs028d10	?	?	0.539451	-0.733766	10.4113	10.5764	-1.12127
5	hcs028d10	?	?	0.693175	0.455906	10.3794	10.293	1.0617
7	hcs028d10	?	?	0.220772	-1.75829	9.95438	9.98593	-1.02211
1	hcs028d11	22838	RNF44	0.502746	0.810534	10.9171	10.9923	0.949232
3	hcs028d11	22838	RNF44	0.874028	-0.179581	10.8503	10.8914	-1.02892
5	hcs028d11	22838	RNF44	0.812097	-0.270554	10.8956	10.9404	-1.03149
7	hcs028d11	22838	RNF44	0.40651	1.04284	10.4395	10.4193	1.0141
1	hcs028d12	10765	KDM5B	0.0407575	4.8006	9.89796	10.2625	0.776743
3	hcs028d12	10765	KDM5B	0.690533	-0.460245	10.1675	10.2374	-1.04959
5	hcs028d12	10765	KDM5B	0.492391	0.833191	10.1939	10.0443	1.10927
7	hcs028d12	10765	KDM5B	0.181819	2.01246	9.90323	9.81817	1.06073
1	hcs028e01	51332	SPTBN5	0.828726	0.245851	11.0448	11.0733	0.980462
3	hcs028e01	51332	SPTBN5	0.685078	-0.469243	11.2392	11.3041	-1.04601
5	hcs028e01	51332	SPTBN5	0.669025	0.496025	11.0813	11.0239	1.04059
7	hcs028e01	51332	SPTBN5	0.190448	1.95023	10.9287	10.7247	1.15186
1	hcs028e02	55206	SBNO1	0.876165	-0.176488	12.3852	12.3647	1.01431
3	hcs028e02	55206	SBNO1	0.301501	-1.3804	12.2675	12.3399	-1.05146
5	hcs028e02	55206	SBNO1	0.765958	0.34044	12.5283	12.4819	1.03271
7	hcs028e02	55206	SBNO1	0.148025	2.30121	12.3282	12.1191	1.15602
1	hcs028e03	81552	VOPP1	0.972434	-0.0389987	11.2314	11.2287	1.00187
3	hcs028e03	81552	VOPP1	0.156919	2.21705	11.7805	11.4131	1.28997
5	hcs028e03	81552	VOPP1	0.448119	-0.935911	11.1367	11.3616	-1.16872
7	hcs028e03	81552	VOPP1	0.223694	-1.74165	10.6675	10.9283	-1.19814
1	hcs028e04	10140	TOB1	0.440285	0.955196	11.0872	11.2444	0.896743
3	hcs028e04	10140	TOB1	0.578816	-0.656736	11.4125	11.5122	-1.0715
5	hcs028e04	10140	TOB1	0.199235	-1.89064	10.6944	11.1471	-1.36857
7	hcs028e04	10140	TOB1	0.389825	-1.08918	10.5581	10.7229	-1.12098
1	hcs028e05	29922	NME7	0.977491	0.0318407	11.4954	11.4987	0.997738
3	hcs028e05	29922	NME7	0.0307345	5.57176	11.898	11.606	1.22434
5	hcs028e05	29922	NME7	0.0275702	5.89729	11.6975	11.4191	1.21285
7	hcs028e05	29922	NME7	0.0738233	3.47347	11.4344	11.1966	1.17922
1	hcs028e06	?	?	0.858808	-0.201696	13.2911	13.2508	1.02833
3	hcs028e06	?	?	0.373894	1.13557	12.9674	12.8951	1.05137
5	hcs028e06	?	?	0.603683	-0.610466	13.3274	13.3898	-1.0442
7	hcs028e06	?	?	0.863608	-0.194707	12.9535	13.0168	-1.04485

1	hcs028e07	126006	PCP2	0.425905	0.991579	11.1748	11.3212	0.903481
3	hcs028e07	126006	PCP2	0.119243	2.63019	11.5628	11.5027	1.04254
5	hcs028e07	126006	PCP2	0.431365	0.977609	11.3817	11.2833	1.07061
7	hcs028e07	126006	PCP2	0.599465	0.618197	11.0478	10.9699	1.05548
1	hcs028e08	348	APOE	0.437179	-0.962944	10.8715	10.7452	1.09152
3	hcs028e08	348	APOE	0.259398	1.55871	11.4749	11.1686	1.23648
5	hcs028e08	348	APOE	0.0361268	-5.11757	10.7106	10.854	-1.10456
7	hcs028e08	348	APOE	0.288419	-1.43228	10.5655	10.7899	-1.16829
1	hcs028e09	5149	PDE6H	0.703177	-0.439582	11.6473	11.5622	1.06074
3	hcs028e09	5149	PDE6H	0.181566	2.01434	12.1834	11.7737	1.32844
5	hcs028e09	5149	PDE6H	0.11736	2.65556	12.0074	11.7582	1.18855
7	hcs028e09	5149	PDE6H	0.0846888	3.21404	11.0997	10.8289	1.20648
1	hcs028e10	79629	OCEL1	0.238855	-1.65965	10.9771	10.9277	1.03481
3	hcs028e10	79629	OCEL1	0.565716	0.681824	11.231	11.1753	1.03936
5	hcs028e10	79629	OCEL1	0.0087022	-10.6497	10.7186	10.8828	-1.12057
7	hcs028e10	79629	OCEL1	0.0468646	-4.45534	10.3968	10.4092	-1.00866
1	hcs028e11	55802	DCP1A	0.736487	-0.386318	10.6777	10.6627	1.01043
3	hcs028e11	55802	DCP1A	0.590672	-0.634464	10.9171	10.9643	-1.03323
5	hcs028e11	55802	DCP1A	0.169013	-2.11255	10.4002	10.6872	-1.22013
7	hcs028e11	55802	DCP1A	0.395891	-1.07208	9.99633	10.0893	-1.0666
1	hcs028e12	79089	TMUB2	0.0787013	-3.35064	10.6754	10.3869	1.22138
3	hcs028e12	79089	TMUB2	0.63572	0.553179	10.6539	10.529	1.09046
5	hcs028e12	79089	TMUB2	0.145317	-2.32824	10.245	10.4982	-1.19182
7	hcs028e12	79089	TMUB2	0.33881	-1.24639	9.88138	10.077	-1.14521
1	hcs028f01	9828	ARHGEF17	0.835988	-0.235132	10.1161	10.0612	1.03881
3	hcs028f01	9828	ARHGEF17	0.12616	-2.54167	9.92037	10.5379	-1.53428
1	hcs028f02	84545	MRPL43	0.381558	1.11298	11.6925	11.8883	0.873109
3	hcs028f02	84545	MRPL43	0.821368	0.256754	12.0591	11.9979	1.04333
5	hcs028f02	84545	MRPL43	0.581948	0.650814	11.9204	11.8676	1.03728
7	hcs028f02	84545	MRPL43	0.909575	0.128406	11.8144	11.803	1.00793
3	hcs028f03	?	?	0.664218	-0.504138	10.2161	10.3606	-1.10535
5	hcs028f03	?	?	0.54183	0.728963	10.189	10.0019	1.13847
7	hcs028f03	?	?	0.831005	-0.242483	9.93901	9.95677	-1.01238
1	hcs028f04	59284	CACNG7	0.339609	1.24372	11.0399	11.3005	0.83476
3	hcs028f04	59284	CACNG7	0.60246	0.612702	11.3638	11.2491	1.08272
5	hcs028f04	59284	CACNG7	0.751437	0.362911	11.2168	11.1506	1.04691
7	hcs028f04	59284	CACNG7	0.0279492	5.85545	11.2233	11.095	1.09303
1	hcs028f05	1375	CPT1B	0.121004	2.60699	10.006	10.1271	0.919467
3	hcs028f05	1375	CPT1B	0.8535	0.209442	10.3088	10.2641	1.03144
5	hcs028f05	1375	CPT1B	0.751869	0.362238	10.2111	10.1191	1.06582
7	hcs028f05	1375	CPT1B	0.0318022	5.47288	10.0804	9.84034	1.18101
1	hcs028f06	2873	GPS1	0.598051	0.620798	11.34	11.4411	0.9323
3	hcs028f06	2873	GPS1	0.405171	1.04648	11.705	11.5022	1.15096
5	hcs028f06	2873	GPS1	0.358178	1.18363	11.6072	11.5118	1.06836
7	hcs028f06	2873	GPS1	0.0993335	2.93142	11.3913	11.3076	1.05971
1	hcs028f07	9296	ATP6V1F	0.537792	-0.737124	11.3467	11.2862	1.04285
3	hcs028f07	9296	ATP6V1F	0.267233	1.52288	11.6836	11.3901	1.22561

5	hcs028f07	9296	ATP6V1F	0.202245	1.87103	11.6572	11.4394	1.16301
7	hcs028f07	9296	ATP6V1F	0.198597	1.89485	11.191	10.9773	1.15969
1	hcs028f08	83892	KCTD10	0.600641	0.616036	11.4425	11.5085	0.955283
3	hcs028f08	83892	KCTD10	0.950677	-0.0698379	11.4392	11.4497	-1.0073
5	hcs028f08	83892	KCTD10	0.984537	0.0218709	11.5415	11.5372	1.00296
7	hcs028f08	83892	KCTD10	0.0568427	-4.01336	11.1517	11.2106	-1.04165
1	hcs028f09	24	ABCA4	0.238553	1.66122	14.8111	15.0392	0.853739
3	hcs028f09	24	ABCA4	0.848778	0.216348	14.7737	14.7162	1.04071
5	hcs028f09	24	ABCA4	0.458214	0.911584	14.9149	14.677	1.17925
7	hcs028f09	24	ABCA4	0.122429	2.58855	14.998	14.4105	1.50268
1	hcs028f10	23457	ABCB9	0.337021	-1.2524	14.0068	13.6467	1.28354
3	hcs028f10	23457	ABCB9	0.204977	1.85356	13.6228	13.275	1.27256
5	hcs028f10	23457	ABCB9	0.165862	2.13876	13.9793	13.3612	1.53485
7	hcs028f10	23457	ABCB9	0.183264	2.00176	13.8313	13.302	1.4432
1	hcs028f11			0.193901	1.92638	12.1022	12.4873	0.765708
3	hcs028f11			0.310308	1.34701	12.2318	12.0669	1.12114
5	hcs028f11			0.792186	0.300453	12.4187	12.3766	1.02956
7	hcs028f11			0.553547	-0.705604	12.0099	12.2306	-1.16527
1	hcs028f12	8446	DUSP11	0.3054	1.36547	10.9422	11.174	0.851592
3	hcs028f12	8446	DUSP11	0.99233	0.0108467	10.8744	10.8718	1.0018
5	hcs028f12	8446	DUSP11	0.829213	-0.245131	10.8791	10.9291	-1.03526
7	hcs028f12	8446	DUSP11	0.684108	-0.470849	10.6047	10.6571	-1.03696
1	hcs028g02	57708	MIER1	0.205428	1.85071	11.167	11.414	0.842647
3	hcs028g02	57708	MIER1	0.58799	0.639469	11.4118	11.338	1.05249
5	hcs028g02	57708	MIER1	0.0925454	-3.05447	11.2941	11.4525	-1.11607
7	hcs028g02	57708	MIER1	0.535459	0.741865	10.9754	10.8913	1.06005
1	hcs028g03	112869	CCDC101	0.835777	0.235443	11.2703	11.3026	0.97786
3	hcs028g03	112869	CCDC101	0.23784	1.66493	11.7667	11.4396	1.25452
5	hcs028g03	112869	CCDC101	0.167743	-2.12304	11.1846	11.5313	-1.27165
7	hcs028g03	112869	CCDC101	0.221061	-1.75664	10.5044	10.7602	-1.19405
1	hcs028g04	8842	PROM1	0.378774	1.12112	10.6856	10.9007	0.861487
3	hcs028g04	8842	PROM1	0.569198	0.675104	11.2738	11.1403	1.09695
5	hcs028g04	8842	PROM1	0.845025	0.221848	11.0017	10.9725	1.02047
7	hcs028g04	8842	PROM1	0.276214	1.48341	11.0547	10.8356	1.16403
1	hcs028g05	51504	TRMT112	0.9386	-0.0869976	12.3575	12.3401	1.01216
3	hcs028g05	51504	TRMT112	0.351232	1.20567	12.5078	12.2381	1.20556
5	hcs028g05	51504	TRMT112	0.441066	0.953257	12.3699	12.3081	1.04379
7	hcs028g05	51504	TRMT112	0.366507	1.15786	12.5394	12.4615	1.05553
1	hcs028g06	22808	MRAS	0.270797	1.50702	11.0385	11.228	0.87693
3	hcs028g06	22808	MRAS	0.445847	0.941467	11.6536	11.5487	1.07539
5	hcs028g06	22808	MRAS	0.924793	0.106661	11.2358	11.2223	1.0094
7	hcs028g06	22808	MRAS	0.385602	1.10126	11.0842	10.9347	1.10913
1	hcs028g07	?	?	0.346608	1.22062	11.3827	11.4351	0.964353
3	hcs028g07	?	?	0.659913	0.511441	11.8463	11.7856	1.043
5	hcs028g07	?	?	0.119207	-2.63068	11.335	11.5936	-1.19629
7	hcs028g07	?	?	0.933248	-0.0946132	10.942	10.9533	-1.00786
1	hcs028g08	1284	COL4A2	0.817017	0.26322	11.4079	11.4257	0.987738

3	hcs028g08	1284	COL4A2	0.283735	1.45158	11.6615	11.5981	1.04493
5	hcs028g08	1284	COL4A2	0.203953	-1.86007	11.3864	11.5644	-1.13126
7	hcs028g08	1284	COL4A2	0.293758	-1.41076	10.9879	11.0832	-1.06829
1	hcs028g09	55651	NHP2	0.473601	0.875567	10.9601	11.1111	0.900626
3	hcs028g09	55651	NHP2	0.446843	0.939026	11.1939	11.1025	1.06543
5	hcs028g09	55651	NHP2	0.677957	-0.481066	11.0524	11.1181	-1.04657
7	hcs028g09	55651	NHP2	0.34543	1.22447	10.6773	10.6191	1.04121
1	hcs028g11	583	BBS2	0.43381	0.971417	11.4068	11.4742	0.954378
3	hcs028g11	583	BBS2	0.85532	0.206783	11.6845	11.6488	1.02505
5	hcs028g11	583	BBS2	0.669455	-0.495302	11.4809	11.5428	-1.04384
7	hcs028g11	583	BBS2	0.816689	0.26371	11.3652	11.3478	1.01209
1	hcs028g12	93436	ARMC6	0.803221	0.283838	11.5803	11.6295	0.966494
3	hcs028g12	93436	ARMC6	0.373923	-1.13548	11.5862	11.6799	-1.0671
5	hcs028g12	93436	ARMC6	0.428405	0.985158	11.5526	11.4287	1.08973
7	hcs028g12	93436	ARMC6	0.144728	2.3342	11.1956	11.011	1.13653
3	hcs028h01	29965	C16orf5	0.85843	-0.202248	10.0066	10.0581	-1.03627
1	hcs028h02	7073	TIAL1	0.422099	1.00143	11.5379	11.6157	0.947523
3	hcs028h02	7073	TIAL1	0.52572	0.761873	11.5885	11.5311	1.04056
5	hcs028h02	7073	TIAL1	0.195503	-1.91551	11.4881	11.7402	-1.19091
7	hcs028h02	7073	TIAL1	0.948812	0.0724864	11.4103	11.3997	1.0074
1	hcs028h03	?	?	0.374937	1.13246	10.6639	11.0464	0.767125
3	hcs028h03	?	?	0.646679	-0.534122	10.9984	11.1382	-1.10178
5	hcs028h03	?	?	0.18253	-2.00718	10.6968	11.0832	-1.30713
7	hcs028h03	?	?	0.450142	-0.930989	10.5578	10.6222	-1.0457
1	hcs028h04	56937	PMEPA1	0.217475	1.77742	10.9045	11.2367	0.794306
3	hcs028h04	56937	PMEPA1	0.433978	0.970991	11.4285	11.3393	1.0638
5	hcs028h04	56937	PMEPA1	0.113223	-2.71333	11.1085	11.3606	-1.19094
7	hcs028h04	56937	PMEPA1	0.844341	-0.222852	10.9176	10.9386	-1.01464
1	hcs028h05			0.734933	-0.388767	11.3745	11.3263	1.034
3	hcs028h05			0.318957	-1.31533	11.2475	11.4307	-1.1354
5	hcs028h05			0.930002	0.0992351	11.2773	11.266	1.00786
7	hcs028h05			0.0422337	-4.71047	10.6366	10.9725	-1.26216
1	hcs028h06	6128	RPL6	0.596066	-0.62446	13.0166	12.9357	1.05765
3	hcs028h06	6128	RPL6	0.926259	-0.104571	12.8859	12.8946	-1.00607
5	hcs028h06	6128	RPL6	0.186422	1.97878	13.0596	13.0068	1.03725
7	hcs028h06	6128	RPL6	0.466393	-0.892286	12.4457	12.6706	-1.16867
1	hcs028h07			0.371966	1.14134	10.5945	10.7886	0.874118
3	hcs028h07			0.559095	0.694703	10.9835	10.8107	1.12724
5	hcs028h07			0.504365	0.807033	10.8361	10.681	1.11347
7	hcs028h07			0.899988	0.142152	10.6022	10.5958	1.00442
1	hcs028h08	60681	FKBP10	0.384769	1.10366	10.1515	10.3376	0.878975
5	hcs028h08	60681	FKBP10	0.0666117	-3.67826	10.0221	10.3174	-1.22709
7	hcs028h08	60681	FKBP10	0.227231	-1.72189	9.83544	10.0676	-1.17463
1	hcs028h09	23295	MGRN1	0.630582	0.562204	10.8448	10.9374	0.937831
3	hcs028h09	23295	MGRN1	0.378998	1.12046	11.2686	11.1238	1.1056
5	hcs028h09	23295	MGRN1	0.265397	-1.53116	10.7702	11.0223	-1.19091
7	hcs028h09	23295	MGRN1	0.321767	-1.30526	10.5412	10.6651	-1.08973

1	hcs028h10	?	?	0.221976	-1.7514	12.0877	11.6496	1.35485
3	hcs028h10	?	?	0.568805	0.675862	11.5935	11.4611	1.09606
5	hcs028h10	?	?	0.108143	2.78848	12.0849	11.4547	1.54782
7	hcs028h10	?	?	0.263968	1.53765	11.5507	11.2181	1.25931
1	hcs028h11	25942	SIN3A	0.167064	-2.12869	10.259	10.046	1.15908
3	hcs028h11	25942	SIN3A	0.24957	1.60567	10.3088	10.1385	1.12529
5	hcs028h11	25942	SIN3A	0.95168	0.0684146	10.1811	10.1769	1.00294
7	hcs028h11	25942	SIN3A	0.333454	-1.2645	9.7665	9.89054	-1.08978
3	hcs029a01	?	?	0.2561	-1.57421	9.57779	9.99573	-1.33602
7	hcs029a01	?	?	0.677622	0.481625	9.63648	9.50502	1.0954
1	hcs029a02	79784	MYH14	0.439054	0.958259	9.68128	9.83546	0.898641
3	hcs029a02	79784	MYH14	0.45227	-0.925838	9.75183	9.95712	-1.15292
5	hcs029a02	79784	MYH14	0.27911	-1.47103	9.77659	9.85707	-1.05737
7	hcs029a02	79784	MYH14	0.351396	1.20514	9.60257	9.50305	1.07142
1	hcs029a03	9746	CLSTN3	0.496051	0.825128	11.7068	11.867	0.894901
3	hcs029a03	9746	CLSTN3	0.477161	0.867408	11.8086	11.5773	1.17387
5	hcs029a03	9746	CLSTN3	0.980464	0.0276332	12.0102	12.0078	1.00166
7	hcs029a03	9746	CLSTN3	0.954786	0.0640072	11.6908	11.6834	1.00514
1	hcs029a04	?	?	0.789684	-0.304237	10.6471	10.6136	1.02352
3	hcs029a04	?	?	0.914025	0.122038	10.7478	10.7111	1.02572
5	hcs029a04	?	?	0.786744	-0.30869	10.8032	10.8555	-1.03694
7	hcs029a04	?	?	0.686044	0.467646	10.5839	10.5675	1.01143
1	hcs029a05	27034	ACAD8	0.498984	0.818712	10.0937	10.1579	0.956473
3	hcs029a05	27034	ACAD8	0.628881	-0.565205	10.2255	10.3768	-1.11052
5	hcs029a05	27034	ACAD8	0.45627	0.916223	10.2839	10.1455	1.10066
7	hcs029a05	27034	ACAD8	0.302027	1.37837	10.1406	9.94673	1.14381
1	hcs029a06	27098	CLUL1	0.0568398	4.01347	10.7715	11.2242	0.730657
3	hcs029a06	27098	CLUL1	0.607729	0.603094	11.1287	10.9865	1.10356
5	hcs029a06	27098	CLUL1	0.0524768	4.1916	11.3825	11.0078	1.2966
7	hcs029a06	27098	CLUL1	0.0377274	5.00155	10.9994	10.5863	1.33154
1	hcs029a07			0.304347	1.36948	10.1151	10.2717	0.897158
3	hcs029a07			0.699616	-0.445375	10.195	10.3307	-1.09866
5	hcs029a07			0.485085	0.849469	10.4263	10.2879	1.10066
7	hcs029a07			0.306595	1.36094	10.2099	9.88013	1.25684
1	hcs029a08	?	?	0.610556	0.597965	9.81113	9.85204	0.97204
3	hcs029a08	?	?	0.396981	-1.06904	10.0275	10.2209	-1.14348
5	hcs029a08	?	?	0.543555	-0.725495	9.84874	9.94846	-1.07156
7	hcs029a08	?	?	0.139306	2.39079	9.68922	9.576	1.08164
1	hcs029a09	388759	C1orf229	0.879559	0.171578	10.5942	10.6505	0.96175
3	hcs029a09	388759	C1orf229	0.658897	0.51317	10.8406	10.7135	1.09205
5	hcs029a09	388759	C1orf229	0.430958	0.978643	10.7735	10.6282	1.10599
7	hcs029a09	388759	C1orf229	0.240053	-1.65347	10.1101	10.3705	-1.19779
1	hcs029a10	54951	COMMD8	0.450104	0.931082	10.5236	10.6011	0.947698
3	hcs029a10	54951	COMMD8	0.899114	0.143406	10.717	10.671	1.03239
5	hcs029a10	54951	COMMD8	0.771775	0.331508	10.683	10.6175	1.0464
7	hcs029a10	54951	COMMD8	0.350355	1.20849	10.6434	10.5034	1.10193
1	hcs029a11	346887	LOC346887	0.151462	2.26788	10.6889	11.0016	0.805133



3	hcs029a11	346887	LOC346887	0.741059	-0.379129	10.7648	10.818	-1.03759
5	hcs029a11	346887	LOC346887	0.630178	0.562917	10.925	10.8428	1.05863
7	hcs029a11	346887	LOC346887	0.148953	2.29211	10.6065	10.5427	1.04519
1	hcs029a12	22853	LMTK2	0.361326	1.17381	10.6341	10.9956	0.778355
3	hcs029a12	22853	LMTK2	0.67755	0.481744	10.822	10.6929	1.09367
5	hcs029a12	22853	LMTK2	0.893549	0.151404	10.8042	10.7757	1.01993
7	hcs029a12	22853	LMTK2	0.552967	0.706749	10.7407	10.6791	1.04357
1	hcs029b01	343035	RD3	0.348193	1.21547	9.80975	9.93372	0.917657
3	hcs029b01	343035	RD3	0.170923	-2.09697	9.98543	10.1964	-1.15746
5	hcs029b01	343035	RD3	0.0021876	-21.3452	9.7874	10.0019	-1.1603
7	hcs029b01	343035	RD3	0.156614	2.21982	9.95097	9.75973	1.14174
1	hcs029b02	9734	HDAC9	0.568858	0.675759	9.5301	9.6669	0.909532
3	hcs029b02	9734	HDAC9	0.743917	-0.374648	10.0169	10.0329	-1.01115
5	hcs029b02	9734	HDAC9	0.464104	-0.897651	9.52139	9.63016	-1.0783
7	hcs029b02	9734	HDAC9	0.373236	1.13753	9.73403	9.64787	1.06154
1	hcs029b03	10856	RUVBL2	0.576481	0.661172	11.2479	11.3293	0.945162
3	hcs029b03	10856	RUVBL2	0.826439	0.249234	11.293	11.2116	1.05802
5	hcs029b03	10856	RUVBL2	0.175328	2.06195	11.4147	10.9057	1.4231
7	hcs029b03	10856	RUVBL2	0.245986	1.62339	11.2575	10.9667	1.22332
1	hcs029b04	1119	CHKA	0.342911	1.23275	11.194	11.4239	0.852694
3	hcs029b04	1119	CHKA	0.721213	0.41054	11.3948	11.3249	1.0496
5	hcs029b04	1119	CHKA	0.117959	2.64742	11.6408	11.1685	1.38735
7	hcs029b04	1119	CHKA	0.193155	1.93149	11.244	11.0874	1.11463
1	hcs029b05	2885	GRB2	0.423924	0.996695	10.4244	10.6284	0.86816
3	hcs029b05	2885	GRB2	0.822004	0.255809	10.7652	10.7215	1.03073
5	hcs029b05	2885	GRB2	0.372173	1.14072	10.7626	10.6348	1.09258
7	hcs029b05	2885	GRB2	0.485547	0.848433	10.2283	10.1619	1.04708
1	hcs029b06	513	ATP5D	0.274491	1.49085	10.7722	10.9137	0.906597
3	hcs029b06	513	ATP5D	0.749858	0.36537	11.1777	11.0739	1.07458
5	hcs029b06	513	ATP5D	0.601221	0.614972	10.904	10.7871	1.0844
7	hcs029b06	513	ATP5D	0.758129	0.352525	10.5477	10.5231	1.01717
1	hcs029b07	?	?	0.516055	-0.782085	10.6746	10.6267	1.03377
3	hcs029b07	?	?	0.579702	0.65506	11.0398	10.9235	1.08393
5	hcs029b07	?	?	0.790062	0.303665	10.6997	10.6751	1.0172
7	hcs029b07	?	?	0.398306	1.06535	10.3628	10.2037	1.11655
1	hcs029b08	51268	PIPOX	0.856205	0.205493	9.41715	9.43682	0.986458
3	hcs029b08	51268	PIPOX	0.893627	-0.151292	10.1002	10.1339	-1.0236
5	hcs029b08	51268	PIPOX	0.34541	-1.22454	9.04366	9.201	-1.11523
1	hcs029b09			0.98039	0.0277377	9.9189	9.92663	0.994659
3	hcs029b09			0.779034	0.320413	10.1876	10.1211	1.04718
5	hcs029b09			0.48902	-0.84067	10.2412	10.3032	-1.04393
7	hcs029b09			0.863696	-0.19458	9.64458	9.67658	-1.02243
1	hcs029b10	?	?	0.732006	0.39339	10.0396	10.1407	0.932343
3	hcs029b10	?	?	0.333277	-1.2651	10.0723	10.5766	-1.41844
5	hcs029b10	?	?	0.76336	0.344443	10.3077	10.2569	1.03589
7	hcs029b10	?	?	0.498468	0.819838	10.034	9.80116	1.17512
1	hcs029b12	?	?	0.920391	0.112942	10.6997	10.7152	0.989313

3	hcs029b12	?	?	0.866791	0.190081	10.8106	10.7656	1.03168
5	hcs029b12	?	?	0.934076	-0.093434	10.7258	10.7471	-1.01487
7	hcs029b12	?	?	0.0824639	3.26313	10.3796	10.3328	1.03299
1	hcs029c01			0.538591	0.735506	10.2743	10.4522	0.884009
3	hcs029c01			0.275097	-1.48823	10.326	10.5332	-1.15444
5	hcs029c01			0.4872	0.844731	10.4953	10.4347	1.04292
7	hcs029c01			0.18469	1.99132	10.0629	9.90293	1.11728
1	hcs029c02	?	?	0.338365	1.24788	10.2305	10.3496	0.920783
3	hcs029c02	?	?	0.581375	-0.651896	10.1963	10.4093	-1.15916
5	hcs029c02	?	?	0.572555	0.668662	10.4665	10.3824	1.06005
7	hcs029c02	?	?	0.338499	1.24743	9.9457	9.91281	1.02306
1	hcs029c03	?	?	0.389307	1.09065	10.4025	10.5541	0.900231
3	hcs029c03	?	?	0.231761	-1.69715	10.5661	10.7221	-1.11419
5	hcs029c03	?	?	0.628979	0.565032	10.7531	10.6322	1.08739
7	hcs029c03	?	?	0.166276	2.13528	10.4432	10.1989	1.18455
1	hcs029c04	?	?	0.306001	1.36319	10.842	11.0342	0.87529
3	hcs029c04	?	?	0.227749	-1.71902	11.2277	11.3577	-1.09429
5	hcs029c04	?	?	0.376666	1.12734	11.2049	11.0014	1.15154
7	hcs029c04	?	?	0.180414	2.02297	11.0436	10.9627	1.0577
1	hcs029c05	29941	PKN3	0.897282	0.146037	10.6386	10.6497	0.992358
3	hcs029c05	29941	PKN3	0.908592	0.129814	10.7409	10.7175	1.01633
5	hcs029c05	29941	PKN3	0.889501	0.157232	10.7552	10.7263	1.02021
7	hcs029c05	29941	PKN3	0.508887	0.797315	10.4826	10.3856	1.0695
1	hcs029c08	4240	MFGE8	0.43011	0.980803	10.5946	10.7826	0.877822
3	hcs029c08	4240	MFGE8	0.688811	0.46308	11.0323	10.9821	1.03541
5	hcs029c08	4240	MFGE8	0.265329	1.53146	11.1139	10.9045	1.15626
7	hcs029c08	4240	MFGE8	0.127099	2.53018	10.7542	10.42	1.26071
1	hcs029c09	57101	ANO2	0.276471	1.4823	10.0159	10.1267	0.926091
3	hcs029c09	57101	ANO2	0.602844	-0.612	10.2917	10.402	-1.07945
5	hcs029c09	57101	ANO2	0.330386	1.27503	10.0468	9.9048	1.10343
7	hcs029c09	57101	ANO2	0.584464	0.646078	9.94199	9.88267	1.04197
1	hcs029c10	51659	GINS2	0.614932	-0.590069	10.1495	10.0708	1.05607
3	hcs029c10	51659	GINS2	0.552231	-0.708206	10.2757	10.4165	-1.10252
5	hcs029c10	51659	GINS2	0.0946188	-3.01555	10.0758	10.2383	-1.11925
7	hcs029c10	51659	GINS2	0.21344	-1.80136	9.71249	9.85295	-1.10226
1	hcs029c11	80161	ASMTL-AS10	0.796387	0.294114	11.4914	11.5391	0.967478
3	hcs029c11	80161	ASMTL-AS10	0.378595	1.12165	11.807	11.5177	1.2221
5	hcs029c11	80161	ASMTL-AS10	0.42102	1.00424	11.9342	11.6598	1.20952
7	hcs029c11	80161	ASMTL-AS10	0.320869	1.30847	11.6323	11.3042	1.25539
1	hcs029c12	64110	MAGEF1	0.107239	2.80237	11.3727	11.5346	0.893826
3	hcs029c12	64110	MAGEF1	0.493649	0.830414	11.1603	11.0491	1.08018
5	hcs029c12	64110	MAGEF1	0.16113	2.17945	11.629	11.3554	1.20882
7	hcs029c12	64110	MAGEF1	0.0724004	3.51153	11.3141	11.0381	1.21083
1	hcs029d01	?	?	0.24401	1.6333	10.5333	10.9716	0.737987
3	hcs029d01	?	?	0.872856	0.18128	10.8118	10.7361	1.05387
5	hcs029d01	?	?	0.391	1.08584	10.9131	10.6889	1.16816
7	hcs029d01	?	?	0.304747	1.36795	10.9787	10.5595	1.33717

1	hcs029d02	55608	ANKRD10	0.335781	1.25659	10.1828	10.4906	0.807892
3	hcs029d02	55608	ANKRD10	0.258641	1.56225	10.9225	10.8273	1.06821
5	hcs029d02	55608	ANKRD10	0.293761	-1.41075	10.623	10.7334	-1.07955
7	hcs029d02	55608	ANKRD10	0.232823	1.69145	10.2603	10.1164	1.10488
1	hcs029d03			0.356482	1.18897	10.191	10.3363	0.904191
3	hcs029d03			0.175256	-2.06252	10.3131	10.6405	-1.25469
5	hcs029d03			0.87517	0.177928	10.3815	10.3599	1.0151
7	hcs029d03			0.663829	0.504795	10.1625	10.0613	1.07267
1	hcs029d04	84254	CAMKK1	0.212666	1.80602	10.6536	10.9103	0.837019
3	hcs029d04	84254	CAMKK1	0.495738	-0.825816	10.9069	10.9776	-1.05018
5	hcs029d04	84254	CAMKK1	0.603695	0.610444	10.6981	10.6317	1.04708
7	hcs029d04	84254	CAMKK1	0.551951	0.708759	10.4737	10.3838	1.06432
1	hcs029d05			0.349144	1.21239	10.5863	10.6819	0.935861
3	hcs029d05			0.26563	1.5301	10.6849	10.6233	1.04362
5	hcs029d05			0.270338	1.50905	10.8669	10.6351	1.17435
7	hcs029d05			0.259901	1.55637	10.6388	10.3452	1.2257
1	hcs029d06	1107	CHD3	0.930692	0.0982531	11.7393	11.7508	0.992083
3	hcs029d06	1107	CHD3	0.824127	0.25266	11.8059	11.77	1.0252
5	hcs029d06	1107	CHD3	0.841543	0.226959	11.8346	11.7964	1.02686
7	hcs029d06	1107	CHD3	0.251857	-1.59454	11.1448	11.3605	-1.16129
1	hcs029d07	6015	RING1	0.697256	-0.449225	12.6216	12.5516	1.04969
3	hcs029d07	6015	RING1	0.573397	0.667051	12.4697	12.4244	1.03187
5	hcs029d07	6015	RING1	0.977023	-0.0325035	12.7825	12.7883	-1.00403
7	hcs029d07	6015	RING1	0.306246	-1.36226	12.1496	12.4435	-1.22589
1	hcs029d08	57595	PDZD4	0.259038	1.5604	10.6343	10.8084	0.8863
3	hcs029d08	57595	PDZD4	0.987604	0.0175323	10.9625	10.9596	1.00201
5	hcs029d08	57595	PDZD4	0.349008	1.21283	10.9054	10.7828	1.08864
7	hcs029d08	57595	PDZD4	0.314771	1.33053	10.4839	10.3885	1.06836
1	hcs029d09	407	ARR3	0.417459	1.01358	10.0104	10.0755	0.955859
3	hcs029d09	407	ARR3	0.0715158	-3.53574	10.2773	10.4861	-1.15567
5	hcs029d09	407	ARR3	0.0661289	-3.69311	10.1103	10.2287	-1.08549
7	hcs029d09	407	ARR3	0.161499	2.17622	9.83171	9.72457	1.07709
1	hcs029d10	51626	DYNC2LI1	0.64416	0.538479	9.35625	9.67806	0.800066
3	hcs029d10	51626	DYNC2LI1	0.478923	0.863392	10.2383	10.1859	1.03705
5	hcs029d10	51626	DYNC2LI1	0.0044141	-15.0015	9.61969	9.81298	-1.14337
7	hcs029d10	51626	DYNC2LI1	0.344989	-1.22591	9.2005	9.83351	-1.5508
1	hcs029d11	92558	CCDC64	0.283633	1.452	10.2612	10.4174	0.897365
3	hcs029d11	92558	CCDC64	0.279429	-1.46967	10.305	10.5819	-1.21156
5	hcs029d11	92558	CCDC64	0.953372	0.0660133	10.3918	10.382	1.00686
7	hcs029d11	92558	CCDC64	0.689357	0.462182	10.0232	9.9668	1.03986
1	hcs029e01	27129	HSPB7	0.556093	0.700589	10.3669	10.6122	0.84366
3	hcs029e01	27129	HSPB7	0.85289	0.210333	10.4213	10.3554	1.04677
5	hcs029e01	27129	HSPB7	0.192218	1.93794	10.6233	10.4719	1.11065
7	hcs029e01	27129	HSPB7	0.120072	2.61921	10.4564	10.1356	1.24899
1	hcs029e02	10367	CBARA1	0.352462	1.20173	9.73215	10.0062	0.826985
3	hcs029e02	10367	CBARA1	0.941179	0.0833304	10.0303	10.0201	1.00709
5	hcs029e02	10367	CBARA1	0.259036	-1.56041	9.86808	10.2491	-1.3023

7	hcs029e02	10367	CBARA1	0.680442	-0.47693	9.59212	9.69346	-1.07277
1	hcs029e03	10125	RASGRP1	0.333119	1.26564	9.73843	9.8924	0.898772
5	hcs029e03	10125	RASGRP1	0.0140868	-8.33619	9.94679	10.0871	-1.10212
7	hcs029e03	10125	RASGRP1	0.725153	-0.404262	9.74319	9.78986	-1.03288
1	hcs029e04	3208	HPCA	0.100164	2.91719	9.97823	10.2673	0.818415
3	hcs029e04	3208	HPCA	0.261666	-1.5482	10.2682	10.4177	-1.1092
5	hcs029e04	3208	HPCA	0.837053	0.233564	10.0518	10.0112	1.02858
7	hcs029e04	3208	HPCA	0.151765	-2.265	9.88671	9.98025	-1.06698
1	hcs029e05	79001	VKORC1	0.17227	2.08614	11.2293	11.5774	0.785618
3	hcs029e05	79001	VKORC1	0.501802	-0.812581	11.4602	11.5356	-1.05365
5	hcs029e05	79001	VKORC1	0.205118	-1.85267	11.5224	11.6277	-1.07572
7	hcs029e05	79001	VKORC1	0.0741203	-3.46566	10.954	11.2812	-1.25458
1	hcs029e06	1603	DAD1	0.268237	1.51839	11.6993	11.8869	0.878086
3	hcs029e06	1603	DAD1	0.300043	1.38604	12.0576	11.8326	1.16878
5	hcs029e06	1603	DAD1	0.583194	0.648466	12.0037	11.9015	1.07343
7	hcs029e06	1603	DAD1	0.333947	-1.26282	11.6907	11.7965	-1.07614
1	hcs029e07	?	?	0.606001	0.606236	9.6638	9.76771	0.93051
3	hcs029e07	?	?	0.476709	0.86844	10.4072	10.2785	1.09334
5	hcs029e07	?	?	0.0913173	-3.07811	9.64054	9.90499	-1.20118
7	hcs029e07	?	?	0.417615	1.01317	9.71032	9.62604	1.06016
1	hcs029e08	10987	COPS5	0.427882	-0.986497	10.5338	10.2066	1.25462
3	hcs029e08	10987	COPS5	0.346045	-1.22246	10.6394	10.7716	-1.09599
5	hcs029e08	10987	COPS5	0.529892	0.75326	10.5663	10.4531	1.08157
7	hcs029e08	10987	COPS5	0.271765	1.50276	10.3957	10.2754	1.08699
1	hcs029e09	55103	RALGPS2	0.373094	1.13796	11.2601	11.4217	0.894053
3	hcs029e09	55103	RALGPS2	0.694667	0.453461	11.4229	11.3333	1.06405
5	hcs029e09	55103	RALGPS2	0.470546	0.882621	11.4195	11.291	1.09318
7	hcs029e09	55103	RALGPS2	0.187435	-1.97152	11.2452	11.3065	-1.04341
1	hcs029e10	64754	SMYD3	0.0959078	2.99197	10.2088	10.2847	0.948752
3	hcs029e10	64754	SMYD3	0.573515	-0.666827	10.4072	10.5049	-1.07007
5	hcs029e10	64754	SMYD3	0.80178	0.286	10.3502	10.3003	1.03516
7	hcs029e10	64754	SMYD3	0.356933	1.18754	10.1874	10.0752	1.08088
1	hcs029e11	29844	TFPT	0.718573	0.414762	10.5228	10.5606	0.974162
3	hcs029e11	29844	TFPT	0.98399	0.0226437	10.6001	10.5958	1.00299
5	hcs029e11	29844	TFPT	0.722809	-0.407995	10.5922	10.6834	-1.06526
7	hcs029e11	29844	TFPT	0.23636	1.67268	10.3873	10.3052	1.05856
1	hcs029e12	23357	ANGEL1	0.267136	1.52332	10.5114	10.7575	0.843173
3	hcs029e12	23357	ANGEL1	0.836632	0.234184	10.561	10.4966	1.04569
5	hcs029e12	23357	ANGEL1	0.60676	0.604855	10.6805	10.5691	1.08025
7	hcs029e12	23357	ANGEL1	0.0440443	4.60605	10.63	10.4878	1.1036
1	hcs029f01	29957	SLC25A24	0.29257	1.41551	11.3547	11.7246	0.773836
3	hcs029f01	29957	SLC25A24	0.985967	-0.0198473	11.6622	11.6684	-1.00426
5	hcs029f01	29957	SLC25A24	0.781139	0.317206	11.5918	11.5215	1.04991
7	hcs029f01	29957	SLC25A24	0.776187	0.324757	11.7577	11.7435	1.00987
1	hcs029f02	2987	GUK1	0.232418	1.69361	9.94031	10.191	0.840508
3	hcs029f02	2987	GUK1	0.308182	-1.35496	10.2796	10.369	-1.0639
5	hcs029f02	2987	GUK1	0.147985	-2.3016	9.85675	10.0605	-1.15172

7	hcs029f02	2987	GUK1	0.310426	1.34657	9.85674	9.70769	1.10884
1	hcs029f03	22994	AZI1	0.0948909	3.01054	10.5236	10.7267	0.868702
3	hcs029f03	22994	AZI1	0.121334	-2.6027	10.7381	10.8265	-1.06314
5	hcs029f03	22994	AZI1	0.321425	-1.30648	10.6521	10.7206	-1.04867
7	hcs029f03	22994	AZI1	0.442852	0.948837	10.541	10.3973	1.10476
1	hcs029f04	55256	ADI1	0.909506	-0.128505	10.5174	10.4828	1.02429
3	hcs029f04	55256	ADI1	0.305646	1.36454	10.9341	10.6505	1.21726
5	hcs029f04	55256	ADI1	0.355583	1.19181	10.8869	10.8379	1.03455
7	hcs029f04	55256	ADI1	0.270555	1.50808	10.4655	10.2648	1.14926
1	hcs029f05	3635	INPP5D	0.248445	1.6112	10.9694	11.0801	0.92616
3	hcs029f05	3635	INPP5D	0.800776	0.287508	11.3812	11.3558	1.01774
5	hcs029f05	3635	INPP5D	0.919468	-0.114261	11.1069	11.1265	-1.01368
7	hcs029f05	3635	INPP5D	0.395784	1.07237	10.9654	10.7402	1.16894
3	hcs029f06	5937	RBMS1	0.783856	-0.313075	11.0227	11.0376	-1.01039
5	hcs029f06	5937	RBMS1	0.923863	0.107988	10.556	10.5423	1.00951
7	hcs029f06	5937	RBMS1	0.979158	0.0294821	9.86445	9.86283	1.00112
1	hcs029f07			0.333161	1.2655	10.6859	10.8148	0.914507
3	hcs029f07			0.506504	0.802427	11.1794	11.0767	1.07381
5	hcs029f07			0.498137	-0.820561	10.8397	10.8894	-1.03505
7	hcs029f07			0.254852	-1.58014	10.3218	10.3721	-1.03546
1	hcs029f08	23025	UNC13A	0.204511	-1.85652	10.5867	10.4256	1.11816
3	hcs029f08	23025	UNC13A	0.894358	0.150241	10.6996	10.6798	1.0138
5	hcs029f08	23025	UNC13A	0.167726	-2.12318	10.1489	10.2454	-1.06918
7	hcs029f08	23025	UNC13A	0.770487	-0.333482	10.0586	10.0964	-1.02657
1	hcs029f09	24139	EML2	0.728693	-0.398638	10.3768	10.3662	1.00737
3	hcs029f09	24139	EML2	0.218521	-1.77132	10.5127	10.683	-1.12527
5	hcs029f09	24139	EML2	0.598203	0.620519	10.2917	10.2581	1.02361
7	hcs029f09	24139	EML2	0.454667	0.920066	10.1597	9.99643	1.1198
1	hcs029f10	10062	NR1H3	0.767755	0.337677	10.5258	10.5473	0.98523
3	hcs029f10	10062	NR1H3	0.282473	-1.45684	10.8142	10.9269	-1.08125
5	hcs029f10	10062	NR1H3	0.101093	-2.90146	10.4424	10.4989	-1.03992
7	hcs029f10	10062	NR1H3	0.990286	-0.0137389	10.1265	10.1276	-1.00082
1	hcs029f11	25911	DPCD	0.51528	0.783721	10.8639	10.9159	0.964598
3	hcs029f11	25911	DPCD	0.402641	-1.05339	11.002	11.1706	-1.12397
5	hcs029f11	25911	DPCD	0.743393	0.375469	10.9382	10.8948	1.03056
7	hcs029f11	25911	DPCD	0.863498	0.194867	10.6696	10.6491	1.01431
1	hcs029g01	5688	PSMA7	0.616505	0.587242	10.6419	10.7915	0.901479
3	hcs029g01	5688	PSMA7	0.810731	-0.272593	10.5853	10.6815	-1.06895
5	hcs029g01	5688	PSMA7	0.41774	1.01284	10.729	10.5954	1.09705
7	hcs029g01	5688	PSMA7	0.338025	1.24902	10.5306	10.3423	1.13943
1	hcs029g02	5165	PDK3	0.579396	0.655637	10.7198	10.8595	0.907729
3	hcs029g02	5165	PDK3	0.969767	-0.0427757	10.5764	10.5881	-1.0081
5	hcs029g02	5165	PDK3	0.597441	-0.621922	10.8137	10.883	-1.04918
7	hcs029g02	5165	PDK3	0.24312	1.6378	10.5542	10.512	1.02968
1	hcs029g03	5905	RANGAP1	0.6631	0.506032	10.4143	10.5161	0.931887
3	hcs029g03	5905	RANGAP1	0.277784	1.47667	10.8182	10.6962	1.08824
5	hcs029g03	5905	RANGAP1	0.371114	-1.1439	10.4349	10.5963	-1.11842

7	hcs029g03	5905	RANGAP1	0.247607	-1.61533	10.1889	10.3701	-1.13383
1	hcs029g04	79735	TBC1D17	0.293436	1.41204	10.12	10.2834	0.892931
3	hcs029g04	79735	TBC1D17	0.68685	-0.466315	10.4353	10.4827	-1.0334
5	hcs029g04	79735	TBC1D17	0.348766	-1.21361	10.1424	10.2425	-1.0719
7	hcs029g04	79735	TBC1D17	0.942635	0.0812599	10.0466	10.0414	1.00358
1	hcs029g05	10906	TRAFD1	0.453444	0.923008	9.98506	10.0622	0.947913
3	hcs029g05	10906	TRAFD1	0.337424	-1.25104	10.3692	10.53	-1.11793
5	hcs029g05	10906	TRAFD1	0.552646	0.707384	10.2535	10.1223	1.09521
7	hcs029g05	10906	TRAFD1	0.559707	0.693508	9.95445	9.89657	1.04093
1	hcs029g06	5585	PKN1	0.383737	1.10664	11.5565	11.7568	0.87037
3	hcs029g06	5585	PKN1	0.495148	0.827112	11.8499	11.6843	1.12161
5	hcs029g06	5585	PKN1	0.540989	0.730659	11.7292	11.6414	1.06275
7	hcs029g06	5585	PKN1	0.164302	-2.152	11.5424	11.6135	-1.05054
1	hcs029g07	?	?	0.107527	2.79793	11.3559	11.7369	0.767905
3	hcs029g07	?	?	0.997088	0.0041183	11.6745	11.6737	1.00055
5	hcs029g07	?	?	0.930538	0.0984716	11.8132	11.7923	1.01457
7	hcs029g07	?	?	0.0863342	-3.17891	11.3606	11.6419	-1.21535
1	hcs029g08	4675	NAP1L3	0.880508	-0.170206	10.3965	10.3835	1.00908
3	hcs029g08	4675	NAP1L3	0.981762	-0.0257968	10.5852	10.5906	-1.00377
5	hcs029g08	4675	NAP1L3	0.626211	0.56993	10.4192	10.2959	1.08925
7	hcs029g08	4675	NAP1L3	0.220267	1.7612	10.2625	10.1047	1.11563
1	hcs029g09	4087	SMAD2	0.7728	0.329937	10.8043	10.8497	0.968999
3	hcs029g09	4087	SMAD2	0.671597	0.491703	11.0151	10.9118	1.0742
5	hcs029g09	4087	SMAD2	0.842505	-0.225547	10.7574	10.8034	-1.0324
7	hcs029g09	4087	SMAD2	0.344592	1.22722	10.7013	10.6605	1.02866
1	hcs029g10	8558	CDK10	0.906455	0.132875	10.5004	10.522	0.985139
3	hcs029g10	8558	CDK10	0.895047	0.14925	10.5712	10.5333	1.02662
5	hcs029g10	8558	CDK10	0.342785	1.23317	10.6813	10.5025	1.13194
7	hcs029g10	8558	CDK10	0.389445	1.09026	10.3057	10.2392	1.04717
1	hcs029g11	11094	C9orf7	0.802866	0.28437	10.4528	10.4733	0.985891
3	hcs029g11	11094	C9orf7	0.951992	-0.0679718	10.5168	10.5268	-1.00696
5	hcs029g11	11094	C9orf7	0.569938	0.673682	10.5175	10.4258	1.06567
7	hcs029g11	11094	C9orf7	0.102979	2.87017	10.2841	10.1344	1.10931
1	hcs029g12	?	?	0.777558	0.322664	11.7838	11.8783	0.936575
3	hcs029g12	?	?	0.202971	1.86636	11.6429	11.4456	1.14652
5	hcs029g12	?	?	0.323661	-1.29853	11.5713	11.6449	-1.05234
7	hcs029g12	?	?	0.902677	-0.138292	11.4281	11.4402	-1.0084
1	hcs029h01	11331	PHB2	0.570576	-0.672457	12.6074	12.4749	1.09619
3	hcs029h01	11331	PHB2	0.583481	-0.647926	12.4688	12.545	-1.05426
5	hcs029h01	11331	PHB2	0.499144	0.818362	12.6315	12.5593	1.05129
7	hcs029h01	11331	PHB2	0.84862	-0.21658	12.5121	12.5599	-1.03371
1	hcs029h02	55860	ACTR10	0.132288	2.46874	11.9239	12.3371	0.750956
3	hcs029h02	55860	ACTR10	0.157377	-2.21289	11.958	12.1693	-1.15776
5	hcs029h02	55860	ACTR10	0.452597	-0.92505	12.2612	12.3969	-1.09865
7	hcs029h02	55860	ACTR10	0.0665892	-3.67895	11.7102	12.3293	-1.53599
1	hcs029h03	55101	ATP5SL	0.556805	0.699192	11.2597	11.3498	0.939436
3	hcs029h03	55101	ATP5SL	0.932991	-0.0949789	11.5292	11.5581	-1.02023

5	hcs029h03	55101	ATP5SL	0.884566	0.164347	11.3986	11.3797	1.01316
7	hcs029h03	55101	ATP5SL	0.394308	1.07651	11.315	11.0933	1.16613
1	hcs029h05	1832	DSP	0.0199811	6.96796	10.4485	10.5595	0.925946
3	hcs029h05	1832	DSP	0.683944	-0.471119	11.0096	11.0383	-1.02005
5	hcs029h05	1832	DSP	0.419541	1.00811	11.0771	10.9838	1.06676
7	hcs029h05	1832	DSP	0.781047	0.317347	10.3609	10.309	1.03658
1	hcs029h06	10422	UBAC1	0.285554	1.44404	11.0904	11.3004	0.864557
3	hcs029h06	10422	UBAC1	0.845863	0.220619	11.4487	11.3981	1.03572
5	hcs029h06	10422	UBAC1	0.397257	1.06827	11.407	11.2164	1.14124
7	hcs029h06	10422	UBAC1	0.263253	1.54091	11.1977	10.9896	1.15517
1	hcs029h07	126326	GIPC3	0.302446	1.37675	10.9022	11.1225	0.858367
3	hcs029h07	126326	GIPC3	0.949149	0.0720072	11.2389	11.2228	1.01122
5	hcs029h07	126326	GIPC3	0.833376	0.238983	11.146	11.1053	1.02866
7	hcs029h07	126326	GIPC3	0.34938	1.21163	10.9524	10.7566	1.14536
1	hcs029h08			0.867784	0.188638	11.7898	11.8674	0.947655
3	hcs029h08			0.708237	0.431385	12.1279	11.9775	1.10988
5	hcs029h08			0.813067	0.269106	12.2954	12.2019	1.06693
7	hcs029h08			0.421961	-1.00179	11.6621	11.8654	-1.15128
1	hcs029h09	6165	RPL35A	0.528615	-0.755889	12.8166	12.6869	1.09407
3	hcs029h09	6165	RPL35A	0.866048	-0.191159	12.7139	12.7378	-1.01666
5	hcs029h09	6165	RPL35A	0.870677	-0.18444	12.8915	12.9118	-1.01415
7	hcs029h09	6165	RPL35A	0.643346	-0.53989	12.5412	12.6969	-1.11399
1	hcs029h10	23762	OSBP2	0.149496	2.28682	10.5917	10.8593	0.83072
3	hcs029h10	23762	OSBP2	0.788851	-0.305498	10.8535	10.9329	-1.05655
5	hcs029h10	23762	OSBP2	0.573103	-0.667613	10.946	11.0044	-1.04131
7	hcs029h10	23762	OSBP2	0.175282	2.06231	10.7045	10.5911	1.0818
3	hcs029h11	?	?	0.74074	-0.379629	13.3066	13.4909	-1.13627
1	hcs029h12			0.827615	0.247495	11.0491	11.0918	0.970814
3	hcs029h12			0.388871	1.09189	11.0598	10.923	1.09946
5	hcs029h12			0.366486	1.15793	11.3341	11.1793	1.11327
7	hcs029h12			0.950467	-0.0701368	10.9315	10.9392	-1.00535
1	hcs030a01	?	?	0.663807	0.504834	10.7121	10.7819	0.952792
3	hcs030a01	?	?	0.829637	-0.244504	10.4792	10.5418	-1.04437
5	hcs030a01	?	?	0.0575218	3.98742	10.9673	10.66	1.23742
7	hcs030a01	?	?	0.161555	2.17572	10.5446	10.3638	1.13346
1	hcs030a02	115098	CCDC124	0.274688	1.49	11.0698	11.4724	0.756476
3	hcs030a02	115098	CCDC124	0.960025	-0.056578	11.2376	11.2552	-1.01227
5	hcs030a02	115098	CCDC124	0.708081	0.431637	11.3857	11.3291	1.03999
7	hcs030a02	115098	CCDC124	0.0213293	-6.73716	10.9788	11.0798	-1.07257
1	hcs030a03			0.601274	0.614876	10.2668	10.3588	0.938243
3	hcs030a03			0.753651	-0.359469	10.4515	10.5385	-1.06211
5	hcs030a03			0.588226	0.639027	10.5782	10.4891	1.06371
7	hcs030a03			0.695807	0.451595	10.1074	10.0437	1.04513
1	hcs030a04	?	?	0.413	-1.02539	9.75081	9.68609	1.04588
3	hcs030a04	?	?	0.203488	-1.86305	9.89979	10.1813	-1.21551
5	hcs030a04	?	?	0.674912	0.48615	9.97081	9.85716	1.08196
7	hcs030a04	?	?	0.697015	0.449619	9.63469	9.57856	1.03967

1	hcs030a05	84162	KIAA1109	0.343632	1.23037	10.4571	10.5761	0.920825
3	hcs030a05	84162	KIAA1109	0.0374889	-5.01838	10.5233	10.7949	-1.20709
5	hcs030a05	84162	KIAA1109	0.565853	-0.681558	10.5623	10.6401	-1.05541
7	hcs030a05	84162	KIAA1109	0.882441	0.167415	10.1305	10.1067	1.01663
1	hcs030a06	140733	MACROD2	0.200533	1.88214	12.5452	12.8402	0.815091
3	hcs030a06	140733	MACROD2	0.226657	1.72507	12.7643	12.5153	1.18841
5	hcs030a06	140733	MACROD2	0.0832963	3.24454	12.8585	12.376	1.39716
7	hcs030a06	140733	MACROD2	0.0013389	27.301	12.9085	12.3347	1.4884
1	hcs030a07	9337	CNOT8	0.58743	0.640515	10.8795	11.0065	0.915734
3	hcs030a07	9337	CNOT8	0.755099	0.35722	11.0692	11.0147	1.0385
5	hcs030a07	9337	CNOT8	0.383772	1.10654	11.1578	10.9981	1.11711
7	hcs030a07	9337	CNOT8	0.0716222	3.53281	10.7854	10.6803	1.07554
1	hcs030a08	84457	PHYHIPL	0.226043	1.72848	9.43458	9.83995	0.755041
3	hcs030a08	84457	PHYHIPL	0.283417	-1.4529	9.92303	10.2237	-1.23171
5	hcs030a08	84457	PHYHIPL	0.293489	-1.41183	9.72316	9.83342	-1.07943
7	hcs030a08	84457	PHYHIPL	0.546168	0.720261	9.60913	9.50538	1.07456
1	hcs030a09	?	?	0.278842	1.47217	9.90401	10.0428	0.908278
3	hcs030a09	?	?	0.649527	-0.52921	10.144	10.2706	-1.09171
5	hcs030a09	?	?	0.469531	0.884974	10.152	9.95337	1.14762
7	hcs030a09	?	?	0.0654717	3.71358	9.83754	9.71157	1.09124
1	hcs030a10	441089	CRSP8P	0.35087	1.20683	9.97488	10.1301	0.897987
3	hcs030a10	441089	CRSP8P	0.635805	-0.55303	10.186	10.3045	-1.08566
5	hcs030a10	441089	CRSP8P	0.551876	-0.708908	10.1274	10.2225	-1.06813
7	hcs030a10	441089	CRSP8P	0.356691	1.18831	9.87791	9.76785	1.07927
1	hcs030a11	10245	TIMM17B	0.557543	0.697743	10.8821	10.9891	0.928517
3	hcs030a11	10245	TIMM17B	0.805302	0.280717	11.011	10.9489	1.04403
5	hcs030a11	10245	TIMM17B	0.703915	0.438384	10.9538	10.895	1.04157
7	hcs030a11	10245	TIMM17B	0.749178	0.366429	10.7513	10.7393	1.00835
1	hcs030a12	9276	COPB2	0.668601	0.496739	10.5649	10.6244	0.959574
3	hcs030a12	9276	COPB2	0.685592	0.468394	10.6891	10.6012	1.06283
5	hcs030a12	9276	COPB2	0.712924	-0.423827	10.5619	10.6514	-1.06398
7	hcs030a12	9276	COPB2	0.0193107	7.09152	10.5777	10.4271	1.11006
1	hcs030b01	8655	DYNLL1	0.185332	-1.98665	12.3703	12.2026	1.12329
3	hcs030b01	8655	DYNLL1	0.369999	1.14726	12.2336	11.9745	1.1967
5	hcs030b01	8655	DYNLL1	0.188867	1.96134	12.4774	12.1316	1.27086
7	hcs030b01	8655	DYNLL1	0.231181	1.70028	12.2347	12.0042	1.17319
1	hcs030b02	?	?	0.302527	1.37644	10.3556	10.5827	0.854331
3	hcs030b02	?	?	0.960959	0.052542	10.6668	10.6528	1.00975
5	hcs030b02	?	?	0.307835	1.35626	10.6918	10.3107	1.30227
7	hcs030b02	?	?	0.087799	3.14843	10.4476	10.1766	1.20664
1	hcs030b03	8110	DPF3	0.723094	0.40754	10.1115	10.2749	0.892933
3	hcs030b03	8110	DPF3	0.595253	0.625963	10.7557	10.606	1.10939
5	hcs030b03	8110	DPF3	0.581033	-0.652541	10.2148	10.2946	-1.05688
7	hcs030b03	8110	DPF3	0.424798	0.994433	10.254	10.1493	1.07526
1	hcs030b04	114781	BTBD9	0.313296	1.33594	10.8685	11.1527	0.821178
3	hcs030b04	114781	BTBD9	0.80287	-0.284363	11.4227	11.4463	-1.01649
5	hcs030b04	114781	BTBD9	0.425322	0.993082	11.2178	11.1318	1.06142



7	hcs030b04	114781	BTBD9	0.0730516	3.49398	10.8726	10.7808	1.0657
1	hcs030b05			0.346795	1.22001	10.5479	10.6971	0.901771
3	hcs030b05			0.567371	-0.678625	10.8072	10.8459	-1.02719
5	hcs030b05			0.0541343	-4.12147	10.656	10.7335	-1.05519
7	hcs030b05			0.695927	0.451398	10.193	10.1548	1.02683
1	hcs030b06	5371	PML	0.159476	2.19405	10.5438	10.7374	0.874421
3	hcs030b06	5371	PML	0.871606	-0.183092	10.9296	10.9503	-1.01443
5	hcs030b06	5371	PML	0.778445	0.321311	10.689	10.6459	1.0303
7	hcs030b06	5371	PML	0.420778	1.00488	10.3575	10.2725	1.06071
1	hcs030b07	5891	RAGE	0.485699	0.84809	10.7578	10.9004	0.905885
3	hcs030b07	5891	RAGE	0.965709	-0.0485227	11.0839	11.0895	-1.00387
5	hcs030b07	5891	RAGE	0.775257	-0.326179	11.1174	11.1575	-1.02814
7	hcs030b07	5891	RAGE	0.907314	-0.131645	10.5641	10.5783	-1.00986
3	hcs030b08	9120	SLC16A6	0.162071	-2.17122	10.1701	10.58	-1.32854
5	hcs030b08	9120	SLC16A6	0.288868	1.43045	9.76553	9.71786	1.03359
1	hcs030b09	2194	FASN	0.61554	0.588975	12.2357	12.2924	0.961483
3	hcs030b09	2194	FASN	0.0266936	-5.99741	12.2945	12.3877	-1.06668
5	hcs030b09	2194	FASN	0.713521	-0.422866	11.9025	11.9337	-1.02184
7	hcs030b09	2194	FASN	0.14836	2.29792	12.0728	12.0308	1.02952
1	hcs030b10	25847	ANAPC13	0.265865	1.52904	10.0478	10.2602	0.863128
3	hcs030b10	25847	ANAPC13	0.331686	-1.27055	10.6216	10.7326	-1.08001
5	hcs030b10	25847	ANAPC13	0.506099	-0.803297	10.181	10.2264	-1.03203
7	hcs030b10	25847	ANAPC13	0.254514	-1.58176	9.73592	9.93606	-1.14881
1	hcs030b11	55692	LUC7L	0.657762	0.515102	10.456	10.4783	0.984684
3	hcs030b11	55692	LUC7L	0.501705	-0.812791	10.5889	10.7252	-1.09906
5	hcs030b11	55692	LUC7L	0.71905	-0.413998	10.5027	10.5472	-1.03135
7	hcs030b11	55692	LUC7L	0.192058	1.93904	10.3417	10.1913	1.10985
1	hcs030c01	10347	ABCA7	0.517969	0.778054	10.6573	10.7715	0.923895
3	hcs030c01	10347	ABCA7	0.811355	0.271662	10.7054	10.6157	1.06409
5	hcs030c01	10347	ABCA7	0.827469	0.24771	10.8663	10.8411	1.01764
7	hcs030c01	10347	ABCA7	0.832851	0.239758	10.6952	10.6604	1.02444
1	hcs030c02	9379	NRXN2	0.38525	1.10227	10.6862	10.9135	0.854232
3	hcs030c02	9379	NRXN2	0.906452	0.13288	10.8188	10.7799	1.02733
5	hcs030c02	9379	NRXN2	0.877323	-0.174812	10.7648	10.7775	-1.0088
7	hcs030c02	9379	NRXN2	0.878298	0.173402	10.3341	10.3257	1.00579
1	hcs030c03	337867	UBAC2	0.33294	1.26626	10.233	10.4569	0.856268
3	hcs030c03	337867	UBAC2	0.962125	-0.0536019	10.6776	10.6804	-1.00197
5	hcs030c03	337867	UBAC2	0.698891	-0.446557	10.5357	10.5696	-1.02375
7	hcs030c03	337867	UBAC2	0.0224221	6.5654	10.1981	10.1521	1.0324
1	hcs030c04	51728	POLR3K	0.681195	0.475679	10.558	10.5945	0.97504
3	hcs030c04	51728	POLR3K	0.976805	-0.0328111	10.7405	10.7463	-1.00403
5	hcs030c04	51728	POLR3K	0.899142	0.143365	10.5254	10.5086	1.01171
7	hcs030c04	51728	POLR3K	0.35131	1.20542	10.3656	10.2603	1.07577
1	hcs030c05	65268	WNK2	0.822422	-0.255189	9.94008	9.91046	1.02074
3	hcs030c05	65268	WNK2	0.25723	-1.56888	10.1923	10.3339	-1.10316
5	hcs030c05	65268	WNK2	0.590817	-0.634195	9.86347	9.92195	-1.04137
1	hcs030c06	6294	SAFB	0.288393	1.43239	11.051	11.2541	0.868662

3	hcs030c06	6294	SAFB	0.250628	1.60051	11.3042	11.1772	1.09202
5	hcs030c06	6294	SAFB	0.88278	0.166925	11.2821	11.2677	1.01005
7	hcs030c06	6294	SAFB	0.919682	-0.113955	10.8343	10.8397	-1.00377
1	hcs030c07	23247	KIAA0556	0.184444	1.99311	10.8281	11.0231	0.873553
3	hcs030c07	23247	KIAA0556	0.837079	0.233525	10.9743	10.9256	1.03428
5	hcs030c07	23247	KIAA0556	0.353302	1.19905	11.1622	10.8795	1.21653
7	hcs030c07	23247	KIAA0556	0.0651343	3.72421	10.9102	10.5346	1.29732
1	hcs030c08	1589	CYP21A2	0.530774	0.751447	9.67241	9.85744	0.879633
3	hcs030c08	1589	CYP21A2	0.0597776	-3.90437	9.79232	10.0402	-1.18749
5	hcs030c08	1589	CYP21A2	0.243543	-1.63566	9.83888	10.0092	-1.12529
7	hcs030c08	1589	CYP21A2	0.676119	0.484133	9.62809	9.60923	1.01316
1	hcs030c09	93129	ORAI3	0.140381	2.37933	10.2842	10.4251	0.906953
3	hcs030c09	93129	ORAI3	0.952095	0.0678263	10.6258	10.6172	1.006
5	hcs030c09	93129	ORAI3	0.290009	1.42582	10.3451	10.2222	1.08895
7	hcs030c09	93129	ORAI3	0.671283	0.49223	10.1521	10.1336	1.01292
1	hcs030c11	23705	CADM1	0.15822	-2.20528	9.78822	9.71004	1.05569
3	hcs030c11	23705	CADM1	0.165166	-2.14465	9.94706	10.3213	-1.29612
5	hcs030c11	23705	CADM1	0.383666	-1.10685	9.87018	10.075	-1.15255
1	hcs030c12	694	BTG1	0.557875	0.697092	13.5751	13.7063	0.913093
3	hcs030c12	694	BTG1	0.519736	0.774343	13.3597	13.2472	1.08105
5	hcs030c12	694	BTG1	0.16314	2.16197	13.7493	13.3467	1.32195
7	hcs030c12	694	BTG1	0.0054513	13.4886	13.8797	13.1446	1.66455
1	hcs030d01	8911	CACNA1I	0.369961	1.14738	9.43671	9.67418	0.84823
3	hcs030d01	8911	CACNA1I	0.0139315	-8.38352	10.0866	10.2633	-1.13032
5	hcs030d01	8911	CACNA1I	0.246552	-1.62057	9.53743	9.71245	-1.12898
7	hcs030d01	8911	CACNA1I	0.134772	2.4405	9.68404	9.44921	1.17677
1	hcs030d02	89944	GLB1L2	0.700628	0.443726	10.7875	10.8621	0.949628
3	hcs030d02	89944	GLB1L2	0.456914	0.914685	11.1028	11.021	1.05834
5	hcs030d02	89944	GLB1L2	0.635012	0.554418	10.8032	10.7551	1.0339
7	hcs030d02	89944	GLB1L2	0.619418	-0.582024	10.5711	10.5957	-1.01724
1	hcs030d03	7750	ZMYM2	0.404064	1.0495	9.83127	10.0733	0.845554
3	hcs030d03	7750	ZMYM2	0.0073130	-11.6295	9.93416	10.1874	-1.19189
5	hcs030d03	7750	ZMYM2	0.116386	-2.6689	9.80639	9.94905	-1.10394
7	hcs030d03	7750	ZMYM2	0.207555	1.83736	9.87792	9.76178	1.08383
1	hcs030d04	120	ADD3	0.619769	0.581395	10.9369	11.0428	0.929204
3	hcs030d04	120	ADD3	0.715209	0.420154	11.4217	11.4148	1.00477
5	hcs030d04	120	ADD3	0.256715	-1.5713	11.2085	11.2761	-1.04802
7	hcs030d04	120	ADD3	0.247705	1.61485	10.8448	10.6744	1.12534
1	hcs030d05			0.164707	2.14855	10.2633	10.3915	0.914972
3	hcs030d05			0.791784	-0.30106	10.6678	10.7353	-1.04785
5	hcs030d05			0.194153	1.92467	10.5478	10.2073	1.26625
7	hcs030d05			0.772904	0.329778	10.1951	10.177	1.01268
1	hcs030d06	23510	KCTD2	0.723786	-0.406437	10.2934	10.2735	1.01392
3	hcs030d06	23510	KCTD2	0.299822	-1.3869	10.4418	10.5354	-1.06698
5	hcs030d06	23510	KCTD2	0.201508	1.8758	10.2964	10.0684	1.17121
7	hcs030d06	23510	KCTD2	0.589358	0.636914	9.87798	9.79837	1.05673
1	hcs030d07	60673	C12orf44	0.43811	0.960615	10.3441	10.4286	0.943111

3	hcs030d07	60673	C12orf44	0.17837	2.03845	10.7452	10.707	1.02686
5	hcs030d07	60673	C12orf44	0.161253	2.17837	10.52	10.3394	1.1333
7	hcs030d07	60673	C12orf44	0.133244	2.45779	10.0297	9.94597	1.05977
1	hcs030d08	4712	NDUFB6	0.212035	1.80983	10.5175	10.6313	0.924172
3	hcs030d08	4712	NDUFB6	0.129164	-2.50531	10.8196	10.9492	-1.09399
5	hcs030d08	4712	NDUFB6	0.482366	-0.85559	10.6257	10.7128	-1.06223
7	hcs030d08	4712	NDUFB6	0.218648	1.77058	10.3188	10.2574	1.0435
1	hcs030d09	157567	ANKRD46	0.565305	0.682619	10.4545	10.5178	0.957072
3	hcs030d09	157567	ANKRD46	0.607585	-0.603354	10.6206	10.7784	-1.11553
5	hcs030d09	157567	ANKRD46	0.427474	0.987544	10.6532	10.5165	1.09939
7	hcs030d09	157567	ANKRD46	0.435467	0.967241	10.4471	10.2101	1.1786
3	hcs030d10	10501	SEMA6B	0.311836	-1.34133	10.3692	10.5785	-1.15617
5	hcs030d10	10501	SEMA6B	0.538292	0.73611	9.49525	9.39783	1.06986
1	hcs030d11	9619	ABCG1	0.775666	-0.325554	10.1199	10.1021	1.01244
3	hcs030d11	9619	ABCG1	0.600997	-0.615383	10.2354	10.3512	-1.08357
5	hcs030d11	9619	ABCG1	0.834986	-0.236608	10.1638	10.2031	-1.02762
7	hcs030d11	9619	ABCG1	0.27475	1.48973	9.93202	9.80047	1.09547
1	hcs030d12	?	?	0.550706	0.711226	12.1602	12.3475	0.878268
3	hcs030d12	?	?	0.093947	3.02803	12.3201	11.9934	1.25417
5	hcs030d12	?	?	0.288875	1.43043	12.6235	12.4878	1.09868
7	hcs030d12	?	?	0.180497	-2.02234	12.1163	12.283	-1.12249
1	hcs030e01	6047	RNF4	0.771611	0.33176	11.3978	11.4671	0.9531
3	hcs030e01	6047	RNF4	0.248846	-1.60923	11.4683	11.7517	-1.217
5	hcs030e01	6047	RNF4	0.710373	0.427936	11.5074	11.4532	1.03828
7	hcs030e01	6047	RNF4	0.757104	-0.354112	11.1828	11.2493	-1.04717
1	hcs030e02	254263	CNIH2	0.578626	0.657097	12.614	12.694	0.946036
3	hcs030e02	254263	CNIH2	0.5888	0.637954	12.591	12.3973	1.14369
5	hcs030e02	254263	CNIH2	0.657048	0.516321	12.7455	12.6909	1.03852
7	hcs030e02	254263	CNIH2	0.859775	0.200288	12.4379	12.4035	1.02411
1	hcs030e03	?	?	0.346376	1.22138	10.4052	10.612	0.866477
3	hcs030e03	?	?	0.146613	-2.31522	10.6253	10.7479	-1.08864
5	hcs030e03	?	?	0.257193	-1.56905	10.6661	10.8493	-1.1354
7	hcs030e03	?	?	0.747666	0.368788	10.2954	10.2592	1.02539
1	hcs030e04	6256	RXRA	0.282509	1.45669	10.6892	10.8858	0.872625
3	hcs030e04	6256	RXRA	0.601873	0.613778	11.1709	11.1138	1.04035
5	hcs030e04	6256	RXRA	0.123764	-2.57155	10.7448	10.9008	-1.11419
7	hcs030e04	6256	RXRA	0.693794	-0.454892	10.6152	10.6599	-1.03144
1	hcs030e05	?	?	0.362243	1.17097	10.7277	10.878	0.901084
3	hcs030e05	?	?	0.424099	-0.996241	11.0262	11.1145	-1.06312
5	hcs030e05	?	?	0.228068	-1.71727	10.8683	10.9705	-1.07341
7	hcs030e05	?	?	0.517024	-0.780043	10.2985	10.3237	-1.01755
1	hcs030e06	7709	ZBTB17	0.29229	1.41663	9.84801	9.93722	0.940035
3	hcs030e06	7709	ZBTB17	0.451366	0.928023	10.3048	10.0233	1.21549
5	hcs030e06	7709	ZBTB17	0.0296205	-5.68048	9.80398	9.9491	-1.10582
7	hcs030e06	7709	ZBTB17	0.55537	-0.702012	9.63007	9.77325	-1.10434
1	hcs030e07	9607	CARTPT	0.203664	1.86192	10.0675	10.2482	0.882275
3	hcs030e07	9607	CARTPT	0.507087	-0.801175	10.5934	10.6774	-1.0599

5	hcs030e07	9607	CARTPT	0.328456	-1.28171	10.3857	10.5064	-1.08726
7	hcs030e07	9607	CARTPT	0.116339	2.66954	10.1163	9.93818	1.13141
1	hcs030e08	?	?	0.279127	1.47095	11.0587	11.3302	0.828438
3	hcs030e08	?	?	0.514351	0.785686	11.4599	11.3202	1.10165
5	hcs030e08	?	?	0.707331	-0.432849	11.0531	11.1483	-1.06819
7	hcs030e08	?	?	0.644396	0.538071	11.192	11.1783	1.00954
1	hcs030e09	56929	FEM1C	0.449037	0.933675	9.98029	10.0317	0.964997
3	hcs030e09	56929	FEM1C	0.599457	-0.618212	10.2328	10.3501	-1.08471
5	hcs030e09	56929	FEM1C	0.394993	1.07459	10.0828	9.90923	1.12781
7	hcs030e09	56929	FEM1C	0.868301	0.187886	10.0783	10.0671	1.00779
1	hcs030e10	727866	FAM156B	0.311839	-1.34132	9.73656	9.62601	1.07964
3	hcs030e10	727866	FAM156B	0.0373908	-5.02534	9.96979	10.2291	-1.19688
5	hcs030e10	727866	FAM156B	0.130292	-2.49197	9.61852	9.69313	-1.05308
7	hcs030e10	727866	FAM156B	0.780633	-0.317978	9.48971	9.52404	-1.02408
1	hcs030e11	5625	PRODH	0.735919	0.387213	10.8017	10.8598	0.960506
3	hcs030e11	5625	PRODH	0.511656	0.791407	10.9291	10.8358	1.06683
5	hcs030e11	5625	PRODH	0.869407	-0.186282	10.8438	10.8903	-1.03273
7	hcs030e11	5625	PRODH	0.919384	0.114381	10.5353	10.5297	1.00387
1	hcs030e12			0.32957	1.27785	11.2893	11.5572	0.830527
3	hcs030e12			0.544557	0.723485	11.5563	11.38	1.12998
5	hcs030e12			0.648915	-0.530264	11.2902	11.3429	-1.03723
7	hcs030e12			0.793877	0.2979	11.3925	11.3733	1.01344
1	hcs030f05			0.804311	-0.282202	12.7902	12.7311	1.04184
3	hcs030f05			0.337076	-1.25221	12.6257	12.751	-1.09076
5	hcs030f05			0.134755	-2.4407	12.5817	12.952	-1.29265
7	hcs030f05			0.0578651	-3.97448	12.169	12.8062	-1.55527
1	hcs030f06	10581	IFITM2	0.170208	2.10278	10.465	10.8183	0.782791
3	hcs030f06	10581	IFITM2	0.036643	5.07934	11.4181	10.851	1.48158
5	hcs030f06	10581	IFITM2	0.0949986	3.00856	11.6516	10.9616	1.61336
7	hcs030f06	10581	IFITM2	0.0367853	5.06894	11.0331	10.5906	1.35889
1	hcs030f08	?	?	0.429788	0.981623	11.8678	12.1398	0.828151
3	hcs030f08	?	?	0.665164	-0.502537	11.9531	12.0672	-1.08227
5	hcs030f08	?	?	0.470607	0.882479	12.4328	12.3295	1.0742
7	hcs030f08	?	?	0.10251	2.87787	12.3143	11.9818	1.25914
1	hcs030f09	5654	HTRA1	0.984068	-0.0225345	10.9522	10.9487	1.00241
3	hcs030f09	5654	HTRA1	0.772738	-0.330032	10.9722	11.0555	-1.05949
5	hcs030f09	5654	HTRA1	0.0733343	3.48643	11.1089	10.8171	1.22414
7	hcs030f09	5654	HTRA1	0.759792	-0.349951	10.5413	10.6763	-1.09804
1	hcs030f11	6202	RPS8	0.839714	0.229648	10.2157	10.2547	0.973334
3	hcs030f11	6202	RPS8	0.0438793	-4.6153	10.0867	10.3763	-1.22227
5	hcs030f11	6202	RPS8	0.677275	-0.482203	10.2438	10.3577	-1.08214
7	hcs030f11	6202	RPS8	0.4408	-0.953916	9.57463	9.92989	-1.27922
1	hcs030f12	100131187	TSTD1	0.24785	1.61413	10.06	10.8196	0.59066
3	hcs030f12	100131187	TSTD1	0.162743	-2.1654	10.0245	10.6261	-1.5174
5	hcs030f12	100131187	TSTD1	0.828306	0.246472	10.9419	10.8661	1.05392
7	hcs030f12	100131187	TSTD1	0.801071	-0.287065	10.4336	10.5661	-1.09619
1	hcs030g01	439921	MXRA7	0.360285	-1.17705	10.5336	10.3507	1.13514

3	hcs030g01	439921	MXRA7	0.947187	-0.0747926	10.2947	10.32	-1.01766
5	hcs030g01	439921	MXRA7	0.125816	2.54591	10.6386	9.96862	1.59109
7	hcs030g01	439921	MXRA7	0.336426	1.25441	9.86221	9.73441	1.09262
1	hcs030g03	1647	GADD45A	0.139815	2.38535	9.84064	10.0784	0.848086
3	hcs030g03	1647	GADD45A	0.47857	0.864196	10.7012	10.4162	1.21839
5	hcs030g03	1647	GADD45A	0.749901	0.365302	10.0904	10.0077	1.05901
7	hcs030g03	1647	GADD45A	0.0126772	-8.79689	9.58307	9.97848	-1.31532
1	hcs030g04	6223	RPS19	0.172792	2.08196	11.5294	11.779	0.84111
3	hcs030g04	6223	RPS19	0.27052	1.50824	11.788	11.4859	1.23299
5	hcs030g04	6223	RPS19	0.349128	1.21244	12.1143	11.9527	1.1185
7	hcs030g04	6223	RPS19	0.0314942	-5.5009	11.2885	11.6135	-1.25264
1	hcs030g07	8971	H1FX	0.961292	0.0547826	9.57889	9.5979	0.986909
3	hcs030g07	8971	H1FX	0.162026	-2.17162	9.6492	9.77801	-1.09339
5	hcs030g07	8971	H1FX	0.38842	1.09318	9.7565	9.47615	1.21448
7	hcs030g07	8971	H1FX	0.925057	0.106285	9.57216	9.5561	1.01119
1	hcs030g08	81853	TMEM14B	0.762013	0.34652	11.4206	11.5003	0.946276
3	hcs030g08	81853	TMEM14B	0.537741	0.737228	11.4032	11.2882	1.083
5	hcs030g08	81853	TMEM14B	0.429348	0.982748	11.5221	11.2987	1.16745
7	hcs030g08	81853	TMEM14B	0.631804	-0.560053	11.203	11.396	-1.14311
5	hcs030g10	6218	RPS17	0.076218	-3.41175	9.54759	9.6349	-1.06239
3	hcs030g11			0.104839	-2.84009	9.51781	9.94252	-1.34231
5	hcs030g11			0.767844	0.33754	9.68873	9.62571	1.04465
7	hcs030g11			0.352653	1.20112	9.47165	9.40858	1.04468
1	hcs030h06	9843	HEPH	0.154106	2.24294	9.60718	9.80208	0.873633
3	hcs030h06	9843	HEPH	0.0836868	-3.23592	10.267	10.3998	-1.09643
5	hcs030h06	9843	HEPH	0.611989	0.595375	10.017	10.0003	1.01163
7	hcs030h06	9843	HEPH	0.0698106	3.58365	9.60269	9.26337	1.26516
1	hcs030h08	2013	EMP2	0.0934777	-3.03682	9.84321	9.66548	1.13111
3	hcs030h08	2013	EMP2	0.23724	-1.66806	9.99755	10.1736	-1.12982
5	hcs030h08	2013	EMP2	0.95531	-0.0632642	9.69102	9.70471	-1.00954
7	hcs030h08	2013	EMP2	0.890696	0.155511	9.47204	9.44623	1.01805
1	hcs030h10	29058	C20orf30	0.104259	2.84938	10.1465	10.2811	0.910905
3	hcs030h10	29058	C20orf30	0.61837	-0.583899	10.438	10.5903	-1.11135
5	hcs030h10	29058	C20orf30	0.486697	0.845855	10.3922	10.2967	1.06847
7	hcs030h10	29058	C20orf30	0.451944	-0.926625	9.9754	10.1095	-1.09738
1	hcs031a01	26020	LRP10	0.884997	0.163725	10.7036	10.7644	0.95871
3	hcs031a01	26020	LRP10	0.303367	1.37322	10.9525	10.4093	1.45722
5	hcs031a01	26020	LRP10	0.0678903	3.63967	11.6096	10.6598	1.93156
7	hcs031a01	26020	LRP10	0.0811493	3.29304	10.8621	10.3839	1.39299
5	hcs031a04	9469	CHST3	0.565285	-0.682657	10.2084	10.2589	-1.03564
3	hcs031a05	4131	MAP1B	0.723263	0.40727	10.2874	10.2107	1.05462
5	hcs031a05	4131	MAP1B	0.201787	1.87399	10.2742	9.77759	1.41093
5	hcs031a06	3728	JUP	0.639001	0.547447	10.7733	10.6297	1.10464
1	hcs031a11	8241	RBM10	0.0295597	-5.68659	9.89973	9.65482	1.18502
3	hcs031a11	8241	RBM10	0.416035	-1.01733	9.82467	10.0842	-1.19708
5	hcs031a11	8241	RBM10	0.328706	1.28085	9.86905	9.63802	1.17367
7	hcs031a11	8241	RBM10	0.236665	1.67108	9.45394	9.43578	1.01267

1	hcs031b06			0.906074	0.133421	10.6984	10.7394	0.972004
3	hcs031b06			0.555436	-0.701881	10.8068	11.0058	-1.14788
5	hcs031b06			0.753462	0.359762	10.8047	10.7324	1.05142
7	hcs031b06			0.196782	-1.90691	10.2328	10.8359	-1.51906
5	hcs031c11	6238	RRBP1	0.154727	2.23716	9.19115	9.0429	1.10823
5	hcs031d06	9019	MPZL1	0.554536	-0.703654	9.2795	9.6113	-1.25858
5	hcs031d12	55168	MRPS18A	0.60033	-0.616608	9.00677	9.02497	-1.0127
1	hcs031e01	308	ANXA5	0.184318	-1.99403	10.0267	9.89447	1.09599
3	hcs031e01	308	ANXA5	0.767641	-0.337853	10.3928	10.4641	-1.0507
5	hcs031e01	308	ANXA5	0.03665	5.07883	10.4438	9.98395	1.37543
7	hcs031e01	308	ANXA5	0.400134	-1.06029	9.72251	9.85764	-1.0982
1	hcs031e02	1291	COL6A1	0.568166	-0.677093	10.2915	10.0833	1.15529
3	hcs031e02	1291	COL6A1	0.517907	0.778183	10.272	10.1168	1.11357
5	hcs031e02	1291	COL6A1	0.696557	0.450369	10.0116	9.95393	1.0408
5	hcs031e05			0.475393	-0.871454	10.0685	10.2803	-1.15809
3	hcs031e06	23204	ARL6IP1	0.630807	0.561808	11.0314	10.8275	1.1518
5	hcs031e06	23204	ARL6IP1	0.562145	-0.688754	10.2861	10.4699	-1.13584
5	hcs031e10	22916	NCBP2	0.0269423	5.96852	9.49427	9.27878	1.1611
1	hcs031e11	1496	CTNNA2	0.00607271	-12.7739	9.61657	9.07951	1.45102
5	hcs031e11	1496	CTNNA2	0.193543	1.92883	9.16858	8.89517	1.20866
1	hcs031f02	4666	NACA	0.651017	0.526647	10.2491	10.3726	0.917958
3	hcs031f02	4666	NACA	0.186381	1.97907	10.7148	10.381	1.26033
5	hcs031f02	4666	NACA	0.70088	0.443317	10.6393	10.6166	1.01586
7	hcs031f02	4666	NACA	0.924341	-0.107305	10.4795	10.5061	-1.01859
1	hcs031f09	9112	MTA1	0.865054	-0.192604	9.61487	9.58306	1.02229
5	hcs031f09	9112	MTA1	0.675586	0.485024	9.74284	9.65197	1.06502
3	hcs031g03	51106	TFB1M	0.0530323	4.16774	10.4061	10.2173	1.13982
5	hcs031g03	51106	TFB1M	0.78647	0.309106	10.049	9.98454	1.04571
1	hcs031g05	6455	SH3GL1	0.557831	0.697178	9.87198	10.4766	0.657643
5	hcs031g05	6455	SH3GL1	0.481067	-0.858527	9.94472	10.1636	-1.16385
7	hcs031g05	6455	SH3GL1	0.193777	-1.92723	9.91601	10.2423	-1.25378
3	hcs031g11	51162	EGFL7	0.727752	-0.400132	9.54127	9.62662	-1.06095
5	hcs031g11	51162	EGFL7	0.196339	1.90988	9.26984	9.12058	1.109
1	hcs031h01			0.374653	-1.13331	9.52021	9.38525	1.09807
3	hcs031h01			0.132578	-2.4654	9.18934	9.69214	-1.41696
5	hcs031h01			0.952038	-0.0679062	9.72247	9.73277	-1.00717
1	hcs031h05	51011	FAHD2A	0.947117	0.0748923	9.71047	9.73335	0.984268
3	hcs031h05	51011	FAHD2A	0.273352	-1.49581	10.2567	10.4344	-1.13111
5	hcs031h05	51011	FAHD2A	0.0837665	-3.23416	9.78832	9.93284	-1.10537
5	hcs032a04	6651	SON	0.538694	-0.735297	9.46476	9.78435	-1.24798
1	hcs032a06	16	AARS	0.194061	1.92529	9.87188	10.657	0.580312
3	hcs032a06	16	AARS	0.576685	0.660783	10.9401	10.6571	1.21675
5	hcs032a06	16	AARS	0.515651	-0.782937	10.3221	10.5569	-1.17675
7	hcs032a06	16	AARS	0.146159	-2.31976	9.8051	10.4128	-1.5238
1	hcs032b11	7057	THBS1	0.0070877	11.8148	10.5552	11.6864	0.456538
3	hcs032b11	7057	THBS1	0.291032	-1.42169	10.74	11.6351	-1.85976
5	hcs032b11	7057	THBS1	0.280376	-1.46566	11.1166	11.6234	-1.42093

7	hcs032b11	7057	THBS1	0.650175	-0.528094	10.9141	11.233	-1.24738
1	hcs032c04	9878	TOX4	0.604495	0.608982	9.66336	9.91568	0.839545
5	hcs032c04	9878	TOX4	0.387027	-1.09716	9.72549	10.0485	-1.25098
7	hcs032c04	9878	TOX4	0.699964	-0.444808	9.61507	9.69574	-1.05751
1	hcs032c07	10970	CKAP4	0.342142	1.23529	10.1699	10.4423	0.827939
3	hcs032c07	10970	CKAP4	0.885126	-0.163539	10.5562	10.6124	-1.0397
5	hcs032c07	10970	CKAP4	0.0235647	-6.39862	10.275	10.5034	-1.17155
7	hcs032c07	10970	CKAP4	0.0245084	-6.26965	9.69393	10.2099	-1.42994
3	hcs032c09	2908	NR3C1	0.919557	0.114134	9.9378	9.90488	1.02308
5	hcs032c09	2908	NR3C1	0.782112	-0.315726	9.4478	9.50613	-1.04126
1	hcs032c11	25792	CIZ1	0.0115231	-9.23499	9.75233	9.24377	1.42263
3	hcs032c11	25792	CIZ1	0.266959	-1.52411	9.72822	9.86693	-1.10092
5	hcs032c11	25792	CIZ1	0.091725	3.07021	9.70548	9.45673	1.18818
5	hcs032c12	54946	SLC41A3	0.28992	1.42618	9.53665	9.181	1.27957
1	hcs032d02	8568	RRP1	0.149608	-2.28573	9.82946	9.24435	1.50016
5	hcs032d02	8568	RRP1	0.147133	-2.31003	9.18188	9.37913	-1.14651
7	hcs032d02	8568	RRP1	0.7154	0.419847	9.25412	9.21437	1.02794
5	hcs032d04	159	ADSS	0.628162	-0.566476	10.396	10.6117	-1.16128
1	hcs032d06	9703	KIAA0100	0.548625	0.71536	9.37515	9.55262	0.88425
5	hcs032d06	9703	KIAA0100	0.406365	-1.04324	10.0909	10.3066	-1.16122
7	hcs032d06	9703	KIAA0100	0.359827	-1.17847	9.31344	9.56972	-1.19439
5	hcs032e02	51663	ZFR	0.286844	-1.43873	9.3678	10.336	-1.95644
1	hcs032e05	?	?	0.398001	-1.0662	10.1971	10.1774	1.01372
3	hcs032e05	?	?	0.47035	0.883074	10.7933	10.5193	1.20914
5	hcs032e05	?	?	0.278047	-1.47555	10.3082	10.6333	-1.25273
3	hcs032e06			0.0822424	3.26812	10.8294	10.4021	1.34471
5	hcs032e06			0.414011	1.0227	11.0707	10.8335	1.17866
1	hcs032e08	?	?	0.720637	0.411461	9.79967	9.86606	0.955023
3	hcs032e08	?	?	0.559754	0.693416	10.2876	10.2129	1.05318
5	hcs032e08	?	?	0.356193	-1.18988	9.65513	9.87756	-1.1667
7	hcs032e08	?	?	0.717772	-0.416044	9.28705	9.42138	-1.09759
5	hcs032e10	9882	TBC1D4	0.568018	-0.677378	9.88348	10.1516	-1.2042
3	hcs032e11			0.143594	2.3458	10.3097	9.97766	1.25881
5	hcs032e11			0.17799	-2.04136	9.64563	10.0901	-1.36081
3	hcs032f03			0.772297	-0.330708	10.0253	10.0752	-1.0352
5	hcs032f03			0.360193	-1.17734	9.58558	9.92647	-1.26654
3	hcs032f05	2683	B4GALT1	0.454357	-0.92081	10.3599	10.478	-1.08529
5	hcs032f05	2683	B4GALT1	0.118067	-2.64597	9.75555	10.1715	-1.33416
5	hcs032f06			0.946713	0.0754659	10.0504	10.043	1.00516
1	hcs032f07	1291	COL6A1	0.597562	0.621699	9.78716	9.82564	0.973678
3	hcs032f07	1291	COL6A1	0.649321	0.529565	9.78491	9.753	1.02236
5	hcs032f07	1291	COL6A1	0.78291	-0.314512	9.44045	9.49061	-1.03538
5	hcs032f11	54910	SEMA4C	0.117238	-2.65721	9.04875	9.38912	-1.26608
1	hcs033a03	3689	ITGB2	0.491089	0.836074	9.01392	9.48261	0.722621
5	hcs033a03	3689	ITGB2	0.179334	-2.03112	8.92203	9.76222	-1.79029
1	hcs033a05	5518	PPP2R1A	0.608377	0.601916	10.3404	10.6364	0.814489
3	hcs033a05	5518	PPP2R1A	0.104908	2.83899	11.1932	10.7	1.40756

5	hcs033a05	5518	PPP2R1A	0.572562	0.66865	10.533	10.4932	1.02794
7	hcs033a05	5518	PPP2R1A	0.84572	-0.220828	10.285	10.3289	-1.03094
5	hcs033a12	?	?	0.369159	-1.1498	8.98544	9.33553	-1.27465
5	hcs033b03	57168	ASPHD2	0.462122	-0.902319	9.79083	10.0888	-1.22941
1	hcs033b10	567	B2M	0.678678	0.479864	10.6686	10.8302	0.894033
3	hcs033b10	567	B2M	0.695525	0.452056	11.0031	10.9362	1.04751
5	hcs033b10	567	B2M	0.0768935	3.39485	11.2758	10.7878	1.40253
7	hcs033b10	567	B2M	0.496293	-0.824598	10.1986	10.2804	-1.05835
1	hcs033b11	83861	RSPH3	0.126743	-2.53452	9.94579	9.61696	1.256
5	hcs033b11	83861	RSPH3	0.478214	-0.865006	8.81942	9.01864	-1.14807
1	hcs033c09	7106	TSPAN4	0.326631	-1.28808	9.83807	9.74027	1.07014
5	hcs033c09	7106	TSPAN4	0.799185	-0.289901	9.89768	9.91665	-1.01324
7	hcs033c09	7106	TSPAN4	0.456537	-0.915586	9.41406	9.5225	-1.07806
1	hcs033c11			0.864524	0.193375	9.47447	9.49617	0.985074
5	hcs033c11			0.142054	2.36174	9.69264	9.34309	1.27417
1	hcs033c12	3678	ITGA5	0.210024	1.8221	10.1651	10.3823	0.860213
3	hcs033c12	3678	ITGA5	0.269599	-1.51232	10.0464	10.4264	-1.30134
5	hcs033c12	3678	ITGA5	0.0895264	-3.11341	10.1831	10.4241	-1.18179
7	hcs033c12	3678	ITGA5	0.280166	-1.46655	9.84207	10.2004	-1.28194
3	hcs033d01	5993	RFX5	0.20236	1.87029	10.4242	10.2361	1.13923
5	hcs033d01	5993	RFX5	0.594834	-0.626738	10.4759	10.7641	-1.2211
7	hcs033d01	5993	RFX5	0.733413	0.391167	9.71479	9.62853	1.06161
1	hcs033d03	8639	AOC3	0.116121	2.67255	9.82691	10.331	0.705123
3	hcs033d03	8639	AOC3	0.649349	0.529516	10.6848	10.607	1.05543
5	hcs033d03	8639	AOC3	0.313344	-1.33576	11.0289	11.4243	-1.31537
7	hcs033d03	8639	AOC3	0.490012	-0.838465	9.45234	10.2115	-1.69252
5	hcs033d05	388341	C17orf76	0.731018	-0.394953	10.4836	10.719	-1.17725
5	hcs033d06	23171	GPD1L	0.520287	-0.77319	10.4728	10.7317	-1.19659
1	hcs033d11	?	?	0.947831	-0.0738789	9.51403	9.50746	1.00456
3	hcs033d11	?	?	0.898748	0.143932	10.0697	10.0482	1.01501
5	hcs033d11	?	?	0.183571	-1.99951	9.59643	9.993	-1.31637
7	hcs033d11	?	?	0.523392	-0.766709	8.97482	9.3617	-1.30756
5	hcs033e03	?	?	0.61206	-0.595247	9.52367	9.73528	-1.15798
5	hcs033e04			0.670673	0.493254	9.97495	9.8368	1.10049
3	hcs033e05	8671	SLC4A4	0.868607	-0.187442	11.0637	11.1432	-1.05661
3	hcs033e06	?	?	0.322235	1.30359	10.54	10.355	1.13679
5	hcs033e06	?	?	0.348369	-1.2149	9.96584	10.3893	-1.34117
1	hcs033e07	39	ACAT2	0.225977	1.72885	10.9245	12.0514	0.457899
3	hcs033e07	39	ACAT2	0.383924	-1.1061	11.476	11.9932	-1.43117
7	hcs033e07	39	ACAT2	0.863519	0.194836	11.4926	11.3382	1.11298
1	hcs033e08			0.536256	0.740244	9.69011	9.74762	0.960921
3	hcs033e08			0.857289	-0.20391	10.0023	10.052	-1.03506
5	hcs033e08			0.0672157	-3.6599	9.74558	10.17	-1.34208
1	hcs033e11			0.306312	-1.36201	9.49044	9.37367	1.0843
5	hcs033e11			0.268016	-1.51937	9.3179	9.43704	-1.08609
5	hcs033f01	254958	REXO1L1	0.471234	-0.881027	9.85249	10.6696	-1.76185
1	hcs033f05	55585	UBE2Q1	0.295664	1.4032	9.97158	10.2377	0.831563



3	hcs033f05	55585	UBE2Q1	0.0822543	3.26785	10.7002	10.4952	1.15267
5	hcs033f05	55585	UBE2Q1	0.578373	-0.657577	10.0752	10.2579	-1.13503
7	hcs033f05	55585	UBE2Q1	0.596475	-0.623705	9.8229	9.92199	-1.0711
1	hcs033f11			0.255075	-1.57908	9.7002	9.44873	1.19042
1	hcs033f12	57727	NCOA5	0.6838	0.471358	11.026	11.4885	0.725711
5	hcs033f12	57727	NCOA5	0.447285	0.937946	11.6762	11.4348	1.18214
7	hcs033f12	57727	NCOA5	0.715139	-0.420266	10.5641	10.8973	-1.25982
5	hcs033g01	?	?	0.494874	-0.827716	9.50497	9.9515	-1.36276
1	hcs033g02	79586	CHPF	0.104825	2.84031	9.82422	10.2065	0.767217
3	hcs033g02	79586	CHPF	0.931735	-0.0967667	10.245	10.26	-1.01047
5	hcs033g02	79586	CHPF	0.480401	-0.860035	10.3056	10.4422	-1.09931
7	hcs033g02	79586	CHPF	0.0356254	-5.15547	9.49445	9.87711	-1.30374
1	hcs033g05	55633	TBC1D22B	0.211072	-1.81568	9.54328	9.31795	1.16904
3	hcs033g05	55633	TBC1D22B	0.135765	2.42942	9.97022	9.5961	1.29605
5	hcs033g05	55633	TBC1D22B	0.127792	2.52177	9.76008	9.33529	1.34237
1	hcs033g07	55957	LIN37	0.694776	0.453282	9.60773	9.70906	0.932175
3	hcs033g07	55957	LIN37	0.0851809	-3.20343	9.91781	9.94571	-1.01952
5	hcs033g07	55957	LIN37	0.941404	-0.0830097	9.88897	9.90142	-1.00867
1	hcs033g11	51130	ASB3	0.41072	-1.03149	9.64218	9.39785	1.18454
3	hcs033g11	51130	ASB3	0.0114759	-9.2543	9.5014	9.67863	-1.13071
5	hcs033g11	51130	ASB3	0.786658	0.308821	9.4018	9.36229	1.02777
1	hcs033g12	231	AKR1B1	0.252621	-1.59085	11.3351	10.8112	1.43784
3	hcs033g12	231	AKR1B1	0.0182455	7.30154	11.1812	10.144	2.05218
5	hcs033g12	231	AKR1B1	0.0186984	7.21007	11.9243	10.6947	2.34491
7	hcs033g12	231	AKR1B1	0.163104	2.16228	12.1894	10.1627	4.07472
5	hcs033h02	5286	PIK3C2A	0.349946	-1.2098	9.49268	10.2431	-1.68228
1	hcs033h07	5829	PXN	0.42115	1.0039	9.8267	10.6896	0.549849
3	hcs033h07	5829	PXN	0.245753	1.62455	11.6493	11.2303	1.33694
5	hcs033h07	5829	PXN	0.442129	-0.950622	10.9954	11.1914	-1.14552
7	hcs033h07	5829	PXN	0.068829	-3.61201	9.73483	10.4114	-1.59835
3	hcs033h08	51027	BOLA1	0.621582	-0.578159	9.83043	10.0955	-1.20166
1	hcs033h10	3313	HSPA9	0.691017	-0.45945	9.67359	9.59241	1.05788
5	hcs033h10	3313	HSPA9	0.290491	-1.42387	9.65882	9.88082	-1.16635
1	hcs033h12	1381	CRABP1	0.256695	-1.5714	9.83953	9.72436	1.08311
3	hcs033h12	1381	CRABP1	0.856023	0.205758	9.9571	9.90388	1.03758
5	hcs033h12	1381	CRABP1	0.894104	-0.150606	9.61031	9.62855	-1.01272
7	hcs033h12	1381	CRABP1	0.964992	-0.0495389	9.35127	9.36026	-1.00625
1	hcs034a09	9818	NUPL1	0.153201	-2.25141	10.0915	9.72827	1.2863
3	hcs034a09	9818	NUPL1	0.300348	1.38486	10.2359	10.0089	1.17037
5	hcs034a09	9818	NUPL1	0.0181265	7.32615	10.189	9.76227	1.34421
7	hcs034a09	9818	NUPL1	0.554035	0.704642	9.49852	9.39637	1.07337
1	hcs034a12	170954	KIAA1949	0.917183	0.117525	9.50357	9.53435	0.978889
3	hcs034a12	170954	KIAA1949	0.743653	0.375063	9.50755	9.36244	1.10581
5	hcs034a12	170954	KIAA1949	0.586805	-0.641685	9.43538	9.70103	-1.20218
3	hcs034b04	23468	CBX5	0.763661	-0.343979	10.3315	10.4459	-1.0825
1	hcs034b06	?	?	0.758142	-0.352503	9.66627	9.5963	1.04969
1	hcs034b11	1975	EIF4B	0.67373	0.488128	10.6249	10.8355	0.864198

3	hcs034b11	1975	EIF4B	0.269242	1.51391	10.8833	10.7568	1.09162
5	hcs034b11	1975	EIF4B	0.794704	-0.296651	10.8271	10.8722	-1.03178
7	hcs034b11	1975	EIF4B	0.265112	-1.53245	10.1427	10.547	-1.32339
1	hcs034c02	201163	FLCN	0.390439	1.08743	9.47293	9.59771	0.917146
5	hcs034c02	201163	FLCN	0.233269	-1.68905	9.63329	9.82438	-1.14163
3	hcs034c04	51371	POMP	0.0203081	6.9099	10.3312	10.1236	1.15479
5	hcs034c04	51371	POMP	0.493474	0.8308	10.683	10.4615	1.16595
5	hcs034c05	55959	SULF2	0.195381	1.91633	11.2361	10.8517	1.30531
1	hcs034c06			0.181275	2.01651	10.775	11.7886	0.49532
3	hcs034c06			0.306619	-1.36085	11.2961	11.5429	-1.1866
5	hcs034c06			0.245786	1.62439	11.7398	11.321	1.33678
7	hcs034c06			0.874641	0.178694	11.2283	11.0904	1.10029
5	hcs034c09	53405	CLIC5	0.715954	-0.418958	9.84904	9.87366	-1.01721
5	hcs034c11	84336	TMEM101	0.858796	0.201714	9.36572	9.33269	1.02316
3	hcs034d01			0.520828	0.772058	10.0274	9.61886	1.32731
1	hcs034d05	5360	PLTP	0.397	1.06898	9.31525	10.2991	0.505618
3	hcs034d05	5360	PLTP	0.463525	0.899011	10.5517	10.0705	1.39587
5	hcs034d05	5360	PLTP	0.373329	1.13726	9.65753	9.5612	1.06906
7	hcs034d05	5360	PLTP	0.214547	-1.79473	9.75929	10.1022	-1.26832
3	hcs034d07	2	A2M	0.486776	0.84568	10.2286	9.64244	1.50129
1	hcs034e05	57130	ATP13A1	0.135056	-2.43732	10.1749	9.91291	1.19913
3	hcs034e05	57130	ATP13A1	0.130623	2.48808	10.4664	10.2104	1.19412
5	hcs034e05	57130	ATP13A1	0.45485	0.919628	10.6788	10.5976	1.05792
1	hcs034e06	5861	RAB1A	0.136007	2.42674	10.332	10.5331	0.869867
3	hcs034e06	5861	RAB1A	0.043607	4.63068	11.0022	10.7537	1.18797
5	hcs034e06	5861	RAB1A	0.44002	0.955855	10.7833	10.6756	1.07748
7	hcs034e06	5861	RAB1A	0.39137	-1.08479	9.96888	10.0204	-1.03637
1	hcs034e09	2547	XRCC6	0.203986	-1.85986	10.5407	10.2599	1.2149
3	hcs034e09	2547	XRCC6	0.77637	0.324478	10.9984	10.926	1.05149
5	hcs034e09	2547	XRCC6	0.341495	1.23744	10.8336	10.6634	1.12519
7	hcs034e09	2547	XRCC6	0.188866	-1.96135	10.2236	10.4747	-1.19014
1	hcs034e12	5754	PTK7	0.406195	-1.0437	13.2811	12.8133	1.38297
3	hcs034e12	5754	PTK7	0.185559	1.98501	13.1067	12.2971	1.75273
5	hcs034e12	5754	PTK7	0.238267	1.66271	13.2511	12.423	1.77539
7	hcs034e12	5754	PTK7	0.10546	2.83021	13.0634	12.1661	1.86253
1	hcs034f07	3306	HSPA2	0.722938	0.407789	9.31452	9.66844	0.782453
3	hcs034f07	3306	HSPA2	0.604481	0.609009	10.1439	9.76977	1.29606
5	hcs034f07	3306	HSPA2	0.12492	2.55703	11.1065	10.8415	1.20164
7	hcs034f07	3306	HSPA2	0.646906	-0.533729	9.2787	9.75672	-1.39283
1	hcs034f08	51429	SNX9	0.831136	-0.24229	9.66161	9.64321	1.01283
3	hcs034f08	51429	SNX9	0.180336	2.02355	10.5537	10.1979	1.27972
5	hcs034f08	51429	SNX9	0.38337	1.10771	9.79927	9.56747	1.1743
1	hcs034g01	27243	CHMP2A	0.219508	-1.76559	9.77276	9.54698	1.16941
3	hcs034g01	27243	CHMP2A	0.522407	-0.768761	10.0353	10.1351	-1.07163
5	hcs034g01	27243	CHMP2A	0.315774	-1.32687	10.1701	10.4774	-1.23744
1	hcs034g05	780	DDR1	0.948828	0.0724629	9.97886	10.0054	0.981777
3	hcs034g05	780	DDR1	0.277626	1.47735	10.6908	10.4238	1.20327

5	hcs034g05	780	DDR1	0.0279936	5.8506	10.2425	9.95832	1.21776
1	hcs034g07	23024	PDZRN3	0.362885	1.16899	10.1367	10.2833	0.903364
5	hcs034g07	23024	PDZRN3	0.519013	0.775861	10.6521	10.3972	1.19329
1	hcs034g09	8904	CPNE1	0.457554	-0.913156	9.92923	9.82011	1.07857
3	hcs034g09	8904	CPNE1	0.630018	0.563199	9.93181	9.90074	1.02177
5	hcs034g09	8904	CPNE1	0.157981	2.20744	9.86971	9.70341	1.12218
7	hcs034g09	8904	CPNE1	0.130371	-2.49104	9.5002	9.69903	-1.14777
1	hcs034g10	5687	PSMA6	0.0819011	-3.27585	10.1627	9.9634	1.14814
5	hcs034g10	5687	PSMA6	0.908317	0.130208	9.76463	9.72971	1.0245
3	hcs034g12	65991	FUNDC2	0.533107	-0.746665	9.74173	9.79616	-1.03845
5	hcs034g12	65991	FUNDC2	0.320272	-1.3106	9.38647	9.5053	-1.08585
1	hcs034h02	393	ARHGAP4	0.436356	0.965008	9.26823	10.0015	0.601529
1	hcs034h03	5970	RELA	0.623791	0.574225	10.3018	10.776	0.719891
5	hcs034h03	5970	RELA	0.131331	2.47981	10.9664	10.2879	1.60052
7	hcs034h03	5970	RELA	0.138934	2.39479	11.066	10.2595	1.74892
5	hcs034h06	9093	DNAJA3	0.767213	0.33851	11.0838	10.9935	1.0646
1	hcs034h07			0.596674	0.623338	9.69663	10.2692	0.672401
3	hcs034h07			0.297301	1.39675	10.5212	9.9016	1.53651
5	hcs034h07			0.707613	-0.432393	9.83453	9.87443	-1.02804
7	hcs034h07			0.206354	-1.84488	9.59903	10.1813	-1.49717
1	hcs034h10	64769	MEAF6	0.184553	-1.99232	9.78002	9.61482	1.12132
1	hcs035a01	7852	CXCR4	0.203832	-1.86084	9.93433	9.60197	1.25907
3	hcs035a01	7852	CXCR4	0.660008	-0.511279	10.0778	10.1557	-1.05547
5	hcs035a01	7852	CXCR4	0.347574	1.21748	10.2623	9.37065	1.85526
7	hcs035a01	7852	CXCR4	0.573575	-0.666711	9.52748	9.6018	-1.05286
1	hcs035a02	27183	VPS4A	0.373519	1.13669	10.2211	10.4916	0.829047
3	hcs035a02	27183	VPS4A	0.437653	0.961757	11.0602	10.9328	1.09231
5	hcs035a02	27183	VPS4A	0.28428	-1.44931	10.2099	10.8674	-1.57739
7	hcs035a02	27183	VPS4A	0.410351	-1.03248	9.94501	10.2337	-1.22151
3	hcs035a03	8880	FUBP1	0.044635	4.57333	10.3155	10.0265	1.22177
5	hcs035a03	8880	FUBP1	0.943071	0.0806405	9.78515	9.77076	1.01002
1	hcs035a04	5573	PRKAR1A	0.388651	1.09252	10.5454	10.7171	0.887796
3	hcs035a04	5573	PRKAR1A	0.82145	0.256632	10.8511	10.8099	1.02899
5	hcs035a04	5573	PRKAR1A	0.0200685	6.95229	11.3639	10.8055	1.47264
7	hcs035a04	5573	PRKAR1A	0.957817	0.0597083	10.5571	10.5361	1.01464
5	hcs035a06	4216	MAP3K4	0.125683	-2.54756	10.2137	10.6465	-1.34982
1	hcs035a07	3066	HDAC2	0.831298	0.242051	10.2972	10.3857	0.9405
3	hcs035a07	3066	HDAC2	0.470804	-0.882023	10.6936	10.8457	-1.11116
5	hcs035a07	3066	HDAC2	0.0011917	28.9418	11.0213	10.4255	1.51128
7	hcs035a07	3066	HDAC2	0.763945	0.343541	10.3728	10.2259	1.10717
1	hcs035a08	51503	CWC15	0.952189	-0.0676928	10.1631	10.1565	1.0046
3	hcs035a08	51503	CWC15	0.83461	0.237162	10.561	10.507	1.03812
5	hcs035a08	51503	CWC15	0.0796446	3.32814	10.4952	10.159	1.26238
7	hcs035a08	51503	CWC15	0.813746	0.268095	9.9452	9.87633	1.04889
1	hcs035a09	118429	ANTXR2	0.845367	0.221347	9.53484	9.59116	0.961714
3	hcs035a09	118429	ANTXR2	0.561141	0.690708	10.2647	10.1721	1.06635
5	hcs035a09	118429	ANTXR2	0.0413461	4.7641	10.4193	9.73337	1.60877

7	hcs035a09	118429	ANTXR2	0.403487	1.05108	9.68049	9.37195	1.23846
5	hcs035a12	7360	UGP2	0.863991	-0.19415	9.61398	9.67745	-1.04498
1	hcs035b02	80185	C8orf41	0.513913	0.786615	9.76607	9.86546	0.933427
3	hcs035b02	80185	C8orf41	0.311578	-1.34229	10.0574	10.4217	-1.28726
5	hcs035b02	80185	C8orf41	0.0287147	-5.77344	9.83056	9.92473	-1.06745
3	hcs035b07	4659	PPP1R12A	0.260963	-1.55145	10.8855	11.2857	-1.31962
1	hcs035b08	3998	LMAN1	0.660495	0.510451	9.87288	10.2604	0.764419
3	hcs035b08	3998	LMAN1	0.0472233	-4.43712	9.9454	10.7581	-1.75646
5	hcs035b08	3998	LMAN1	0.561549	-0.689913	10.5283	10.7197	-1.1419
7	hcs035b08	3998	LMAN1	0.284557	-1.44816	9.71455	10.6531	-1.91656
1	hcs035b09	1213	CLTC	0.573995	0.66591	10.3209	10.4812	0.89481
3	hcs035b09	1213	CLTC	0.826339	0.249384	10.5051	10.4059	1.07124
5	hcs035b09	1213	CLTC	0.0222134	6.59723	10.9581	10.533	1.34265
7	hcs035b09	1213	CLTC	0.473505	-0.875789	9.90853	10.1306	-1.16643
1	hcs035b11	?	?	0.753377	0.359894	11.5133	11.5903	0.948049
3	hcs035b11	?	?	0.869924	0.185531	11.4609	11.4209	1.02816
5	hcs035b11	?	?	0.876783	-0.175593	11.5327	11.5599	-1.01899
7	hcs035b11	?	?	0.226804	-1.72425	11.2976	11.3862	-1.06336
1	hcs035b12	127602	DNAH14	0.0159755	7.81663	9.86027	10.0964	0.849014
3	hcs035b12	127602	DNAH14	0.474432	-0.873656	9.89736	10.1003	-1.15107
5	hcs035b12	127602	DNAH14	0.850274	-0.214159	9.95259	9.99387	-1.02902
7	hcs035b12	127602	DNAH14	0.524898	-0.763578	9.64498	9.80052	-1.11384
5	hcs035c02	257415	FAM133B	0.478468	-0.864428	9.85712	10.4991	-1.56047
1	hcs035c04	7458	EIF4H	0.648556	0.530882	12.0336	12.0883	0.962795
3	hcs035c04	7458	EIF4H	0.63139	0.560781	12.0495	11.9249	1.09016
5	hcs035c04	7458	EIF4H	0.19602	1.91203	12.4297	12.2265	1.1512
7	hcs035c04	7458	EIF4H	0.272235	-1.50069	11.7062	11.993	-1.2199
1	hcs035c05	6625	SNRNP70	0.831011	0.242473	10.3911	10.4612	0.952561
3	hcs035c05	6625	SNRNP70	0.999394	0.0008576	10.5927	10.5924	1.00022
5	hcs035c05	6625	SNRNP70	0.439363	-0.957489	10.2713	10.676	-1.32382
7	hcs035c05	6625	SNRNP70	0.301412	-1.38074	9.91245	10.262	-1.27419
1	hcs035c07	376497	SLC27A1	0.377995	-1.12341	9.53156	9.38085	1.11011
3	hcs035c07	376497	SLC27A1	0.915357	-0.120134	10.2244	10.2624	-1.02668
5	hcs035c07	376497	SLC27A1	0.389734	1.08943	10.0069	9.66706	1.26565
7	hcs035c07	376497	SLC27A1	0.179161	-2.03243	9.20605	9.43897	-1.17521
1	hcs035d01	10521	DDX17	0.768584	-0.336403	11.5251	11.4718	1.03764
3	hcs035d01	10521	DDX17	0.461715	0.903279	11.7918	11.5016	1.22275
5	hcs035d01	10521	DDX17	0.12554	2.54933	12.0163	11.5462	1.38524
7	hcs035d01	10521	DDX17	0.830293	0.243535	11.4118	11.3612	1.03574
1	hcs035d05			0.273419	-1.49552	9.74737	9.59536	1.11112
3	hcs035d05			0.610077	-0.598833	10.3674	10.4871	-1.08653
5	hcs035d05			0.201891	-1.87331	9.53608	9.64188	-1.07609
1	hcs035d06	55754	TMEM30A	0.307518	1.35746	9.68296	10.2469	0.676432
3	hcs035d06	55754	TMEM30A	0.324711	-1.29482	10.0425	10.1282	-1.06126
5	hcs035d06	55754	TMEM30A	0.456019	0.916824	10.4667	10.3242	1.10377
7	hcs035d06	55754	TMEM30A	0.666607	-0.500101	9.60833	10.0546	-1.36251
1	hcs035d07	4723	NDUFV1	0.397559	1.06743	10.6006	10.836	0.849469

3	hcs035d07	4723	NDUFV1	0.99238	-0.010776	10.7422	10.7449	-1.00187
5	hcs035d07	4723	NDUFV1	0.530398	0.752218	10.9912	10.8836	1.07746
7	hcs035d07	4723	NDUFV1	0.600562	0.616181	10.7323	10.6848	1.03345
5	hcs035d08	22900	CARD8	0.478312	0.864784	9.50289	9.22753	1.2103
1	hcs035d09	1967	EIF2B1	0.911369	0.125839	9.77669	9.80749	0.978875
3	hcs035d09	1967	EIF2B1	0.630131	-0.563	9.50503	9.67738	-1.12689
5	hcs035d09	1967	EIF2B1	0.650137	0.52816	9.57324	9.51181	1.0435
1	hcs035d10	4638	MYLK	0.341193	1.23844	9.91762	10.2809	0.777377
3	hcs035d10	4638	MYLK	0.856465	0.205114	10.2867	10.2316	1.03895
5	hcs035d10	4638	MYLK	0.142594	2.35612	10.9007	10.2638	1.55505
7	hcs035d10	4638	MYLK	0.375107	1.13196	10.1851	9.81641	1.29117
1	hcs035d11	9415	FADS2	0.14982	2.28367	10.2436	10.5114	0.830566
3	hcs035d11	9415	FADS2	0.309269	1.35089	11.0054	10.1422	1.81904
5	hcs035d11	9415	FADS2	0.0724273	3.5108	11.5971	10.4181	2.26422
7	hcs035d11	9415	FADS2	0.0381123	4.97473	11.0685	10.1773	1.85476
1	hcs035d12	7205	TRIP6	0.49945	0.817694	10.387	10.4587	0.951516
3	hcs035d12	7205	TRIP6	0.407907	1.03906	10.4093	10.1056	1.23435
5	hcs035d12	7205	TRIP6	0.220112	1.76209	10.6603	10.2756	1.30565
7	hcs035d12	7205	TRIP6	0.293492	1.41182	10.111	9.995	1.08369
1	hcs035f01	10564	ARFGEF2	0.308291	1.35455	8.93954	9.51919	0.669124
5	hcs035f01	10564	ARFGEF2	0.182155	-2.00995	9.23574	9.7756	-1.45383
1	hcs035f04			0.589505	0.636639	9.62095	9.78653	0.891568
3	hcs035f04			0.513693	-0.787081	9.77613	10.2616	-1.40009
5	hcs035f04			0.105063	-2.83652	9.56951	10.0756	-1.42016
7	hcs035f04			0.104391	2.84726	9.86786	9.59254	1.21026
1	hcs035f05	140890	SREK1	0.996464	-0.0050001	10.8185	10.8176	1.00065
5	hcs035f05	140890	SREK1	0.065988	3.69748	11.1204	10.7214	1.31856
7	hcs035f05	140890	SREK1	0.080455	3.30912	10.7398	10.6255	1.0824
1	hcs035g01	55626	AMBRA1	0.269662	-1.51204	10.496	10.2211	1.20992
3	hcs035g01	55626	AMBRA1	0.230393	-1.70455	10.2954	10.4883	-1.14307
5	hcs035g01	55626	AMBRA1	0.65598	0.518144	10.4111	10.3339	1.05499
7	hcs035g01	55626	AMBRA1	0.352201	1.20256	10.3044	10.1927	1.08053
5	hcs035g03			0.801935	-0.285768	11.0498	11.1295	-1.05684
1	hcs035g04	3190	HNRNPK	0.0634789	-3.77752	11.5867	11.2785	1.23813
3	hcs035g04	3190	HNRNPK	0.0434843	4.63766	11.8775	11.3752	1.41649
5	hcs035g04	3190	HNRNPK	0.992769	-0.0102266	11.3664	11.3696	-1.00217
7	hcs035g04	3190	HNRNPK	0.006069	-12.7778	10.6267	11.1281	-1.41562
1	hcs035g05	84934	C12orf52	0.55113	-0.710385	10.1384	10.0578	1.05748
3	hcs035g05	84934	C12orf52	0.529061	0.75497	10.6862	10.53	1.11429
5	hcs035g05	84934	C12orf52	0.262449	-1.5446	10.0552	10.2172	-1.11882
7	hcs035g05	84934	C12orf52	0.741271	-0.378797	9.6227	9.7037	-1.05775
1	hcs035g07	80325	ABTB1	0.243223	-1.63728	9.91837	9.81993	1.07061
3	hcs035g07	80325	ABTB1	0.704928	-0.436741	10.178	10.225	-1.03309
5	hcs035g07	80325	ABTB1	0.304292	1.36969	10.0491	9.64821	1.32036
7	hcs035g07	80325	ABTB1	0.70757	-0.432463	9.49976	9.54733	-1.03352
1	hcs035g09			0.456676	0.915253	9.80887	10.0327	0.856299
3	hcs035g09			0.466921	-0.89105	10.2601	10.4597	-1.14833

5	hcs035g09			0.453472	0.922939	10.0125	9.82331	1.14015
7	hcs035g09			0.952637	0.0670565	9.85467	9.85162	1.00212
1	hcs035h06	440	ASNS	0.405324	1.04606	9.28778	9.48151	0.874342
5	hcs035h06	440	ASNS	0.526692	-0.75986	9.25399	9.62991	-1.29767
1	hcs035h07	5885	RAD21	0.95971	-0.0570245	9.88902	9.87847	1.00734
3	hcs035h07	5885	RAD21	0.0128447	8.73822	10.3572	10.0179	1.26509
5	hcs035h07	5885	RAD21	0.897851	-0.14522	9.60303	9.62714	-1.01685
3	hcs035h09	55002	TMCO3	0.161898	2.17274	10.3384	9.97265	1.28852
5	hcs035h09	55002	TMCO3	0.897584	0.145603	10.3427	10.3073	1.02482
1	hcs035h11	3030	HADHA	0.83014	-0.243761	10.1607	10.1229	1.02654
3	hcs035h11	3030	HADHA	0.166915	2.12993	9.93572	9.77472	1.11807
5	hcs035h11	3030	HADHA	0.925408	-0.105784	10.3245	10.3393	-1.01028
7	hcs035h11	3030	HADHA	0.187265	-1.97273	9.62938	9.92184	-1.22472
5	hcs036a02	3295	HSD17B4	0.632363	-0.559069	9.42118	9.84283	-1.33946
1	hcs036a03	1270	CNTF	0.317061	1.32218	10.1654	10.3985	0.850826
3	hcs036a03	1270	CNTF	0.236831	1.67021	11.0323	10.686	1.27127
5	hcs036a03	1270	CNTF	0.574177	-0.665562	10.7085	11.0719	-1.28647
7	hcs036a03	1270	CNTF	0.673857	-0.487914	10.1019	10.2214	-1.08633
5	hcs036a05	94239	H2AFV	0.765165	-0.341662	10.8751	11.0721	-1.1463
3	hcs036a08	9295	SRSF11	0.39923	1.06279	10.7479	10.4331	1.24387
5	hcs036a08	9295	SRSF11	0.297011	1.39789	10.3369	10.1182	1.16372
3	hcs036a09	6907	TBL1X	0.0323526	5.42381	11.1389	10.9335	1.15299
5	hcs036a09	6907	TBL1X	0.448768	-0.93433	9.6127	9.8677	-1.19333
7	hcs036a09	6907	TBL1X	0.574622	-0.664713	9.2785	9.6828	-1.32345
1	hcs036a12	5209	PFKFB3	0.0558966	-4.05025	9.87747	9.68141	1.14557
5	hcs036a12	5209	PFKFB3	0.76466	-0.342439	9.96729	10.076	-1.0783
1	hcs036b03	27173	SLC39A1	0.191919	-1.94	10.4902	10.1441	1.27111
3	hcs036b03	27173	SLC39A1	0.650833	0.526963	10.669	10.455	1.15987
5	hcs036b03	27173	SLC39A1	0.0241572	6.31678	10.8444	10.2621	1.49715
7	hcs036b03	27173	SLC39A1	0.0240161	6.33599	10.3409	9.95899	1.30309
1	hcs036b04	4015	LOX	0.0991193	2.93512	9.91788	11.2532	0.396295
3	hcs036b04	4015	LOX	0.158558	-2.20225	10.6937	11.5754	-1.84255
5	hcs036b04	4015	LOX	0.116528	-2.66694	10.8598	11.3076	-1.36396
7	hcs036b04	4015	LOX	0.116093	-2.67294	9.94217	11.2098	-2.40771
5	hcs036b08			0.268469	1.51735	9.38903	9.37803	1.00766
1	hcs036b11	91949	COG7	0.302679	-1.37586	9.81571	9.42244	1.31337
3	hcs036b11	91949	COG7	0.768125	-0.337108	9.31042	9.37966	-1.04916
5	hcs036b11	91949	COG7	0.494579	0.828364	9.50992	9.39141	1.08562
5	hcs036c01	2273	FHL1	0.49043	-0.837537	10.1551	10.6574	-1.41648
1	hcs036c02	25966	C2CD2	0.531434	0.750091	9.67194	9.83283	0.894475
3	hcs036c02	25966	C2CD2	0.714211	-0.421756	9.4591	9.75491	-1.22757
5	hcs036c02	25966	C2CD2	0.906276	-0.133132	10.1633	10.2	-1.02575
5	hcs036c03	10529	NEBL	0.113548	2.70868	10.9268	10.585	1.26737
1	hcs036c04	517	ATP5G2	0.445042	0.943442	11.6992	11.8722	0.886996
3	hcs036c04	517	ATP5G2	0.0357833	5.14345	12.0373	11.6711	1.28898
5	hcs036c04	517	ATP5G2	0.0713488	-3.54036	11.9045	12.0677	-1.11979
7	hcs036c04	517	ATP5G2	0.1449	-2.33245	11.0209	11.2818	-1.19823

1	hcs036c05	5682	PSMA1	0.380619	1.11571	10.2312	10.3791	0.902588
3	hcs036c05	5682	PSMA1	0.161959	2.1722	11.1667	10.7939	1.29485
5	hcs036c05	5682	PSMA1	0.496677	-0.823757	10.5163	10.9001	-1.30483
7	hcs036c05	5682	PSMA1	0.329904	-1.2767	9.73481	10.0189	-1.21764
5	hcs036c06	10565	ARFGEF1	0.611067	-0.597041	10.3232	10.6983	-1.29699
3	hcs036c07	55893	ZNF395	0.546695	0.719208	10.8794	10.6472	1.17461
5	hcs036c07	55893	ZNF395	0.5549	-0.702937	10.3924	10.7061	-1.24294
7	hcs036c07	55893	ZNF395	0.296028	-1.40176	9.54492	10.1144	-1.48399
5	hcs036c08	23552	CDK20	0.774316	-0.327618	10.091	10.2749	-1.13597
1	hcs036c09	11167	FSTL1	0.347039	1.21922	9.87975	10.1055	0.855172
3	hcs036c09	11167	FSTL1	0.817092	0.26311	10.5378	10.4468	1.06514
5	hcs036c09	11167	FSTL1	0.95457	-0.0643147	10.291	10.3212	-1.02115
3	hcs036d01	?	?	0.392898	-1.08048	9.05113	9.85277	-1.74308
5	hcs036d01	?	?	0.210094	-1.82167	9.03977	9.97057	-1.90632
7	hcs036d01	?	?	0.968506	0.0445611	9.13935	9.13249	1.00477
1	hcs036d03	2017	CTTN	0.236872	-1.66999	10.4667	10.339	1.09256
3	hcs036d03	2017	CTTN	0.292899	1.41419	10.8116	10.4779	1.26019
5	hcs036d03	2017	CTTN	0.169162	2.11132	10.7658	10.4674	1.22975
7	hcs036d03	2017	CTTN	0.11371	2.70637	10.2315	10.0908	1.10245
1	hcs036d04	25831	HECTD1	0.363666	1.16658	10.3178	10.5498	0.851473
3	hcs036d04	25831	HECTD1	0.445168	-0.943133	10.6319	10.7275	-1.06853
5	hcs036d04	25831	HECTD1	0.0114964	-9.24588	10.481	10.7065	-1.16924
7	hcs036d04	25831	HECTD1	0.399033	-1.06333	10.0332	10.3728	-1.2654
1	hcs036d05	55854	ZC3H15	0.0838361	3.23263	9.6449	9.77115	0.91621
3	hcs036d05	55854	ZC3H15	0.637391	0.550256	10.1644	10.0566	1.07764
5	hcs036d05	55854	ZC3H15	0.316169	-1.32543	9.78419	9.99689	-1.15886
7	hcs036d05	55854	ZC3H15	0.979281	0.0293079	9.69284	9.69009	1.00191
5	hcs036d06	80213	TM2D3	0.384091	-1.10562	8.96835	9.74986	-1.71893
1	hcs036d07	5691	PSMB3	0.99553	0.0063218	10.4132	10.4159	0.998112
3	hcs036d07	5691	PSMB3	0.0647529	3.73632	11.0398	10.4887	1.46521
5	hcs036d07	5691	PSMB3	0.616192	-0.587806	10.5323	10.7137	-1.13396
7	hcs036d07	5691	PSMB3	0.138958	-2.39452	10.0985	10.3471	-1.18803
1	hcs036d08	10060	ABCC9	0.449843	0.931715	9.24643	9.91342	0.629821
3	hcs036d08	10060	ABCC9	0.305585	1.36477	10.4587	9.67865	1.7172
5	hcs036d08	10060	ABCC9	0.400158	-1.06022	9.17883	9.27159	-1.06641
7	hcs036d08	10060	ABCC9	0.65578	-0.518485	9.34739	9.59177	-1.18459
1	hcs036d11	1891	ECH1	0.807381	-0.277602	10.159	10.1015	1.04064
3	hcs036d11	1891	ECH1	0.348071	1.21587	10.0302	9.8635	1.12245
5	hcs036d11	1891	ECH1	0.733296	-0.391352	10.1707	10.2175	-1.03293
7	hcs036d11	1891	ECH1	0.896434	0.147257	9.80047	9.7805	1.01394
1	hcs036e01	?	?	0.713938	-0.422196	10.239	10.1653	1.05238
3	hcs036e01	?	?	0.231295	1.69967	10.665	10.4587	1.15375
5	hcs036e01	?	?	0.463417	-0.899266	10.6773	11.0786	-1.32072
1	hcs036e03	5547	PRCP	0.19819	1.89754	10.1589	10.2594	0.932699
3	hcs036e03	5547	PRCP	0.35266	1.2011	10.7004	10.5446	1.11406
5	hcs036e03	5547	PRCP	0.869518	-0.186121	10.4292	10.4509	-1.01517
7	hcs036e03	5547	PRCP	0.335531	1.25743	10.0271	9.80667	1.16504

1	hcs036e04			0.832596	-0.240134	9.96559	9.91081	1.0387
3	hcs036e04			0.97936	0.0291957	10.4786	10.4693	1.00651
5	hcs036e04			0.455519	-0.918022	10.1663	10.4293	-1.19994
1	hcs036e06	2079	ERH	0.921857	-0.110849	10.8759	10.8548	1.01476
3	hcs036e06	2079	ERH	0.29649	1.39994	11.3375	11.1797	1.11561
5	hcs036e06	2079	ERH	0.270179	1.50975	11.0867	10.8183	1.20442
7	hcs036e06	2079	ERH	0.70728	-0.432933	10.475	10.5684	-1.06682
3	hcs036e08	6786	STIM1	0.214433	1.79541	10.608	10.3751	1.17515
5	hcs036e08	6786	STIM1	0.997655	-0.0033167	10.5066	10.5075	-1.00062
7	hcs036e08	6786	STIM1	0.577977	-0.658328	9.28715	9.5955	-1.23829
5	hcs036e09			0.796886	-0.293361	10.2428	10.4108	-1.12349
1	hcs036e12	55379	LRRC59	0.109508	-2.76781	10.7117	10.2901	1.33938
3	hcs036e12	55379	LRRC59	0.955065	0.0636117	10.5423	10.5266	1.01095
5	hcs036e12	55379	LRRC59	0.589872	-0.635955	10.1996	10.3293	-1.09407
1	hcs036f01			0.120242	2.61697	9.24376	9.64602	0.75667
3	hcs036f03	55740	ENAH	0.285678	-1.44352	9.31718	10.0354	-1.64511
5	hcs036f03	55740	ENAH	0.556987	-0.698833	9.65986	10.1114	-1.36747
5	hcs036f05	80301	PLEKHO2	0.0491831	-4.34106	9.35058	9.50808	-1.11536
7	hcs036f05	80301	PLEKHO2	0.136374	2.42268	9.53701	9.17429	1.28585
1	hcs036f06			0.900322	0.141671	9.85312	9.87346	0.986
3	hcs036f06			0.805145	0.280952	10.6441	10.6056	1.02709
5	hcs036f06			0.694675	-0.453447	9.8116	9.89498	-1.0595
7	hcs036f06			0.609417	0.60003	9.71695	9.61586	1.07258
1	hcs036f07	34	ACADM	0.436733	0.964062	9.23912	9.90482	0.630381
3	hcs036f07	34	ACADM	0.775402	-0.325957	9.89603	10.1794	-1.21703
5	hcs036f07	34	ACADM	0.214812	-1.79315	9.38932	10.1422	-1.68518
1	hcs036f08	200081	TXLNA	0.895781	0.148196	10.0841	10.1214	0.974509
3	hcs036f08	200081	TXLNA	0.0098589	9.99665	10.4388	10.0059	1.34995
5	hcs036f08	200081	TXLNA	0.988239	-0.0166341	10.278	10.2815	-1.00241
1	hcs036g01			0.344198	1.22851	9.68109	9.9064	0.855411
5	hcs036g01			0.592426	-0.631202	10.2009	10.5188	-1.24651
1	hcs036g02	6342	SCP2	0.282312	-1.45752	10.9485	10.7443	1.15205
3	hcs036g02	6342	SCP2	0.0142567	8.28529	11.3268	10.8277	1.41331
5	hcs036g02	6342	SCP2	0.554139	0.704437	10.9666	10.8054	1.11824
7	hcs036g02	6342	SCP2	0.636337	0.5521	10.5155	10.3674	1.1081
5	hcs036g03			0.88768	0.159856	10.6007	10.5285	1.05134
1	hcs036g05	30851	TAX1BP3	0.0127293	8.77849	9.66412	10.1005	0.738978
3	hcs036g05	30851	TAX1BP3	0.549341	0.713935	10.5868	10.4232	1.12001
5	hcs036g05	30851	TAX1BP3	0.28921	-1.42906	10.3965	10.7403	-1.26909
5	hcs036g07			0.0573322	-3.99461	9.98178	10.4137	-1.34903
3	hcs036g08	8720	MBTPS1	0.229611	1.70881	10.5865	10.2869	1.23079
5	hcs036g08	8720	MBTPS1	0.10712	2.80422	9.94638	9.71799	1.17152
1	hcs036g09			0.0967907	-2.97607	10.6278	10.3223	1.2358
3	hcs036g09			0.143312	2.3487	11.1041	10.7479	1.28006
5	hcs036g09			0.0622788	3.81745	10.9861	10.6235	1.28577
7	hcs036g09			0.110994	2.74571	10.3772	9.88679	1.40484
3	hcs036g10	6883	TAF12	0.890839	-0.155305	10.5367	10.5666	-1.02098



5	hcs036g10	6883	TAF12	0.488072	-0.842784	9.8045	9.97359	-1.12435
1	hcs036h01	?	?	0.179103	2.03287	9.70065	9.76055	0.959333
3	hcs036h01	?	?	0.675527	0.485121	10.0302	9.79444	1.17756
5	hcs036h01	?	?	0.223075	-1.74516	9.70639	10.2545	-1.46215
1	hcs036h03	8760	CDS2	0.61491	-0.59011	9.57145	9.5005	1.05041
3	hcs036h03	8760	CDS2	0.32717	-1.2862	10.0597	10.2753	-1.16114
5	hcs036h03	8760	CDS2	0.624452	-0.573051	9.63971	9.71923	-1.05667
7	hcs036h03	8760	CDS2	0.998985	-0.0014356	9.4595	9.45986	-1.00025
1	hcs036h04	219402	MTIF3	0.90789	0.13082	9.42119	9.44723	0.98211
3	hcs036h04	219402	MTIF3	0.820331	-0.258294	10.0407	10.0637	-1.0161
5	hcs036h04	219402	MTIF3	0.185171	1.98782	9.96703	9.89606	1.05042
7	hcs036h04	219402	MTIF3	0.406897	1.04179	9.46313	9.23802	1.16887
1	hcs036h05	79048	SECISBP2	0.405753	-1.0449	9.44874	9.24691	1.15016
3	hcs036h05	79048	SECISBP2	0.895429	0.148701	9.83807	9.79892	1.02751
5	hcs036h05	79048	SECISBP2	0.244922	1.62871	9.50267	9.39713	1.0759
7	hcs036h05	79048	SECISBP2	0.297519	1.39589	9.40339	9.24612	1.11517
5	hcs036h06	9129	PRPF3	0.464788	0.896044	10.0044	9.8638	1.10238
5	hcs036h09	27433	TOR2A	0.233488	-1.68789	9.77881	10.0213	-1.18302
5	hcs036h10	4931	NVL	0.324975	-1.29389	8.95463	9.29053	-1.26217
1	hcs036h11	?	?	0.345293	-1.22492	9.94327	9.82343	1.08661
3	hcs036h11	?	?	0.365212	-1.16182	9.8846	10.1419	-1.19526
5	hcs036h11	?	?	0.855432	-0.206621	9.85197	9.88514	-1.02326
7	hcs036h11	?	?	0.839218	0.230377	9.62288	9.61473	1.00567
1	hcs037b01	10130	PDIA6	0.119293	2.62954	10.333	10.8762	0.686231
3	hcs037b01	10130	PDIA6	0.204188	-1.85857	10.8804	11.1543	-1.20909
7	hcs037b01	10130	PDIA6	0.242816	-1.63934	9.93721	10.8569	-1.89176
5	hcs037b02	23032	USP33	0.414263	-1.02203	9.98412	10.8023	-1.76317
1	hcs037b03	10078	TSSC4	0.424823	-0.99437	10.48	9.60598	1.83276
3	hcs037b03	10078	TSSC4	0.395769	1.07242	10.5055	9.8724	1.55089
5	hcs037b03	10078	TSSC4	0.332618	-1.26736	9.35836	10.0227	-1.58487
7	hcs037b03	10078	TSSC4	0.578301	-0.657714	9.35979	10.0046	-1.56352
1	hcs037b04	90133	KRT8P12	0.981599	-0.0260269	10.6833	10.6785	1.00334
3	hcs037b04	90133	KRT8P12	0.335449	1.25771	11.3786	11.0424	1.26244
5	hcs037b04	90133	KRT8P12	0.336044	1.2557	11.2502	10.8117	1.35513
7	hcs037b04	90133	KRT8P12	0.153261	2.25084	10.7298	10.1605	1.48378
5	hcs037b06	?	?	0.362244	1.17097	10.9634	10.6457	1.24638
1	hcs037b08	64963	MRPS11	0.775947	-0.325125	9.97089	9.88655	1.0602
3	hcs037b08	64963	MRPS11	0.7822	0.315593	10.4778	10.4218	1.03959
5	hcs037b08	64963	MRPS11	0.934042	-0.0934819	9.98914	10.0066	-1.01215
7	hcs037b08	64963	MRPS11	0.521961	0.769691	9.5112	9.37924	1.09578
3	hcs037b09	526	ATP6V1B2	0.648191	0.531512	10.7174	10.5747	1.10392
1	hcs037b11	?	?	0.128967	2.50767	9.82696	10.0024	0.885497
3	hcs037b11	?	?	0.883034	-0.166557	10.3158	10.3401	-1.01698
5	hcs037b11	?	?	0.682709	-0.473166	9.94732	10.0243	-1.05478
7	hcs037b11	?	?	0.257276	-1.56866	9.50995	9.86041	-1.27497
3	hcs037c05	22836	RHOBTB3	0.758394	-0.352115	9.79673	9.89875	-1.07328
5	hcs037c05	22836	RHOBTB3	0.0487872	-4.36001	9.82505	10.2038	-1.30017

1	hcs037c12	3703	STT3A	0.280822	-1.46378	10.1233	9.82508	1.22963
3	hcs037c12	3703	STT3A	0.458829	0.910121	10.0341	9.84014	1.14392
5	hcs037c12	3703	STT3A	0.706829	0.433661	9.80526	9.76632	1.02736
1	hcs037d02	80233	C17orf70	0.176449	2.05323	9.66585	10.0248	0.779716
5	hcs037d02	80233	C17orf70	0.612184	-0.595022	10.489	10.7332	-1.18444
3	hcs037d03	57558	USP35	0.381776	1.11234	10.4156	10.2296	1.13764
5	hcs037d03	57558	USP35	0.310241	-1.34726	10.1247	10.5861	-1.37684
7	hcs037d03	57558	USP35	0.680157	-0.477404	9.33603	9.75345	-1.33554
1	hcs037d04	22879	MON1B	0.425674	0.992173	10.0182	10.1634	0.904248
3	hcs037d04	22879	MON1B	0.819333	0.259777	10.4252	10.3625	1.04442
5	hcs037d04	22879	MON1B	0.71215	-0.425072	10.3795	10.4523	-1.05178
1	hcs037d05	27077	B9D1	0.93319	-0.0946957	10.0227	10.0027	1.01395
3	hcs037d05	27077	B9D1	0.451312	0.928153	10.4081	10.2805	1.09249
5	hcs037d05	27077	B9D1	0.542784	-0.727044	10.1109	10.2576	-1.10703
7	hcs037d05	27077	B9D1	0.246143	1.62261	9.71382	9.49992	1.15982
3	hcs037d06	8615	USO1	0.50053	-0.815343	10.5044	10.762	-1.19548
5	hcs037d06	8615	USO1	0.409713	-1.03419	9.99169	10.1683	-1.13023
1	hcs037d11	78996	C7orf49	0.337191	-1.25183	9.91516	9.6228	1.22464
3	hcs037d11	78996	C7orf49	0.802112	0.285502	9.9463	9.87796	1.0485
5	hcs037d11	78996	C7orf49	0.451878	0.926786	9.81601	9.70077	1.08315
7	hcs037d11	78996	C7orf49	0.520672	-0.772384	9.26801	9.39965	-1.09554
5	hcs037e02	54102	CLIC6	0.499152	-0.818344	9.52381	9.8765	-1.27694
1	hcs037e05	10694	CCT8	0.617586	0.585303	10.0597	10.1354	0.948855
3	hcs037e05	10694	CCT8	0.479812	-0.861373	10.4154	10.4836	-1.04836
5	hcs037e05	10694	CCT8	0.308128	-1.35516	10.3524	10.3959	-1.03057
7	hcs037e05	10694	CCT8	0.241907	-1.64396	9.61326	10.0798	-1.38178
3	hcs037e06	113177	IZUMO4	0.532624	-0.747653	9.38456	10.1161	-1.66043
3	hcs037e10	6856	SYPL1	0.625659	-0.570909	9.89518	10.0246	-1.09384
5	hcs037e10	6856	SYPL1	0.236172	-1.67367	9.59824	9.78006	-1.13431
5	hcs037f02	6451	SH3BGRL	0.592128	-0.631756	10.5396	10.8677	-1.25534
1	hcs037f03	10554	AGPAT1	0.457759	0.912668	9.96668	10.1534	0.878601
3	hcs037f03	10554	AGPAT1	0.395377	1.07351	10.7076	10.6285	1.05639
5	hcs037f03	10554	AGPAT1	0.204549	-1.85628	10.1031	10.4351	-1.25871
7	hcs037f03	10554	AGPAT1	0.717518	0.416451	9.76003	9.69438	1.04656
1	hcs037f05	4660	PPP1R12B	0.980644	0.027379	9.8927	9.89606	0.997676
3	hcs037f05	4660	PPP1R12B	0.0271467	-5.94506	10.3879	10.5995	-1.15798
5	hcs037f05	4660	PPP1R12B	0.825904	0.250026	10.1483	10.0815	1.04735
7	hcs037f05	4660	PPP1R12B	0.770199	0.333924	9.76243	9.72958	1.02304
1	hcs037f06	55752	SEPT11	0.243003	1.63839	9.61595	9.7777	0.89394
3	hcs037f06	55752	SEPT11	0.568586	-0.676284	10.2722	10.3734	-1.07269
5	hcs037f06	55752	SEPT11	0.27337	-1.49573	9.80256	10.0506	-1.18757
1	hcs037f07	?	?	0.269537	1.5126	11.404	11.8033	0.758209
3	hcs037f07	?	?	0.612045	0.595275	11.9234	11.82	1.0743
5	hcs037f07	?	?	0.623505	-0.574733	12.0358	12.1368	-1.07249
7	hcs037f07	?	?	0.114637	-2.69324	11.041	11.4837	-1.35908
5	hcs037f10	4200	ME2	0.030954	-5.55102	10.1088	10.4512	-1.26786
5	hcs037g09	824	CAPN2	0.949016	-0.0721957	10.0287	10.0537	-1.01749

3	hcs037h04	4677	NARS	0.246429	1.62118	10.6256	10.3415	1.21766
5	hcs037h04	4677	NARS	0.658503	-0.513841	10.6018	10.7316	-1.0941
3	hcs037h11	57419	SLC24A3	0.963672	-0.05141	10.5264	10.5377	-1.00792
5	hcs037h11	57419	SLC24A3	0.290028	-1.42574	9.77469	9.97679	-1.15037
1	hcs037h12	79188	TMEM43	0.116166	-2.67193	9.7749	9.48692	1.22093
5	hcs037h12	79188	TMEM43	0.0268321	5.98127	9.77338	9.47174	1.23254
1	hcs038a05	9903	KLHL21	0.446244	-0.940494	9.66839	9.23022	1.35488
3	hcs038a05	9903	KLHL21	0.617123	-0.586133	9.61773	9.75868	-1.10263
5	hcs038a05	9903	KLHL21	0.611571	0.59613	9.29095	9.17197	1.08597
1	hcs038b01	5176	SERPINF1	0.880356	0.170427	9.62836	9.65696	0.980373
3	hcs038b01	5176	SERPINF1	0.194464	-1.92255	10.0441	10.2699	-1.16946
5	hcs038b01	5176	SERPINF1	0.0937385	-3.03192	9.5274	9.6528	-1.09081
7	hcs038b01	5176	SERPINF1	0.0828083	3.25541	9.51727	9.31204	1.15287
3	hcs038b02	26234	FBXL5	0.398817	1.06393	10.2391	10.1905	1.03425
5	hcs038b02	26234	FBXL5	0.456092	-0.916651	10.0085	10.2643	-1.19395
7	hcs038b02	26234	FBXL5	0.62287	0.575863	9.85111	9.44236	1.32754
1	hcs038b03	23248	RPRD2	0.613411	-0.592809	9.73442	9.69956	1.02446
3	hcs038b03	23248	RPRD2	0.730739	0.395395	10.1738	10.13	1.03079
5	hcs038b03	23248	RPRD2	0.544283	-0.724035	10.0442	10.1228	-1.05597
7	hcs038b03	23248	RPRD2	0.949057	0.0721378	9.73162	9.72466	1.00483
1	hcs038b04	10923	SUB1	0.221824	1.75227	9.99589	10.1383	0.906019
3	hcs038b04	10923	SUB1	0.701929	0.44161	10.6433	10.5883	1.03887
5	hcs038b04	10923	SUB1	0.69999	-0.444765	10.2666	10.3497	-1.05934
7	hcs038b04	10923	SUB1	0.577812	-0.658641	9.61932	9.87072	-1.19036
1	hcs038b07			0.604181	0.609555	9.69146	9.78149	0.939501
3	hcs038b07			0.154936	-2.23523	10.2233	10.3597	-1.09917
5	hcs038b07			0.395565	-1.07299	9.38471	9.6581	-1.20864
7	hcs038b07			0.954876	-0.06388	9.52651	9.54307	-1.01155
3	hcs038b09			0.868761	-0.18722	10.0227	10.0709	-1.03401
5	hcs038b09			0.450596	-0.929888	9.30993	9.94897	-1.55729
1	hcs038b11	11020	IFT27	0.128973	2.50759	10.6944	11.0104	0.803276
3	hcs038b11	11020	IFT27	0.113979	-2.70255	10.8412	11.0777	-1.17819
5	hcs038b11	11020	IFT27	0.632587	-0.558675	10.92	11.0276	-1.07743
7	hcs038b11	11020	IFT27	0.0513366	-4.24175	10.2299	10.77	-1.45403
3	hcs038c08	100287569	NCRNA001	0.424299	-0.995724	10.0939	10.3524	-1.19625
5	hcs038c08	100287569	NCRNA001	0.722284	-0.408832	10.0482	10.1062	-1.04102
5	hcs038c10	10139	ARFRP1	0.195264	-1.91712	9.51836	9.63841	-1.08677
1	hcs038c11	84769	MPV17L2	0.0486912	-4.36464	9.7305	9.35001	1.30179
3	hcs038c11	84769	MPV17L2	0.445097	0.943307	9.83546	9.76507	1.05
5	hcs038c11	84769	MPV17L2	0.0469723	-4.44985	9.08448	9.23113	-1.107
1	hcs038d01	26027	ACOT11	0.421776	-1.00227	9.45378	9.1186	1.26153
3	hcs038d01	26027	ACOT11	0.421648	-1.0026	9.37733	9.5513	-1.12816
5	hcs038d01	26027	ACOT11	0.379113	1.12012	9.58338	8.99061	1.50814
1	hcs038d03	55832	CAND1	0.375286	1.13143	9.78685	9.98601	0.871058
3	hcs038d03	55832	CAND1	0.0881398	-3.14144	9.80518	10.1091	-1.23453
5	hcs038d03	55832	CAND1	0.408478	-1.03752	9.96267	10.0769	-1.08239
7	hcs038d03	55832	CAND1	0.162124	-2.17077	9.46745	9.75216	-1.21817

5	hcs038d04	51503	CWC15	0.764903	0.342064	9.59672	9.55073	1.03239
7	hcs038d04	51503	CWC15	0.335377	-1.25796	9.25173	9.66664	-1.33321
5	hcs038d05	83716	CRISPLD2	0.319381	-1.3138	8.21315	9.51313	-2.46224
7	hcs038d05	83716	CRISPLD2	0.522295	0.768993	9.27132	8.55773	1.63988
1	hcs038d06	10892	MALT1	0.24243	1.6413	9.69041	10.1098	0.747758
3	hcs038d06	10892	MALT1	0.151992	-2.26284	9.93817	10.3603	-1.3399
5	hcs038d06	10892	MALT1	0.496174	0.82486	10.0506	9.80561	1.18509
7	hcs038d06	10892	MALT1	0.418517	-1.0108	9.78888	9.94982	-1.11801
1	hcs038d07	79155	TNIP2	0.44421	-0.945487	10.2018	9.73537	1.38168
5	hcs038d07	79155	TNIP2	0.507063	0.801225	10.2764	9.83549	1.35746
1	hcs038d08	1296	COL8A2	0.68426	-0.470598	9.52831	9.50692	1.01493
3	hcs038d08	1296	COL8A2	0.232462	-1.69338	9.6692	9.86171	-1.14275
5	hcs038d08	1296	COL8A2	0.465599	0.894143	9.671	9.36743	1.23419
5	hcs038d09			0.479557	0.861952	9.09918	8.64303	1.37188
1	hcs038d10	4124	MAN2A1	0.883625	-0.165705	9.79478	9.64615	1.10852
3	hcs038d10	4124	MAN2A1	0.254926	-1.57979	9.7375	10.3166	-1.49388
5	hcs038d10	4124	MAN2A1	0.385762	1.1008	10.2716	10.0152	1.19453
7	hcs038d10	4124	MAN2A1	0.567159	-0.679035	9.44305	9.84675	-1.3229
5	hcs038d11	22931	RAB18	0.656276	-0.517638	9.78532	9.91615	-1.09492
5	hcs038d12	285195	SLC9A9	0.511931	0.790823	8.67203	8.62927	1.03008
1	hcs038e03	10169	SERF2	0.353012	1.19997	9.65617	10.12	0.725056
3	hcs038e03	10169	SERF2	0.20231	1.87061	10.1959	9.69746	1.41265
5	hcs038e03	10169	SERF2	0.509537	-0.795927	9.79848	10.0005	-1.15033
5	hcs038e04	29062	WDR91	0.675425	-0.485293	9.73094	10.0985	-1.29017
1	hcs038e06	30968	STOML2	0.411763	-1.02869	10.4327	10.3209	1.08058
3	hcs038e06	30968	STOML2	0.724598	-0.405144	10.3885	10.6391	-1.18972
5	hcs038e06	30968	STOML2	0.0782808	-3.36079	10.3401	10.6084	-1.20439
7	hcs038e06	30968	STOML2	0.577566	-0.659108	10.0677	10.1588	-1.06522
5	hcs038e08	?	?	0.497599	-0.821736	9.6633	10.0417	-1.29991
1	hcs038e09	3189	HNRNPH3	0.813702	0.268159	9.81863	9.86001	0.971725
3	hcs038e09	3189	HNRNPH3	0.415271	1.01936	10.0209	9.89832	1.08871
5	hcs038e09	3189	HNRNPH3	0.388394	-1.09325	9.92099	10.1675	-1.18633
1	hcs038e10	960	CD44	0.701875	0.441698	9.4017	9.46804	0.955058
3	hcs038e10	960	CD44	0.611476	-0.596303	9.84274	9.96518	-1.08858
5	hcs038e10	960	CD44	0.0815016	-3.28496	9.35505	9.85678	-1.41591
1	hcs038f02	?	?	0.616689	0.586913	9.70089	9.82932	0.914828
3	hcs038f02	?	?	0.144987	-2.33158	9.74466	10.2086	-1.37928
5	hcs038f02	?	?	0.13816	2.40314	10.1634	9.57612	1.50238
7	hcs038f02	?	?	0.222337	-1.74935	9.45044	9.82876	-1.29983
1	hcs038f03	140710	C20orf117	0.0467656	-4.46041	9.99883	9.66247	1.26256
3	hcs038f03	140710	C20orf117	0.740878	0.379412	10.028	9.93504	1.06658
5	hcs038f03	140710	C20orf117	0.14728	2.30858	10.1919	9.58089	1.52734
7	hcs038f03	140710	C20orf117	0.621179	-0.578878	9.52188	9.77928	-1.19533
1	hcs038f05	5464	PPA1	0.614998	-0.589952	10.6446	10.5393	1.07572
3	hcs038f05	5464	PPA1	0.743399	-0.37546	10.9835	11.0644	-1.0577
5	hcs038f05	5464	PPA1	0.0988431	2.93991	11.2683	10.5095	1.69204
7	hcs038f05	5464	PPA1	0.877149	-0.175063	10.3553	10.4058	-1.03563

1	hcs038f06	5252	PHF1	0.82978	-0.244293	10.7503	10.7283	1.01534
3	hcs038f06	5252	PHF1	0.570333	0.672923	11.1286	10.9346	1.14393
5	hcs038f06	5252	PHF1	0.0312973	5.51902	11.3049	10.5343	1.70602
7	hcs038f06	5252	PHF1	0.622656	0.576245	10.6533	10.5256	1.0926
5	hcs038f07	83604	TMEM47	0.314113	1.33294	10.0894	9.33955	1.68163
1	hcs038f08	25957	SFRS18	0.183832	1.99759	11.1334	11.5068	0.771943
3	hcs038f08	25957	SFRS18	0.861444	0.197856	11.1494	11.0849	1.0457
5	hcs038f08	25957	SFRS18	0.0815005	3.28498	11.7072	11.1394	1.48226
7	hcs038f08	25957	SFRS18	0.0914887	3.07478	11.5223	10.9898	1.44643
3	hcs038f09	?	?	0.278243	-1.47471	9.39363	9.89236	-1.41297
5	hcs038f09	?	?	0.710471	0.427778	9.36594	9.2663	1.0715
5	hcs038f10	57158	JPH2	0.282636	1.45616	9.34462	8.92322	1.33923
5	hcs038f11	?	?	0.388465	-1.09305	9.23745	9.35906	-1.08795
1	hcs038g05	?	?	0.224643	1.73631	9.50819	9.70175	0.874443
3	hcs038g05	?	?	0.715891	-0.419059	9.98634	10.08	-1.06707
5	hcs038g05	?	?	0.490212	0.838021	10.5174	10.2837	1.17586
3	hcs038g08	3707	ITPKB	0.815162	0.265984	10.06	9.98377	1.05423
5	hcs038g08	3707	ITPKB	0.844885	0.222053	10.1599	10.0716	1.06313
1	hcs039a02	374650	GOLGA6L5	0.0312395	-5.52437	10.04	9.49238	1.46167
3	hcs039a02	374650	GOLGA6L5	0.581896	0.650913	9.82348	9.76649	1.04029
5	hcs039a02	374650	GOLGA6L5	0.515353	0.783567	9.82377	9.45513	1.29114
1	hcs039a04	8861	LDB1	0.0341243	-5.27383	10.1605	10.0164	1.10505
3	hcs039a04	8861	LDB1	0.277924	1.47608	10.4244	10.0995	1.25261
5	hcs039a04	8861	LDB1	0.0893845	3.11625	10.6372	9.99587	1.55976
7	hcs039a04	8861	LDB1	0.0455839	4.52208	10.0645	9.61639	1.36424
1	hcs039a05	5080	PAX6	0.379476	1.11906	9.94346	10.222	0.824429
3	hcs039a05	5080	PAX6	0.917242	-0.117441	10.3697	10.3804	-1.00741
5	hcs039a05	5080	PAX6	0.187993	1.96754	10.5396	10.0626	1.39184
7	hcs039a05	5080	PAX6	0.647364	0.532939	9.79766	9.70816	1.064
1	hcs039a07	10848	PPP1R13L	0.0374467	5.02137	10.0036	10.6346	0.645729
3	hcs039a07	10848	PPP1R13L	0.142748	-2.35453	10.3932	10.7499	-1.28055
5	hcs039a07	10848	PPP1R13L	0.950046	0.0707345	10.527	10.5037	1.01629
7	hcs039a07	10848	PPP1R13L	0.372283	-1.14039	9.96152	10.2829	-1.24953
1	hcs039a11	89941	RHOT2	0.0196839	-7.02196	10.2806	10.161	1.08641
3	hcs039a11	89941	RHOT2	0.309647	-1.34947	10.2133	10.615	-1.32106
5	hcs039a11	89941	RHOT2	0.281439	1.46118	10.4225	10.2215	1.14945
7	hcs039a11	89941	RHOT2	0.233995	-1.68519	9.93289	9.98295	-1.0353
1	hcs039b03	5524	PPP2R4	0.429725	-0.981784	9.75421	9.57742	1.13037
3	hcs039b03	5524	PPP2R4	0.88226	-0.167676	10.1945	10.2476	-1.03749
5	hcs039b03	5524	PPP2R4	0.0286966	5.77535	10.1552	9.68906	1.38142
7	hcs039b03	5524	PPP2R4	0.0696969	3.58691	9.77909	9.39542	1.30465
1	hcs039b05	83871	RAB34	0.0656825	-3.70698	9.88071	9.51946	1.28454
3	hcs039b05	83871	RAB34	0.659297	-0.512488	9.86432	9.95665	-1.06609
5	hcs039b05	83871	RAB34	0.0784927	3.35566	9.70425	9.38484	1.24782
5	hcs039b09	3475	IFRD1	0.956356	-0.0617809	9.7721	9.78898	-1.01177
5	hcs039b10	284129	SLC26A11	0.422901	0.999347	9.33294	9.25189	1.05778
3	hcs039c02	6638	SNRPN	0.812284	0.270274	9.67112	9.64929	1.01525

5	hcs039c02	6638	SNRPN	0.45669	0.91522	9.46718	8.72373	1.67417
3	hcs039c05	83442	SH3BGR3	0.151785	2.26481	12.2181	11.8208	1.31701
5	hcs039c09			0.0013224	27.4718	9.85084	9.59753	1.19194
1	hcs039c10	?	?	0.445212	-0.943024	9.953	9.60515	1.27267
5	hcs039c10	?	?	0.461777	-0.903133	9.69865	9.95588	-1.19518
5	hcs039d01			0.549359	0.7139	9.642	9.49458	1.10759
7	hcs039d01			0.217158	-1.77928	9.02028	9.37309	-1.27704
1	hcs039d03	8636	SSNA1	0.128214	-2.51668	9.82136	9.31007	1.42532
3	hcs039d03	8636	SSNA1	0.825909	-0.250019	9.85923	9.94003	-1.05761
5	hcs039d03	8636	SSNA1	0.148761	2.29399	9.75536	9.49986	1.19375
7	hcs039d03	8636	SSNA1	0.0197624	7.00758	9.71856	9.24868	1.38499
3	hcs039d04	64855	FAM129B	0.405166	1.04649	10.0552	9.83134	1.16789
5	hcs039d04	64855	FAM129B	0.0351607	5.19132	10.5452	9.54944	1.99414
1	hcs039d06	5211	PFKL	0.0495159	4.3253	10.0053	10.4342	0.742807
3	hcs039d06	5211	PFKL	0.428986	-0.983672	10.5479	10.6423	-1.06762
5	hcs039d06	5211	PFKL	0.280121	1.46674	10.6647	10.3223	1.26785
7	hcs039d06	5211	PFKL	0.38067	-1.11557	9.76211	9.97186	-1.15649
5	hcs039d11	6432	SRSF7	0.434755	-0.969033	9.25287	9.33924	-1.0617
3	hcs039e02	9013	TAF1C	0.192021	-1.9393	8.71158	9.67648	-1.95193
5	hcs039e02	9013	TAF1C	0.0697282	-3.58601	9.0531	10.0222	-1.95762
1	hcs039e09	90488	C12orf23	0.417801	-1.01268	9.65227	9.38508	1.20346
3	hcs039e09	90488	C12orf23	0.620622	-0.579873	10.2417	10.337	-1.0683
5	hcs039e09	90488	C12orf23	0.674751	0.486419	10.272	10.251	1.01466
1	hcs039e11	114897	C1QTNF1	0.946536	-0.0757178	9.34238	9.31691	1.01781
3	hcs039e11	114897	C1QTNF1	0.52294	0.767649	10.1993	10.062	1.09984
5	hcs039e11	114897	C1QTNF1	0.195292	1.91693	9.53028	9.17694	1.27751
1	hcs039e12	57835	SLC4A5	0.673012	-0.48933	9.35367	9.18294	1.12563
5	hcs039e12	57835	SLC4A5	0.192145	1.93844	9.08273	9.05717	1.01788
1	hcs039f02	55812	SPATA7	0.969083	-0.0437444	10.3834	10.3746	1.00609
3	hcs039f02	55812	SPATA7	0.5844	0.646198	10.3872	10.2206	1.12238
7	hcs039f02	55812	SPATA7	0.0771094	3.38949	10.3716	10.0943	1.21199
5	hcs039f03	?	?	0.146259	-2.31876	9.86339	9.96717	-1.07459
1	hcs039f04	138311	FAM69B	0.138272	2.40193	10.2216	10.4355	0.862183
3	hcs039f04	138311	FAM69B	0.712389	-0.424688	10.3664	10.4092	-1.03016
5	hcs039f04	138311	FAM69B	0.15294	2.25386	10.6114	10.0254	1.50111
7	hcs039f04	138311	FAM69B	0.0299621	5.64652	10.495	9.86422	1.54836
3	hcs039f05	116224	FAM122A	0.648694	-0.530645	9.67679	9.69795	-1.01478
5	hcs039f05	116224	FAM122A	0.205383	1.85099	9.71284	9.33682	1.29776
1	hcs039f08	?	?	0.894021	0.150726	9.89498	9.90665	0.991944
3	hcs039f08	?	?	0.510098	-0.794729	10.0324	10.2205	-1.13926
5	hcs039f08	?	?	0.981624	0.0259924	10.1249	10.1199	1.00352
7	hcs039f08	?	?	0.874538	0.178844	9.57648	9.56006	1.01145
1	hcs039f09	595	CCND1	0.146567	-2.31567	12.3423	12.0586	1.21731
3	hcs039f09	595	CCND1	0.337041	1.25233	12.3265	11.8394	1.40166
5	hcs039f09	595	CCND1	0.190117	1.95255	12.8288	12.2255	1.51915
7	hcs039f09	595	CCND1	0.10361	2.85988	12.233	11.9251	1.23788
1	hcs039f11	862	RUNX1T1	0.530125	-0.75278	9.30252	9.20859	1.06728

3	hcs039f11	862	RUNX1T1	0.313759	-1.33424	9.41143	9.53526	-1.08963
5	hcs039f11	862	RUNX1T1	0.528495	-0.756137	9.02293	9.14653	-1.08945
1	hcs039g01			0.424574	-0.995013	9.29854	9.13992	1.11622
3	hcs039g01			0.470615	0.882461	9.87035	9.57582	1.22649
5	hcs039g01			0.783926	0.312968	9.60556	9.48946	1.0838
5	hcs039g02	64710	NUCKS1	0.609649	-0.599609	9.73952	9.99706	-1.19544
5	hcs039g06			0.712751	-0.424104	11.2522	11.2841	-1.02235
1	hcs039g12	3491	CYR61	0.131838	2.47394	10.8702	12.0924	0.428619
3	hcs039g12	3491	CYR61	0.401702	-1.05597	11.1155	11.3028	-1.1386
5	hcs039g12	3491	CYR61	0.467196	-0.89041	11.8256	11.9937	-1.1236
7	hcs039g12	3491	CYR61	0.915981	-0.119243	11.6909	11.7219	-1.02174
5	hcs039h03	137835	TMEM71	0.276019	-1.48425	8.80864	8.96565	-1.11497
5	hcs039h04			0.894728	0.149709	9.33008	9.27747	1.03714
7	hcs039h04			0.208302	-1.83272	9.32586	9.45115	-1.09073
5	hcs039h05	?	?	0.606565	0.605209	9.14525	9.03308	1.08085
1	hcs039h08	390595	LOC390595	0.748721	0.367143	9.3917	9.40881	0.988208
3	hcs039h08	390595	LOC390595	0.422403	-1.00064	9.29978	9.54859	-1.18823
5	hcs039h08	390595	LOC390595	0.255385	1.57761	9.34075	9.03437	1.23661
1	hcs039h09	3257	HPS1	0.60207	-0.613417	9.90227	9.77651	1.09108
3	hcs039h09	3257	HPS1	0.398481	1.06486	10.503	9.93117	1.48637
5	hcs039h09	3257	HPS1	0.0249063	6.21746	10.6981	9.84451	1.80703
7	hcs039h09	3257	HPS1	0.0110414	9.43775	10.2933	9.57846	1.64125
1	hcs039h10	51497	TH1L	0.68713	0.465853	9.81444	9.91985	0.929541
5	hcs039h10	51497	TH1L	0.627339	0.567931	9.85799	9.68408	1.12811
7	hcs039h10	51497	TH1L	0.390939	-1.08601	9.50487	9.64848	-1.10467
1	hcs039h11	8751	ADAM15	0.222565	1.74805	10.4356	10.6983	0.833546
3	hcs039h11	8751	ADAM15	0.812119	0.270521	10.5256	10.4236	1.07326
5	hcs039h11	8751	ADAM15	0.0833076	3.24429	10.9733	10.6185	1.27878
7	hcs039h11	8751	ADAM15	0.854293	-0.208284	10.4985	10.5342	-1.02507
1	hcs040a06	60412	EXOC4	0.674486	0.486863	9.63992	9.78837	0.902217
3	hcs040a06	60412	EXOC4	0.545082	0.722433	10.2443	10.1437	1.0722
5	hcs040a06	60412	EXOC4	0.168389	2.11769	9.98278	9.69936	1.21708
3	hcs040a11			0.287473	-1.43615	9.67807	9.94494	-1.20319
5	hcs040a11			0.293569	-1.41151	9.37119	9.40106	-1.02092
5	hcs040b09	113791	PIK3IP1	0.701217	0.442768	9.50036	9.40242	1.07025
5	hcs040c04	23516	SLC39A14	0.502411	-0.81126	10.5414	10.9733	-1.34905
3	hcs040d03	5747	PTK2	0.771632	-0.331727	10.0663	10.1776	-1.08023
5	hcs040d03	5747	PTK2	0.0105373	9.66455	10.5088	10.1449	1.28689
7	hcs040d03	5747	PTK2	0.984289	0.0222209	9.38052	9.37381	1.00466
1	hcs040e05	89932	PAPLN	0.595789	0.624973	9.81939	9.90983	0.939239
3	hcs040e05	89932	PAPLN	0.635222	-0.554052	10.1077	10.2484	-1.10249
5	hcs040e05	89932	PAPLN	0.594872	-0.626669	10.1874	10.2827	-1.06833
1	hcs040e11	?	?	0.861878	0.197224	9.78983	9.84599	0.961821
3	hcs040e11	?	?	0.34257	-1.23388	9.82004	10.0449	-1.16865
5	hcs040e11	?	?	0.408433	1.03764	10.0429	9.9077	1.09821
7	hcs040e11	?	?	0.14076	2.37532	9.84242	9.67645	1.12192
1	hcs041a02	?	?	0.330681	1.27401	13.0879	13.3799	0.816788

3	hcs041a02	?	?	0.808253	-0.276298	12.7327	12.8504	-1.085
5	hcs041a02	?	?	0.517562	-0.77891	13.1033	13.2662	-1.11951
7	hcs041a02	?	?	0.884449	0.164516	13.3939	13.3597	1.02399
1	hcs041a04	6526	SLC5A3	0.322972	-1.30097	11.1138	10.8228	1.22346
3	hcs041a04	6526	SLC5A3	0.137251	2.41304	11.094	10.4536	1.55869
5	hcs041a04	6526	SLC5A3	0.0656385	3.70836	12.0029	10.7792	2.33545
7	hcs041a04	6526	SLC5A3	0.182989	2.00378	12.2835	10.6258	3.15513
1	hcs041a05	10211	FLOT1	0.107289	2.8016	9.91375	10.1098	0.872919
3	hcs041a05	10211	FLOT1	0.0796247	-3.32861	9.92881	10.3166	-1.30839
5	hcs041a05	10211	FLOT1	0.487482	0.8441	10.1223	9.84603	1.21105
7	hcs041a05	10211	FLOT1	0.246216	-1.62224	9.80203	9.92243	-1.08704
1	hcs041a06	23193	GANAB	0.17586	2.0578	10.6586	11.0905	0.741285
3	hcs041a06	23193	GANAB	0.787287	-0.307868	10.7638	10.8391	-1.05358
5	hcs041a06	23193	GANAB	0.0895889	3.11216	11.2285	11.0053	1.16737
7	hcs041a06	23193	GANAB	0.99752	-0.0035077	11.0915	11.0923	-1.00058
1	hcs041a07	60313	GPBP1L1	0.0010935	30.2149	9.56559	10.2985	0.601675
3	hcs041a07	60313	GPBP1L1	0.197184	-1.90423	10.0233	10.7267	-1.62839
5	hcs041a07	60313	GPBP1L1	0.157708	2.20989	10.7681	10.3164	1.36772
7	hcs041a07	60313	GPBP1L1	0.445182	0.943098	10.2809	10.159	1.08812
1	hcs041a10	79875	THSD4	0.268946	1.51522	9.6135	9.71267	0.933568
3	hcs041a10	79875	THSD4	0.233312	-1.68883	9.86226	10.3635	-1.41546
5	hcs041a10	79875	THSD4	0.234435	1.68284	10.0313	9.67831	1.27721
7	hcs041a10	79875	THSD4	0.354318	1.19582	9.72246	9.62926	1.06673
1	hcs041a11	2153	F5	0.614916	0.590098	9.71401	9.85525	0.906739
3	hcs041a11	2153	F5	0.105687	-2.82662	9.83146	10.2954	-1.37933
5	hcs041a11	2153	F5	0.617688	-0.585121	9.91328	9.98095	-1.04803
7	hcs041a11	2153	F5	0.836962	0.233697	9.85471	9.83441	1.01417
1	hcs041b01	23052	ENDOD1	0.681384	0.475365	9.86402	9.95863	0.936523
3	hcs041b01	23052	ENDOD1	0.137638	-2.40881	9.81663	10.4356	-1.53578
5	hcs041b01	23052	ENDOD1	0.435387	0.967441	10.4848	9.86737	1.53411
7	hcs041b01	23052	ENDOD1	0.680902	-0.476165	9.92657	10.0489	-1.08848
1	hcs041b02			0.373838	1.13574	9.98741	10.1124	0.917032
3	hcs041b02			0.122734	-2.58465	10.1514	10.7028	-1.46551
5	hcs041b02			0.503908	0.80802	10.4086	10.2878	1.08734
7	hcs041b02			0.379795	-1.11813	10.0445	10.2992	-1.19312
1	hcs041b03			0.202159	1.87158	9.85856	10.1732	0.804027
3	hcs041b03			0.105719	-2.82612	10.1817	10.6338	-1.36798
5	hcs041b03			0.514914	0.784495	10.3121	10.1205	1.14205
7	hcs041b03			0.562609	-0.687851	10.0593	10.1809	-1.08793
1	hcs041b04	6533	SLC6A6	0.0219502	6.63802	10.2748	10.4096	0.910796
3	hcs041b04	6533	SLC6A6	0.579061	0.656272	10.4376	10.2169	1.16531
5	hcs041b04	6533	SLC6A6	0.156129	2.22425	10.8216	10.2078	1.53026
7	hcs041b04	6533	SLC6A6	0.249704	1.60501	10.5285	10.2026	1.25339
1	hcs041b05	706	TSPO	0.994583	-0.0076613	9.85682	9.85476	1.00143
3	hcs041b05	706	TSPO	0.623344	-0.57502	10.0564	10.1873	-1.09499
5	hcs041b05	706	TSPO	0.622688	0.576189	9.86937	9.76816	1.07268
7	hcs041b05	706	TSPO	0.0017422	-23.9263	9.419	9.83249	-1.3319



1	hcs041b06	23002	DAAM1	0.897865	0.1452	9.79957	9.89004	0.939216
3	hcs041b06	23002	DAAM1	0.234395	-1.68306	9.89925	10.3687	-1.38462
5	hcs041b06	23002	DAAM1	0.635624	0.553348	10.2176	10.0284	1.14018
7	hcs041b06	23002	DAAM1	0.649181	-0.529805	9.8688	9.91799	-1.03468
1	hcs041b07			0.132364	-2.46787	10.0713	9.51499	1.4705
5	hcs041b07			0.41573	1.01814	9.7536	9.52109	1.17488
1	hcs041b09	?	?	0.781343	0.316896	9.94482	10.0708	0.916377
3	hcs041b09	?	?	0.19671	-1.9074	9.67947	10.4367	-1.69028
5	hcs041b09	?	?	0.466671	0.891634	10.1292	9.72544	1.32298
7	hcs041b09	?	?	0.144074	-2.34088	9.76062	9.99061	-1.17283
5	hcs041b11			0.975528	-0.0346195	8.86107	8.87264	-1.00805
1	hcs041b12	81566	CSRNP2	0.10512	2.83561	13.4057	13.556	0.901063
3	hcs041b12	81566	CSRNP2	0.469134	0.885895	13.3758	13.2128	1.11959
5	hcs041b12	81566	CSRNP2	0.346433	-1.22119	13.4649	13.6156	-1.11016
7	hcs041b12	81566	CSRNP2	0.464243	-0.897324	13.4545	13.8645	-1.32875
1	hcs041c01	6447	SCG5	0.874554	0.17882	9.54787	9.58365	0.975506
3	hcs041c01	6447	SCG5	0.209367	-1.82613	9.66158	10.2181	-1.4707
5	hcs041c01	6447	SCG5	0.617097	0.586181	9.88191	9.65851	1.16749
7	hcs041c01	6447	SCG5	0.662296	0.507393	9.69376	9.55071	1.10424
1	hcs041c02	6307	SC4MOL	0.284299	-1.44923	10.3749	10.1018	1.20841
3	hcs041c02	6307	SC4MOL	0.410067	1.03324	10.8407	10.4371	1.32284
5	hcs041c02	6307	SC4MOL	0.0056768	13.2158	11.6788	9.83546	3.58832
7	hcs041c02	6307	SC4MOL	0.0803461	3.31166	10.9992	9.85138	2.21573
1	hcs041c03	23369	PUM2	0.358338	1.18313	9.84857	10.0574	0.865219
5	hcs041c03	23369	PUM2	0.548101	0.716404	10.1838	9.92795	1.19402
7	hcs041c03	23369	PUM2	0.622983	-0.575662	9.79772	10.0897	-1.22434
1	hcs041c04	2876	GPX1	0.866964	-0.189828	10.1637	10.1279	1.02515
5	hcs041c04	2876	GPX1	0.700672	0.443656	10.1469	10.0172	1.09404
7	hcs041c04	2876	GPX1	0.108406	-2.78446	9.6851	9.93419	-1.18846
1	hcs041c05	7716	VEZF1	0.380111	-1.1172	10.1194	9.90909	1.15694
3	hcs041c05	7716	VEZF1	0.726785	-0.401667	10.351	10.5034	-1.11147
5	hcs041c05	7716	VEZF1	0.0482484	4.38616	10.8588	10.0497	1.75222
7	hcs041c05	7716	VEZF1	0.321435	1.30644	10.4613	9.94538	1.42995
1	hcs041c06	79939	SLC35E1	0.102757	2.8738	10.0457	10.9291	0.542088
3	hcs041c06	79939	SLC35E1	0.975198	-0.0350858	10.598	10.6101	-1.00838
5	hcs041c06	79939	SLC35E1	0.468472	0.887436	11.0292	10.7532	1.21086
7	hcs041c06	79939	SLC35E1	0.627122	-0.568316	10.7108	10.7579	-1.03319
1	hcs041c07			0.149589	2.28592	10.0021	10.1745	0.887386
3	hcs041c07			0.190336	-1.95102	10.08	10.4683	-1.30882
5	hcs041c07			0.379633	1.1186	10.3652	10.0647	1.23164
7	hcs041c07			0.149225	2.28945	10.1528	10.1187	1.02393
1	hcs041c08	11319	ECD	0.982209	0.0251647	9.72256	9.72869	0.995758
3	hcs041c08	11319	ECD	0.741008	-0.379209	9.99241	10.1354	-1.10422
5	hcs041c08	11319	ECD	0.113197	2.7137	9.96697	9.75085	1.16161
7	hcs041c08	11319	ECD	0.890615	0.155628	9.58841	9.5496	1.02726
1	hcs041c09	?	?	0.826558	0.249059	9.31544	9.42658	0.925854
3	hcs041c09	?	?	0.279557	-1.46913	9.26709	9.95678	-1.61294

5	hcs041c09	?	?	0.212122	1.80931	9.64766	9.28515	1.28566
7	hcs041c09	?	?	0.16594	-2.13811	9.25254	9.45506	-1.15071
1	hcs041c10	6500	SKP1	0.045203	4.54246	11.59	11.8624	0.827941
3	hcs041c10	6500	SKP1	0.38794	1.09455	11.7732	11.5319	1.182
5	hcs041c10	6500	SKP1	0.0947719	3.01273	12.3333	11.8234	1.42392
7	hcs041c10	6500	SKP1	0.817184	0.262973	11.8599	11.7837	1.05419
1	hcs041c11	285941	C7orf71	0.379958	1.11765	9.93769	10.2133	0.826101
3	hcs041c11	285941	C7orf71	0.665788	-0.501484	10.0417	10.1771	-1.0984
5	hcs041c11	285941	C7orf71	0.609171	0.600476	10.0685	9.95922	1.07868
7	hcs041c11	285941	C7orf71	0.169534	-2.10827	10.2403	10.3233	-1.05917
1	hcs041c12	3667	IRS1	0.103368	2.86381	9.92	9.99064	0.952213
3	hcs041c12	3667	IRS1	0.499081	-0.818499	9.63911	9.79123	-1.1112
5	hcs041c12	3667	IRS1	0.133678	2.45286	10.2015	9.91384	1.22066
7	hcs041c12	3667	IRS1	0.569451	0.674619	9.85108	9.80325	1.03371
1	hcs041d01	2247	FGF2	0.140185	2.38141	10.4256	11.6145	0.438637
3	hcs041d01	2247	FGF2	0.265178	-1.53215	10.6349	11.0298	-1.31482
5	hcs041d01	2247	FGF2	0.158574	2.2021	11.7457	11.449	1.22836
7	hcs041d01	2247	FGF2	0.445549	-0.942199	10.8226	11.5139	-1.61481
1	hcs041d02	55709	KBTBD4	0.179351	-2.03099	9.89153	9.68667	1.15258
3	hcs041d02	55709	KBTBD4	0.494946	-0.827558	9.98535	10.1709	-1.13727
5	hcs041d02	55709	KBTBD4	0.654845	0.520085	10.055	9.8112	1.18411
7	hcs041d02	55709	KBTBD4	0.792173	0.300473	9.8984	9.82295	1.05369
1	hcs041d03	5872	RAB13	0.269964	1.5107	10.8722	11.4621	0.664404
3	hcs041d03	5872	RAB13	0.25123	1.59758	11.4452	11.0482	1.31677
5	hcs041d03	5872	RAB13	0.137119	2.41449	11.7245	11.2368	1.40221
7	hcs041d03	5872	RAB13	0.525986	0.761322	11.174	10.9545	1.16436
1	hcs041d04	3108	HLA-DMA	0.525483	-0.762363	9.64253	9.60325	1.0276
3	hcs041d04	3108	HLA-DMA	0.0986875	-2.94261	9.96112	10.3906	-1.34671
5	hcs041d04	3108	HLA-DMA	0.573047	0.667722	9.98106	9.8438	1.09981
7	hcs041d04	3108	HLA-DMA	0.482159	-0.856057	9.71119	9.91028	-1.14797
1	hcs041d05			0.29212	1.41731	9.79789	10.1147	0.802862
3	hcs041d05			0.296079	-1.40156	10.1382	10.4479	-1.23948
5	hcs041d05			0.636008	0.552675	10.1686	10.021	1.10772
7	hcs041d05			0.574215	-0.665489	10.0184	10.1331	-1.08275
1	hcs041d06	3187	HNRNPH1	0.7451	0.372798	10.2605	10.3755	0.923414
3	hcs041d06	3187	HNRNPH1	0.423955	-0.996615	10.5064	10.8122	-1.23608
5	hcs041d06	3187	HNRNPH1	0.203449	1.86329	10.3685	10.0956	1.20824
7	hcs041d06	3187	HNRNPH1	0.889322	-0.15749	10.0232	10.0717	-1.03417
1	hcs041d07	51716	CES1P1	0.300541	-1.38411	9.66913	9.05181	1.53403
3	hcs041d07	51716	CES1P1	0.215909	-1.78664	9.38072	9.8393	-1.37419
5	hcs041d07	51716	CES1P1	0.420403	1.00585	9.53435	9.38764	1.10704
7	hcs041d07	51716	CES1P1	0.453374	-0.923176	9.23434	9.51534	-1.21503
1	hcs041d08	93556	EGFEM1P	0.351891	1.20356	9.59878	9.8473	0.841758
3	hcs041d08	93556	EGFEM1P	0.478136	-0.865183	10.4063	10.4947	-1.06321
5	hcs041d08	93556	EGFEM1P	0.0482198	4.38756	9.94965	9.74567	1.15188
7	hcs041d08	93556	EGFEM1P	0.927576	0.102692	9.49695	9.47502	1.01532
1	hcs041d09	11176	BAZ2A	0.293573	1.4115	9.83266	10.1973	0.776681

3	hcs041d09	11176	BAZ2A	0.219862	-1.76354	9.91911	10.5286	-1.52576
5	hcs041d09	11176	BAZ2A	0.317465	1.32072	10.3989	9.94077	1.37376
7	hcs041d09	11176	BAZ2A	0.613318	0.592976	10.1408	10.0376	1.07416
1	hcs041d10	7448	VTN	0.648328	0.531275	9.68851	9.87635	0.877917
3	hcs041d10	7448	VTN	0.249649	-1.60529	9.83204	10.2948	-1.37818
5	hcs041d10	7448	VTN	0.496042	0.825149	10.0582	9.94779	1.07957
7	hcs041d10	7448	VTN	0.0046964	14.5406	9.87519	9.74344	1.09562
1	hcs041e01			0.209516	1.82521	8.98116	9.34592	0.7766
5	hcs041e01			0.871181	-0.183709	9.23899	9.30492	-1.04676
7	hcs041e01			0.942639	-0.0812544	9.23039	9.25646	-1.01823
5	hcs041e02	55852	TEX2	0.714622	0.421097	9.13185	9.08335	1.03419
1	hcs041e04			0.738437	0.383248	9.71737	9.82896	0.925567
3	hcs041e04			0.135406	-2.43342	9.76809	10.337	-1.48344
5	hcs041e04			0.353526	1.19833	10.1059	9.84741	1.19622
7	hcs041e04			0.599077	0.618911	9.93386	9.69274	1.18191
1	hcs041e05	25778	DSTYK	0.647095	-0.533402	9.74302	9.71069	1.02266
3	hcs041e05	25778	DSTYK	0.254564	-1.58152	9.82793	10.2195	-1.31181
5	hcs041e05	25778	DSTYK	0.401482	1.05657	9.97302	9.56442	1.3274
7	hcs041e05	25778	DSTYK	0.408307	-1.03798	9.71367	9.85623	-1.10386
1	hcs041e06	?	?	0.247945	1.61366	10.4836	10.7276	0.84442
3	hcs041e06	?	?	0.862388	0.196483	10.7157	10.6769	1.02726
5	hcs041e06	?	?	0.578065	0.65816	10.6356	10.526	1.07893
7	hcs041e06	?	?	0.70963	0.429135	10.514	10.5032	1.00751
1	hcs041e07	84513	PPAPDC1B	0.0101294	9.8603	9.34417	9.74859	0.75554
3	hcs041e07	84513	PPAPDC1B	0.301416	-1.38072	9.72591	10.0769	-1.27544
5	hcs041e07	84513	PPAPDC1B	0.567163	0.679027	10.1582	9.85738	1.23184
7	hcs041e07	84513	PPAPDC1B	0.409921	-1.03363	9.59336	9.7691	-1.12954
3	hcs041e08	197131	UBR1	0.813352	-0.268682	9.46847	9.55266	-1.06009
1	hcs041e09	5915	RARB	0.100404	2.91311	9.9666	10.381	0.750314
3	hcs041e09	5915	RARB	0.0276295	-5.89069	10.0126	10.4236	-1.32954
5	hcs041e09	5915	RARB	0.138578	2.39862	10.5142	10.2305	1.21729
7	hcs041e09	5915	RARB	0.961926	-0.0538836	10.1891	10.2236	-1.02424
1	hcs041e11	?	?	0.0959547	2.99112	9.67885	9.96126	0.822218
3	hcs041e11	?	?	0.167989	-2.121	9.62885	10.1434	-1.42854
5	hcs041e11	?	?	0.165524	-2.14162	9.69794	9.86705	-1.12437
7	hcs041e11	?	?	0.233766	-1.6864	9.65857	9.82057	-1.11884
1	hcs041e12	9025	RNF8	0.34364	1.23035	9.44719	9.75797	0.806204
3	hcs041e12	9025	RNF8	0.298614	-1.3916	9.58684	10.159	-1.48676
5	hcs041e12	9025	RNF8	0.054023	4.12608	9.6966	9.44861	1.18755
7	hcs041e12	9025	RNF8	0.527773	0.757627	9.49151	9.2925	1.14791
1	hcs041f01	10512	SEMA3C	0.0279147	5.85922	10.387	11.1826	0.576104
3	hcs041f01	10512	SEMA3C	0.813919	-0.267836	11.0111	11.1139	-1.07388
5	hcs041f01	10512	SEMA3C	0.0677548	3.64371	11.5574	10.9911	1.48076
7	hcs041f01	10512	SEMA3C	0.601795	-0.61392	10.7936	11.0383	-1.18482
1	hcs041f02	60314	C12orf10	0.395395	1.07346	10.1845	10.2843	0.933162
3	hcs041f02	60314	C12orf10	0.779504	-0.319697	10.1411	10.2107	-1.04943
5	hcs041f02	60314	C12orf10	0.842183	0.22602	10.4582	10.3715	1.06193

7	hcs041f02	60314	C12orf10	0.59649	-0.623677	10.3188	10.446	-1.09221
1	hcs041f03	116064	LRRC58	0.312673	-1.33824	10.1073	9.33672	1.70595
3	hcs041f03	116064	LRRC58	0.507765	-0.799719	9.75329	10.1463	-1.31317
5	hcs041f03	116064	LRRC58	0.481932	-0.856571	9.72404	9.98092	-1.1949
7	hcs041f03	116064	LRRC58	0.201255	-1.87744	9.50898	9.998	-1.4035
5	hcs041f05	?	?	0.262509	1.54433	10.0264	9.39204	1.55225
1	hcs041f06			0.283571	1.45226	9.99224	10.2498	0.836482
3	hcs041f06			0.60356	-0.61069	10.3896	10.5676	-1.13136
5	hcs041f06			0.399211	1.06284	10.4171	9.89321	1.43783
7	hcs041f06			0.636123	-0.552473	10.07	10.1362	-1.04695
1	hcs041f07			0.0891178	3.12161	11.7077	11.8996	0.875472
3	hcs041f07			0.558836	-0.69521	11.6812	11.8257	-1.1054
5	hcs041f07			0.876058	0.176643	11.9574	11.9268	1.02141
7	hcs041f07			0.195007	-1.91886	11.2216	11.6922	-1.38569
1	hcs041f10	?	?	0.365868	1.15982	9.76022	9.95123	0.875992
3	hcs041f10	?	?	0.242943	-1.63869	9.80976	10.3361	-1.44024
5	hcs041f10	?	?	0.396471	1.07046	9.95185	9.67564	1.21101
7	hcs041f10	?	?	0.784432	0.312199	9.78028	9.7669	1.00932
5	hcs041f11	?	?	0.620211	0.580605	9.55064	9.38968	1.11803
7	hcs041f11	?	?	0.131483	-2.47805	9.22229	9.39552	-1.12758
1	hcs041f12	57602	USP36	0.455322	0.918495	10.1255	10.2217	0.93547
3	hcs041f12	57602	USP36	0.2078	-1.83583	9.8071	10.2576	-1.36652
5	hcs041f12	57602	USP36	0.214867	-1.79283	9.93901	10.1762	-1.17866
7	hcs041f12	57602	USP36	0.885224	0.163397	10.0215	10.0056	1.01107
5	hcs041g01	4046	LSP1	0.670598	0.49338	9.39425	9.24925	1.10573
1	hcs041g02	79768	C15orf29	0.549568	0.713484	9.93002	10.0012	0.951861
3	hcs041g02	79768	C15orf29	0.13334	-2.45669	9.58521	10.5593	-1.9644
5	hcs041g02	79768	C15orf29	0.649393	0.52944	10.015	9.77735	1.17909
7	hcs041g02	79768	C15orf29	0.0573151	-3.99527	9.48028	10.0276	-1.46134
1	hcs041g04	6709	SPTAN1	0.239051	1.65864	10.3124	10.543	0.8523
3	hcs041g04	6709	SPTAN1	0.368939	1.15047	10.8069	10.3659	1.35758
5	hcs041g04	6709	SPTAN1	0.145677	2.32461	11.0279	10.6536	1.29624
7	hcs041g04	6709	SPTAN1	0.0630406	3.79198	10.6266	10.4053	1.16573
1	hcs041g05	6256	RXRA	0.0544273	-4.10939	10.1036	9.76022	1.26873
3	hcs041g05	6256	RXRA	0.20662	-1.84321	10.0239	10.3953	-1.29355
5	hcs041g05	6256	RXRA	0.378325	1.12244	10.2504	9.87224	1.29972
7	hcs041g05	6256	RXRA	0.516568	-0.781003	9.98563	10.2549	-1.20518
1	hcs041g06	379	ARL4D	0.118678	2.63775	9.91376	10.4555	0.686959
3	hcs041g06	379	ARL4D	0.588842	-0.637876	10.1698	10.4373	-1.20371
5	hcs041g06	379	ARL4D	0.258798	1.56152	10.5807	10.1245	1.37197
7	hcs041g06	379	ARL4D	0.473779	-0.875159	10.4539	10.5344	-1.05736
1	hcs041g07	629	CFB	0.769182	0.335485	9.50522	9.58292	0.947565
3	hcs041g07	629	CFB	0.391104	-1.08555	9.97483	10.187	-1.15839
5	hcs041g07	629	CFB	0.191308	1.94424	10.3165	9.52179	1.73476
7	hcs041g07	629	CFB	0.132237	2.46933	10.0057	9.67873	1.2544
1	hcs041g08	2812	GP1BB	0.131129	2.48216	9.65618	10.1624	0.704084
3	hcs041g08	2812	GP1BB	0.17204	-2.08798	9.73649	10.3918	-1.57499

5	hcs041g08	2812	GP1BB	0.485862	0.847727	10.066	9.8685	1.14668
7	hcs041g08	2812	GP1BB	0.259411	-1.55865	9.891	9.97506	-1.06
1	hcs041g09	8930	MBD4	0.0998491	2.92257	10.3464	10.6645	0.802144
3	hcs041g09	8930	MBD4	0.918467	-0.11569	10.5072	10.5489	-1.0293
5	hcs041g09	8930	MBD4	0.272594	1.49912	10.5154	10.3427	1.12714
7	hcs041g09	8930	MBD4	0.998764	-0.0017487	10.4926	10.4929	-1.0002
1	hcs041g10	9749	PHACTR2	0.691535	0.458599	9.9178	10.0173	0.933363
3	hcs041g10	9749	PHACTR2	0.547492	-0.717617	10.1903	10.4815	-1.22362
5	hcs041g10	9749	PHACTR2	0.0331272	5.35678	10.5464	10.0982	1.36427
7	hcs041g10	9749	PHACTR2	0.74257	0.376758	10.0223	9.90018	1.08835
1	hcs041g11	51377	UCHL5	0.294285	1.40866	9.87683	10.229	0.783405
3	hcs041g11	51377	UCHL5	0.121689	-2.59809	9.71931	10.5083	-1.72782
5	hcs041g11	51377	UCHL5	0.300913	1.38267	10.5119	10.2884	1.16759
7	hcs041g11	51377	UCHL5	0.367289	-1.15548	9.79712	10.2498	-1.36856
1	hcs041h01	116369	SLC26A8	0.0339166	5.29081	10.5296	10.7797	0.840819
3	hcs041h01	116369	SLC26A8	0.101115	-2.9011	10.3047	10.6784	-1.2957
5	hcs041h01	116369	SLC26A8	0.425416	-0.992838	10.5294	10.6739	-1.10534
7	hcs041h01	116369	SLC26A8	0.229574	-1.70901	10.3471	10.7215	-1.29627
1	hcs041h02	93058	COQ10A	0.0422293	4.71074	10.5213	10.7057	0.879995
3	hcs041h02	93058	COQ10A	0.910998	-0.126369	10.4649	10.5247	-1.04234
5	hcs041h02	93058	COQ10A	0.105817	2.82457	11.0549	10.4166	1.55646
7	hcs041h02	93058	COQ10A	0.96579	0.048409	10.5606	10.5482	1.00866
1	hcs041h03	8607	RUVBL1	0.279692	-1.46855	9.96735	9.3748	1.50791
3	hcs041h03	8607	RUVBL1	0.140252	-2.3807	9.64844	10.2136	-1.47956
5	hcs041h03	8607	RUVBL1	0.725068	-0.404396	9.81589	9.84117	-1.01768
7	hcs041h03	8607	RUVBL1	0.329801	-1.27705	9.53854	10.0154	-1.39169
5	hcs041h05	?	?	0.793646	0.298248	9.10009	8.99849	1.07296
7	hcs041h05	?	?	0.899058	-0.143486	9.08043	9.10161	-1.01479
1	hcs041h06	64689	GORASP1	0.944644	-0.0784061	10.0235	9.99247	1.02174
3	hcs041h06	64689	GORASP1	0.12266	-2.58559	10.0871	10.5253	-1.35494
5	hcs041h06	64689	GORASP1	0.65729	-0.515908	10.0971	10.1573	-1.04264
7	hcs041h06	64689	GORASP1	0.652357	-0.524346	9.92967	10.1036	-1.12813
1	hcs041h07	37	ACADVL	0.0200045	6.96375	10.5905	11.3088	0.607827
3	hcs041h07	37	ACADVL	0.0132419	-8.60357	11.1103	11.4497	-1.2652
5	hcs041h07	37	ACADVL	0.0681352	-3.6324	11.0999	11.4185	-1.24715
7	hcs041h07	37	ACADVL	0.212034	-1.80984	10.4479	10.9585	-1.42464
7	hcs041h08	?	?	0.925818	-0.105199	9.42492	9.44472	-1.01382
1	hcs041h10	6867	TACC1	0.103271	2.8654	10.1393	10.4765	0.791558
3	hcs041h10	6867	TACC1	0.663813	-0.504823	10.2628	10.4763	-1.15955
5	hcs041h10	6867	TACC1	0.033438	5.33054	10.6783	10.3264	1.27624
7	hcs041h10	6867	TACC1	0.873233	0.180734	10.232	10.1656	1.04708
1	hcs041h11	100507557	LOC1005070	0.92494	0.106451	9.57729	9.63523	0.960637
3	hcs041h11	100507557	LOC1005070	0.235857	-1.67532	9.46538	10.1137	-1.56737
5	hcs041h11	100507557	LOC1005070	0.793858	-0.297928	9.75826	9.78705	-1.02015
7	hcs041h11	100507557	LOC1005070	0.827017	-0.248379	9.48432	9.54917	-1.04598
1	hcs042a03	11313	LYPLA2	0.764591	-0.342545	9.81607	9.73017	1.06135
5	hcs042a03	11313	LYPLA2	0.0059019	12.9591	10.2145	9.89326	1.2494

1	hcs042a05	10298	PAK4	0.662799	0.50654	9.88902	9.94221	0.963801
3	hcs042a05	10298	PAK4	0.88944	-0.15732	10.1793	10.2052	-1.01815
5	hcs042a05	10298	PAK4	0.30764	1.357	9.85038	9.4497	1.32013
1	hcs042a07	387	RHOA	0.0187102	7.20775	11.3193	11.7958	0.718702
3	hcs042a07	387	RHOA	0.608156	-0.602317	11.6314	11.7202	-1.06353
5	hcs042a07	387	RHOA	0.786186	-0.309538	12.0105	12.0571	-1.03285
7	hcs042a07	387	RHOA	0.208052	-1.83427	11.172	11.4493	-1.21195
3	hcs042a10	1121	CHM	0.0495972	-4.32148	9.45052	9.74537	-1.22675
5	hcs042a10	1121	CHM	0.375633	1.1304	9.62484	9.51231	1.08113
3	hcs042a11	4627	MYH9	0.313403	-1.33555	9.43884	9.69657	-1.19559
5	hcs042a11	4627	MYH9	0.469054	0.886081	9.23167	9.15502	1.05456
1	hcs042b01			0.0073293	-11.6163	10.246	10.0988	1.10744
3	hcs042b01			0.846456	0.219751	10.3784	10.3581	1.01414
5	hcs042b01			0.419599	1.00796	10.6982	10.5065	1.14211
3	hcs042b02			0.402679	-1.05329	9.95977	10.1976	-1.17918
5	hcs042b02			0.439652	-0.956771	9.85984	10.5612	-1.62607
1	hcs042b05	?	?	0.968801	-0.0441439	9.62558	9.61827	1.00508
1	hcs042b10	1728	NQO1	0.465261	-0.894936	10.3448	10.1361	1.15562
3	hcs042b10	1728	NQO1	0.902226	0.138939	10.441	10.3669	1.0527
5	hcs042b10	1728	NQO1	0.88736	-0.160317	10.2144	10.3023	-1.06283
7	hcs042b10	1728	NQO1	0.51985	-0.774105	9.71673	9.97494	-1.196
5	hcs042c02	5048	PAFAH1B1	0.933263	-0.0945915	9.95317	9.97847	-1.01769
5	hcs042c07	?	?	0.805242	-0.280806	10.0112	10.0498	-1.0271
1	hcs042d03	5052	PRDX1	0.0087828	-10.6	11.5206	11.335	1.13729
3	hcs042d03	5052	PRDX1	0.0768503	3.39592	11.5242	11.1082	1.33422
5	hcs042d03	5052	PRDX1	0.580701	0.653169	11.3779	11.2074	1.12545
7	hcs042d03	5052	PRDX1	0.236111	1.67399	10.9921	10.7986	1.14356
3	hcs042d04	60592	SCOC	0.526251	-0.760774	10.8401	10.9502	-1.07927
5	hcs042d04	60592	SCOC	0.429962	-0.98118	9.71728	10.2678	-1.46466
3	hcs042d07	9652	TTC37	0.470707	0.882247	10.4311	10.2064	1.16849
5	hcs042d07	9652	TTC37	0.056771	4.01612	10.8205	10.5937	1.17025
3	hcs042e04	84913	ATOH8	0.39291	-1.08044	9.99743	10.2633	-1.20239
1	hcs042e05	5526	PPP2R5B	0.320545	-1.30962	9.66948	9.58687	1.05893
3	hcs042e05	5526	PPP2R5B	0.495605	-0.826108	9.77962	9.95151	-1.12653
5	hcs042e05	5526	PPP2R5B	0.0533532	-4.15412	9.79334	9.96777	-1.12852
1	hcs042e07	3071	NCKAP1L	0.893606	-0.151323	12.7413	12.7093	1.02245
3	hcs042e07	3071	NCKAP1L	0.142806	2.35392	12.6782	12.5568	1.08782
5	hcs042e07	3071	NCKAP1L	0.988834	0.0157926	12.9673	12.9664	1.0006
7	hcs042e07	3071	NCKAP1L	0.39949	-1.06207	12.3491	12.5783	-1.17216
1	hcs042e08	?	?	0.575368	-0.663289	12.928	12.8886	1.02766
3	hcs042e08	?	?	0.770436	-0.33356	12.8219	12.8726	-1.03577
5	hcs042e08	?	?	0.0634804	-3.77747	12.8941	13.0251	-1.09503
7	hcs042e08	?	?	0.609845	-0.599255	12.471	12.6231	-1.11124
1	hcs042e09	?	?	0.407834	-1.03926	12.9529	12.6009	1.27636
3	hcs042e09	?	?	0.367302	1.15544	12.6803	12.1967	1.39823
5	hcs042e09	?	?	0.208119	1.83385	12.9005	12.0975	1.74473
7	hcs042e09	?	?	0.275387	1.48697	12.643	12.1555	1.40201

1	hcs042e10	718	C3	0.396962	-1.06909	13.2115	12.8135	1.31768
3	hcs042e10	718	C3	0.379018	1.12041	12.9208	12.4393	1.39623
5	hcs042e10	718	C3	0.327251	1.28591	13.1803	12.5577	1.53968
7	hcs042e10	718	C3	0.111102	2.74411	13.0796	12.4443	1.55322
5	hcs042f01	51296	SLC15A3	0.377035	-1.12625	9.33289	9.95147	-1.53537
1	hcs042f02	10847	SRCAP	0.422384	1.00069	10.2014	10.4092	0.865854
3	hcs042f02	10847	SRCAP	0.276147	1.48369	11.2014	10.8179	1.3045
5	hcs042f02	10847	SRCAP	0.250925	-1.59906	10.2678	10.6345	-1.28938
7	hcs042f02	10847	SRCAP	0.907121	-0.131921	10.0534	10.0992	-1.03224
3	hcs042f04	1738	DLD	0.056519	4.02588	10.8133	10.5234	1.22261
5	hcs042f04	1738	DLD	0.49753	-0.821887	10.2552	10.4736	-1.16345
3	hcs042f05	57533	TBC1D14	0.755159	0.357127	10.2923	10.2144	1.05549
5	hcs042f05	57533	TBC1D14	0.700488	-0.443954	10.1231	10.1963	-1.05205
1	hcs042g05			0.546902	0.718795	9.92669	10.0267	0.933007
5	hcs042g05			0.378043	-1.12327	10.0535	10.1287	-1.05355
7	hcs042g05			0.378186	1.12285	9.90928	9.67227	1.17854
1	hcs043a01	3486	IGFBP3	0.0446483	4.5726	10.2244	12.0612	0.279942
3	hcs043a02	55454	CSGALNAC	0.503652	-0.808573	9.30051	9.86899	-1.48296
5	hcs043a02	55454	CSGALNAC	0.205771	-1.84854	9.91138	10.3941	-1.39735
5	hcs043a03			0.218295	-1.77263	9.94705	10.2584	-1.24088
1	hcs043a04	950	SCARB2	0.203882	1.86053	10.1373	10.4596	0.799807
3	hcs043a04	950	SCARB2	0.133551	2.45429	10.588	10.5177	1.04991
5	hcs043a04	950	SCARB2	0.973691	0.0372201	10.4547	10.4508	1.00274
7	hcs043a04	950	SCARB2	0.589288	-0.637044	9.76669	9.92092	-1.11283
1	hcs043a05	1266	CNN3	0.603079	0.61157	9.78813	9.85638	0.953794
3	hcs043a05	1266	CNN3	0.0133162	8.57903	10.5725	10.0854	1.40158
5	hcs043a05	1266	CNN3	0.874402	-0.179041	9.83675	9.86637	-1.02074
7	hcs043a05	1266	CNN3	0.424928	0.994097	9.75111	9.55868	1.14269
1	hcs043a07	22870	PPP6R1	0.26402	-1.53741	9.66911	9.54341	1.09104
3	hcs043a07	22870	PPP6R1	0.569444	-0.674631	10.0413	10.2705	-1.17218
5	hcs043a07	22870	PPP6R1	0.101788	-2.88983	9.65652	10.0344	-1.29939
1	hcs043a08	10457	GPNMB	0.515528	-0.783198	9.98516	9.83561	1.10923
3	hcs043a08	10457	GPNMB	0.299445	1.38836	10.436	10.178	1.19586
5	hcs043a08	10457	GPNMB	0.0435627	4.6332	10.1772	9.84839	1.25599
1	hcs043a09	81618	ITM2C	0.941304	0.0831522	13.417	13.4304	0.990732
3	hcs043a09	81618	ITM2C	0.80213	-0.285474	12.9346	12.9935	-1.04162
5	hcs043a09	81618	ITM2C	0.303985	1.37086	13.1877	12.8021	1.30634
7	hcs043a09	81618	ITM2C	0.0845573	3.21689	13.2394	12.8723	1.28973
1	hcs043b02	2806	GOT2	0.843908	-0.223487	10.2507	10.2044	1.03262
3	hcs043b02	2806	GOT2	0.138538	2.39905	10.7988	9.98791	1.75425
5	hcs043b02	2806	GOT2	0.0781965	3.36283	11.0458	10.2475	1.739
7	hcs043b02	2806	GOT2	0.034939	5.20867	10.7834	10.2671	1.43027
1	hcs043b09	4758	NEU1	0.296403	-1.40028	9.38495	9.20537	1.13255
5	hcs043b09	4758	NEU1	0.313133	1.33654	9.32872	9.22274	1.07623
1	hcs043c03	5781	PTPN11	0.147383	2.30755	10.1218	10.4147	0.816256
3	hcs043c03	5781	PTPN11	0.0562233	4.03741	10.6267	9.72147	1.87289
5	hcs043c03	5781	PTPN11	0.475251	0.871778	10.8905	10.6938	1.14608

3	hcs043c04	?	?	0.678752	0.479742	10.0739	10.0053	1.04871
5	hcs043c04	?	?	0.971375	0.0404988	10.3494	10.3409	1.00591
1	hcs043c08			0.944658	0.0783863	10.0246	10.0287	0.997137
3	hcs043c08			0.899586	0.142728	10.444	10.4347	1.00647
5	hcs043c08			0.133515	-2.4547	9.99009	10.1278	-1.10017
7	hcs043c08			0.653212	-0.52288	9.68911	9.72913	-1.02813
3	hcs043c09	9031	BAZ1B	0.422527	1.00032	10.0867	9.85421	1.17488
5	hcs043c09	9031	BAZ1B	0.198959	1.89246	10.1112	9.99863	1.08119
5	hcs043c11	389033	LOC389033	0.343091	1.23216	9.1654	9.00018	1.12134
1	hcs043e01	6139	RPL17	0.530488	0.752034	10.6032	10.7972	0.874178
3	hcs043e01	6139	RPL17	0.0875372	-3.15382	11.4601	11.6354	-1.12923
5	hcs043e01	6139	RPL17	0.263184	-1.54123	11.27	11.3892	-1.08616
7	hcs043e01	6139	RPL17	0.253181	-1.58815	10.4558	11.0052	-1.46348
1	hcs043e02	64146	PDF	0.396941	1.06915	11.881	12.1074	0.854785
3	hcs043e02	64146	PDF	0.499783	-0.81697	12.0491	12.1554	-1.07649
5	hcs043e02	64146	PDF	0.0737825	-3.47455	12.0741	12.2887	-1.16044
7	hcs043e02	64146	PDF	0.283938	-1.45073	10.9929	11.483	-1.40457
3	hcs043e03	24	ABCA4	0.420731	-1.005	9.8575	10.2664	-1.32767
5	hcs043e03	24	ABCA4	0.0115131	-9.23907	9.94082	10.5309	-1.50529
1	hcs043e04			0.478934	0.863369	9.47708	9.66775	0.876198
3	hcs043e04			0.171504	-2.09229	10.1198	10.5589	-1.35569
1	hcs043e11	64708	COPS7B	0.371833	-1.14174	9.71619	9.40143	1.2438
5	hcs043e11	64708	COPS7B	0.108754	-2.77918	9.41807	9.61115	-1.1432
3	hcs043e12	?	?	0.608143	-0.602341	9.77739	9.90405	-1.09176
5	hcs043e12	?	?	0.55167	-0.709315	9.4683	9.51988	-1.0364
5	hcs043f05	5428	POLG	0.236601	-1.67141	9.17086	9.2814	-1.07963
1	hcs043f08	6721	SREBF2	0.862468	0.196366	10.0627	10.0904	0.980999
5	hcs043f08	6721	SREBF2	0.485582	0.848353	9.8717	9.72083	1.11024
1	hcs043g05	51324	SPG21	0.171312	2.09384	10.0593	10.2229	0.892774
3	hcs043g05	51324	SPG21	0.225016	1.73422	10.6407	10.3077	1.25966
5	hcs043g05	51324	SPG21	0.805356	0.280636	11.2496	11.2142	1.02482
7	hcs043g05	51324	SPG21	0.282308	-1.45753	9.48794	10.078	-1.5053
5	hcs043g09	254170	FBXO33	0.401449	-1.05667	9.66342	9.78726	-1.08963
5	hcs044a02	92558	CCDC64	0.337411	-1.25109	9.64134	10.5112	-1.82747
5	hcs044a03	?	?	0.305772	-1.36406	9.96631	10.4951	-1.44272
3	hcs044a04	201895	C4orf34	0.78306	-0.314284	10.0427	10.1564	-1.08198
5	hcs044a04	201895	C4orf34	0.46717	-0.890469	9.93281	10.2223	-1.22219
1	hcs044a06	2274	FHL2	0.280722	1.4642	10.4098	10.8258	0.749482
3	hcs044a06	2274	FHL2	0.877989	0.173849	11.0869	11.0304	1.03994
5	hcs044a06	2274	FHL2	0.256606	-1.57182	10.4892	10.7564	-1.20353
7	hcs044a06	2274	FHL2	0.307253	-1.35846	9.78187	10.3551	-1.48785
1	hcs044a07	309	ANXA6	0.12797	2.51963	10.2211	10.601	0.768491
3	hcs044a07	309	ANXA6	0.149599	2.28582	11.0656	10.8156	1.18923
5	hcs044a07	309	ANXA6	0.110003	2.76039	11.0882	10.668	1.33811
7	hcs044a07	309	ANXA6	0.279437	1.46964	10.2962	10.1453	1.11021
5	hcs044a09	6760	SS18	0.331662	1.27064	10.077	9.97007	1.07696
1	hcs044a10	?	?	0.339363	-1.24454	9.47307	9.2258	1.18696



3	hcs044a10	?	?	0.795469	-0.295498	9.87014	9.91093	-1.02868
5	hcs044a10	?	?	0.491914	-0.834246	9.10381	9.29697	-1.14326
1	hcs044a11	5916	RARG	0.181004	-2.01854	9.57071	9.25331	1.24609
3	hcs044a11	5916	RARG	0.859125	-0.201235	9.71224	9.74379	-1.02211
5	hcs044a11	5916	RARG	0.599937	0.61733	9.22837	9.18939	1.02739
1	hcs044b04	?	?	0.380865	1.115	9.61745	9.79277	0.885569
3	hcs044b04	?	?	0.614586	0.590693	10.1531	9.98495	1.12365
5	hcs044b04	?	?	0.125977	-2.54392	9.4157	9.66788	-1.19101
7	hcs044b04	?	?	0.277267	1.47889	9.5525	9.41706	1.09843
1	hcs044b08	26071	FAM127B	0.335712	1.25682	10.1957	10.4039	0.86562
3	hcs044b08	26071	FAM127B	0.357341	1.18626	11.1038	10.8547	1.18844
5	hcs044b08	26071	FAM127B	0.0389876	4.91519	11.0893	10.6562	1.35019
7	hcs044b08	26071	FAM127B	0.265038	-1.53279	10.1768	10.3313	-1.11301
1	hcs044b10	55253	TYW1	0.512549	0.78951	9.76537	10.0193	0.838601
5	hcs044b10	55253	TYW1	0.20576	-1.84862	9.73372	10.0768	-1.26847
1	hcs044b11	8985	PLOD3	0.367974	-1.15339	9.56192	9.28394	1.2125
5	hcs044b11	8985	PLOD3	0.98938	-0.0150193	9.08233	9.08398	-1.00115
3	hcs044c03	?	?	0.769975	-0.334267	10.2514	10.3519	-1.0722
5	hcs044c03	?	?	0.349054	-1.21268	10.0837	10.4879	-1.32329
3	hcs044c04	1158	CKM	0.515384	-0.783503	10.0659	10.4174	-1.27595
5	hcs044c04	1158	CKM	0.116839	-2.66267	9.95279	10.2684	-1.24458
1	hcs044c05	159371	TMEM20	0.089953	3.10491	9.89962	10.4689	0.673942
3	hcs044c05	159371	TMEM20	0.299606	1.38774	11.337	10.9558	1.30242
5	hcs044c05	159371	TMEM20	0.399375	-1.06239	11.1016	11.2466	-1.10567
7	hcs044c05	159371	TMEM20	0.284974	-1.44644	9.58742	10.6294	-2.059
3	hcs044c07	5898	RALA	0.778502	0.321225	10.732	10.6056	1.09154
5	hcs044c07	5898	RALA	0.458477	-0.910957	10.3224	10.482	-1.117
1	hcs044c09	10856	RUVBL2	0.511991	-0.790694	10.2791	10.1457	1.09691
3	hcs044c09	10856	RUVBL2	0.7424	-0.377026	10.2713	10.3077	-1.02559
5	hcs044c09	10856	RUVBL2	0.343191	-1.23183	10.0757	10.1227	-1.03308
7	hcs044c09	10856	RUVBL2	0.0800685	-3.31816	9.50255	9.85888	-1.28016
1	hcs044c12	80135	RPF1	0.74064	-0.379786	9.49547	9.36746	1.09278
3	hcs044c12	80135	RPF1	0.486885	-0.845436	9.64387	9.88363	-1.18079
5	hcs044c12	80135	RPF1	0.655188	-0.519497	9.27121	9.29086	-1.01371
1	hcs044d01	54890	ALKBH5	0.0034953	16.8699	9.96535	10.141	0.885383
5	hcs044d01	54890	ALKBH5	0.102545	2.87729	10.5602	10.0606	1.41383
1	hcs044d02	2189	FANCG	0.706291	0.434533	10.2304	10.3595	0.914398
3	hcs044d02	2189	FANCG	0.264981	-1.53304	10.1888	10.4689	-1.21425
5	hcs044d02	2189	FANCG	0.959932	-0.0567096	10.2404	10.2598	-1.01355
5	hcs044d05	5292	PIM1	0.290253	-1.42483	9.41557	10.0814	-1.58652
3	hcs044d06	?	?	0.427731	-0.986886	9.68924	10.0535	-1.28718
5	hcs044d06	?	?	0.275587	-1.48611	8.86576	9.44238	-1.49135
1	hcs044d09	?	?	0.228719	-1.71369	9.70778	9.54686	1.118
3	hcs044d09	?	?	0.86885	0.18709	9.70758	9.69002	1.01225
5	hcs044d09	?	?	0.725111	-0.404328	9.67149	9.68797	-1.01149
7	hcs044d09	?	?	0.641868	0.542455	9.58757	9.53089	1.04007
1	hcs044e03	11067	C10orf10	0.719437	-0.413379	10.3729	10.3414	1.0221

3	hcs044e03	11067	C10orf10	0.698833	0.446653	10.6287	10.5559	1.0518
5	hcs044e03	11067	C10orf10	0.226655	-1.72508	10.4175	10.6789	-1.19862
1	hcs044e08	51510	CHMP5	0.125176	2.55384	9.55699	9.71181	0.898244
3	hcs044e08	51510	CHMP5	0.739691	0.381276	10.3982	10.2668	1.09536
5	hcs044e08	51510	CHMP5	0.715987	-0.418906	9.81492	9.92532	-1.07953
1	hcs044e11	23176	SEPT8	0.315143	-1.32917	9.736	9.50053	1.17729
3	hcs044e11	23176	SEPT8	0.126289	-2.54009	10.1209	10.3417	-1.16537
5	hcs044e11	23176	SEPT8	0.216381	-1.78385	9.4025	9.52731	-1.09036
1	hcs044f01	348110	C15orf38	0.599433	0.618254	9.671	9.78055	0.926879
3	hcs044f01	348110	C15orf38	0.107548	-2.7976	9.76724	10.0719	-1.23513
5	hcs044f01	348110	C15orf38	0.188834	-1.96158	10.1405	10.4297	-1.22198
3	hcs044f03	84993	UBL7	0.320711	-1.30903	9.92927	10.1019	-1.1271
5	hcs044f03	84993	UBL7	0.916476	-0.118536	10.0169	10.0343	-1.0121
1	hcs044f04	?	?	0.106347	2.81626	9.92876	10.1829	0.838477
3	hcs044f04	?	?	0.690355	-0.460539	10.1246	10.2021	-1.05518
5	hcs044f04	?	?	0.257738	-1.56649	10.272	10.397	-1.09053
1	hcs044f05	1075	CTSC	0.754418	-0.358277	9.71364	9.61483	1.07089
3	hcs044f05	1075	CTSC	0.246042	1.62311	10.1922	10.0941	1.07031
5	hcs044f05	1075	CTSC	0.658575	0.513718	10.1673	10.0806	1.06199
1	hcs044f08	79095	C9orf16	0.213449	1.80131	9.78362	9.89099	0.928277
3	hcs044f08	79095	C9orf16	0.131303	-2.48014	9.57216	9.77999	-1.15495
5	hcs044f08	79095	C9orf16	0.674841	0.486268	9.45694	9.36718	1.0642
1	hcs044f11	2597	GAPDH	0.0659749	3.69788	12.5165	13.1404	0.648899
3	hcs044f11	2597	GAPDH	0.21961	-1.76499	12.1793	12.6744	-1.40948
5	hcs044f11	2597	GAPDH	0.291161	-1.42117	12.5572	12.9652	-1.32685
7	hcs044f11	2597	GAPDH	0.0065643	-12.2817	11.639	12.7223	-2.11893
5	hcs044f12	23499	MACF1	0.0167998	7.61765	10.4927	9.73667	1.68878
1	hcs044g02	3119	HLA-DQB1	0.403705	1.05048	9.6324	9.96073	0.796458
3	hcs044g02	3119	HLA-DQB1	0.909991	0.127811	10.6576	10.6452	1.00868
5	hcs044g02	3119	HLA-DQB1	0.335085	-1.25895	9.75183	10.4514	-1.62403
5	hcs044g06	481	ATP1B1	0.92442	-0.107192	10.5324	10.5612	-1.02017
5	hcs044g09	3155	HMGCL	0.69347	-0.455422	9.79636	9.83512	-1.02723
5	hcs044h03	64216	TFB2M	0.328321	-1.28219	10.0021	10.2913	-1.22195
1	hcs044h04	23633	KPNA6	0.505736	0.804078	9.95778	10.0244	0.954861
3	hcs044h04	23633	KPNA6	0.58739	0.64059	10.214	10.0783	1.09858
5	hcs044h04	23633	KPNA6	0.106704	2.81068	10.2689	10.0784	1.14114
5	hcs044h05	83986	ITFG3	0.562163	0.688718	9.66639	9.49169	1.12872
1	hcs044h06	81608	FIP1L1	0.978055	0.0310419	9.88666	9.89472	0.994431
3	hcs044h06	81608	FIP1L1	0.02828	-5.81961	9.85284	10.2543	-1.3208
5	hcs044h06	81608	FIP1L1	0.547634	0.717334	10.0448	9.93389	1.07991
1	hcs044h11	2186	BPTF	0.501065	-0.814181	9.50594	9.36555	1.1022
5	hcs044h11	2186	BPTF	0.171818	-2.08976	9.23902	9.33939	-1.07205
1	hcs044h12	140609	NEK7	0.882339	0.167562	9.58391	9.63544	0.96491
5	hcs044h12	140609	NEK7	0.865354	-0.192167	9.17109	9.2182	-1.03319
5	hcs045a04	79444	BIRC7	0.923209	0.10892	9.61017	9.60635	1.00265
1	hcs045a05	?	?	0.517359	0.779338	9.07337	9.45121	0.769591
3	hcs045a05	?	?	0.431575	-0.977075	9.2311	9.66093	-1.34707

5	hcs045a06			0.329141	-1.27934	9.13301	9.55532	-1.34007
1	hcs045b03	2317	FLNB	0.044657	4.57212	10.1309	10.4565	0.797978
3	hcs045b03	2317	FLNB	0.987338	0.0179076	10.7931	10.7914	1.00116
5	hcs045b03	2317	FLNB	0.0475639	-4.42002	10.4733	10.5574	-1.05997
7	hcs045b03	2317	FLNB	0.794979	-0.296236	9.98162	10.0247	-1.03029
3	hcs045b04	28976	ACAD9	0.883731	-0.165552	10.3282	10.3506	-1.01559
5	hcs045b04	28976	ACAD9	0.0174785	-7.46441	9.7007	10.1632	-1.37791
1	hcs045b07	116496	FAM129A	0.0601649	3.89056	10.1211	10.2886	0.890384
3	hcs045b07	116496	FAM129A	0.699889	-0.44493	10.5859	10.6775	-1.06549
5	hcs045b07	116496	FAM129A	0.0784048	3.35778	10.3139	9.9485	1.28826
1	hcs045b10	2635	GBP3	0.472219	-0.878752	9.71976	9.64715	1.05162
3	hcs045b10	2635	GBP3	0.800752	0.287545	10.2512	10.1302	1.08749
5	hcs045b10	2635	GBP3	0.683021	-0.472649	9.79288	9.80725	-1.01001
5	hcs045b11	23549	DNPEP	0.648277	0.531364	10.0084	9.89579	1.08115
1	hcs045c02	283209	PGM2L1	0.145842	2.32294	9.83112	11.0535	0.428585
5	hcs045c02	283209	PGM2L1	0.749259	-0.366303	10.705	10.8284	-1.0893
1	hcs045c03	63979	FIGNL1	0.157022	-2.21611	10.9975	10.3545	1.56161
3	hcs045c03	63979	FIGNL1	0.254183	1.58334	10.5897	10.0882	1.41567
5	hcs045c03	63979	FIGNL1	0.12541	2.55094	10.169	9.91466	1.19275
7	hcs045c03	63979	FIGNL1	0.289005	1.42989	9.84156	9.79788	1.03074
3	hcs045c07	?	?	0.534411	-0.744003	9.46491	10.014	-1.46318
5	hcs045c07	?	?	0.385624	-1.1012	9.33272	9.84347	-1.42479
3	hcs045c08	6830	SUPT6H	0.891066	0.154978	10.1276	10.0618	1.04665
1	hcs045c11			0.257215	1.56894	9.37172	9.98259	0.6548
3	hcs045c11			0.638547	-0.548238	9.89312	10.073	-1.13282
5	hcs045c11			0.867802	0.188611	10.0057	9.9571	1.03425
5	hcs045d01	112942	CCDC104	0.442741	-0.94911	9.97783	10.1715	-1.14363
1	hcs045d06	5494	PPM1A	0.786739	0.308698	9.52889	9.6101	0.945265
3	hcs045d06	5494	PPM1A	0.59548	-0.625544	10.299	10.4429	-1.1049
5	hcs045d06	5494	PPM1A	0.0282553	5.82226	9.96598	9.80159	1.12069
1	hcs045d09			0.375542	-1.13067	10.0442	9.89092	1.11209
3	hcs045d09			0.909544	-0.128451	10.5174	10.537	-1.01368
5	hcs045d09			0.992883	-0.0100651	10.3188	10.3213	-1.00169
1	hcs045e03	85301	COL27A1	0.663707	0.505003	13.3171	13.4165	0.933421
3	hcs045e03	85301	COL27A1	0.0425392	4.6924	13.1866	12.7836	1.32229
5	hcs045e03	85301	COL27A1	0.118309	2.6427	13.709	13.1179	1.50643
7	hcs045e03	85301	COL27A1	0.183407	2.00071	13.3859	12.9521	1.35082
3	hcs045e04	57590	WDFY1	0.180682	-2.02095	9.62492	9.8432	-1.16335
5	hcs045e04	57590	WDFY1	0.904664	-0.135442	9.49743	9.52963	-1.02257
1	hcs045e09	4594	MUT	0.203088	-1.8656	10.5109	10.1461	1.28767
3	hcs045e09	4594	MUT	0.865699	-0.191667	10.1606	10.2364	-1.05392
5	hcs045e09	4594	MUT	0.600392	0.616493	10.1629	10.0187	1.10509
7	hcs045e09	4594	MUT	0.0093577	-10.2648	9.6173	9.89181	-1.20958
5	hcs045e10			0.455222	0.918735	9.52911	9.41686	1.08092
1	hcs045e11	11101	ATE1	0.465963	-0.893291	9.50701	9.31674	1.14098
5	hcs045e11	11101	ATE1	0.50982	0.795322	9.29703	9.1749	1.08834
3	hcs045e12	79158	GNPTAB	0.414502	-1.0214	9.12365	9.31964	-1.14551

5	hcs045f01	5802	PTPRS	0.0583768	-3.95539	10.0206	10.5041	-1.39813
1	hcs045f05	10241	CALCOCO2	0.754417	-0.358279	9.83077	9.75416	1.05454
3	hcs045f05	10241	CALCOCO2	0.170212	2.10274	10.1315	9.85564	1.21073
5	hcs045f05	10241	CALCOCO2	0.586374	0.642493	9.81823	9.75705	1.04332
7	hcs045f05	10241	CALCOCO2	0.24585	-1.62407	9.34082	9.54743	-1.15397
1	hcs045f07	145678	LOC145678	0.251753	-1.59504	9.87471	9.24871	1.54328
1	hcs045f08	7536	SF1	0.364499	1.16401	10.2466	10.417	0.888578
3	hcs045f08	7536	SF1	0.0709243	3.55217	11.3413	10.9462	1.31509
5	hcs045f08	7536	SF1	0.698842	-0.446637	10.6375	10.7737	-1.09897
7	hcs045f08	7536	SF1	0.0665934	-3.67882	9.74977	10.187	-1.35397
1	hcs045g02	10096	ACTR3	0.316715	1.32344	9.57413	9.72695	0.899491
3	hcs045g02	10096	ACTR3	0.411315	1.02989	9.70726	9.54547	1.11867
5	hcs045g02	10096	ACTR3	0.467449	0.88982	9.74094	9.70053	1.0284
5	hcs045g04			0.954427	-0.0645174	9.81858	9.83097	-1.00863
5	hcs045g05	2122	MECOM	0.258035	1.56509	10.4931	10.1917	1.23233
5	hcs045g08	5567	PRKACB	0.147654	-2.30487	9.53969	9.69654	-1.11485
1	hcs045g09			0.850922	0.21321	9.69525	9.77247	0.947882
5	hcs045g09			0.69623	0.450902	10.2024	10.1423	1.04256
1	hcs045g10	1009	CDH11	0.392116	1.08268	10.4654	10.7643	0.812872
3	hcs045g10	1009	CDH11	0.835299	-0.236147	10.7514	10.8037	-1.03692
5	hcs045g10	1009	CDH11	0.664308	-0.503985	10.7361	10.7649	-1.02016
7	hcs045g10	1009	CDH11	0.203661	-1.86194	10.1903	10.3997	-1.15621
1	hcs045g11	9135	RABEP1	0.371712	-1.1421	9.44823	9.20714	1.18189
5	hcs045g11	9135	RABEP1	0.235757	1.67585	9.27245	9.05781	1.16042
3	hcs045h01	9331	B4GALT6	0.693902	-0.454714	9.74922	9.88904	-1.10177
5	hcs045h01	9331	B4GALT6	0.308228	-1.35479	9.19695	9.70379	-1.42093
5	hcs045h03			0.310407	-1.34664	9.29522	9.88959	-1.50982
1	hcs045h04			0.290954	-1.422	10.0202	9.68837	1.25861
3	hcs045h04			0.709114	0.429967	10.516	10.4616	1.03844
5	hcs045h04			0.481269	-0.858071	9.87671	10.0957	-1.16395
1	hcs045h05	54816	ZNF280D	0.565338	0.682555	9.97879	10.0603	0.945037
3	hcs045h05	54816	ZNF280D	0.810234	-0.273337	10.266	10.3238	-1.04093
5	hcs045h05	54816	ZNF280D	0.900047	-0.142066	9.96357	9.99088	-1.01911
7	hcs045h05	54816	ZNF280D	0.323759	1.29819	9.82724	9.62748	1.14851
1	hcs045h06	?	?	0.981593	0.0260356	10.4764	10.4828	0.995553
3	hcs045h06	?	?	0.869396	-0.186297	10.7005	10.7208	-1.01422
5	hcs045h06	?	?	0.252752	-1.59021	10.2239	10.4653	-1.18213
7	hcs045h06	?	?	0.262516	-1.54429	9.67575	9.95829	-1.21634
1	hcs045h08	5145	PDE6A	0.426439	0.990202	9.64479	9.88615	0.84595
3	hcs045h08	5145	PDE6A	0.474013	-0.874619	10.0708	10.2375	-1.12249
5	hcs045h08	5145	PDE6A	0.83402	-0.238033	9.63137	9.66926	-1.02661
7	hcs045h08	5145	PDE6A	0.173779	-2.07413	9.26476	9.66019	-1.31533
5	hcs045h09	9189	ZBED1	0.453869	0.921985	9.76086	9.6861	1.05319
1	hcs046a02	?	?	0.0609624	3.86255	9.6164	10.0668	0.731836
3	hcs046a04	3516	RBPJ	0.0406351	4.80829	10.3017	9.88489	1.33494
5	hcs046a04	3516	RBPJ	0.400761	-1.05856	9.89507	10.513	-1.53471
5	hcs046a05	?	?	0.266344	-1.52688	10.4861	10.9752	-1.40357

1	hcs046b02	?	?	0.302808	-1.37537	10.1183	9.90851	1.15652
3	hcs046b02	?	?	0.808964	-0.275234	10.489	10.5687	-1.05681
5	hcs046b02	?	?	0.625876	0.570524	10.4011	10.2137	1.13874
3	hcs046b03	?	?	0.652996	-0.523251	10.2521	10.3513	-1.07117
5	hcs046b03	?	?	0.285894	-1.44263	10.0681	10.5681	-1.4142
1	hcs046b09	27341	RRP7A	0.524485	-0.764435	9.70288	9.52944	1.12775
5	hcs046b09	27341	RRP7A	0.199261	-1.89047	9.85815	9.92857	-1.05002
1	hcs046b10	10682	EBP	0.0632397	-3.78539	9.83703	9.37511	1.37738
3	hcs046b10	10682	EBP	0.161943	2.17234	10.3525	9.65237	1.62465
5	hcs046b10	10682	EBP	0.0253819	6.15667	10.3507	9.29876	2.07326
7	hcs046b10	10682	EBP	0.0161294	7.77835	9.87763	9.09952	1.71489
5	hcs046c05			0.251282	-1.59732	9.06869	10.1581	-2.1279
3	hcs046d01			0.552831	0.707018	11.2438	11.0763	1.12311
5	hcs046d01			0.36019	-1.17735	10.7304	11.4124	-1.60438
1	hcs046d09	1073	CFL2	0.301882	1.37893	9.86471	10.1651	0.812059
3	hcs046d09	1073	CFL2	0.221135	1.75621	10.7197	10.4425	1.21183
5	hcs046d09	1073	CFL2	0.50624	-0.802993	10.0715	10.2229	-1.11065
1	hcs046d11	4357	MPST	0.335368	-1.25799	9.75055	9.43729	1.24252
5	hcs046d11	4357	MPST	0.11291	2.71781	9.42619	9.32686	1.07128
1	hcs046d12	11171	STRAP	0.585747	-0.643668	9.87215	9.73935	1.09642
3	hcs046d12	11171	STRAP	0.95857	0.0586418	9.82591	9.81098	1.0104
5	hcs046d12	11171	STRAP	0.331799	1.27016	9.93904	9.80278	1.09905
1	hcs046e02	553115	PEF1	0.329976	1.27645	9.38338	9.49076	0.92827
5	hcs046e02	553115	PEF1	0.0782254	3.36213	9.65133	9.38964	1.19888
3	hcs046e08	?	?	0.60732	-0.603836	9.59186	9.72358	-1.0956
5	hcs046e08	?	?	0.550886	0.710869	9.76476	9.67657	1.06303
3	hcs046e11	78992	YIPF2	0.591372	-0.633161	9.46452	9.63349	-1.12425
5	hcs046e11	78992	YIPF2	0.909747	0.128161	9.69628	9.65956	1.02578
7	hcs046e11	78992	YIPF2	0.57618	0.661743	9.33494	9.20535	1.09398
1	hcs046f03	740	MRPL49	0.800156	-0.288441	9.90347	9.80731	1.06892
5	hcs046f03	740	MRPL49	0.0757109	3.42459	10.2713	10.0283	1.18341
5	hcs046f04	1787	TRDMT1	0.338571	-1.24719	9.42174	10.2254	-1.74554
1	hcs046f11	55974	SLC50A1	0.676801	0.482995	13.1213	13.2024	0.945358
3	hcs046f11	55974	SLC50A1	0.922033	-0.110599	12.7615	12.8002	-1.02719
5	hcs046f11	55974	SLC50A1	0.0488439	4.35728	13.3739	12.7739	1.51572
7	hcs046f11	55974	SLC50A1	0.0094133	10.234	13.1338	12.3863	1.67884
5	hcs046f12	64284	RAB17	0.610446	-0.598166	9.35739	9.42088	-1.04499
5	hcs046h04	?	?	0.463163	-0.899862	9.63131	10.2983	-1.58774
1	hcs046h10	4832	NME3	0.208523	1.83135	9.72677	9.85914	0.912329
3	hcs046h10	4832	NME3	0.11572	-2.67811	10.0952	10.2669	-1.12636
5	hcs046h10	4832	NME3	0.446646	-0.93951	9.74132	9.83113	-1.06423
1	hcs047a01	1674	DES	0.188847	1.96149	9.93273	10.2805	0.785781
3	hcs047a01	1674	DES	0.716493	-0.418093	10.417	10.469	-1.03671
5	hcs047a01	1674	DES	0.597773	0.621311	10.5912	10.5043	1.06205
1	hcs047a02	100337591	SNORA70F	0.114744	2.69175	11.7689	12.0068	0.847999
3	hcs047a02	100337591	SNORA70F	0.622089	-0.577254	11.8066	11.865	-1.04131
5	hcs047a02	100337591	SNORA70F	0.691223	0.459111	12.027	11.9297	1.06972

7	hcs047a02	100337591	SNORA70F	0.473086	-0.876753	11.4683	11.733	-1.20133
1	hcs047a03	?	?	0.961189	0.0549279	10.216	10.2266	0.99265
3	hcs047a03	?	?	0.836543	-0.234315	10.4961	10.5167	-1.01442
5	hcs047a03	?	?	0.530141	-0.752747	10.0726	10.4072	-1.26107
7	hcs047a03	?	?	0.667926	0.497876	9.96943	9.8377	1.0956
1	hcs047a04	?	?	0.395851	-1.07219	10.3032	10.126	1.13065
3	hcs047a04	?	?	0.246592	-1.62037	10.321	10.4044	-1.05952
5	hcs047a04	?	?	0.332616	1.26737	10.5143	10.3636	1.1101
1	hcs047a09	210	ALAD	0.804511	-0.281903	9.41626	9.33326	1.05922
3	hcs047a09	210	ALAD	0.396167	1.0713	10.083	9.88044	1.15076
5	hcs047a09	210	ALAD	0.0096039	10.1304	9.97594	9.36913	1.5229
1	hcs047a10			0.678511	-0.480143	9.70927	9.63334	1.05404
3	hcs047a10			0.454875	-0.919567	9.91999	10.1262	-1.15365
5	hcs047a10			0.829596	-0.244565	9.76471	9.77364	-1.00621
7	hcs047a10			0.931711	0.0968005	9.59803	9.57356	1.01711
1	hcs047a11	57862	ZNF410	0.620667	-0.579791	9.56171	9.41775	1.10494
3	hcs047a11	57862	ZNF410	0.998583	-0.0020034	9.7883	9.78891	-1.00042
5	hcs047a11	57862	ZNF410	0.0505215	4.27861	9.6848	9.39407	1.22326
1	hcs047b05	283131	NEAT1	0.267021	1.52383	11.0538	12.1253	0.475824
3	hcs047b05	283131	NEAT1	0.0137198	-8.4493	11.8668	12.204	-1.26333
5	hcs047b05	283131	NEAT1	0.875221	-0.177855	12.1955	12.2261	-1.02141
7	hcs047b05	283131	NEAT1	0.771551	-0.331851	11.7157	11.8756	-1.11718
1	hcs047b08	?	?	0.0971344	-2.96994	11.0423	10.8391	1.15125
3	hcs047b08	?	?	0.625907	0.570469	11.052	10.8788	1.12753
5	hcs047b08	?	?	0.0622449	3.81859	11.2645	10.8217	1.35924
7	hcs047b08	?	?	0.288815	-1.43067	10.3345	10.6318	-1.22879
5	hcs047b09	6788	STK3	0.612899	0.593732	9.07234	8.92483	1.10766
1	hcs047b10	64764	CREB3L2	0.851884	-0.211805	9.47284	9.4361	1.02579
3	hcs047b10	64764	CREB3L2	0.393588	-1.07853	9.31086	9.66445	-1.27774
5	hcs047b10	64764	CREB3L2	0.628654	0.565607	9.57192	9.50898	1.04459
7	hcs047b10	64764	CREB3L2	0.685264	-0.468936	9.30556	9.4073	-1.07306
1	hcs047c02	57488	ESYT2	0.633807	-0.556533	9.54924	9.4946	1.0386
3	hcs047c02	57488	ESYT2	0.913331	-0.123032	10.5373	10.5607	-1.01631
5	hcs047c02	57488	ESYT2	0.0002969	58.0139	9.84796	9.44997	1.31767
7	hcs047c02	57488	ESYT2	0.593518	0.629177	9.51227	9.37505	1.09978
1	hcs047c03	950	SCARB2	0.263448	1.54002	9.78473	10.2442	0.727272
3	hcs047c03	950	SCARB2	0.777406	-0.322897	10.6212	10.6791	-1.04095
5	hcs047c03	950	SCARB2	0.194629	1.92143	10.0442	9.84697	1.14652
7	hcs047c03	950	SCARB2	0.699759	-0.445143	9.70816	9.86245	-1.11287
1	hcs047c04	166793	ZBTB49	0.951166	-0.0691445	9.91398	9.90433	1.00671
3	hcs047c04	166793	ZBTB49	0.109552	-2.76714	10.3587	10.4962	-1.1
5	hcs047c04	166793	ZBTB49	0.814969	0.266272	9.95947	9.87608	1.0595
7	hcs047c04	166793	ZBTB49	0.280025	-1.46715	9.14751	9.42921	-1.21562
5	hcs047c05	6416	MAP2K4	0.729841	-0.396818	10.1405	10.2381	-1.06999
1	hcs047c06	?	?	0.664353	0.503909	9.50988	9.57003	0.959164
3	hcs047c06	?	?	0.221899	1.75184	10.7031	10.5966	1.07668
5	hcs047c06	?	?	0.509014	0.797045	10.5857	10.3451	1.18152

5	hcs047c07	10866	HCP5	0.329115	-1.27943	9.87775	10.0322	-1.11301
1	hcs047c08	25932	CLIC4	0.212568	1.80661	9.90273	10.4336	0.692153
3	hcs047c08	25932	CLIC4	0.0885103	3.13389	10.4348	10.1001	1.26109
5	hcs047c08	25932	CLIC4	0.909097	-0.129091	10.5586	10.5881	-1.02065
7	hcs047c08	25932	CLIC4	0.450591	-0.929901	10.0665	10.3454	-1.21321
1	hcs047c10	118924	FRA10AC1	0.473342	0.876164	9.54185	9.72947	0.878053
3	hcs047c10	118924	FRA10AC1	0.231027	-1.70112	9.73651	10.074	-1.26355
5	hcs047c10	118924	FRA10AC1	0.867357	0.189258	9.5838	9.56293	1.01457
7	hcs047c10	118924	FRA10AC1	0.694503	0.45373	9.48773	9.33902	1.10858
3	hcs047d01	4638	MYLK	0.360153	1.17746	9.50494	9.14546	1.28297
5	hcs047d01	4638	MYLK	0.269257	1.51384	9.84119	9.4702	1.29324
5	hcs047d05	23272	C3orf63	0.779331	0.31996	9.61068	9.56658	1.03104
5	hcs047d07	26148	C10orf12	0.381128	1.11423	9.53124	9.30232	1.17196
3	hcs047d08	81563	C1orf21	0.137804	-2.40701	9.22345	9.83296	-1.52575
5	hcs047d09	?	?	0.369538	1.14865	9.09392	8.90933	1.13649
1	hcs047d10	?	?	0.212788	-1.80528	9.73432	9.43965	1.2266
5	hcs047d10	?	?	0.307597	1.35716	9.92616	9.64004	1.21935
7	hcs047d10	?	?	0.74912	-0.36652	9.62855	9.69859	-1.04975
5	hcs047d11	491	ATP2B2	0.922505	0.109925	9.03036	9.0241	1.00435
3	hcs047d12	9375	TM9SF2	0.834484	-0.237349	9.90292	9.9949	-1.06583
5	hcs047d12	9375	TM9SF2	0.0903134	3.09777	10.3715	9.87627	1.40952
1	hcs047e02	9334	B4GALT5	0.940115	0.0848423	9.98055	9.98896	0.994185
3	hcs047e02	9334	B4GALT5	0.384358	-1.10485	10.2464	10.3284	-1.05852
5	hcs047e02	9334	B4GALT5	0.909422	-0.128626	10.0422	10.06	-1.01237
7	hcs047e02	9334	B4GALT5	0.670928	0.492826	9.77425	9.71395	1.04268
1	hcs047e03	81929	SEH1L	0.583613	0.647676	9.7024	9.95986	0.83656
3	hcs047e03	81929	SEH1L	0.190215	1.95186	10.2729	10.1593	1.08192
5	hcs047e03	81929	SEH1L	0.238819	1.65984	10.046	9.87306	1.12735
7	hcs047e03	81929	SEH1L	0.735823	0.387364	9.6115	9.52943	1.05854
1	hcs047e04	?	?	0.0689869	3.6074	10.1444	10.4929	0.7854
3	hcs047e04	?	?	0.356146	-1.19003	10.7095	10.8406	-1.09508
5	hcs047e04	?	?	0.365471	-1.16103	10.3356	10.4571	-1.08792
7	hcs047e04	?	?	0.978964	0.0297565	9.79259	9.78821	1.00305
1	hcs047e05	64131	XYLT1	0.311502	-1.34257	10.0752	10.0205	1.03866
3	hcs047e05	64131	XYLT1	0.246175	1.62245	10.5751	10.3225	1.1914
5	hcs047e05	64131	XYLT1	0.451216	-0.928386	10.4502	10.5914	-1.10276
1	hcs047e06	149076	ZNF362	0.526121	0.761042	9.13913	9.32043	0.881908
3	hcs047e06	149076	ZNF362	0.058144	3.96404	10.3173	10.1281	1.14008
5	hcs047e06	149076	ZNF362	0.909195	0.128951	9.7363	9.68503	1.03618
1	hcs047e09	7832	BTG2	0.783931	0.31296	9.83966	9.87082	0.978636
3	hcs047e09	7832	BTG2	0.490601	-0.837157	10.1261	10.2536	-1.09238
5	hcs047e09	7832	BTG2	0.415499	1.01875	10.0443	9.82435	1.1647
7	hcs047e09	7832	BTG2	0.980752	0.0272263	9.67638	9.66946	1.0048
3	hcs047e10	?	?	0.7165	-0.418083	9.73237	9.86594	-1.09701
5	hcs047e10	?	?	0.492394	0.833186	9.47339	9.35524	1.08535
1	hcs047f02	?	?	0.644891	-0.537213	9.75084	9.63687	1.0822
5	hcs047f02	?	?	0.749271	-0.366285	9.65566	9.67973	-1.01682

7	hcs047f02	?	?	0.590267	0.635218	9.64868	9.52039	1.09299
1	hcs047f05			0.111597	2.73685	9.37777	9.46869	0.938926
5	hcs047f05			0.745069	0.372846	9.38516	9.33044	1.03866
7	hcs047f05			0.242874	-1.63905	9.43019	9.61322	-1.13527
1	hcs047f06	2944	GSTM1	0.0832991	3.24448	9.36918	9.82822	0.72747
3	hcs047f06	2944	GSTM1	0.302003	1.37846	10.0323	9.99109	1.029
5	hcs047f06	2944	GSTM1	0.619161	0.582483	10.0779	9.98282	1.06809
7	hcs047f06	2944	GSTM1	0.871466	-0.183294	9.45817	9.48093	-1.0159
5	hcs047f08	?	?	0.471591	-0.880202	9.12701	9.23721	-1.07938
5	hcs047f09	134553	C5orf24	0.69274	0.45662	9.45114	9.39506	1.03964
5	hcs047f10	132864	CPEB2	0.871801	0.182809	9.07697	9.06549	1.00799
1	hcs047f12	?	?	0.16651	-2.13332	9.55726	9.54345	1.00962
3	hcs047f12	?	?	0.102573	-2.87684	9.41055	9.80887	-1.31797
5	hcs047f12	?	?	0.566829	-0.679671	9.46413	9.54757	-1.05954
7	hcs047f12	?	?	0.513849	-0.78675	9.40503	9.50164	-1.06926
5	hcs047g01	23376	KIAA0776	0.191397	-1.94362	10.0844	10.6381	-1.46794
5	hcs047g02			0.0967162	-2.9774	9.80323	10.2701	-1.38206
1	hcs047g06			0.732883	-0.392005	9.75098	9.65729	1.06709
3	hcs047g06			0.897786	0.145313	10.5393	10.5073	1.02237
5	hcs047g06			0.709159	0.429895	9.93252	9.84845	1.06001
3	hcs047g08	2262	GPC5	0.92548	-0.105681	9.93074	9.9791	-1.03409
5	hcs047g08	2262	GPC5	0.383257	1.10804	9.60375	9.27262	1.258
7	hcs047g08	2262	GPC5	0.0464828	4.47496	9.52181	9.23254	1.22202
1	hcs047g10	64847	SPATA20	0.119668	2.62455	10.097	10.4585	0.778373
3	hcs047g10	64847	SPATA20	0.983685	-0.0230763	10.2954	10.3034	-1.00557
5	hcs047g10	64847	SPATA20	0.217209	1.77898	10.5525	10.3148	1.17911
7	hcs047g10	64847	SPATA20	0.231469	1.69873	10.3555	10.1961	1.11684
1	hcs047g12	57563	KLHL8	0.399914	1.0609	9.80168	9.92194	0.920022
3	hcs047g12	57563	KLHL8	0.196349	-1.90981	9.76648	10.2823	-1.42984
5	hcs047g12	57563	KLHL8	0.572316	0.66912	9.86151	9.7524	1.07857
7	hcs047g12	57563	KLHL8	0.111359	2.74034	9.53573	9.31888	1.1622
3	hcs047h12			0.134899	-2.43908	8.94666	9.31737	-1.29299
5	hcs047h12			0.096625	-2.97904	8.87047	8.99301	-1.08865
5	hcs048a03			0.96815	-0.0450651	11.0883	11.107	-1.01303
1	hcs048a04	5902	RANBP1	0.697854	-0.44825	10.7384	10.626	1.08105
3	hcs048a04	5902	RANBP1	0.81113	-0.271998	10.8763	10.9217	-1.03201
5	hcs048a04	5902	RANBP1	0.339438	-1.24429	10.3405	10.6718	-1.2581
7	hcs048a04	5902	RANBP1	0.813987	-0.267734	9.98705	10.0447	-1.04079
1	hcs048a06	6513	SLC2A1	0.683105	-0.47251	11.5739	11.4103	1.1201
3	hcs048a06	6513	SLC2A1	0.0781146	3.36482	12.3284	11.6568	1.59284
5	hcs048a06	6513	SLC2A1	0.219521	1.76551	11.981	11.2694	1.63767
7	hcs048a06	6513	SLC2A1	0.309509	1.34999	11.4657	11.1242	1.26707
3	hcs048a07	29066	ZC3H7A	0.751736	0.362446	10.4188	10.2975	1.08774
5	hcs048a07	29066	ZC3H7A	0.266569	-1.52587	9.87292	10.2623	-1.30983
1	hcs048a08	4862	NPAS2	0.983278	0.0236516	10.0249	10.0317	0.995277
3	hcs048a08	4862	NPAS2	0.367844	1.15379	10.3213	10.1758	1.10609
5	hcs048a08	4862	NPAS2	0.304723	1.36804	10.4262	10.1877	1.17974



1	hcs048a09	5660	PSAP	0.404118	-1.04935	12.5305	12.407	1.0894
3	hcs048a09	5660	PSAP	0.0676712	3.64621	13.0097	12.3752	1.55233
5	hcs048a09	5660	PSAP	0.105474	2.82999	12.9916	12.3664	1.54242
7	hcs048a09	5660	PSAP	0.121111	2.60559	12.2685	11.9139	1.2786
1	hcs048a10	23022	PALLD	0.662972	0.506248	9.95181	10.0966	0.904503
3	hcs048a10	23022	PALLD	0.0414707	4.75647	10.3512	10.1912	1.11732
5	hcs048a10	23022	PALLD	0.0027457	19.0447	10.3423	9.95258	1.31014
7	hcs048a10	23022	PALLD	0.79411	0.297548	9.8674	9.81515	1.03688
1	hcs048b03	10093	ARPC4	0.055249	-4.07604	10.7198	10.2454	1.38935
3	hcs048b03	10093	ARPC4	0.381785	1.11231	10.6935	10.3203	1.29519
5	hcs048b03	10093	ARPC4	0.0293998	5.70275	10.8477	10.3439	1.4179
7	hcs048b03	10093	ARPC4	0.191782	1.94095	10.2367	9.9395	1.22876
5	hcs048b06	3572	IL6ST	0.104375	2.84752	10.1976	9.75816	1.35613
1	hcs048b09	23118	TAB2	0.426753	0.989395	9.58862	9.75085	0.893643
3	hcs048b09	23118	TAB2	0.786371	-0.309257	9.65622	9.76191	-1.07601
5	hcs048b09	23118	TAB2	0.113956	2.70287	10.1341	9.5537	1.49523
7	hcs048b09	23118	TAB2	0.732356	-0.392838	9.41222	9.57877	-1.12237
1	hcs048b12	10953	TOMM34	0.610884	-0.597372	9.54926	9.46897	1.05723
5	hcs048b12	10953	TOMM34	0.747954	-0.368339	9.24994	9.3596	-1.07897
1	hcs048c02	2201	FBN2	0.26669	1.52532	9.77787	9.97882	0.869975
3	hcs048c02	2201	FBN2	0.662337	-0.507324	10.4908	10.7166	-1.16945
5	hcs048c02	2201	FBN2	0.291518	-1.41973	9.74534	10.4872	-1.6723
7	hcs048c02	2201	FBN2	0.897466	-0.145774	9.58389	9.63131	-1.03341
3	hcs048c03	56997	ADCK3	0.597922	0.621037	10.4062	10.2702	1.09884
5	hcs048c03	56997	ADCK3	0.498816	-0.819078	9.7954	10.4764	-1.60323
1	hcs048c04	9645	MICAL2	0.351683	1.20422	9.61032	9.95934	0.785119
3	hcs048c04	9645	MICAL2	0.629149	-0.564732	10.0212	10.1008	-1.05668
1	hcs048c06	805	CALM2	0.469625	0.884756	9.79258	10.2719	0.717326
3	hcs048c06	805	CALM2	0.41546	1.01886	11.3784	11.065	1.24264
5	hcs048c06	805	CALM2	0.955891	0.062441	10.7732	10.7519	1.0149
7	hcs048c06	805	CALM2	0.268107	-1.51896	9.44831	10.3875	-1.91742
1	hcs048c07	57716	PRX	0.1005	-2.91147	9.65811	9.45906	1.14794
3	hcs048c07	57716	PRX	0.659802	-0.51163	9.64514	10.1606	-1.42941
5	hcs048c07	57716	PRX	0.171011	-2.09626	10.142	10.5416	-1.3192
1	hcs048c11	6548	SLC9A1	0.730221	-0.396216	9.67919	9.56119	1.08523
5	hcs048c11	6548	SLC9A1	0.262241	1.54555	9.37234	9.13427	1.17941
1	hcs048c12			0.792999	-0.299225	9.53378	9.46833	1.04641
3	hcs048c12			0.605978	-0.606278	9.42555	9.50505	-1.05665
5	hcs048c12			0.0856824	-3.19271	9.04869	9.39344	-1.26993
1	hcs048d01	10382	TUBB4	0.564926	-0.683353	9.59021	9.52891	1.04341
3	hcs048d01	10382	TUBB4	0.786453	-0.309132	9.60737	9.75198	-1.10543
5	hcs048d01	10382	TUBB4	0.0813082	3.28939	10.0654	9.43569	1.54721
7	hcs048d01	10382	TUBB4	0.476552	-0.8688	9.38901	9.62872	-1.18076
1	hcs048e01	7428	VHL	0.181064	-2.01809	10.0438	9.97048	1.05214
5	hcs048e01	7428	VHL	0.0702816	-3.57025	10.1084	10.9152	-1.74934
5	hcs048e03	137964	AGPAT6	0.656416	-0.517399	10.4603	10.7795	-1.24758
3	hcs048e06	100130097	LOC100130	0.132467	2.46668	10.8647	10.4639	1.32028

1	hcs048e07	10239	AP3S2	0.446849	0.939012	9.72105	9.83569	0.923613
3	hcs048e07	10239	AP3S2	0.940226	-0.0846851	10.3716	10.4047	-1.02322
5	hcs048e07	10239	AP3S2	0.26613	-1.52785	10.035	10.1399	-1.07541
3	hcs048e08	4292	MLH1	0.317711	1.31983	10.1672	10.0224	1.1056
5	hcs048e08	4292	MLH1	0.631852	0.559967	10.0405	9.92161	1.08589
1	hcs048e09	10531	PITRM1	0.0589124	3.93567	9.8114	9.88065	0.953134
5	hcs048e09	10531	PITRM1	0.0482216	-4.38748	9.84853	10.0799	-1.17398
5	hcs048f03	29799	YPEL1	0.465686	-0.89394	9.88407	10.581	-1.62103
5	hcs048f04			0.736223	-0.386733	9.46413	9.7285	-1.20111
3	hcs048f05	22827	PUF60	0.154794	2.23654	10.2904	9.76671	1.43767
5	hcs048f05	22827	PUF60	0.740263	-0.380379	9.96611	9.99665	-1.0214
7	hcs048f05	22827	PUF60	0.146755	-2.3138	9.52869	9.80492	-1.21103
1	hcs048f06	?	?	0.534315	0.744199	9.21139	9.46326	0.839805
1	hcs048f11	5080	PAX6	0.90352	-0.137083	9.65417	9.6323	1.01527
3	hcs048f11	5080	PAX6	0.182626	-2.00647	9.59144	9.86224	-1.20648
5	hcs048f11	5080	PAX6	0.202822	1.86732	9.97483	9.69149	1.21701
7	hcs048f11	5080	PAX6	0.212045	-1.80977	9.43914	9.61597	-1.1304
1	hcs048g01	23077	MYCBP2	0.499972	0.816558	9.86564	10.0315	0.891409
3	hcs048g01	23077	MYCBP2	0.256452	1.57255	10.8965	10.3644	1.44596
5	hcs048g01	23077	MYCBP2	0.349631	-1.21082	10.8083	11.1481	-1.2656
5	hcs048g03	51309	ARMCX1	0.672912	-0.489498	10.5716	10.8686	-1.22853
1	hcs048g04	3105	HLA-A	0.761882	-0.346723	12.0552	11.9529	1.07348
3	hcs048g04	3105	HLA-A	0.434102	0.970679	12.2428	12.0638	1.1321
5	hcs048g04	3105	HLA-A	0.852819	-0.210437	12.543	12.5933	-1.0355
7	hcs048g04	3105	HLA-A	0.0969142	-2.97386	11.6497	12.0565	-1.32568
1	hcs048g05	100507557	LOC100507	0.744826	0.373226	10.3011	10.4183	0.92199
3	hcs048g05	100507557	LOC100507	0.425075	0.993718	11.3744	11.0489	1.25311
5	hcs048g05	100507557	LOC100507	0.271688	-1.50309	10.2442	10.495	-1.18983
7	hcs048g05	100507557	LOC100507	0.387213	-1.09663	9.62437	9.95715	-1.25944
3	hcs048g07	8526	DGKE	0.863019	0.195564	10.5495	10.4951	1.03842
5	hcs048g07	8526	DGKE	0.648026	-0.531797	10.3944	10.6704	-1.21075
7	hcs048g07	8526	DGKE	0.280402	-1.46555	8.95496	10.2711	-2.48992
1	hcs048g10	3192	HNRNPU	0.0237583	-6.37154	10.236	9.94488	1.22359
3	hcs048g10	3192	HNRNPU	0.454259	0.921046	10.571	10.3563	1.1605
5	hcs048g10	3192	HNRNPU	0.760097	0.34948	10.0723	9.9799	1.06613
1	hcs048g12	3856	KRT8	0.569085	0.675322	11.21	11.3432	0.911828
3	hcs048g12	3856	KRT8	0.482702	0.854833	11.4187	11.136	1.2165
5	hcs048g12	3856	KRT8	0.114554	2.69442	11.9463	11.268	1.60029
7	hcs048g12	3856	KRT8	0.365879	1.15978	11.2878	10.8843	1.32274
1	hcs048h01	3311	HSPA7	0.0184416	-7.26154	9.81454	9.07239	1.67266
1	hcs048h03	114991	ZNF618	0.647472	0.532752	9.5146	9.64577	0.913093
3	hcs048h03	114991	ZNF618	0.732277	-0.392962	9.92258	10.0262	-1.07444
5	hcs048h03	114991	ZNF618	0.326319	-1.28917	9.57249	10.1309	-1.4726
7	hcs048h03	114991	ZNF618	0.341843	1.23629	9.61698	9.40265	1.16016
5	hcs048h06	55666	NPLOC4	0.48659	-0.846096	8.94938	9.69922	-1.68161
5	hcs048h07	9060	PAPSS2	0.0733987	-3.48472	9.49468	10.3909	-1.86113
5	hcs048h08	64759	TNS3	0.0537077	4.13922	9.58664	9.22043	1.28896

1	hcs048h12	9644	SH3PXD2A	0.783014	-0.314354	9.16958	9.12268	1.03304
5	hcs048h12	9644	SH3PXD2A	0.0851133	-3.20488	8.87973	8.98761	-1.07764
5	hcs049a01	10631	POSTN	0.512676	-0.789239	9.35068	9.76716	-1.33467
5	hcs049a03			0.226714	-1.72475	8.8859	9.68163	-1.73596
3	hcs049a04	3433	IFIT2	0.04272	4.68179	10.1165	9.92235	1.14405
5	hcs049a04	3433	IFIT2	0.7213	-0.410402	9.40139	9.58752	-1.13771
1	hcs049a06	84726	PRRC2B	0.536015	0.740733	9.6055	9.74875	0.905477
3	hcs049a06	84726	PRRC2B	0.975755	0.0342977	9.85579	9.84874	1.0049
5	hcs049a06	84726	PRRC2B	0.248352	1.61166	9.8308	9.49554	1.2616
3	hcs049a08	29761	USP25	0.18562	1.98457	10.1985	9.91279	1.21901
5	hcs049a08	29761	USP25	0.166427	2.13401	9.90736	9.69975	1.15477
1	hcs049b04	80201	HKDC1	0.267469	-1.52182	9.70775	9.49073	1.16233
3	hcs049b04	80201	HKDC1	0.603179	0.611387	10.5409	10.3536	1.13868
5	hcs049b04	80201	HKDC1	0.830871	-0.24268	10.3449	10.3959	-1.03605
7	hcs049b04	80201	HKDC1	0.675755	-0.48474	9.33557	9.60468	-1.20506
5	hcs049b05	8454	CUL1	0.587481	-0.64042	9.94365	10.1393	-1.14525
5	hcs049b06	1838	DTNB	0.215397	-1.78967	9.74576	9.92081	-1.129
1	hcs049c02	64062	RBM26	0.51506	-0.784186	9.63345	9.12367	1.42383
3	hcs049c02	64062	RBM26	0.203826	-1.86088	8.95017	9.60112	-1.5702
5	hcs049c02	64062	RBM26	0.622456	-0.576601	9.53731	9.78735	-1.18924
3	hcs049c03	2992	GYG1	0.781101	0.317265	10.461	10.3724	1.06333
3	hcs049c04	116238	TLCD1	0.750783	0.363929	9.94219	9.89712	1.03174
5	hcs049c04	116238	TLCD1	0.471101	-0.881335	10.2115	10.3017	-1.06456
1	hcs049c05	5720	PSME1	0.974272	0.0363968	9.89923	9.90219	0.99795
3	hcs049c05	5720	PSME1	0.0219871	6.63225	10.5295	10.2048	1.25245
5	hcs049c05	5720	PSME1	0.0920669	3.06362	10.1416	9.87479	1.20317
7	hcs049c05	5720	PSME1	0.315044	-1.32953	9.90934	9.95677	-1.03342
3	hcs049c09	6434	TRA2B	0.514043	0.786339	10.0955	9.82151	1.20915
5	hcs049c09	6434	TRA2B	0.671935	0.491137	9.45966	9.31029	1.10908
1	hcs049c10	23633	KPNA6	0.196863	-1.90638	9.67531	9.17341	1.41607
3	hcs049c10	23633	KPNA6	0.724715	0.404958	9.8653	9.81338	1.03665
5	hcs049c10	23633	KPNA6	0.861181	0.198239	9.71705	9.68581	1.02189
3	hcs049c11	4193	MDM2	0.921081	0.111958	10.164	10.1479	1.01124
5	hcs049c11	4193	MDM2	0.454615	0.920191	9.75385	9.6063	1.10769
1	hcs049d03	6746	SSR2	0.189921	1.95392	10.2323	10.4739	0.845832
3	hcs049d03	6746	SSR2	0.991826	-0.0115597	10.7169	10.7186	-1.00116
5	hcs049d03	6746	SSR2	0.0979303	-2.95586	10.469	10.6258	-1.11484
3	hcs049d05			0.866902	0.189919	10.2957	10.2636	1.02246
5	hcs049d08	54540	FAM193B	0.813281	0.268788	9.73351	9.69744	1.02532
1	hcs049d10			0.0994708	2.92906	9.6827	9.84263	0.895071
3	hcs049d10			0.958261	0.059079	10.1134	10.1067	1.00465
5	hcs049d10			0.138631	2.39805	9.77492	9.58189	1.14317
7	hcs049d10			0.520894	-0.77192	9.20957	9.45653	-1.1867
5	hcs049d11			0.0850285	3.20671	10.3988	9.60142	1.7379
1	hcs049e02	?	?	0.18812	1.96664	9.38995	9.60293	0.862753
3	hcs049e02	?	?	0.631035	0.561407	9.71662	9.49208	1.1684
7	hcs049e02	?	?	0.506396	0.802659	9.44058	9.3808	1.04231

1	hcs049e04	4190	MDH1	0.948844	-0.072440	10.3296	10.3115	1.01262
3	hcs049e04	4190	MDH1	0.193017	1.93244	10.5795	10.1603	1.33713
5	hcs049e04	4190	MDH1	0.73709	0.385368	10.2628	10.1836	1.05645
7	hcs049e04	4190	MDH1	0.189547	-1.95655	9.97753	10.2333	-1.194
3	hcs049e05	57551	TAOK1	0.831203	-0.24219	9.59636	9.69987	-1.07438
5	hcs049e05	57551	TAOK1	0.114028	2.70186	10.3176	10.0722	1.18544
1	hcs049e06	?	?	0.429088	0.98341	9.32829	9.48579	0.896575
3	hcs049e06	?	?	0.221082	-1.75652	9.5884	9.80592	-1.16273
5	hcs049e06	?	?	0.215576	1.78862	9.34231	9.15107	1.14174
1	hcs049e08	10728	PTGES3	0.141233	-2.37034	10.4863	10.246	1.1812
3	hcs049e08	10728	PTGES3	0.504458	-0.806833	10.1836	10.2787	-1.06818
5	hcs049e08	10728	PTGES3	0.918407	-0.115776	10.7272	10.7548	-1.01936
7	hcs049e08	10728	PTGES3	0.0081029	-11.0415	9.63073	10.2917	-1.58117
3	hcs049e10	?	?	0.40085	-1.05832	9.39109	9.69524	-1.2347
3	hcs049f03	23197	FAF2	0.338262	1.24822	10.5321	10.3318	1.14897
5	hcs049f03	23197	FAF2	0.669531	0.495174	10.8078	10.7116	1.06895
7	hcs049f03	23197	FAF2	0.357046	-1.18719	9.08622	9.66447	-1.49303
1	hcs049f04	22794	CASC3	0.767563	0.337973	9.6543	9.71269	0.960335
3	hcs049f04	22794	CASC3	0.4369	-0.963642	10.1024	10.2132	-1.07985
5	hcs049f04	22794	CASC3	0.889407	0.157367	10.023	10.0061	1.01177
7	hcs049f04	22794	CASC3	0.249999	-1.60357	9.45544	9.74426	-1.22164
1	hcs049f05	55568	GALNT10	0.919389	-0.114374	9.69184	9.6723	1.01363
3	hcs049f05	55568	GALNT10	0.781207	0.317103	10.4015	10.3421	1.042
5	hcs049f05	55568	GALNT10	0.709641	-0.429117	10.2317	10.3202	-1.06327
5	hcs049f10	10005	ACOT8	0.651952	-0.525042	9.54679	9.6783	-1.09544
5	hcs049f11	115207	KCTD12	0.0069794	-11.9071	9.21404	9.37505	-1.11807
5	hcs049g01	3912	LAMB1	0.665843	-0.50139	9.51514	9.67928	-1.1205
5	hcs049g04			0.0392762	-4.89599	9.30382	9.9047	-1.51664
1	hcs049g07	162427	FAM134C	0.207975	-1.83475	9.57337	9.39405	1.13235
3	hcs049g07	162427	FAM134C	0.637119	-0.550732	9.42093	9.65268	-1.17426
5	hcs049g07	162427	FAM134C	0.213422	1.80146	9.6104	9.49785	1.08114
7	hcs049g07	162427	FAM134C	0.172252	-2.08628	9.11703	9.41142	-1.22636
1	hcs049g11	?	?	0.350166	-1.20909	9.58235	8.92139	1.58113
5	hcs049g11	?	?	0.48593	0.847574	9.54363	9.40078	1.10408
1	hcs049h01	25999	CLIP3	0.182432	2.0079	9.39544	9.68438	0.818503
3	hcs049h01	25999	CLIP3	0.965292	-0.049113	9.9173	9.92329	-1.00416
5	hcs049h01	25999	CLIP3	0.22073	1.75854	10.0994	9.89108	1.15533
7	hcs049h01	25999	CLIP3	0.648003	0.531836	9.50543	9.39332	1.08081
5	hcs049h02	9647	PPM1F	0.105712	-2.82622	9.4887	9.84759	-1.28244
3	hcs049h03	84247	LDOC1L	0.290833	1.42249	10.1522	10.0667	1.06107
5	hcs049h03	84247	LDOC1L	0.207427	-1.83816	9.87989	10.0257	-1.10638
1	hcs049h04			0.986982	-0.018411	9.86567	9.86452	1.0008
3	hcs049h04			0.991245	0.0123816	10.1783	10.1761	1.00157
5	hcs049h04			0.514664	0.785024	10.5127	10.4133	1.07129
7	hcs049h04			0.728733	0.398575	9.34436	9.26269	1.05824
1	hcs050a01			0.0119875	9.05116	9.7851	10.0091	0.856214
5	hcs050a01			0.414834	-1.02051	10.0363	10.2793	-1.18349

1	hcs050a04	54467	ANKIB1	0.498974	-0.818734	9.75862	9.57189	1.13818
3	hcs050a04	54467	ANKIB1	0.922456	-0.109995	10.0872	10.0973	-1.007
5	hcs050a04	54467	ANKIB1	0.694348	0.453984	10.2723	10.1913	1.05778
1	hcs050a06	415116	PIM3	0.277079	1.47969	9.9733	10.1912	0.859794
3	hcs050a06	415116	PIM3	0.722965	0.407745	10.5889	10.4843	1.07524
5	hcs050a06	415116	PIM3	0.16439	-2.15125	10.4449	10.8207	-1.29757
1	hcs050a09	89970	RSPRY1	0.754291	-0.358475	10.1601	10.0905	1.04939
3	hcs050a09	89970	RSPRY1	0.617161	0.586065	10.3072	10.2232	1.05997
5	hcs050a09	89970	RSPRY1	0.311823	1.34138	10.0243	9.94987	1.05298
1	hcs050a10	5917	RARS	0.712972	-0.423749	9.80272	9.74373	1.04174
5	hcs050a10	5917	RARS	0.373768	-1.13595	9.81043	9.94593	-1.09847
1	hcs050a11	3185	HNRNPF	0.0587362	-3.94213	10.8063	10.3966	1.32844
3	hcs050a11	3185	HNRNPF	0.829445	0.244788	10.5578	10.4906	1.04773
5	hcs050a11	3185	HNRNPF	0.26677	1.52496	10.6573	10.4797	1.13103
7	hcs050a11	3185	HNRNPF	0.675045	-0.485927	10.1174	10.216	-1.07072
1	hcs050b02			0.640876	0.54418	12.5187	12.5544	0.975558
3	hcs050b02			0.606021	-0.606201	12.2806	12.3527	-1.05122
5	hcs050b02			0.110776	-2.74892	12.2924	12.6407	-1.27312
7	hcs050b02			0.304184	-1.3701	11.6613	12.0407	-1.30086
1	hcs050b03	23683	PRKD3	0.952818	-0.0667998	10.039	10.0286	1.00727
3	hcs050b03	23683	PRKD3	0.711588	0.425977	10.9373	10.8841	1.03755
5	hcs050b03	23683	PRKD3	0.315812	-1.32672	10.3015	10.6139	-1.24178
7	hcs050b03	23683	PRKD3	0.394819	1.07508	9.43524	9.39433	1.02876
5	hcs050b04	23122	CLASP2	0.682778	-0.473052	10.3726	10.6363	-1.20058
1	hcs050b05	8303	SNN	0.772541	0.330335	10.3789	10.4157	0.974801
3	hcs050b05	8303	SNN	0.584872	-0.64531	10.5363	10.8105	-1.20931
5	hcs050b05	8303	SNN	0.207437	-1.8381	10.2809	10.717	-1.35292
7	hcs050b05	8303	SNN	0.877209	-0.174976	9.71617	9.76391	-1.03364
5	hcs050c02			0.329602	-1.27774	9.72474	10.6093	-1.84624
3	hcs050c07			0.464396	0.896964	10.414	10.2627	1.11058
5	hcs050c07			0.625065	-0.571962	9.40383	9.51029	-1.07658
5	hcs050c08	50863	NTM	0.170356	-2.10158	9.47601	10.0773	-1.51703
1	hcs050d03	5901	RAN	0.0152427	-8.00682	11.826	11.2504	1.4903
3	hcs050d03	5901	RAN	0.436603	0.964388	12.0747	11.8836	1.14163
5	hcs050d03	5901	RAN	0.667637	-0.498363	11.6953	11.869	-1.12797
7	hcs050d03	5901	RAN	0.0459684	-4.50176	10.8353	11.2395	-1.32332
3	hcs050d05	22954	TRIM32	0.442519	0.949658	10.4998	10.2711	1.17182
5	hcs050d05	22954	TRIM32	0.668601	-0.496739	10.0775	10.2106	-1.09659
1	hcs050d12	81035	COLEC12	0.886527	0.161518	9.7527	9.76859	0.989048
3	hcs050d12	81035	COLEC12	0.376837	-1.12683	9.80966	10.0316	-1.16627
5	hcs050d12	81035	COLEC12	0.0097462	-10.0552	9.40486	9.67876	-1.20907
7	hcs050d12	81035	COLEC12	0.262682	-1.54353	9.18211	9.29755	-1.0833
5	hcs050e03	7733	ZNF180	0.412945	-1.02554	9.85383	10.6947	-1.79108
3	hcs050e04	80124	VCPIP1	0.575509	-0.663022	9.40346	9.76287	-1.2829
1	hcs050e07	8565	YARS	0.942221	-0.0818487	9.90171	9.87397	1.01941
3	hcs050e07	8565	YARS	0.828788	0.24576	9.91372	9.88327	1.02133
5	hcs050e07	8565	YARS	0.859504	0.200681	9.8996	9.85025	1.0348

7	hcs050e07	8565	YARS	0.216948	-1.78051	9.48728	9.89729	-1.32869
1	hcs050e11	3800	KIF5C	0.355738	-1.19131	9.59025	8.95363	1.55468
3	hcs050e11	3800	KIF5C	0.0459339	4.50357	10.0055	9.83558	1.12497
5	hcs050e11	3800	KIF5C	0.210077	1.82177	9.175	9.06679	1.07789
5	hcs050f02			0.987639	-0.0174824	10.6873	10.7003	-1.00905
1	hcs050f03	?	?	0.200735	1.88082	9.94042	10.3157	0.770965
3	hcs050f03	?	?	0.762587	-0.345635	10.4235	10.4407	-1.01203
5	hcs050f03	?	?	0.226751	-1.72455	10.1867	10.408	-1.16581
7	hcs050f03	?	?	0.152561	-2.25744	9.7221	10.0734	-1.27567
1	hcs050f07	1408	CRY2	0.295974	1.40197	9.65592	9.72113	0.955808
3	hcs050f07	1408	CRY2	0.66739	-0.49878	10.1241	10.3	-1.12966
5	hcs050f07	1408	CRY2	0.345789	-1.2233	9.52617	9.72102	-1.14461
1	hcs050f08	10519	CIB1	0.319916	-1.31188	9.89898	9.81425	1.06049
3	hcs050f08	10519	CIB1	0.792359	0.300191	10.3675	10.3412	1.01841
5	hcs050f08	10519	CIB1	0.67982	0.477965	10.0743	10.0448	1.02069
7	hcs050f08	10519	CIB1	0.572747	-0.668296	9.66246	9.76364	-1.07265
1	hcs050f12	55705	IPO9	0.089101	-3.12194	9.50131	9.19477	1.23674
5	hcs050f12	55705	IPO9	0.564658	0.683873	9.4638	9.33368	1.09438
1	hcs050g02	10972	TMED10	0.0536121	4.14322	10.1963	10.6208	0.745089
3	hcs050g02	10972	TMED10	0.0916071	3.07249	11.0313	10.2278	1.74529
5	hcs050g02	10972	TMED10	0.765744	-0.34077	10.1915	10.3511	-1.11694
7	hcs050g02	10972	TMED10	0.689064	0.462664	10.2696	10.1537	1.08366
5	hcs050g04	?	?	0.518375	-0.777199	9.95745	10.6343	-1.59859
1	hcs050g05	22877	MLXIP	0.0192286	-7.10709	9.84528	9.58239	1.19988
3	hcs050g05	22877	MLXIP	0.231277	1.69976	10.321	9.54239	1.71552
5	hcs050g05	22877	MLXIP	0.354701	-1.1946	9.73465	10.2726	-1.45194
5	hcs050g10	148423	C1orf52	0.791308	0.30178	9.71537	9.63907	1.05431
1	hcs050h02			0.750926	0.363707	10.0726	10.2142	0.906496
3	hcs050h02			0.143551	-2.34624	10.5315	10.7141	-1.135
5	hcs050h02			0.396236	-1.07111	10.4959	11.1023	-1.5225
1	hcs050h03			0.565173	0.682875	10.0747	10.3626	0.81908
3	hcs050h03			0.968842	0.0440852	10.9165	10.9082	1.00576
5	hcs050h03			0.291006	-1.42179	10.7466	11.2816	-1.4489
7	hcs050h03			0.377493	-1.12489	9.70471	9.96359	-1.19655
1	hcs050h04	7082	TJP1	0.564057	-0.685037	10.6589	10.4788	1.13299
3	hcs050h04	7082	TJP1	0.698176	0.447724	10.8847	10.8576	1.01899
5	hcs050h04	7082	TJP1	0.147082	-2.31055	10.5731	11.3007	-1.65592
7	hcs050h04	7082	TJP1	0.0421657	-4.71452	9.36925	10.2318	-1.81824
1	hcs050h06	8566	PDXK	0.687571	-0.465126	10.066	9.99046	1.05375
3	hcs050h06	8566	PDXK	0.182286	2.00898	10.7622	10.5291	1.17538
5	hcs050h06	8566	PDXK	0.101266	2.89857	10.4031	10.1283	1.2098
7	hcs050h06	8566	PDXK	0.0217286	6.67291	9.95601	9.78211	1.1281
1	hcs050h09	55593	OTUD5	0.108695	2.78006	9.81319	9.94898	0.910173
3	hcs050h09	55593	OTUD5	0.0178086	7.39305	10.2897	10.1857	1.07472
5	hcs050h09	55593	OTUD5	0.601474	-0.614509	9.91069	9.99925	-1.06331
7	hcs050h09	55593	OTUD5	0.0302513	-5.61819	9.37843	9.57497	-1.14595
1	hcs050h10	57707	KIAA1609	0.738084	0.383803	9.5407	9.64744	0.928682

3	hcs050h10	57707	KIAA1609	0.789796	-0.304067	9.94536	10.0047	-1.04196
5	hcs050h10	57707	KIAA1609	0.305019	-1.36691	9.49693	9.65135	-1.11297
1	hcs051a01	9500	MAGED1	0.0893695	3.11655	10.1287	10.7082	0.669195
3	hcs051a01	9500	MAGED1	0.270119	-1.51001	10.4613	10.6926	-1.17392
5	hcs051a01	9500	MAGED1	0.865256	-0.192311	10.6694	10.6936	-1.01689
7	hcs051a01	9500	MAGED1	0.243924	-1.63374	10.0199	10.2294	-1.15626
1	hcs051a03	?	?	0.91685	0.118001	10.7642	10.7776	0.990778
3	hcs051a03	?	?	0.982015	-0.0254385	10.815	10.8182	-1.00222
5	hcs051a03	?	?	0.615905	0.58832	10.7691	10.6719	1.06967
7	hcs051a03	?	?	0.433214	0.972922	10.2891	10.1253	1.12026
3	hcs051a07	550	AUP1	0.54978	0.713063	10.4058	10.2763	1.09395
5	hcs051a07	550	AUP1	0.915091	-0.120514	9.8166	9.82243	-1.00405
1	hcs051b10	9847	KIAA0528	0.516832	0.780446	11.2035	11.4664	0.833411
3	hcs051b10	9847	KIAA0528	0.806939	0.278264	11.0883	11.0399	1.03409
5	hcs051b10	9847	KIAA0528	0.0118911	9.08842	11.5082	10.9108	1.51302
7	hcs051b10	9847	KIAA0528	0.0084690	10.7972	11.2674	10.5946	1.59413
1	hcs051c02	93183	PIGM	0.0030520	-18.0596	10.2592	9.89708	1.28531
3	hcs051c02	93183	PIGM	0.689323	0.462238	10.4598	10.3712	1.06339
5	hcs051c02	93183	PIGM	0.178432	2.03798	10.4945	10.3389	1.1139
5	hcs051c05	55074	OXR1	0.190325	1.95109	10.7972	10.5491	1.18771
5	hcs051c07	51493	C22orf28	0.77447	0.327382	9.91543	9.86792	1.03348
1	hcs051c11	81794	ADAMTS10	0.587673	-0.640062	9.41018	9.33591	1.05283
5	hcs051c11	81794	ADAMTS10	0.514638	0.78508	9.42716	9.37378	1.03769
3	hcs051d04	22978	NT5C2	0.37076	1.14496	9.82677	9.65416	1.1271
5	hcs051d04	22978	NT5C2	0.410658	1.03165	10.1532	9.92396	1.17224
1	hcs051d05	55737	VPS35	0.322324	-1.30328	9.80402	9.68494	1.08604
3	hcs051d05	55737	VPS35	0.597442	0.62192	10.0386	9.95638	1.05864
5	hcs051d05	55737	VPS35	0.16406	2.15407	10.1355	9.88866	1.18661
1	hcs051d07	2665	GDI2	0.761511	0.347295	10.2505	10.3614	0.925989
3	hcs051d07	2665	GDI2	0.692998	-0.456197	10.2906	10.381	-1.06461
5	hcs051d07	2665	GDI2	0.270336	1.50905	10.2407	10.1551	1.06114
1	hcs051d08	10015	PDCD6IP	0.182199	2.00963	9.6216	9.76425	0.905856
3	hcs051d08	10015	PDCD6IP	0.771578	0.33181	10.1413	10.0544	1.06209
5	hcs051d08	10015	PDCD6IP	0.0222895	6.58558	9.75669	9.43426	1.25043
1	hcs051e01	204	AK2	0.538298	-0.736098	9.87221	9.57274	1.23069
5	hcs051e01	204	AK2	0.44206	-0.950793	9.96358	10.2054	-1.18251
3	hcs051e05	9665	KIAA0430	0.254737	1.5807	11.2118	10.8781	1.26027
5	hcs051e05	9665	KIAA0430	0.794732	-0.296609	10.5676	10.6738	-1.07638
1	hcs051e06	3693	ITGB5	0.234421	1.68292	9.72443	9.93267	0.865593
3	hcs051e06	3693	ITGB5	0.591802	-0.632362	10.3661	10.4304	-1.0456
5	hcs051e06	3693	ITGB5	0.586199	-0.64282	9.99272	10.0641	-1.05073
1	hcs051e07	9315	C5orf13	0.0246455	6.25153	10.3103	10.5802	0.829391
3	hcs051e07	9315	C5orf13	0.318881	-1.3156	10.6798	10.7748	-1.06805
5	hcs051e07	9315	C5orf13	0.246903	-1.61882	10.1714	10.598	-1.34409
1	hcs051e10	6301	SARS	0.250415	1.60154	10.7301	11.8702	0.453739
3	hcs051e10	6301	SARS	0.360974	-1.1749	11.2285	11.6224	-1.31397
5	hcs051e10	6301	SARS	0.12889	2.50858	12.3624	11.912	1.36642

7	hcs051e10	6301	SARS	0.943715	-0.0797248	11.3846	11.4494	-1.04592
1	hcs051e12	?	?	0.526708	-0.759828	9.68899	9.51204	1.13049
5	hcs051e12	?	?	0.538926	-0.734826	9.54462	9.63652	-1.06577
1	hcs051f01	57187	THOC2	0.0112064	-9.36685	9.48757	9.18199	1.23592
5	hcs051f01	57187	THOC2	0.730626	0.395574	9.66134	9.5397	1.08798
1	hcs051f07	648	BMI1	0.547868	-0.716868	9.83041	9.76198	1.04858
3	hcs051f07	648	BMI1	0.593276	0.629625	9.95099	9.91595	1.02458
1	hcs051f11	55715	DOK4	0.828861	-0.245651	9.68803	9.63059	1.04062
3	hcs051f11	55715	DOK4	0.912778	0.123823	9.65144	9.63358	1.01246
5	hcs051f11	55715	DOK4	0.719908	-0.412625	9.44924	9.48813	-1.02732
3	hcs051g03			0.832833	0.239784	10.1744	10.0989	1.05376
5	hcs051g03			0.179456	-2.03019	9.36442	10.1969	-1.7807
3	hcs051g04	8736	MYOM1	0.853989	0.208728	9.91602	9.88627	1.02083
5	hcs051g08	677885	SNORA59A	0.634637	-0.555077	9.27276	9.48997	-1.16248
5	hcs051g09	647135	SRGAP2P2	0.772997	0.329636	9.63459	9.58706	1.0335
3	hcs051g10	23403	FBXO46	0.841474	0.227061	9.66519	9.6127	1.03705
1	hcs051h02	?	?	0.476977	0.867828	9.17002	9.41942	0.841248
3	hcs051h02	?	?	0.39057	-1.08706	9.37867	9.62476	-1.18599
5	hcs051h02	?	?	0.269411	1.51315	9.74468	9.53467	1.15669
7	hcs051h02	?	?	0.965506	0.0488108	10.7312	10.7204	1.0075
3	hcs051h03			0.72588	0.403104	9.43294	9.38494	1.03383
5	hcs051h03			0.693174	-0.455909	9.39972	9.47156	-1.05105
1	hcs051h04	5156	PDGFRA	0.448812	-0.934223	9.75107	9.57172	1.13237
3	hcs051h04	5156	PDGFRA	0.746875	0.370023	9.63876	9.58652	1.03687
5	hcs051h04	5156	PDGFRA	0.747007	-0.369817	9.58997	9.63904	-1.0346
1	hcs052a05	8733	GPAA1	0.954575	0.0643071	10.0201	10.0255	0.996271
3	hcs052a05	8733	GPAA1	0.555169	0.702407	10.5876	10.4364	1.11055
5	hcs052a05	8733	GPAA1	0.327187	1.28614	10.2466	10.1857	1.04314
1	hcs052a07			0.305984	-1.36325	10.0644	9.75878	1.23595
5	hcs052a07			0.128584	-2.51224	9.46476	9.72384	-1.19672
1	hcs052a08			0.28911	-1.42947	10.0923	9.84648	1.18577
3	hcs052a08			0.520478	0.772789	10.4424	10.2893	1.11197
5	hcs052a08			0.983385	0.0235011	9.93691	9.9297	1.00501
5	hcs052a09	1655	DDX5	0.174193	-2.07086	9.57982	9.9441	-1.28724
1	hcs052a12			0.72724	0.400944	9.58707	9.6014	0.990114
3	hcs052a12			0.0699835	-3.57872	9.74258	10.0677	-1.25275
5	hcs052a12			0.415778	-1.01802	9.23164	9.37413	-1.1038
7	hcs052a12			0.434379	-0.96998	9.32126	9.42867	-1.07729
1	hcs052b01	10607	TBL3	0.833732	0.238458	9.55297	9.5838	0.978859
5	hcs052b01	10607	TBL3	0.74378	-0.374863	9.92463	10.0445	-1.08667
1	hcs052b10	80148	PQLC1	0.247947	-1.61365	9.63202	9.41361	1.16345
3	hcs052b10	80148	PQLC1	0.757841	-0.35297	9.54249	9.59239	-1.0352
5	hcs052b10	80148	PQLC1	0.861247	-0.198144	9.34265	9.38218	-1.02778
1	hcs052b11	57482	KIAA1211	0.271052	-1.50589	13.2203	12.6538	1.48093
3	hcs052b11	57482	KIAA1211	0.184909	1.98972	12.7109	12.0457	1.58582
5	hcs052b11	57482	KIAA1211	0.151933	2.26339	13.3397	12.4375	1.86887
7	hcs052b11	57482	KIAA1211	0.132495	2.46636	12.8329	12.1103	1.65015



1	hcs052c03	10944	C11orf58	0.0321649	-5.4404	10.4748	10.2856	1.14015
3	hcs052c03	10944	C11orf58	0.264095	1.53707	10.8188	10.4128	1.32503
5	hcs052c03	10944	C11orf58	0.934185	0.0932784	10.2701	10.2453	1.01733
1	hcs052c05	22985	ACIN1	0.906724	0.13249	12.279	12.3268	0.967388
3	hcs052c05	22985	ACIN1	0.563904	0.685335	12.1127	11.9964	1.08395
5	hcs052c05	22985	ACIN1	0.832974	0.239576	12.6067	12.566	1.02861
7	hcs052c05	22985	ACIN1	0.711201	-0.4266	11.9233	12.1208	-1.14668
1	hcs052c06	2109	ETFB	0.268837	1.51571	9.72096	9.95211	0.851954
3	hcs052c06	2109	ETFB	0.900021	-0.142103	10.3749	10.4119	-1.02598
5	hcs052c06	2109	ETFB	0.811284	0.271768	10.0575	10.0359	1.0151
1	hcs052c07	?	?	0.664878	0.503021	10.281	10.324	0.970616
3	hcs052c07	?	?	0.582186	0.650366	10.6922	10.6646	1.01936
5	hcs052c07	?	?	0.197345	-1.90315	10.2549	10.4266	-1.12638
7	hcs052c07	?	?	0.103369	-2.8638	9.71367	9.99561	-1.21583
1	hcs052c08	6272	SORT1	0.518859	0.776184	9.98925	10.0917	0.931465
3	hcs052c08	6272	SORT1	0.55633	0.700124	10.5406	10.3867	1.11251
5	hcs052c08	6272	SORT1	0.416844	1.0152	10.3071	10.1973	1.07909
7	hcs052c08	6272	SORT1	0.385459	1.10167	9.89196	9.77416	1.08507
1	hcs052c10			0.80689	-0.278338	9.65684	9.53279	1.08979
3	hcs052c10			0.774581	0.327212	10.2658	10.2226	1.03042
5	hcs052c10			0.349923	-1.20988	9.54135	9.69151	-1.10969
1	hcs052d01	1960	EGR3	0.77595	-0.325121	9.57304	9.53549	1.02637
3	hcs052d01	1960	EGR3	0.0041431	-15.4875	9.88708	10.3404	-1.36916
5	hcs052d01	1960	EGR3	0.294569	-1.40753	9.67989	10.0612	-1.30254
1	hcs052d05	10524	KAT5	0.0689691	-3.60792	9.83201	9.58027	1.19064
3	hcs052d05	10524	KAT5	0.725598	-0.403553	10.2355	10.2846	-1.03461
5	hcs052d05	10524	KAT5	0.982735	-0.0244194	9.9512	9.95621	-1.00347
3	hcs052d09	9147	SDCCAG1	0.80678	-0.278503	9.91446	9.92046	-1.00417
5	hcs052d09	9147	SDCCAG1	0.0953026	3.00298	9.5089	9.42292	1.06141
5	hcs052e02	1195	CLK1	0.932655	0.0954575	10.1984	10.15	1.03412
1	hcs052e03	?	?	0.568346	0.676746	10.155	10.2182	0.95717
3	hcs052e03	?	?	0.811685	-0.27117	10.864	10.9101	-1.03242
5	hcs052e03	?	?	0.783749	0.313238	10.3449	10.2527	1.06597
7	hcs052e03	?	?	0.586745	-0.641797	9.79058	10.1029	-1.24174
5	hcs052e04	?	?	0.186432	-1.97871	9.01199	9.99696	-1.97928
5	hcs052e09	117177	RAB3IP	0.489661	-0.839244	9.8308	9.97079	-1.1019
3	hcs052e10	5870	RAB6A	0.194583	1.92174	10.3195	9.89784	1.33948
5	hcs052e10	5870	RAB6A	0.560558	0.691845	9.93396	9.81663	1.08472
7	hcs052e10	5870	RAB6A	0.776507	-0.324269	9.46721	9.54274	-1.05375
5	hcs052e12	284004	HEXDC	0.545349	-0.7219	9.21163	9.36257	-1.1103
1	hcs052f03	6295	SAG	0.202296	1.8707	9.70027	9.74152	0.97181
3	hcs052f03	6295	SAG	0.136729	-2.41876	9.98464	10.1679	-1.13545
5	hcs052f03	6295	SAG	0.704014	0.438223	10.0416	9.97633	1.04627
1	hcs052f04	56271	BEX4	0.913771	0.122402	9.59285	9.62159	0.980274
3	hcs052f04	56271	BEX4	0.833475	0.238837	9.80273	9.77613	1.01861
5	hcs052f04	56271	BEX4	0.393371	1.07914	9.81276	9.64413	1.12399
1	hcs052f05	23191	CYFIP1	0.805523	-0.280386	9.85615	9.82357	1.02284

3	hcs052f05	23191	CYFIP1	0.180713	-2.02071	9.96187	10.1752	-1.15936
7	hcs052f05	23191	CYFIP1	0.850524	-0.213793	9.36752	9.3922	-1.01725
5	hcs052f09			0.974056	0.0367022	9.37113	9.3673	1.00266
1	hcs052f11	25829	TMEM184E	0.145622	2.32516	10.5104	11.0827	0.672528
3	hcs052f11	25829	TMEM184E	0.909374	0.128694	10.8539	10.8129	1.0288
5	hcs052f11	25829	TMEM184E	0.675834	0.484609	11.1263	11.0426	1.05973
7	hcs052f11	25829	TMEM184E	0.0399541	-4.85169	10.3515	10.6932	-1.26725
1	hcs052f12	3133	HLA-E	0.0762952	3.40981	9.92409	10.5259	0.658942
3	hcs052f12	3133	HLA-E	0.703085	-0.439731	10.1903	10.2305	-1.02826
5	hcs052f12	3133	HLA-E	0.411111	1.03044	10.6945	10.4726	1.16632
7	hcs052f12	3133	HLA-E	0.357159	-1.18683	10.088	10.3	-1.1583
1	hcs052g01	55258	THNSL2	0.606774	0.60483	10.0399	10.1354	0.935948
3	hcs052g01	55258	THNSL2	0.849534	-0.215241	10.3119	10.3966	-1.06051
5	hcs052g01	55258	THNSL2	0.269609	-1.51228	10.0062	10.3985	-1.31249
3	hcs052g07	55871	CBWD1	0.32733	-1.28564	10.3219	10.7081	-1.30693
5	hcs052g07	55871	CBWD1	0.84291	0.224952	11.1347	11.0318	1.07389
1	hcs052g08	1337	COX6A1	0.218104	1.77374	10.0232	10.16	0.909515
3	hcs052g08	1337	COX6A1	0.621437	0.578417	10.4304	10.2677	1.11935
5	hcs052g08	1337	COX6A1	0.27002	-1.51045	9.92854	10.2247	-1.2279
7	hcs052g08	1337	COX6A1	0.325385	-1.29245	9.58006	9.90618	-1.25364
1	hcs052g11	10616	RBCK1	0.207985	-1.83469	9.58386	9.5325	1.03624
3	hcs052g11	10616	RBCK1	0.233382	1.68846	10.0567	9.98065	1.05413
5	hcs052g11	10616	RBCK1	0.133863	2.45075	9.83924	9.54059	1.23
7	hcs052g11	10616	RBCK1	0.0288087	5.7636	9.51282	9.34784	1.12115
1	hcs052h01	4718	NDUFC2	0.997321	0.0037879	10.0923	10.0929	0.999561
3	hcs052h01	4718	NDUFC2	0.969794	-0.0427374	10.2471	10.2641	-1.01183
5	hcs052h01	4718	NDUFC2	0.0757786	3.42287	10.3594	10.0305	1.25599
7	hcs052h01	4718	NDUFC2	0.422466	1.00048	9.79161	9.64292	1.10856
5	hcs052h05	221477	C6orf89	0.833218	0.239215	9.99157	9.92361	1.04823
1	hcs052h06			0.186427	-1.97874	10.1671	9.99374	1.12768
5	hcs052h06			0.500156	0.816158	9.77257	9.64085	1.0956
1	hcs053a03	7707	ZNF148	0.431778	-0.97656	9.80212	9.5378	1.20107
3	hcs053a03	7707	ZNF148	0.253994	-1.58424	9.69585	10.1807	-1.39947
5	hcs053a03	7707	ZNF148	0.0284197	5.80466	9.98704	9.69354	1.22561
7	hcs053a03	7707	ZNF148	0.894506	-0.150028	9.65574	9.70639	-1.03574
1	hcs053a04	8637	EIF4EBP3	0.145555	2.32583	9.63504	9.84453	0.864841
3	hcs053a04	8637	EIF4EBP3	0.140871	-2.37415	9.77281	10.2812	-1.42248
5	hcs053a04	8637	EIF4EBP3	0.441155	0.953037	10.0606	9.74164	1.24743
7	hcs053a04	8637	EIF4EBP3	0.106913	-2.80742	9.73756	9.86837	-1.0949
1	hcs053a05	51263	MRPL30	0.785563	0.310482	10.1083	10.19	0.944935
3	hcs053a05	51263	MRPL30	0.178001	-2.04127	10.159	10.7368	-1.49256
5	hcs053a05	51263	MRPL30	0.0712102	3.54421	10.5982	10.3166	1.21556
7	hcs053a05	51263	MRPL30	0.654213	-0.521166	10.1057	10.2476	-1.10337
1	hcs053a07	?	?	0.398347	1.06524	9.99036	10.1255	0.910554
3	hcs053a07	?	?	0.624392	-0.573158	10.0642	10.2225	-1.11598
5	hcs053a07	?	?	0.311704	1.34182	10.2823	9.94334	1.26484
7	hcs053a07	?	?	0.832969	0.239584	10.1167	10.1041	1.00882

1	hcs053a08	79027	ZNF655	0.0066607	12.1916	9.5722	9.73318	0.89442
3	hcs053a08	79027	ZNF655	0.187315	-1.97238	9.87584	10.4465	-1.48517
5	hcs053a08	79027	ZNF655	0.403473	1.05111	9.84178	9.7137	1.09284
7	hcs053a08	79027	ZNF655	0.829202	-0.245147	9.79418	9.83751	-1.03049
1	hcs053b02	51637	C14orf166	0.135192	2.4358	10.9142	11.2741	0.779236
3	hcs053b02	51637	C14orf166	0.940892	-0.0837379	11.1377	11.1741	-1.0255
5	hcs053b02	51637	C14orf166	0.105945	2.82255	11.6945	11.0517	1.56143
7	hcs053b02	51637	C14orf166	0.807061	-0.278081	11.028	11.1466	-1.08573
1	hcs053b05	55082	ARGLU1	0.203138	1.86528	9.99079	10.4684	0.718166
3	hcs053b05	55082	ARGLU1	0.110646	-2.75084	10.3695	10.8181	-1.3647
5	hcs053b05	55082	ARGLU1	0.403756	1.05034	10.5395	10.2763	1.20015
7	hcs053b05	55082	ARGLU1	0.392576	-1.08138	10.1115	10.4265	-1.24402
5	hcs053b06	?	?	0.429121	-0.983328	10.1657	10.4399	-1.2093
1	hcs053b11	11252	PAC SIN2	0.247874	-1.61401	14.856	14.1454	1.63645
3	hcs053b11	11252	PAC SIN2	0.269105	1.51452	14.4835	13.6675	1.76044
5	hcs053b11	11252	PAC SIN2	0.174006	2.07234	14.9411	13.9511	1.98618
7	hcs053b11	11252	PAC SIN2	0.181911	2.01177	14.7165	13.9877	1.6573
3	hcs053b12	55740	ENAH	0.444908	-0.943771	9.15895	9.38732	-1.17151
5	hcs053b12	55740	ENAH	0.84823	0.217151	9.30385	9.26647	1.02625
7	hcs053b12	55740	ENAH	0.818773	-0.26061	9.15105	9.20777	-1.0401
1	hcs053c04	3119	HLA-DQB1	0.446212	0.940572	9.95291	10.0718	0.920913
3	hcs053c04	3119	HLA-DQB1	0.100901	-2.90469	9.92008	10.3239	-1.32305
5	hcs053c04	3119	HLA-DQB1	0.483182	0.85375	10.2275	9.86808	1.28289
7	hcs053c04	3119	HLA-DQB1	0.192034	-1.9392	9.88977	10.0947	-1.15264
3	hcs053c09	4026	LPP	0.0215139	-6.70723	9.96267	10.1331	-1.12543
5	hcs053c09	4026	LPP	0.624996	-0.572085	9.93613	10.0305	-1.0676
3	hcs053c12	?	?	0.855565	-0.206427	9.33312	9.40136	-1.04844
5	hcs053c12	?	?	0.7601	0.349475	9.30638	9.22364	1.05903
1	hcs053d02	51495	PTPLAD1	0.409605	1.03448	10.4941	10.6679	0.886525
3	hcs053d02	51495	PTPLAD1	0.829874	-0.244154	10.5025	10.6101	-1.07743
5	hcs053d02	51495	PTPLAD1	0.0260154	6.07827	11.105	10.7459	1.2826
7	hcs053d02	51495	PTPLAD1	0.493029	0.831782	10.6512	10.4545	1.14609
1	hcs053d03	7043	TGFB3	0.265949	-1.52866	10.0395	9.44565	1.50927
3	hcs053d03	7043	TGFB3	0.0740465	-3.4676	9.76277	10.2039	-1.35771
5	hcs053d03	7043	TGFB3	0.827387	0.247832	10.0019	9.95328	1.03428
7	hcs053d03	7043	TGFB3	0.382352	-1.11066	9.54592	9.99638	-1.36648
1	hcs053d06	546	ATRX	0.0805129	3.30777	9.92267	10.347	0.745185
3	hcs053d06	546	ATRX	0.420369	-1.00594	10.3908	10.5446	-1.1125
5	hcs053d06	546	ATRX	0.231262	1.69984	10.4129	10.0303	1.30373
7	hcs053d06	546	ATRX	0.785657	-0.31034	10.2093	10.2536	-1.03115
1	hcs053d08	51382	ATP6V1D	0.429576	0.982164	10.1831	10.5757	0.761756
3	hcs053d08	51382	ATP6V1D	0.898548	0.144218	10.6105	10.5289	1.05825
5	hcs053d08	51382	ATP6V1D	0.0741586	3.46466	11.2666	10.5947	1.59313
7	hcs053d08	51382	ATP6V1D	0.607362	0.603759	10.6199	10.3412	1.21308
1	hcs053d09	23180	RFTN1	0.774711	-0.327014	9.54972	9.40488	1.10561
3	hcs053d09	23180	RFTN1	0.1691	-2.11183	9.56602	10.0604	-1.40868
5	hcs053d09	23180	RFTN1	0.612265	0.594878	9.72366	9.50472	1.16388

7	hcs053d09	23180	RFTN1	0.0668695	-3.67039	9.3155	9.72398	-1.32729
1	hcs053d12	5813	PURA	0.10866	2.78061	9.56182	9.70417	0.906042
3	hcs053d12	5813	PURA	0.830335	-0.243472	9.88737	9.97986	-1.0662
5	hcs053d12	5813	PURA	0.612593	0.594284	9.81997	9.74863	1.0507
7	hcs053d12	5813	PURA	0.945332	0.0774283	9.46194	9.44004	1.01529
1	hcs053e03			0.149761	2.28424	9.72575	9.89433	0.889716
3	hcs053e03			0.456825	-0.914897	10.1255	10.2613	-1.09872
5	hcs053e03			0.284691	-1.44761	9.95037	10.0185	-1.04836
7	hcs053e03			0.490537	-0.837298	9.50079	9.54686	-1.03245
1	hcs053e05	2932	GSK3B	0.453223	0.92354	9.7456	9.83761	0.938217
3	hcs053e05	2932	GSK3B	0.415541	-1.01864	9.9175	10.0677	-1.10975
5	hcs053e05	2932	GSK3B	0.460938	0.905116	9.97731	9.7101	1.20348
7	hcs053e05	2932	GSK3B	0.0381821	-4.96991	9.60253	9.62782	-1.01768
5	hcs053e06	57616	TSHZ3	0.606407	-0.605497	9.81658	9.90591	-1.06388
1	hcs053e07	7008	TEF	0.751577	0.362693	9.2384	9.42501	0.878668
5	hcs053e07	7008	TEF	0.51993	0.773938	9.6938	9.30209	1.31195
7	hcs053e07	7008	TEF	0.807882	-0.276852	9.35385	9.40596	-1.03678
1	hcs053e09			0.231852	1.69666	9.39629	9.65618	0.835151
3	hcs053e09			0.162005	-2.1718	9.609	9.95244	-1.26878
5	hcs053e09			0.34333	1.23137	9.67749	9.48545	1.14238
7	hcs053e09			0.464021	-0.897846	9.49842	9.57514	-1.05462
1	hcs053e10	7283	TUBG1	0.710061	-0.428439	10.4769	10.4053	1.05091
3	hcs053e10	7283	TUBG1	0.643787	-0.539125	10.2879	10.426	-1.10042
5	hcs053e10	7283	TUBG1	0.763039	0.344938	10.4719	10.4446	1.01916
7	hcs053e10	7283	TUBG1	0.640817	0.544283	10.3741	10.2468	1.09218
1	hcs053e11			0.41244	1.02689	10.1024	10.3151	0.862913
3	hcs053e11			0.158803	-2.20005	10.1101	10.5905	-1.39519
5	hcs053e11			0.517184	-0.779705	10.13	10.1647	-1.02432
7	hcs053e11			0.0624682	-3.81107	10.1117	10.131	-1.01343
1	hcs053f01	857	CAV1	0.420738	1.00498	10.5265	10.5757	0.966495
3	hcs053f01	857	CAV1	0.664751	0.503236	10.768	10.6819	1.0615
5	hcs053f01	857	CAV1	0.726585	0.401984	10.7133	10.5843	1.09354
7	hcs053f01	857	CAV1	0.170994	-2.0964	10.1138	10.4998	-1.30677
1	hcs053f02	22837	COBLL1	0.0566239	4.02181	9.53388	10.1928	0.633342
3	hcs053f02	22837	COBLL1	0.188376	-1.96482	9.84258	10.5498	-1.63261
5	hcs053f02	22837	COBLL1	0.488995	0.840726	10.2429	10.1094	1.09691
7	hcs053f02	22837	COBLL1	0.322558	-1.30244	9.8336	10.2118	-1.29969
5	hcs053f03	?	?	0.289993	1.42589	11.6183	11.3318	1.21968
3	hcs053f04	339829	CCDC39	0.708221	-0.431411	9.89216	9.99062	-1.07063
5	hcs053f04	339829	CCDC39	0.331261	-1.27202	10.0311	10.1941	-1.11958
1	hcs053f05	?	?	0.309812	-1.34886	9.86917	9.68673	1.1348
3	hcs053f05	?	?	0.822585	-0.254947	10.3562	10.3865	-1.02121
5	hcs053f05	?	?	0.54875	0.715111	9.97933	9.86225	1.08454
7	hcs053f05	?	?	0.621558	-0.578202	9.24837	9.34708	-1.07082
3	hcs053f06	8725	C19orf2	0.102683	-2.87502	9.74125	10.1148	-1.29553
5	hcs053f06	8725	C19orf2	0.485777	0.847917	9.90896	9.72986	1.13218
7	hcs053f06	8725	C19orf2	0.368668	-1.15129	9.4642	9.85114	-1.30761

1	hcs053f07	10750	GRAP	0.247296	-1.61687	9.95456	9.49265	1.37736
3	hcs053f07	10750	GRAP	0.75438	-0.358337	9.6022	9.75483	-1.1116
5	hcs053f07	10750	GRAP	0.125766	-2.54654	9.51061	9.62725	-1.08421
7	hcs053f07	10750	GRAP	0.323843	-1.29789	9.15082	9.71045	-1.47389
5	hcs053f08	?	?	0.297954	-1.39418	8.78551	9.0677	-1.21604
1	hcs053f09	472	ATM	0.831686	0.241477	9.63812	9.69611	0.960604
3	hcs053f09	472	ATM	0.996498	-0.0049532	9.98991	9.99049	-1.0004
5	hcs053f09	472	ATM	0.78211	0.315729	9.55415	9.49517	1.04173
1	hcs053f10	5980	REV3L	0.443503	0.947229	9.54234	9.80949	0.830958
3	hcs053f10	5980	REV3L	0.438554	-0.959506	9.98707	10.4636	-1.39136
5	hcs053f10	5980	REV3L	0.0781626	3.36366	10.1896	9.90444	1.21857
7	hcs053f10	5980	REV3L	0.935673	0.0911608	9.63753	9.59713	1.0284
1	hcs053f11	79783	C7orf10	0.705001	-0.436622	9.50263	9.39969	1.07396
5	hcs053f11	79783	C7orf10	0.844713	0.222306	9.06646	9.03179	1.02432
1	hcs053f12	6192	RPS4Y1	0.97584	0.0341769	11.8842	11.8899	0.996057
3	hcs053f12	6192	RPS4Y1	0.398769	-1.06407	11.6492	11.7986	-1.10916
5	hcs053f12	6192	RPS4Y1	0.0277926	-5.87264	11.8739	12.1488	-1.20985
7	hcs053f12	6192	RPS4Y1	0.409121	-1.03578	10.9958	11.3313	-1.26187
1	hcs053g01	?	?	0.620951	0.579285	9.6611	9.74133	0.945907
3	hcs053g01	?	?	0.122831	-2.58341	9.65081	10.1318	-1.39568
5	hcs053g01	?	?	0.590984	0.633883	9.83686	9.59516	1.18239
7	hcs053g01	?	?	0.474829	0.872747	9.74902	9.67446	1.05304
1	hcs053g09	221472	FGD2	0.0750003	3.44278	9.52941	9.83074	0.811504
3	hcs053g09	221472	FGD2	0.178712	-2.03584	9.81237	10.3817	-1.48383
5	hcs053g09	221472	FGD2	0.19773	1.90059	9.96916	9.52385	1.36161
7	hcs053g09	221472	FGD2	0.751404	0.362961	9.86731	9.76251	1.07534
1	hcs053g11	?	?	0.504757	-0.806188	9.40806	9.29835	1.07901
3	hcs053g11	?	?	0.311179	-1.34377	9.73491	9.89698	-1.11889
5	hcs053g11	?	?	0.27176	-1.50278	9.26691	9.3851	-1.08537
1	hcs053g12	1965	EIF2S1	0.36712	-1.15599	10.1589	9.99923	1.11703
3	hcs053g12	1965	EIF2S1	0.729345	-0.397604	10.3209	10.4066	-1.06122
5	hcs053g12	1965	EIF2S1	0.629165	0.564704	10.1711	10.0143	1.11485
7	hcs053g12	1965	EIF2S1	0.238107	-1.66354	9.58625	9.85731	-1.20669
1	hcs053h01	10075	HUWE1	0.998039	-0.0027728	11.1509	11.1504	1.00037
3	hcs053h01	10075	HUWE1	0.445045	0.943434	11.0998	10.9495	1.1098
5	hcs053h01	10075	HUWE1	0.068969	3.60792	11.5507	11.081	1.38485
7	hcs053h01	10075	HUWE1	0.463412	0.899276	11.1909	10.9247	1.20264
1	hcs053h02	?	?	0.199017	-1.89208	9.80681	9.40705	1.31929
3	hcs053h02	?	?	0.18936	-1.95787	9.27433	10.1139	-1.78946
5	hcs053h02	?	?	0.497714	-0.821484	9.41077	9.51753	-1.07681
7	hcs053h02	?	?	0.408494	-1.03747	9.12994	9.62309	-1.40751
5	hcs053h03	4781	NFIB	0.540672	-0.731298	8.99973	9.13462	-1.098
1	hcs053h04	27044	SND1	0.0743597	3.4594	10.8945	11.5915	0.616839
3	hcs053h04	27044	SND1	0.774266	0.327694	11.3822	11.2914	1.06494
5	hcs053h04	27044	SND1	0.277222	1.47908	11.8757	11.2182	1.57735
7	hcs053h04	27044	SND1	0.392181	1.0825	11.5296	11.2654	1.201
1	hcs053h06	?	?	0.611083	-0.597013	9.77469	9.50194	1.20811

3	hcs053h06	?	?	0.181045	-2.01823	9.88464	10.3829	-1.41248
5	hcs053h06	?	?	0.356691	1.18831	10.0416	9.68206	1.28299
7	hcs053h06	?	?	0.298893	-1.39052	9.58666	9.86744	-1.21485
1	hcs053h08	?	?	0.207255	-1.83923	10.0431	9.52853	1.42857
3	hcs053h08	?	?	0.191206	-1.94495	9.79806	10.3257	-1.4416
5	hcs053h08	?	?	0.459181	0.909282	9.96563	9.57159	1.31407
7	hcs053h08	?	?	0.403441	-1.0512	9.71974	9.8777	-1.11571
1	hcs053h09	1729	DIAPH1	0.651968	0.525014	10.4822	10.6332	0.900647
3	hcs053h09	1729	DIAPH1	0.959363	0.0575164	10.4513	10.4152	1.0253
5	hcs053h09	1729	DIAPH1	0.0535918	4.14407	10.8657	10.5005	1.28805
7	hcs053h09	1729	DIAPH1	0.313235	1.33617	10.5861	10.2883	1.2293
5	hcs054a08	?	?	0.51058	-0.793699	9.92999	9.97115	-1.02894
1	hcs054a10	51108	METTL9	0.38768	-1.09529	10.191	10.0584	1.09628
3	hcs054a10	51108	METTL9	0.889598	0.157093	9.99655	9.93461	1.04387
5	hcs054a10	51108	METTL9	0.0259962	6.0806	9.89792	9.5532	1.2699
1	hcs054a12	1841	DTYMK	0.344622	-1.22712	9.66212	9.35556	1.23675
3	hcs054a12	1841	DTYMK	0.721928	-0.4094	9.62756	9.80599	-1.13165
5	hcs054a12	1841	DTYMK	0.818694	-0.260726	9.42347	9.4567	-1.0233
1	hcs054b02			0.76173	-0.346957	9.84356	9.73452	1.07851
3	hcs054b02			0.806496	0.278928	10.1266	10.0672	1.04198
5	hcs054b02			0.955282	-0.063304	9.98292	10.0027	-1.01382
7	hcs054b02			0.293022	-1.4137	9.49467	9.84354	-1.27356
3	hcs054b03	?	?	0.485174	-0.84927	10.2259	10.4574	-1.17408
5	hcs054b03	?	?	0.353926	-1.19706	10.0989	10.5882	-1.4038
1	hcs054b04	1819	DRG2	0.174982	-2.06466	10.2455	9.56268	1.60528
3	hcs054b04	1819	DRG2	0.162052	-2.17139	9.99178	10.4858	-1.40836
5	hcs054b04	1819	DRG2	0.309993	1.34818	10.2551	10.0799	1.12913
7	hcs054b04	1819	DRG2	0.481766	-0.856946	9.77382	10.1699	-1.3159
1	hcs054b05	220972	MARCH8	0.328923	-1.28009	10.0742	10.019	1.03901
3	hcs054b05	220972	MARCH8	0.621437	0.578417	10.4312	10.3937	1.02636
5	hcs054b05	220972	MARCH8	0.135631	2.43091	10.3073	9.96623	1.26672
7	hcs054b05	220972	MARCH8	0.697895	-0.448183	9.83136	9.95057	-1.08613
3	hcs054b06	23301	EHBP1	0.315626	1.3274	10.8859	10.5568	1.25624
5	hcs054b06	23301	EHBP1	0.986923	-0.018495	10.5801	10.5819	-1.00126
5	hcs054b07	?	?	0.850631	0.213636	9.75097	9.72173	1.02048
7	hcs054b07	?	?	0.45982	-0.907766	9.44579	9.70904	-1.20018
1	hcs054c03			0.445797	0.941589	9.47373	9.69222	0.859465
3	hcs054c03			0.0635889	-3.77391	9.37982	9.94412	-1.47867
5	hcs054c03			0.831336	0.241994	9.55899	9.46759	1.06541
7	hcs054c03			0.149247	-2.28925	9.44982	9.63297	-1.13536
1	hcs054c04	3949	LDLR	0.523601	-0.766274	9.90066	9.6822	1.16349
3	hcs054c04	3949	LDLR	0.0441987	4.59743	10.6085	10.16	1.36459
5	hcs054c04	3949	LDLR	0.461352	0.904136	10.5153	10.2178	1.22898
7	hcs054c04	3949	LDLR	0.0457896	4.51118	9.89269	9.38373	1.42303
1	hcs054c07	8727	CTNNAL1	0.531205	0.750562	9.96614	10.0968	0.913392
3	hcs054c07	8727	CTNNAL1	0.402215	-1.05456	10.5003	10.6151	-1.08282
5	hcs054c07	8727	CTNNAL1	0.0561876	4.03881	10.371	10.1995	1.12618

7	hcs054c07	8727	CTNNAL1	0.326917	-1.28708	9.53808	9.91377	-1.29746
1	hcs054d04	27347	STK39	0.950626	-0.0699113	10.0974	10.0522	1.03185
3	hcs054d04	27347	STK39	0.155184	-2.23294	10.1543	10.6261	-1.38688
5	hcs054d04	27347	STK39	0.858057	0.202791	10.4812	10.4427	1.02705
7	hcs054d04	27347	STK39	0.529281	-0.754516	10.0777	10.3356	-1.19576
1	hcs054d06	26022	TMEM98	0.138575	-2.39865	10.5684	10.2354	1.25959
3	hcs054d06	26022	TMEM98	0.0208089	6.82361	11.359	10.6229	1.66564
5	hcs054d06	26022	TMEM98	0.0017031	24.2005	11.0091	10.5633	1.36211
7	hcs054d06	26022	TMEM98	0.0749601	3.44382	10.4672	9.91344	1.46788
5	hcs054d11	4703	NEB	0.546874	0.718851	9.4277	9.26095	1.12253
7	hcs054d11	4703	NEB	0.119452	2.62742	9.47231	9.32963	1.10395
1	hcs054e01	11083	DIDO1	0.852558	0.210818	9.70342	9.75238	0.966631
3	hcs054e01	11083	DIDO1	0.120133	-2.61841	9.66171	10.1219	-1.37573
5	hcs054e01	11083	DIDO1	0.520249	0.773269	9.88787	9.58711	1.23179
7	hcs054e01	11083	DIDO1	0.461163	0.904585	9.68182	9.5721	1.07902
1	hcs054e02	4929	NR4A2	0.223912	1.74042	9.79841	10.1836	0.765666
3	hcs054e02	4929	NR4A2	0.0763602	-3.40818	9.83618	10.5366	-1.62497
5	hcs054e02	4929	NR4A2	0.572054	0.669621	10.1049	9.85811	1.18659
7	hcs054e02	4929	NR4A2	0.146299	-2.31836	9.79845	10.0372	-1.17998
1	hcs054e03	7414	VCL	0.739269	0.38194	10.3372	10.4369	0.933234
3	hcs054e03	7414	VCL	0.667278	0.498968	11.0169	10.8386	1.13152
5	hcs054e03	7414	VCL	0.0101394	9.85535	11.1327	10.4349	1.6221
7	hcs054e03	7414	VCL	0.236645	-1.67118	10.168	10.3309	-1.11954
1	hcs054e04	6723	SRM	0.427764	0.9868	10.2525	10.2618	0.993588
3	hcs054e04	6723	SRM	0.583646	-0.647615	10.322	10.4538	-1.09563
5	hcs054e04	6723	SRM	0.0197071	7.0177	10.4981	10.2581	1.18102
7	hcs054e04	6723	SRM	0.874598	-0.178757	10.0279	10.0697	-1.02938
1	hcs054e05	55852	TEX2	0.273272	1.49616	10.2698	10.4479	0.883887
3	hcs054e05	55852	TEX2	0.269985	-1.51061	10.4727	10.8164	-1.26898
5	hcs054e05	55852	TEX2	0.0839583	3.22995	10.9205	10.1346	1.72412
7	hcs054e05	55852	TEX2	0.347155	1.21884	10.7374	10.2627	1.38963
1	hcs054e08	81611	ANP32E	0.795434	-0.29555	10.0752	10.0264	1.03439
3	hcs054e08	81611	ANP32E	0.318174	-1.31815	10.0225	10.5155	-1.40733
5	hcs054e08	81611	ANP32E	0.588709	0.638125	10.2505	10.0525	1.14714
7	hcs054e08	81611	ANP32E	0.407032	-1.04143	9.6332	9.87799	-1.18492
5	hcs054e10	8622	PDE8B	0.527301	-0.758601	9.56124	9.611	-1.03509
1	hcs054f01	79083	MLPH	0.193619	1.92831	9.69885	9.98124	0.822228
3	hcs054f01	79083	MLPH	0.123877	-2.57012	9.79407	10.2914	-1.41163
5	hcs054f01	79083	MLPH	0.501193	0.813903	10.0574	9.65973	1.31735
7	hcs054f01	79083	MLPH	0.674884	0.486196	9.8779	9.85484	1.01611
3	hcs054f03	?	?	0.971926	0.0397186	9.89472	9.88772	1.00487
5	hcs054f03	?	?	0.381071	1.11439	9.73507	9.29854	1.35335
7	hcs054f03	?	?	0.584809	-0.64543	9.38373	9.64207	-1.1961
1	hcs054f05	283755	HERC2P3	0.213956	-1.79827	10.5131	9.27584	2.3575
3	hcs054f05	283755	HERC2P3	0.073064	-3.49365	9.99819	10.3175	-1.24775
5	hcs054f05	283755	HERC2P3	0.367872	1.15371	10.1356	10.0095	1.09133
7	hcs054f05	283755	HERC2P3	0.585333	-0.644445	9.76467	10.0612	-1.22821

1	hcs054f09			0.223147	1.74475	10.1396	10.4493	0.806828
3	hcs054f09			0.563364	-0.686384	10.2431	10.4515	-1.15539
5	hcs054f09			0.270763	1.50717	10.5155	10.1613	1.27829
7	hcs054f09			0.502283	0.811536	10.4861	10.3457	1.10218
1	hcs054g02	7851	MALL	0.604064	-0.609769	9.50052	9.19318	1.23742
3	hcs054g02	7851	MALL	0.154635	-2.23802	9.41701	9.70223	-1.2186
5	hcs054g02	7851	MALL	0.184915	-1.98968	9.23812	9.50092	-1.19981
7	hcs054g02	7851	MALL	0.509938	-0.79507	9.38568	9.51418	-1.09316
1	hcs054g03	8153	RND2	0.686306	-0.467213	9.96131	9.69277	1.20459
3	hcs054g03	8153	RND2	0.182748	-2.00557	9.556	10.0032	-1.36343
5	hcs054g03	8153	RND2	0.727042	0.401258	9.97852	9.92327	1.03903
7	hcs054g03	8153	RND2	0.749963	-0.365206	9.62054	9.70276	-1.05865
1	hcs054g05	?	?	0.287239	1.43711	9.70016	9.92939	0.853092
3	hcs054g05	?	?	0.117606	-2.65221	9.75233	10.2548	-1.41667
5	hcs054g05	?	?	0.736355	-0.386526	9.9812	10.0286	-1.03337
7	hcs054g05	?	?	0.431695	-0.976771	9.72331	9.9273	-1.15188
1	hcs054g06	?	?	0.28952	-1.42781	9.73438	9.08099	1.57286
5	hcs054g06	?	?	0.619469	0.581932	9.60353	9.35967	1.18416
7	hcs054g06	?	?	0.282407	-1.45712	9.14002	9.49802	-1.28165
1	hcs054g08	647135	SRGAP2P2	0.566436	0.680432	9.27276	9.43624	0.892869
3	hcs054g08	647135	SRGAP2P2	0.216844	-1.78113	9.41806	9.93327	-1.42921
7	hcs054g08	647135	SRGAP2P2	0.0365264	-5.08791	9.26438	9.57196	-1.23763
1	hcs054g10	3131	HLF	0.873003	0.181068	9.75078	9.79096	0.972531
3	hcs054g10	3131	HLF	0.131538	-2.47741	9.80862	10.3092	-1.41476
5	hcs054g10	3131	HLF	0.694968	0.452968	9.8863	9.8488	1.02633
7	hcs054g10	3131	HLF	0.549137	0.714343	9.99434	9.89064	1.07453
1	hcs054h02	57134	MAN1C1	0.590945	-0.633956	9.85205	9.80596	1.03246
3	hcs054h02	57134	MAN1C1	0.163977	-2.15478	9.80384	10.2548	-1.36692
5	hcs054h02	57134	MAN1C1	0.520623	0.772486	10.1903	10.1124	1.05548
7	hcs054h02	57134	MAN1C1	0.458839	-0.910097	9.7529	10.0991	-1.27118
1	hcs054h04	10175	CNIH	0.236095	1.67407	10.6013	10.882	0.823211
3	hcs054h04	10175	CNIH	0.686788	0.466416	10.8825	10.6991	1.13561
5	hcs054h04	10175	CNIH	0.371699	1.14214	11.3065	10.9115	1.31497
7	hcs054h04	10175	CNIH	0.7179	0.415839	10.7967	10.6922	1.07507
1	hcs054h05	23635	SSBP2	0.300957	1.3825	9.8605	10.1219	0.834297
3	hcs054h05	23635	SSBP2	0.1929	-1.93323	10.2833	10.533	-1.18893
5	hcs054h05	23635	SSBP2	0.441535	0.952094	10.3837	10.1392	1.18469
7	hcs054h05	23635	SSBP2	0.634097	-0.556024	10.0116	10.043	-1.02202
5	hcs054h06	23116	FAM179B	0.46041	0.906366	9.14141	8.82971	1.24117
7	hcs054h06	23116	FAM179B	0.290553	-1.42362	8.94309	9.39704	-1.36979
1	hcs054h08	2956	MSH6	0.995063	-0.0069813	9.74098	9.73628	1.00326
3	hcs054h08	2956	MSH6	0.505032	-0.805596	10.0937	10.4079	-1.24332
5	hcs054h08	2956	MSH6	0.352333	1.20214	10.1424	10.0086	1.09713
7	hcs054h08	2956	MSH6	0.806019	0.279643	9.77907	9.6822	1.06945
1	hcs054h09	84795	PYROXD2	0.343336	-1.23135	9.97763	9.65822	1.24782
3	hcs054h09	84795	PYROXD2	0.16599	-2.13769	9.78189	10.3608	-1.49372
5	hcs054h09	84795	PYROXD2	0.435443	0.9673	10.096	9.59962	1.41071



7	hcs054h09	84795	PYROXD2	0.163944	2.15506	9.90278	9.81097	1.06571
1	hcs054h12	29090	C18orf55	0.618679	-0.583346	9.97133	9.87643	1.06799
3	hcs054h12	29090	C18orf55	0.451764	-0.927061	9.72516	10.0729	-1.27256
5	hcs054h12	29090	C18orf55	0.933647	-0.094044	9.91168	9.91918	-1.00521
7	hcs054h12	29090	C18orf55	0.386812	-1.09778	9.53349	9.66074	-1.09221
3	hcs055a03	?	?	0.366974	1.15644	10.0696	9.85592	1.15963
1	hcs055a07	3714	JAG2	0.374604	-1.13345	9.812	9.60748	1.15231
3	hcs055a07	3714	JAG2	0.960047	-0.0565477	9.99431	10.0031	-1.00611
5	hcs055a07	3714	JAG2	0.60721	0.604036	9.64011	9.49324	1.10716
7	hcs055a07	3714	JAG2	0.558182	-0.696491	9.40763	9.53301	-1.0908
5	hcs055a09	51	ACOX1	0.0795829	3.3296	10.1709	9.76167	1.32801
1	hcs055a10	22803	XRN2	0.486837	-0.845544	9.91597	9.70866	1.15454
3	hcs055a10	22803	XRN2	0.865402	0.192098	9.98419	9.94009	1.03104
5	hcs055a10	22803	XRN2	0.41146	1.02951	9.89396	9.75187	1.10351
1	hcs055a12	11094	C9orf7	0.0658557	-3.70159	10.2909	9.98659	1.23483
3	hcs055a12	11094	C9orf7	0.420509	-1.00558	10.0021	10.295	-1.22512
5	hcs055a12	11094	C9orf7	0.828498	-0.246189	10.1016	10.1379	-1.0255
7	hcs055a12	11094	C9orf7	0.224726	-1.73584	9.6714	9.86328	-1.14225
3	hcs055b03	9747	FAM115A	0.0930349	-3.04517	9.37957	9.81179	-1.34931
1	hcs055b07	1942	EFNA1	0.191001	-1.94637	9.57121	9.32591	1.18534
5	hcs055b07	1942	EFNA1	0.871978	-0.182552	8.95723	8.96693	-1.00674
5	hcs055b08	8301	PICALM	0.781212	-0.317096	8.97094	9.03134	-1.04276
5	hcs055b10	4905	NSF	0.529609	0.753842	9.38031	9.35072	1.02072
1	hcs055b11	51491	NOP16	0.298495	-1.39207	9.8248	9.5211	1.23431
3	hcs055b11	51491	NOP16	0.226003	-1.7287	9.62873	9.80344	-1.12874
5	hcs055b11	51491	NOP16	0.552552	0.70757	9.73301	9.56044	1.12706
1	hcs055c04	55860	ACTR10	0.131973	-2.47238	10.1826	9.99167	1.1415
3	hcs055c04	55860	ACTR10	0.0182088	7.30911	11.4645	11.0534	1.32963
5	hcs055c04	55860	ACTR10	0.567191	-0.678972	10.6313	10.9443	-1.24224
3	hcs055c05	6526	SLC5A3	0.2067	1.84271	10.8002	10.5629	1.17879
5	hcs055c05	6526	SLC5A3	0.579603	-0.655247	10.1081	10.3291	-1.16558
3	hcs055c06	?	?	0.454607	0.92021	10.472	10.3956	1.05435
5	hcs055c11			0.572071	-0.669589	9.5015	9.63549	-1.09732
1	hcs055d03	2318	FLNC	0.0746082	3.45293	10.6729	11.0996	0.743979
3	hcs055d03	2318	FLNC	0.169112	-2.11174	10.9728	11.4076	-1.35169
5	hcs055d03	2318	FLNC	0.104781	-2.84102	10.6382	11.0687	-1.34773
7	hcs055d03	2318	FLNC	0.0101766	-9.83705	10.1344	10.7868	-1.57182
1	hcs055d04	6938	TCF12	0.217766	1.77572	9.39099	9.76028	0.774165
3	hcs055d04	6938	TCF12	0.829475	0.244744	9.92461	9.85585	1.04882
5	hcs055d04	6938	TCF12	0.152891	-2.25433	9.29973	9.66073	-1.28431
7	hcs055d04	6938	TCF12	0.114405	2.69653	9.42138	9.28744	1.09728
1	hcs055d06	7812	CSDE1	0.410263	1.03271	10.7177	11.0198	0.811052
3	hcs055d06	7812	CSDE1	0.775901	-0.325194	11.2242	11.2678	-1.03066
5	hcs055d06	7812	CSDE1	0.0319075	5.4634	11.3571	11.1014	1.19391
7	hcs055d06	7812	CSDE1	0.539729	-0.733203	10.6379	10.9213	-1.21706
1	hcs055d10	55700	MAP7D1	0.0442554	-4.59428	9.80932	9.49424	1.24408
3	hcs055d10	55700	MAP7D1	0.612664	0.594156	9.61688	9.49074	1.09137

5	hcs055d10	55700	MAP7D1	0.323004	1.30086	9.79418	9.46685	1.25469
7	hcs055d10	55700	MAP7D1	0.389937	1.08886	9.53237	9.42641	1.07621
1	hcs055d11	25924	MYRIP	0.280261	-1.46615	9.76181	9.53714	1.16851
5	hcs055d11	25924	MYRIP	0.223789	-1.74112	9.12123	9.25749	-1.09905
5	hcs055e02	?	?	0.932859	-0.0951671	10.0628	10.0773	-1.01012
5	hcs055e04			0.908247	0.130308	10.354	10.3391	1.01041
3	hcs055e05	?	?	0.884958	0.163781	10.8138	10.7666	1.03327
5	hcs055e05	?	?	0.163887	-2.15555	10.3587	10.6521	-1.22551
1	hcs055f04	50813	COPS7A	0.0997477	2.9243	9.62297	9.86774	0.843952
3	hcs055f04	50813	COPS7A	0.321887	-1.30483	10.2858	10.4547	-1.1242
5	hcs055f04	50813	COPS7A	0.0330448	-5.3638	9.50302	9.61989	-1.08438
7	hcs055f04	50813	COPS7A	0.475946	0.870185	9.59406	9.49023	1.07462
1	hcs055f11			0.159281	-2.19579	9.67527	9.16896	1.42041
5	hcs055f11			0.928364	-0.10157	8.82068	8.8489	-1.01976
1	hcs055g03	8301	PICALM	0.177233	2.04717	10.2463	10.6596	0.750923
3	hcs055g03	8301	PICALM	0.792762	0.299583	10.7836	10.7196	1.04536
5	hcs055g03	8301	PICALM	0.644909	0.537182	10.5114	10.3656	1.10632
1	hcs055g04	10602	CDC42EP3	0.541744	0.729138	9.42224	9.60559	0.880653
3	hcs055g04	10602	CDC42EP3	0.91318	-0.123247	9.85062	9.8853	-1.02433
5	hcs055g04	10602	CDC42EP3	0.485583	-0.848352	9.90263	10.0956	-1.14314
1	hcs055g07	28964	GIT1	0.197044	-1.90516	10.2463	10.0511	1.14487
3	hcs055g07	28964	GIT1	0.680609	0.476653	10.4032	10.2896	1.08186
5	hcs055g07	28964	GIT1	0.291459	1.41997	10.1976	10.0974	1.07194
7	hcs055g07	28964	GIT1	0.654808	0.520147	9.74076	9.72543	1.01068
3	hcs055g09	25820	ARIH1	0.925423	-0.105762	10.2901	10.3117	-1.01512
5	hcs055g09	25820	ARIH1	0.381005	-1.11459	9.72831	9.85701	-1.09331
5	hcs055g11	23042	PDXDC1	0.238706	-1.66043	9.24796	9.39095	-1.10419
5	hcs055g12	?	?	0.429839	0.981494	9.50256	9.46605	1.02563
3	hcs055h02	6433	SFSWAP	0.908194	0.130383	9.82523	9.8046	1.0144
5	hcs055h02	6433	SFSWAP	0.253926	-1.58457	9.6537	9.86592	-1.15847
1	hcs055h03	?	?	0.383	1.10878	9.86325	10.04	0.884696
1	hcs055h04			0.449012	0.933735	9.80108	9.93306	0.912576
3	hcs055h04			0.331887	-1.26986	10.4758	10.6698	-1.14387
5	hcs055h04			0.766192	0.340081	9.86685	9.81602	1.03586
7	hcs055h04			0.252383	1.59199	9.59954	9.46183	1.10016
1	hcs055h05	9987	HNRPD	0.937253	-0.0889129	9.9844	9.96421	1.0141
3	hcs055h05	9987	HNRPD	0.130327	-2.49156	10.578	10.7243	-1.1067
5	hcs055h05	9987	HNRPD	0.675201	-0.485667	10.6382	10.7252	-1.06217
1	hcs055h07	8842	PROM1	0.297064	-1.39767	12.8223	12.3686	1.36958
3	hcs055h07	8842	PROM1	0.233718	1.68666	12.9816	12.1847	1.73736
5	hcs055h07	8842	PROM1	0.150795	2.27426	13.0244	12.0613	1.94958
7	hcs055h07	8842	PROM1	0.0945682	3.01649	12.6753	11.8696	1.74791
1	hcs056a02	26254	OPTC	0.590534	0.634722	9.89462	10.0805	0.879084
3	hcs056a02	26254	OPTC	0.0378924	4.99001	10.8743	10.5262	1.27281
5	hcs056a02	26254	OPTC	0.688602	0.463425	10.208	10.1572	1.03581
3	hcs056a04	56998	CTNNBIP1	0.0889506	3.12497	10.1552	9.90653	1.18814
5	hcs056a04	56998	CTNNBIP1	0.152309	2.25982	10.4288	10.0028	1.34346

5	hcs056a05			0.753896	-0.359087	10.4203	10.6155	-1.1449
1	hcs056a10	?	?	0.164153	-2.15327	11.1448	10.6778	1.38224
3	hcs056a10	?	?	0.25685	1.57067	11.294	10.6499	1.56276
5	hcs056a10	?	?	0.1023	2.88134	11.7707	10.7733	1.99636
7	hcs056a10	?	?	0.156712	2.21893	11.2289	10.4228	1.7485
1	hcs056a12	5810	RAD1	0.122866	-2.58295	9.29679	9.10867	1.13928
3	hcs056a12	5810	RAD1	0.0168635	-7.60289	9.37801	9.74791	-1.29227
5	hcs056a12	5810	RAD1	0.279083	-1.47114	9.21368	9.40631	-1.14285
3	hcs056b02	10443	N4BP2L2	0.670956	-0.492779	9.47472	9.8034	-1.25586
5	hcs056b02	10443	N4BP2L2	0.500189	-0.816086	9.55364	9.97997	-1.34381
5	hcs056b04	92344	GORAB	0.497506	-0.821941	9.55871	10.2436	-1.60755
1	hcs056b05	23433	RHOQ	0.327856	1.28381	11.1796	11.7441	0.676174
3	hcs056b05	23433	RHOQ	0.319499	1.31338	11.4001	11.044	1.27993
5	hcs056b05	23433	RHOQ	0.0372322	5.03666	11.317	10.9531	1.2869
7	hcs056b05	23433	RHOQ	0.0088157	10.58	11.2889	10.7531	1.44981
1	hcs056b11	51596	CUTA	0.0924097	-3.05706	10.5492	10.2141	1.26144
3	hcs056b11	51596	CUTA	0.341972	1.23586	10.5251	10.0945	1.34781
5	hcs056b11	51596	CUTA	0.114595	2.69384	10.727	10.3182	1.32764
7	hcs056b11	51596	CUTA	0.283322	1.4533	10.1033	9.92354	1.13273
1	hcs056b12	23362	PSD3	0.76665	-0.339376	11.2248	11.1437	1.05785
3	hcs056b12	23362	PSD3	0.993065	0.0098082	11.0468	11.0451	1.00118
5	hcs056b12	23362	PSD3	0.805218	-0.280842	11.1613	11.2507	-1.0639
7	hcs056b12	23362	PSD3	0.239152	-1.65812	10.5424	10.9535	-1.32968
3	hcs056c03			0.989347	0.0150662	10.4201	10.4151	1.00349
5	hcs056c03			0.295584	-1.40351	10.3449	10.7678	-1.34062
7	hcs056c03			0.574732	0.664504	9.89463	9.68119	1.15945
1	hcs056c04	29959	NRBP1	0.121631	-2.59883	9.69634	9.37383	1.2505
3	hcs056c04	29959	NRBP1	0.0277269	5.87989	10.4793	10.104	1.29713
5	hcs056c04	29959	NRBP1	0.810205	0.27338	10.3984	10.3242	1.05277
1	hcs056c07	?	?	0.238509	-1.66145	10.3945	9.88814	1.42046
3	hcs056c07	?	?	0.855	0.207251	10.4635	10.3937	1.04963
5	hcs056c07	?	?	0.358552	-1.18246	10.1276	10.4512	-1.25147
1	hcs056d05	24	ABCA4	0.786617	0.308882	14.4792	14.5638	0.943068
5	hcs056d05	24	ABCA4	0.140795	2.37495	14.7181	14.2029	1.42913
7	hcs056d05	24	ABCA4	0.0310474	5.54227	14.4897	13.7118	1.71471
1	hcs056d12	5091	PC	0.989894	0.0142928	9.45319	9.45384	0.999547
3	hcs056d12	5091	PC	0.042664	-4.68507	9.36824	9.66882	-1.23164
5	hcs056d12	5091	PC	0.209116	-1.82768	9.20806	9.39293	-1.13671
7	hcs056d12	5091	PC	0.394386	-1.07629	9.35669	9.50717	-1.10993
1	hcs056e02	?	?	0.459143	-0.909374	10.0631	9.71809	1.27016
3	hcs056e04	54765	TRIM44	0.730272	0.396136	10.2876	10.2022	1.06093
5	hcs056e04	54765	TRIM44	0.596763	0.623174	9.72791	9.64344	1.0603
1	hcs056e05	9416	DDX23	0.387894	-1.09468	9.93819	9.59078	1.27227
3	hcs056e05	9416	DDX23	0.516558	0.781025	10.4786	10.2951	1.13568
5	hcs056e05	9416	DDX23	0.286992	1.43812	10.2817	10.1197	1.11883
1	hcs056e08	10550	ARL6IP5	0.451923	0.926676	9.87892	10.1153	0.848861
3	hcs056e08	10550	ARL6IP5	0.273144	1.49672	10.6136	10.2821	1.25827

5	hcs056e08	10550	ARL6IP5	0.571546	0.670594	10.3189	10.1419	1.13056
7	hcs056e08	10550	ARL6IP5	0.170891	-2.09723	9.52629	9.77484	-1.18801
1	hcs056e09	51426	POLK	0.501137	0.814023	12.0775	12.347	0.829626
3	hcs056e09	51426	POLK	0.85659	-0.20493	12.0495	12.1334	-1.0599
5	hcs056e09	51426	POLK	0.272499	1.49954	12.3044	11.8318	1.38761
7	hcs056e09	51426	POLK	0.0284458	5.80187	12.0675	11.558	1.42359
1	hcs056f02			0.219169	-1.76755	10.0944	9.78605	1.23829
3	hcs056f02			0.54071	-0.731222	10.051	10.2574	-1.15378
5	hcs056f02			0.342643	-1.23364	10.3649	10.7006	-1.26195
1	hcs056f05	2335	FN1	0.250325	1.60198	10.2348	10.8426	0.656197
3	hcs056f05	2335	FN1	0.0326568	-5.39721	9.95694	10.7489	-1.73139
5	hcs056f05	2335	FN1	0.169617	-2.1076	10.4606	10.8424	-1.30292
5	hcs056f12	?	?	0.112927	-2.71757	9.03692	9.16021	-1.08921
1	hcs056g01	?	?	0.708839	-0.430412	9.89964	9.70224	1.14663
5	hcs056g01	?	?	0.10932	-2.77063	9.93723	10.548	-1.5271
1	hcs056g03	9679	FAM53B	0.349837	1.21015	9.91207	10.2086	0.814233
3	hcs056g03	9679	FAM53B	0.38735	1.09624	10.6289	10.3959	1.17525
5	hcs056g03	9679	FAM53B	0.582595	-0.649594	10.4383	10.5629	-1.09021
7	hcs056g03	9679	FAM53B	0.222082	-1.7508	9.51736	10.047	-1.44358
5	hcs056g05	284996	RNF149	0.542953	-0.726705	10.7789	11.1945	-1.33386
5	hcs056g08	59339	PLEKHA2	0.351199	-1.20577	10.1046	10.4147	-1.23981
3	hcs056g09	64897	C12orf43	0.362151	1.17126	10.5521	10.3055	1.18642
1	hcs056h05			0.137801	2.40704	13.5481	13.7758	0.854015
3	hcs056h05			0.60662	0.605109	13.6515	13.4951	1.11453
5	hcs056h05			0.405484	1.04563	13.8915	13.7941	1.06987
7	hcs056h05			0.732545	-0.392539	13.3666	13.5135	-1.10716
5	hcs056h06	3745	KCNB1	0.101382	-2.89662	9.33275	9.36504	-1.02263
1	hcs057a01	1295	COL8A1	0.495456	0.826435	9.81206	10.1271	0.803829
3	hcs057a01	1295	COL8A1	0.655335	0.519246	10.1024	10.0192	1.05937
5	hcs057a01	1295	COL8A1	0.0277274	5.87983	10.7316	9.90603	1.77228
1	hcs057a02	9669	EIF5B	0.551573	-0.709508	11.5612	11.4883	1.0518
3	hcs057a02	9669	EIF5B	0.631486	0.560612	11.3569	11.2974	1.0421
5	hcs057a02	9669	EIF5B	0.395368	-1.07354	11.4118	11.5858	-1.12818
7	hcs057a02	9669	EIF5B	0.0478322	-4.40666	10.6497	11.0918	-1.35853
1	hcs057a05	?	?	0.816623	0.263808	10.2255	10.2495	0.983495
3	hcs057a05	?	?	0.359138	1.18063	10.6216	10.5026	1.08601
5	hcs057a05	?	?	0.30066	1.38365	10.2679	10.1201	1.10789
7	hcs057a05	?	?	0.780063	0.318844	9.80742	9.78382	1.01649
5	hcs057a07	5104	SERPINA5	0.527282	0.758639	9.9966	9.89596	1.07224
1	hcs057a09	5710	PSMD4	0.0738883	-3.47176	10.2083	10.0328	1.12933
3	hcs057a09	5710	PSMD4	0.0327978	5.385	10.2971	10.0028	1.22629
5	hcs057a09	5710	PSMD4	0.420741	1.00497	10.2818	10.075	1.15409
7	hcs057a09	5710	PSMD4	0.0286802	-5.77707	9.67164	9.78233	-1.07975
3	hcs057a11	55731	C17orf63	0.885023	-0.163687	10.0147	10.0431	-1.01989
5	hcs057a11	55731	C17orf63	0.444292	0.945285	9.47824	9.15862	1.248
1	hcs057a12	123096	SLC25A29	0.404487	-1.04834	9.42234	9.27197	1.10986
3	hcs057a12	123096	SLC25A29	0.481129	-0.858388	9.47319	9.53897	-1.04665

5	hcs057a12	123096	SLC25A29	0.649163	-0.529836	9.2605	9.30743	-1.03306
1	hcs057b01	?	?	0.990352	0.0136444	10.3526	10.3567	0.997153
3	hcs057b01	?	?	0.371432	1.14294	10.8257	10.5292	1.22816
5	hcs057b01	?	?	0.645471	-0.536209	10.793	10.8193	-1.01837
7	hcs057b01	?	?	0.353156	-1.19951	9.89589	10.2501	-1.27829
3	hcs057b03	?	?	0.804546	0.28185	10.9176	10.8721	1.03203
5	hcs057b03	?	?	0.351799	-1.20385	10.8118	11.3149	-1.41718
1	hcs057b05	1374	CPT1A	0.896933	0.146539	9.3714	9.43414	0.957444
3	hcs057b05	1374	CPT1A	0.958645	-0.0585344	10.1049	10.1217	-1.01173
5	hcs057b05	1374	CPT1A	0.0761079	-3.41453	9.98468	10.1856	-1.1494
3	hcs057b09	9527	GOSR1	0.978958	0.0297646	10.3851	10.3759	1.00636
5	hcs057b09	9527	GOSR1	0.899457	-0.142913	10.1531	10.2079	-1.03874
1	hcs057c04	54434	SSH1	0.550988	-0.710667	9.91686	9.76409	1.1117
5	hcs057c04	54434	SSH1	0.344313	-1.22813	9.94937	10.0909	-1.10308
1	hcs057c10	83483	PLVAP	0.0261875	6.05746	9.42418	10.0697	0.639255
3	hcs057c10	83483	PLVAP	0.404351	-1.04872	10.0371	10.328	-1.22344
5	hcs057c10	83483	PLVAP	0.235935	-1.67491	9.52428	10.0393	-1.42901
5	hcs057c12			0.494439	0.828672	9.53035	9.31387	1.16189
3	hcs057d01			0.463014	-0.900214	9.56416	9.6304	-1.04698
5	hcs057d01			0.816131	-0.26454	9.85038	9.94995	-1.07145
1	hcs057d02	?	?	0.735785	0.387424	9.54355	9.69174	0.902384
3	hcs057d02	?	?	0.705916	0.43514	10.2836	10.1726	1.07991
5	hcs057d02	?	?	0.243362	-1.63657	9.73508	10.25	-1.4289
5	hcs057d12	10054	UBA2	0.868017	-0.1883	9.40713	9.4342	-1.01894
5	hcs057e05	84893	FBXO18	0.389797	-1.08926	9.78533	10.2659	-1.39527
1	hcs057e08	51222	ZNF219	0.355122	-1.19327	9.54227	9.47509	1.04767
5	hcs057e08	51222	ZNF219	0.725917	0.403046	9.68669	9.57511	1.08041
1	hcs057e11	?	?	0.811852	-0.27092	10.9907	10.9562	1.0242
3	hcs057e11	?	?	0.299707	1.38734	11.0418	10.6892	1.27689
5	hcs057e11	?	?	0.173383	2.07727	11.1883	10.8422	1.27112
7	hcs057e11	?	?	0.961987	0.0537971	10.605	10.5888	1.01132
5	hcs057f04			0.602835	-0.612015	10.2865	10.6857	-1.31873
1	hcs057f08	6947	TCN1	0.562555	0.687955	9.85342	10.0812	0.853972
3	hcs057f08	6947	TCN1	0.673887	-0.487864	10.1576	10.3876	-1.17283
5	hcs057f08	6947	TCN1	0.0430526	-4.66245	9.76301	9.91184	-1.10867
1	hcs057g03	51704	GPRC5B	0.881831	-0.168296	10.5903	10.4922	1.07039
1	hcs057g08	23585	TMEM50A	0.462433	-0.901583	10.1859	10.108	1.05551
3	hcs057g08	23585	TMEM50A	0.953651	-0.0656177	10.2808	10.2933	-1.00868
5	hcs057g08	23585	TMEM50A	0.216147	1.78524	10.3341	10.0843	1.18899
7	hcs057g08	23585	TMEM50A	0.490447	0.837499	9.97277	9.74632	1.16995
1	hcs057g09	?	?	0.814066	-0.267618	9.68713	9.62274	1.04564
3	hcs057g09	?	?	0.844239	-0.223002	10.2501	10.2998	-1.03502
5	hcs057g09	?	?	0.871525	-0.18321	10.3998	10.448	-1.03401
1	hcs057g11			0.841865	-0.226487	9.55394	9.50034	1.03785
3	hcs057g11			0.145568	-2.32571	9.39838	9.67341	-1.21002
5	hcs057g11			0.860151	-0.199739	9.31345	9.33895	-1.01783
1	hcs057h05	5702	PSMC3	0.471348	-0.880764	10.5421	10.319	1.16724

3	hcs057h05	5702	PSMC3	0.0645576	3.74256	10.7919	10.5518	1.18112
5	hcs057h05	5702	PSMC3	0.0584495	3.9527	10.5774	10.2827	1.22666
7	hcs057h05	5702	PSMC3	0.786799	-0.308607	9.84877	9.8863	-1.02635
5	hcs058a03	?	?	0.552934	-0.706816	9.80111	10.0617	-1.198
5	hcs058a04	?	?	0.46074	-0.905586	9.70064	10.7042	-2.00489
3	hcs058a05	5286	PIK3C2A	0.942868	0.0809284	10.019	10.0054	1.00946
5	hcs058a05	5286	PIK3C2A	0.113349	-2.71153	10.0965	10.5795	-1.39765
1	hcs058a09	103	ADAR	0.449725	-0.932001	10.7563	10.6583	1.07026
3	hcs058a09	103	ADAR	0.243567	1.63554	11.0127	10.4888	1.43784
5	hcs058a09	103	ADAR	0.0584492	3.95271	11.1999	10.5802	1.53663
7	hcs058a09	103	ADAR	0.613028	0.593499	10.5931	10.4784	1.08275
1	hcs058a11	4698	NDUFA5	0.239629	-1.65565	9.65275	9.56324	1.06401
3	hcs058a11	4698	NDUFA5	0.0104699	9.69611	9.91434	9.64507	1.2052
5	hcs058a11	4698	NDUFA5	0.431895	-0.976263	9.4166	9.63148	-1.16061
1	hcs058a12	?	?	0.346489	-1.22101	9.20363	9.09256	1.08003
3	hcs058a12	?	?	0.251082	-1.5983	9.44455	9.65181	-1.15449
5	hcs058a12	?	?	0.376728	-1.12715	9.09848	9.391	-1.22478
1	hcs058b01			0.0946683	3.01464	9.6795	9.92851	0.841472
3	hcs058b01			0.168054	-2.12046	9.40051	10.6544	-2.38483
5	hcs058b01			0.893375	0.151656	9.76539	9.70076	1.04581
7	hcs058b01			0.12341	-2.57604	9.42127	9.99835	-1.49183
1	hcs058b02	7756	ZNF207	0.23176	1.69716	11.1619	11.2625	0.932624
3	hcs058b02	7756	ZNF207	0.580809	0.652966	11.2167	11.0204	1.1457
5	hcs058b02	7756	ZNF207	0.0003918	50.5001	11.693	11.1209	1.48665
7	hcs058b02	7756	ZNF207	0.757731	-0.353141	10.9345	11.0257	-1.06528
1	hcs058b03			0.335328	1.25812	9.6164	9.79298	0.884796
3	hcs058b03			0.0480383	-4.39648	9.95957	10.1909	-1.17393
5	hcs058b03			0.521518	0.770616	9.98058	9.79931	1.13388
7	hcs058b03			0.368292	-1.15243	9.33541	9.63941	-1.23457
1	hcs058b05	9689	BZW1	0.347095	1.21904	11.1648	11.3698	0.867539
3	hcs058b05	9689	BZW1	0.589658	-0.636354	11.1979	11.306	-1.07778
5	hcs058b05	9689	BZW1	0.298111	1.39357	11.6538	11.5103	1.10456
7	hcs058b05	9689	BZW1	0.22064	-1.75905	10.4306	11.1775	-1.67817
1	hcs058b06	25844	YIPF3	0.317384	1.32101	10.7533	11.1611	0.753754
3	hcs058b06	25844	YIPF3	0.374515	1.13372	11.4436	11.0496	1.31409
5	hcs058b06	25844	YIPF3	0.0164156	7.70855	11.7001	10.946	1.68666
7	hcs058b06	25844	YIPF3	0.0423365	4.70437	11.0765	10.7755	1.232
1	hcs058b07	?	?	0.228021	1.71753	9.92205	10.2017	0.823791
3	hcs058b07	?	?	0.188585	-1.96334	10.2516	10.4479	-1.14576
5	hcs058b07	?	?	0.429337	0.982774	10.2563	9.95137	1.23533
7	hcs058b07	?	?	0.498791	-0.819132	9.82213	9.8746	-1.03704
1	hcs058b11	171024	SYNPO2	0.213022	1.80387	9.52853	9.60517	0.948263
3	hcs058b11	171024	SYNPO2	0.353101	1.19969	10.261	10.0035	1.19539
5	hcs058b11	171024	SYNPO2	0.101965	-2.88689	9.68997	9.99466	-1.23515
1	hcs058b12	11275	KLHL2	0.812238	-0.270344	9.508	9.48912	1.01317
3	hcs058b12	11275	KLHL2	0.915598	0.119789	9.84301	9.7916	1.03628
5	hcs058b12	11275	KLHL2	0.614981	-0.589981	9.39509	9.43594	-1.02872

7	hcs058b12	11275	KLHL2	0.750288	-0.3647	9.23533	9.33962	-1.07497
5	hcs058c01	9472	AKAP6	0.788749	-0.305652	8.91975	9.0428	-1.08903
1	hcs058c03	?	?	0.650932	0.526794	9.29659	9.8124	0.6994
5	hcs058c03	?	?	0.332508	-1.26773	9.40156	10.3	-1.864
7	hcs058c03	?	?	0.176548	-2.05246	9.43273	9.73306	-1.23143
1	hcs058c06	55000	TUG1	0.73196	0.393464	10.1784	10.2688	0.939267
5	hcs058c06	55000	TUG1	0.0123705	8.90734	10.707	10.2067	1.4145
7	hcs058c06	55000	TUG1	0.18083	-2.01984	9.934	10.3251	-1.31142
3	hcs058c08	?	?	0.299625	-1.38766	9.52796	9.84426	-1.24513
5	hcs058c08	?	?	0.615238	0.58952	9.34752	9.17374	1.128
7	hcs058c08	?	?	0.678149	-0.480747	9.10825	9.2579	-1.1093
1	hcs058c11	11316	COPE	0.465971	-0.893272	9.66901	9.55511	1.08215
3	hcs058c11	11316	COPE	0.31934	1.31395	9.76697	9.56258	1.1522
5	hcs058c11	11316	COPE	0.364294	1.16464	9.72279	9.61868	1.07483
7	hcs058c11	11316	COPE	0.862638	0.196118	9.37881	9.3569	1.01531
1	hcs058c12	7746	ZNF193	0.0047762	14.4178	9.46689	9.63451	0.89031
3	hcs058c12	7746	ZNF193	0.152463	-2.25837	9.44566	9.97911	-1.44739
5	hcs058c12	7746	ZNF193	0.946263	0.0761055	9.50968	9.48228	1.01917
7	hcs058c12	7746	ZNF193	0.388355	-1.09337	9.41012	9.53804	-1.09272
3	hcs058d01	?	?	0.287047	-1.43789	10.3429	10.5402	-1.14652
5	hcs058d01	?	?	0.388863	-1.09192	10.0219	10.4752	-1.36913
5	hcs058d03	25938	HEATR5A	0.742794	-0.376407	10.4806	10.6292	-1.10853
1	hcs058d04			0.862543	0.196256	10.1744	10.2274	0.96393
3	hcs058d04			0.313919	1.33365	10.882	10.6076	1.20949
5	hcs058d04			0.395615	-1.07285	10.5344	10.952	-1.33577
7	hcs058d04			0.469595	-0.884825	9.379	10.1996	-1.76614
3	hcs058d06	6938	TCF12	0.611456	0.596338	10.9222	10.8275	1.06787
5	hcs058d06	6938	TCF12	0.471488	-0.88044	10.3803	10.7301	-1.27442
7	hcs058d06	6938	TCF12	0.245684	-1.6249	9.30347	10.0677	-1.69849
1	hcs058d07			0.778614	-0.321053	9.71273	9.66897	1.0308
3	hcs058d07			0.108239	2.787	10.2427	10.0428	1.14865
5	hcs058d07			0.197365	1.90303	10.0684	9.49046	1.49274
7	hcs058d07			0.135544	2.43188	9.40397	9.16427	1.18075
3	hcs058d11	285266	FLJ36665	0.859063	-0.201324	9.39474	9.46327	-1.04865
5	hcs058d11	285266	FLJ36665	0.587445	-0.640487	8.82074	8.93851	-1.08506
1	hcs058d12	79960	PHF17	0.785852	-0.310044	9.80797	9.72005	1.06283
3	hcs058d12	79960	PHF17	0.0496951	-4.31688	9.4584	10.3029	-1.79561
5	hcs058d12	79960	PHF17	0.257346	-1.56833	9.55026	9.82416	-1.20907
7	hcs058d12	79960	PHF17	0.0268874	-5.97486	9.3437	9.80602	-1.37776
1	hcs058e02	?	?	0.608065	-0.602482	9.42835	9.27041	1.1157
3	hcs058e02	?	?	0.156808	-2.21806	9.33577	9.90634	-1.48511
5	hcs058e02	?	?	0.0505873	-4.27561	9.38499	9.55848	-1.12778
7	hcs058e02	?	?	0.226429	-1.72634	9.10391	9.61385	-1.42399
1	hcs058e03	288	ANK3	0.653691	-0.52206	9.8499	9.60128	1.18807
3	hcs058e03	288	ANK3	0.152648	-2.25662	9.57296	10.189	-1.5327
5	hcs058e03	288	ANK3	0.789601	0.304362	9.94127	9.92325	1.01257
7	hcs058e03	288	ANK3	0.262849	-1.54276	9.42013	9.69667	-1.21129

1	hcs058e05	91851	CHRD1	0.0530504	4.16697	10.2094	11.0055	0.575891
3	hcs058e05	91851	CHRD1	0.518379	-0.777192	10.6033	10.8675	-1.201
5	hcs058e05	91851	CHRD1	0.266941	1.52419	11.1244	10.8565	1.20408
7	hcs058e05	91851	CHRD1	0.241616	-1.64545	10.5185	11.0291	-1.42464
1	hcs058e06	57211	GPR126	0.510384	0.794117	9.98901	10.1239	0.910739
3	hcs058e06	57211	GPR126	0.0700078	-3.57802	9.84068	10.5298	-1.6123
5	hcs058e06	57211	GPR126	0.757582	0.35337	10.2086	10.1324	1.05426
7	hcs058e06	57211	GPR126	0.761648	-0.347084	9.79592	9.93568	-1.10172
1	hcs058e09	51374	C2orf28	0.0312933	5.51939	10.3574	10.712	0.782087
3	hcs058e09	51374	C2orf28	0.508832	-0.797433	10.5563	10.7418	-1.13718
5	hcs058e09	51374	C2orf28	0.985638	-0.0203125	10.5483	10.5512	-1.00201
7	hcs058e09	51374	C2orf28	0.403289	-1.05162	10.2854	10.4635	-1.13145
1	hcs058e10	?	?	0.265188	1.5321	10.0456	10.4711	0.744581
3	hcs058e10	?	?	0.909509	-0.1285	10.3482	10.3883	-1.02816
5	hcs058e10	?	?	0.727845	0.399984	10.4947	10.426	1.04872
7	hcs058e10	?	?	0.584049	0.646856	10.2837	10.2214	1.04413
1	hcs058f06	23731	C9orf5	0.840314	0.228766	9.70575	9.75004	0.969765
3	hcs058f06	23731	C9orf5	0.567912	0.677583	10.4573	10.3282	1.09358
5	hcs058f06	23731	C9orf5	0.0626422	3.80524	10.2713	9.79228	1.3938
7	hcs058f06	23731	C9orf5	0.136662	2.4195	9.79543	9.68531	1.07931
1	hcs058f07	5707	PSMD1	0.654686	-0.520357	10.5824	10.5617	1.01445
3	hcs058f07	5707	PSMD1	0.170254	2.1024	11.3478	10.7399	1.52401
5	hcs058f07	5707	PSMD1	0.728852	-0.398386	10.5746	10.7027	-1.09287
7	hcs058f07	5707	PSMD1	0.388179	-1.09387	9.69463	10.0751	-1.30175
1	hcs058f08	7529	YWHAB	0.462272	0.901965	10.9944	11.2476	0.839053
3	hcs058f08	7529	YWHAB	0.75116	0.363341	11.2879	11.1232	1.12096
5	hcs058f08	7529	YWHAB	0.12156	2.59976	11.5843	11.0654	1.4329
7	hcs058f08	7529	YWHAB	0.657114	0.516208	11.0666	10.9817	1.06061
1	hcs058g01			0.0576438	3.98281	9.84284	10.1568	0.804407
5	hcs058g01			0.51046	-0.793956	9.68718	9.99904	-1.24131
1	hcs058g02	6449	SGTA	0.905305	0.134524	10.559	10.5855	0.981777
3	hcs058g02	6449	SGTA	0.976077	0.0338413	10.3484	10.333	1.01071
5	hcs058g02	6449	SGTA	0.156386	2.2219	10.8001	10.3518	1.36451
7	hcs058g02	6449	SGTA	0.756444	0.355134	10.2043	10.1903	1.00974
1	hcs058g03	56922	MCCC1	0.366508	1.15786	9.8818	10.0605	0.883517
3	hcs058g03	56922	MCCC1	0.179719	-2.0282	10.0346	10.3356	-1.23203
5	hcs058g03	56922	MCCC1	0.438467	0.959723	10.2918	10.1337	1.11581
7	hcs058g03	56922	MCCC1	0.244479	-1.63094	9.93447	10.0848	-1.10978
1	hcs058g04			0.815469	-0.265526	9.40833	9.31991	1.0632
3	hcs058g04			0.183928	-1.99689	9.20665	9.94014	-1.66266
5	hcs058g04			0.846621	0.219509	9.58732	9.53659	1.03579
7	hcs058g04			0.305207	-1.3662	9.30014	9.55216	-1.19087
1	hcs058g05	256309	CCDC110	0.426682	0.989579	9.78374	9.89775	0.924014
3	hcs058g05	256309	CCDC110	0.114411	-2.69643	10.1427	10.3056	-1.11957
5	hcs058g05	256309	CCDC110	0.875808	-0.177005	9.94365	9.96176	-1.01263
7	hcs058g05	256309	CCDC110	0.605071	0.607931	9.51263	9.44751	1.04617
1	hcs058g08	29117	BRD7	0.98129	-0.0264635	9.86568	9.8614	1.00297



3	hcs058g08	29117	BRD7	0.964614	0.0500752	10.1663	10.1548	1.00799
5	hcs058g08	29117	BRD7	0.362875	1.16901	10.2335	9.95782	1.21054
7	hcs058g08	29117	BRD7	0.604108	0.609689	9.7241	9.5331	1.14156
1	hcs058g11	?	?	0.299169	-1.38944	9.74324	9.54564	1.14679
3	hcs058g11	?	?	0.502243	-0.811625	9.56609	9.71759	-1.11072
5	hcs058g11	?	?	0.92331	0.108777	9.41978	9.41333	1.00448
5	hcs058h06	?	?	0.864749	-0.193048	10.7686	10.8664	-1.07017
1	hcs058h09	56888	KCMF1	0.442403	0.949947	9.54353	9.63509	0.938507
3	hcs058h09	56888	KCMF1	0.29164	-1.41924	10.12	10.227	-1.07704
5	hcs058h09	56888	KCMF1	0.305731	-1.36421	9.57343	9.71846	-1.10575
1	hcs058h11			0.500764	0.814834	9.9078	10.0124	0.930063
3	hcs058h11			0.21276	-1.80545	9.95655	10.4392	-1.39728
5	hcs058h11			0.799207	0.289868	9.9093	9.88009	1.02046
7	hcs058h11			0.725357	0.403937	9.93274	9.85097	1.05832
1	hcs059a04	6387	CXCL12	0.795974	-0.294736	10.3096	10.2481	1.04356
3	hcs059a04	6387	CXCL12	0.810078	0.273569	10.6985	10.6396	1.04165
5	hcs059a04	6387	CXCL12	0.392771	-1.08083	10.4344	10.8794	-1.36131
3	hcs059a08	6119	RPA3	0.352087	1.20293	10.2474	10.1612	1.06157
5	hcs059a08	6119	RPA3	0.874512	-0.17888	9.73738	9.77104	-1.02361
3	hcs059a09	6302	TSPAN31	0.386362	1.09907	10.2038	10.0355	1.12372
5	hcs059a09	6302	TSPAN31	0.705246	0.436226	9.81511	9.75196	1.04475
3	hcs059b02	23461	ABCA5	0.640283	-0.545212	9.92774	9.95747	-1.02082
5	hcs059b02	23461	ABCA5	0.315276	-1.32868	9.81627	10.0071	-1.14143
3	hcs059b04	2820	GPD2	0.555797	0.701172	9.75758	9.58735	1.12524
1	hcs059b05	56910	STARD7	0.150321	-2.27883	10.139	9.87227	1.20308
5	hcs059b05	56910	STARD7	0.0763637	3.40809	10.189	9.80456	1.3054
5	hcs059c03	5789	PTPRD	0.645737	-0.53575	10.7464	11.03	-1.21731
7	hcs059c03	5789	PTPRD	0.305402	-1.36546	9.15118	10.3554	-2.30409
1	hcs059c05	6386	SDCBP	0.955511	-0.0629789	10.509	10.492	1.01184
3	hcs059c05	6386	SDCBP	0.179315	2.03126	11.2206	10.6088	1.52815
5	hcs059c05	6386	SDCBP	0.952158	0.0677364	11.3293	11.3061	1.01625
5	hcs059c08	2026	ENO2	0.079957	3.32078	10.5723	10.1954	1.29847
1	hcs059d02	91300	C19orf22	0.0308988	5.55622	9.13477	9.33991	0.867452
3	hcs059d02	91300	C19orf22	0.479057	0.863087	9.51895	9.33164	1.13864
5	hcs059d02	91300	C19orf22	0.263942	-1.53777	9.50936	9.61066	-1.07274
1	hcs059d03	50999	TMED5	0.970561	0.0416515	9.90012	9.91011	0.993097
3	hcs059d03	50999	TMED5	0.547815	-0.716973	10.0766	10.1212	-1.03139
5	hcs059d03	50999	TMED5	0.359102	1.18074	10.4351	10.2948	1.10211
5	hcs059d05	2280	FKBP1A	0.0727148	3.50303	10.415	9.64049	1.71056
1	hcs059d09	2879	GPX4	0.377814	-1.12395	11.0995	10.9089	1.14124
3	hcs059d09	2879	GPX4	0.0641554	3.75549	11.3076	10.7607	1.46094
5	hcs059d09	2879	GPX4	0.0086632	10.6739	11.4645	10.942	1.43644
7	hcs059d09	2879	GPX4	0.0091132	10.4035	10.9637	10.5211	1.35899
1	hcs059e01	8499	PPFIA2	0.0305073	5.59346	10.6376	11.0147	0.769966
3	hcs059e01	8499	PPFIA2	0.246493	1.62086	10.9827	10.8275	1.11363
5	hcs059e01	8499	PPFIA2	0.0844298	3.21966	11.1152	10.6557	1.37513
7	hcs059e01	8499	PPFIA2	0.0291419	5.72907	10.7624	10.1851	1.49199

3	hcs059e02	9252	RPS6KA5	0.683465	0.471914	14.1671	14.0641	1.07403
5	hcs059e02	9252	RPS6KA5	0.0306761	5.57732	14.6542	14.1059	1.46233
7	hcs059e02	9252	RPS6KA5	0.0111731	9.38104	14.4076	13.8089	1.51435
5	hcs059e03	56674	TMEM9B	0.590988	-0.633877	10.8567	11.3278	-1.38617
7	hcs059e03	56674	TMEM9B	0.366142	-1.15898	9.47833	10.5698	-2.13099
1	hcs059e12			0.425975	-0.991399	9.6226	9.46256	1.11732
5	hcs059e12			0.280502	-1.46513	9.21997	9.44229	-1.16661
1	hcs059f02	80139	ZNF703	0.645333	-0.536447	9.47057	9.35139	1.08612
5	hcs059f02	80139	ZNF703	0.784804	0.311635	9.24985	9.208	1.02944
1	hcs059f03	2004	ELK3	0.88027	0.170551	9.4852	9.51302	0.980902
3	hcs059f03	2004	ELK3	0.348023	-1.21602	9.8	10.1168	-1.2456
5	hcs059f03	2004	ELK3	0.997898	0.0029728	10.1756	10.1752	1.00028
5	hcs059g10	51422	PRKAG2	0.873367	-0.18054	10.0173	10.0725	-1.039
3	hcs059g11	80218	NAA50	0.768765	-0.336125	10.176	10.2599	-1.05988
5	hcs059h02	7096	TLR1	0.621608	-0.578112	9.92506	10.579	-1.57346
1	hcs059h03	7846	TUBA1A	0.221534	-1.75393	12.7869	12.566	1.16543
3	hcs059h03	7846	TUBA1A	0.214082	-1.79751	12.3524	12.5146	-1.11902
5	hcs059h03	7846	TUBA1A	0.41207	-1.02787	12.5048	12.7482	-1.18375
7	hcs059h03	7846	TUBA1A	0.0240754	-6.3279	11.3881	12.3869	-1.99834
1	hcs059h09	9382	COG1	0.668355	-0.497154	9.55006	9.46224	1.06277
3	hcs059h09	9382	COG1	0.353105	-1.19968	9.74408	10.0019	-1.19565
5	hcs059h09	9382	COG1	0.355618	-1.19169	9.64517	9.73842	-1.06677
1	hcs059h12	3015	H2AFZ	0.100909	-2.90456	10.9338	10.4592	1.38957
3	hcs059h12	3015	H2AFZ	0.932227	-0.0960668	10.2949	10.3291	-1.02398
5	hcs059h12	3015	H2AFZ	0.488667	0.841457	10.6021	10.3959	1.15365
7	hcs059h12	3015	H2AFZ	0.173164	-2.079	9.93332	10.3253	-1.31222
1	hcs060a02	1716	DGUOK	0.286364	1.4407	9.99418	10.517	0.695992
3	hcs060a02	1716	DGUOK	0.209388	1.826	11.0392	10.7684	1.20645
5	hcs060a02	1716	DGUOK	0.650787	-0.527043	10.3402	10.4565	-1.08401
7	hcs060a02	1716	DGUOK	0.0316488	-5.48678	9.60781	10.0586	-1.3668
1	hcs060a04	5440	POLR2K	0.337529	-1.25069	10.1651	10.0681	1.06957
3	hcs060a04	5440	POLR2K	0.753245	-0.360099	10.491	10.607	-1.08378
5	hcs060a04	5440	POLR2K	0.441301	-0.952674	10.3509	10.5968	-1.1858
3	hcs060b04	10844	TUBGCP2	0.93349	0.0942674	9.74884	9.73206	1.0117
5	hcs060b04	10844	TUBGCP2	0.353457	1.19855	9.75855	9.52736	1.1738
1	hcs060b09	5159	PDGFRB	0.959069	0.057934	10.0269	10.0362	0.993554
3	hcs060b09	5159	PDGFRB	0.955863	0.0624795	9.71288	9.70441	1.00589
5	hcs060b09	5159	PDGFRB	0.781067	0.317316	9.48099	9.38409	1.06948
5	hcs060b11	9685	CLINT1	0.252017	1.59376	9.44787	9.23773	1.1568
5	hcs060b12	54884	RETSAT	0.185526	1.98525	9.21948	9.07536	1.10505
3	hcs060c02	59339	PLEKHA2	0.563453	0.686209	10.7607	10.665	1.06865
5	hcs060c02	59339	PLEKHA2	0.38411	-1.10556	10.6804	11.3127	-1.55003
1	hcs060c03	29941	PKN3	0.299373	-1.38864	9.9521	9.72474	1.17069
3	hcs060c03	29941	PKN3	0.523234	0.767038	10.5447	10.3324	1.15852
1	hcs060c05			0.644898	0.5372	10.0094	10.1632	0.898878
3	hcs060c05			0.711696	0.425803	10.8432	10.7227	1.08714
5	hcs060c05			0.274004	-1.49297	10.784	11.1795	-1.31539

7	hcs060c05			0.331044	-1.27276	9.34946	10.5253	-2.25925
5	hcs060c06	90673	PPP1R3E	0.638683	-0.548001	10.2965	10.376	-1.05664
3	hcs060d03	84545	MRPL43	0.656095	0.517947	9.84683	9.72689	1.08668
5	hcs060d03	84545	MRPL43	0.0697835	3.58443	9.93479	9.63688	1.22936
1	hcs060e02	4144	MAT2A	0.358952	-1.18121	10.8709	10.7613	1.0789
3	hcs060e02	4144	MAT2A	0.412632	1.02637	11.1159	10.7938	1.25012
5	hcs060e02	4144	MAT2A	0.25163	1.59564	10.9411	10.5724	1.29115
7	hcs060e02	4144	MAT2A	0.77376	0.328468	10.2283	10.1621	1.04694
5	hcs060e03	3081	HGD	0.761287	-0.347642	10.3096	10.4411	-1.09543
5	hcs060e04			0.494415	0.828725	10.7285	10.6179	1.07972
5	hcs060e05	11001	SLC27A2	0.74907	-0.366598	10.5266	10.7309	-1.15215
1	hcs060e12	51030	FAM18B1	0.868428	0.187703	9.41968	9.44594	0.981965
3	hcs060e12	51030	FAM18B1	0.085096	-3.20525	9.61611	10.0524	-1.35308
5	hcs060e12	51030	FAM18B1	0.623731	-0.574332	9.36251	9.43592	-1.0522
7	hcs060e12	51030	FAM18B1	0.915944	-0.119296	9.37968	9.3918	-1.00843
5	hcs060f09	?	?	0.338838	-1.24629	9.54925	10.2709	-1.6491
5	hcs060g08			0.188689	-1.9626	10.0554	10.6047	-1.46338
1	hcs060g11	?	?	0.777321	-0.323027	11.4461	11.3484	1.07004
3	hcs060g11	?	?	0.858551	-0.20207	11.4443	11.4708	-1.01856
5	hcs060g11	?	?	0.383116	-1.10845	11.2091	11.3895	-1.13317
7	hcs060g11	?	?	0.152872	-2.2545	10.2902	11.1772	-1.84927
1	hcs060g12	226	ALDOA	0.168047	2.12052	11.5407	12.0966	0.680217
3	hcs060g12	226	ALDOA	0.513772	-0.786913	11.801	11.9594	-1.11605
5	hcs060g12	226	ALDOA	0.820842	-0.257534	12.1404	12.1871	-1.03288
7	hcs060g12	226	ALDOA	0.0288783	-5.75633	11.2038	11.7002	-1.41072
1	hcs060h11	51606	ATP6V1H	0.0860287	-3.18536	9.55355	9.34326	1.15692
3	hcs060h11	51606	ATP6V1H	0.470555	-0.8826	9.04405	9.30801	-1.20078
5	hcs060h11	51606	ATP6V1H	0.717403	-0.416636	9.36693	9.40738	-1.02843
5	hcs060h12			0.129441	-2.50203	8.85558	9.0343	-1.13188
1	hcs061a03	55160	ARHGEF10I	0.525702	-0.761911	9.63581	9.60085	1.02453
3	hcs061a03	55160	ARHGEF10I	0.402618	1.05345	9.91744	9.83331	1.06005
5	hcs061a03	55160	ARHGEF10I	0.275547	1.48628	10.0685	9.6961	1.2945
7	hcs061a03	55160	ARHGEF10I	0.565893	-0.681481	9.15386	9.25664	-1.07384
1	hcs061a05	22955	SCMH1	0.2946	-1.40741	9.58516	9.40406	1.13375
3	hcs061a05	22955	SCMH1	0.736406	-0.386446	9.82167	9.88569	-1.04538
5	hcs061a05	22955	SCMH1	0.0805322	3.30732	9.67255	9.53753	1.09811
3	hcs061a08	65056	GPBP1	0.435608	-0.966885	9.92979	10.0254	-1.0685
5	hcs061a08	65056	GPBP1	0.36467	1.16349	9.99647	9.87008	1.09156
1	hcs061a11	55744	C7orf44	0.752438	0.361354	9.51001	9.54391	0.976776
3	hcs061a11	55744	C7orf44	0.381917	-1.11193	9.55986	9.77993	-1.1648
5	hcs061a11	55744	C7orf44	0.141356	2.36905	9.75282	9.42712	1.25327
7	hcs061a11	55744	C7orf44	0.305581	1.36478	9.50091	9.36247	1.10071
5	hcs061b02	?	?	0.409725	-1.03416	9.15691	9.66751	-1.42464
1	hcs061b06	8079	MLF2	0.982226	0.0251406	10.3995	10.4015	0.998598
3	hcs061b06	8079	MLF2	0.289903	1.42625	10.7888	10.4931	1.22749
5	hcs061b06	8079	MLF2	0.0047221	14.5007	10.5297	10.2012	1.25574
7	hcs061b06	8079	MLF2	0.0774645	3.38072	10.0463	9.89996	1.10678

5	hcs061b10	5995	RGR	0.966275	0.0477215	9.56296	9.54425	1.01305
1	hcs061b11	?	?	0.591161	-0.633554	9.5471	9.38529	1.11869
5	hcs061b11	?	?	0.139653	-2.38708	9.01633	9.1933	-1.1305
1	hcs061c01			0.69858	0.447064	9.23517	9.28582	0.965499
5	hcs061c01			0.920784	-0.112381	9.46327	9.5058	-1.02992
1	hcs061c04	6184	RPN1	0.0620858	3.82397	10.6324	10.9216	0.818374
3	hcs061c04	6184	RPN1	0.582925	0.648973	10.8398	10.7193	1.08714
5	hcs061c04	6184	RPN1	0.0516227	4.22902	11.0061	10.6696	1.26272
7	hcs061c04	6184	RPN1	0.450897	0.92916	10.324	10.23	1.06733
1	hcs061c05	?	?	0.315331	1.32848	9.70946	9.90634	0.872437
3	hcs061c05	?	?	0.45254	-0.925187	9.83432	9.95575	-1.08781
5	hcs061c05	?	?	0.971581	0.0402066	9.61102	9.60608	1.00343
7	hcs061c05	?	?	0.299722	-1.38728	9.61781	9.68248	-1.04584
1	hcs061c06	829	CAPZA1	0.397637	1.06721	9.8823	10.0904	0.865666
3	hcs061c06	829	CAPZA1	0.656994	0.516412	10.3526	10.2293	1.08926
5	hcs061c06	829	CAPZA1	0.175383	2.06152	10.0119	9.81762	1.14412
3	hcs061c09	80155	NAA15	0.207031	1.84063	9.88537	9.81441	1.05041
5	hcs061c10	64175	LEPRE1	0.935089	0.0919926	9.43082	9.41464	1.01128
1	hcs061c12			0.893976	0.15079	9.28645	9.29385	0.994881
3	hcs061c12			0.0962272	-2.98619	9.49074	9.86343	-1.29476
5	hcs061c12			0.0906221	-3.09169	9.21332	9.51463	-1.23227
7	hcs061c12			0.380911	1.11486	9.37268	9.24166	1.09507
3	hcs061d02	10039	PARP3	0.850546	-0.21376	9.67396	9.7444	-1.05004
1	hcs061d03	26254	OPTC	0.418586	1.01061	10.029	10.1479	0.920875
3	hcs061d03	26254	OPTC	0.997944	-0.0029079	10.4612	10.4615	-1.00016
5	hcs061d03	26254	OPTC	0.25288	1.5896	10.2378	9.97587	1.1991
7	hcs061d03	26254	OPTC	0.209627	1.82453	10.1683	9.87714	1.22359
1	hcs061d04	10155	TRIM28	0.348991	-1.21289	10.1787	9.97071	1.15508
3	hcs061d04	10155	TRIM28	0.5356	0.741579	10.2481	10.1774	1.0502
5	hcs061d04	10155	TRIM28	0.477561	0.866496	9.64075	9.54533	1.06838
7	hcs061d04	10155	TRIM28	0.414312	-1.0219	9.58985	9.78993	-1.14876
1	hcs061d05	?	?	0.74409	0.374378	9.95652	10.0238	0.954458
3	hcs061d05	?	?	0.167833	2.12229	10.3298	10.0794	1.18947
5	hcs061d05	?	?	0.232806	1.69153	10.4726	10.2654	1.15445
5	hcs061d08	?	?	0.0798259	-3.32386	9.47693	9.78632	-1.23919
1	hcs061d09	14	AAMP	0.179226	-2.03194	9.8425	9.58206	1.19784
3	hcs061d09	14	AAMP	0.618021	0.584524	10.1968	10.0562	1.10232
5	hcs061d09	14	AAMP	0.217312	1.77838	9.90082	9.5971	1.23433
7	hcs061d09	14	AAMP	0.877861	-0.174034	9.38747	9.44916	-1.04369
5	hcs061d10	83892	KCTD10	0.450726	0.929572	9.75668	9.58569	1.12583
5	hcs061d12	57037	ANKMY2	0.874916	-0.178296	9.20457	9.26453	-1.04244
5	hcs061e03	28985	MCTS1	0.270187	-1.50972	9.228	9.61073	-1.30381
3	hcs061e04	?	?	0.0848685	-3.21015	10.1949	10.4252	-1.17311
5	hcs061e04	?	?	0.575946	-0.662189	10.6255	10.692	-1.04718
3	hcs061e05	9922	IQSEC1	0.908198	0.130378	10.1354	10.1168	1.01292
5	hcs061e05	9922	IQSEC1	0.322806	-1.30157	9.13854	9.50382	-1.28813
3	hcs061e06	23	ABCF1	0.292116	1.41733	10.0308	9.96724	1.04502

5	hcs061e10	613	BCR	0.397803	1.06675	9.27147	9.08553	1.13755
3	hcs061f01	92249	LOC92249	0.826365	-0.249345	10.6208	10.7638	-1.10417
1	hcs061f04			0.755818	0.356105	9.56246	9.63256	0.95257
3	hcs061f04			0.315295	1.32861	10.2191	10.0699	1.10892
5	hcs061f04			0.0797499	-3.32565	10.0502	10.2526	-1.15065
7	hcs061f04			0.495443	-0.826464	9.57693	9.68548	-1.07814
1	hcs061f05	51428	DDX41	0.725733	-0.403339	9.5984	9.5328	1.04652
3	hcs061f05	51428	DDX41	0.222852	1.74642	10.0754	10.009	1.04714
5	hcs061f05	51428	DDX41	0.618864	-0.583014	10.1904	10.2512	-1.043
5	hcs061f06	64324	NSD1	0.114514	-2.69498	9.76728	9.86446	-1.06968
3	hcs061f07	51646	YPEL5	0.286973	1.4382	10.304	10.0158	1.22107
5	hcs061f07	51646	YPEL5	0.142907	2.35288	10.0105	9.6423	1.29076
5	hcs061f09	?	?	0.72005	-0.412399	9.65567	9.75783	-1.07338
1	hcs061g03			0.905683	0.133981	9.3285	9.36169	0.977257
1	hcs061g05	84830	C6orf105	0.97307	0.0380983	9.71322	9.732	0.987069
3	hcs061g05	84830	C6orf105	0.545774	-0.721048	9.96722	10.0659	-1.07081
5	hcs061g05	84830	C6orf105	0.362445	1.17034	10.0982	9.98553	1.08121
1	hcs061g08	84641	HIATL1	0.614017	-0.591718	9.84486	9.77949	1.04635
3	hcs061g08	84641	HIATL1	0.281391	-1.46138	9.54697	9.80123	-1.19273
5	hcs061g08	84641	HIATL1	0.108959	-2.77607	9.59654	9.77738	-1.13354
1	hcs061h02	4058	LTK	0.478988	-0.863245	9.79539	9.69469	1.0723
3	hcs061h02	4058	LTK	0.804745	0.281551	9.90543	9.83613	1.04921
5	hcs061h02	4058	LTK	0.139472	2.38901	10.0213	9.95561	1.04658
5	hcs061h03	85461	TANC1	0.70694	0.433482	10.5427	10.4224	1.08691
3	hcs061h04	5519	PPP2R1B	0.596434	0.623782	10.3882	10.3441	1.03102
5	hcs061h04	5519	PPP2R1B	0.0348432	-5.21621	10.0413	10.1809	-1.10162
1	hcs061h05	57662	KIAA1543	0.280956	1.46322	9.54013	9.75185	0.863505
3	hcs061h05	57662	KIAA1543	0.361027	-1.17474	10.1718	10.3253	-1.1122
5	hcs061h05	57662	KIAA1543	0.611554	0.596161	10.1231	9.99885	1.08993
1	hcs061h06	3732	CD82	0.217563	1.77691	9.39915	9.65816	0.835661
3	hcs061h06	3732	CD82	0.102868	2.87199	10.4115	10.0415	1.29233
5	hcs061h06	3732	CD82	0.0311775	5.53013	10.1095	9.62977	1.39443
7	hcs061h06	3732	CD82	0.918938	0.115017	9.38335	9.34894	1.02414
5	hcs061h07	8266	UBL4A	0.42789	-0.986476	9.54324	9.67574	-1.09619
3	hcs061h08	58533	SNX6	0.407798	-1.03935	10.0317	10.2575	-1.16936
5	hcs061h08	58533	SNX6	0.415294	-1.0193	9.67389	9.78982	-1.08367
1	hcs061h12			0.735332	-0.388138	9.45482	9.30771	1.10735
5	hcs061h12			0.513434	0.787629	9.44886	9.30778	1.10273
3	hcs062a03	8522	GAS7	0.0700866	3.57578	10.3802	10.1255	1.19305
5	hcs062a03	8522	GAS7	0.97534	0.0348849	9.88203	9.87645	1.00388
1	hcs062a04	6294	SAFB	0.053215	-4.15997	10.2957	10.0929	1.15094
3	hcs062a04	6294	SAFB	0.808253	-0.276298	10.2864	10.337	-1.03576
5	hcs062a04	6294	SAFB	0.038391	4.95556	10.3825	10.2745	1.0777
7	hcs062a04	6294	SAFB	0.851136	0.212898	9.81485	9.78916	1.01797
1	hcs062a07	9104	RGN	0.24086	1.64932	9.76136	10.0477	0.820006
3	hcs062a07	9104	RGN	0.965947	-0.0481859	10.0576	10.0707	-1.00911
5	hcs062a07	9104	RGN	0.446819	-0.939087	10.1122	10.1549	-1.03004

5	hcs062a08			0.998303	0.0023997	9.95287	9.95213	1.00051
1	hcs062a09			0.726754	-0.401717	9.57985	9.52166	1.04116
3	hcs062a09			0.444107	-0.945741	9.85144	9.97552	-1.08982
5	hcs062a09			0.568228	0.676973	9.59481	9.55307	1.02935
7	hcs062a09			0.952189	-0.0676922	9.56956	9.57538	-1.00404
1	hcs062a11	9538	EI24	0.624609	-0.572772	10.5542	10.4694	1.06054
3	hcs062a11	9538	EI24	0.900861	-0.140898	10.4569	10.4993	-1.02983
5	hcs062a11	9538	EI24	0.56131	0.69038	10.5682	10.478	1.06449
7	hcs062a11	9538	EI24	0.0870385	-3.16416	10.0887	10.3608	-1.2076
1	hcs062b01	8837	CFLAR	0.185934	1.9823	9.40067	10.2936	0.538513
3	hcs062b01	8837	CFLAR	0.868956	0.186936	10.2997	10.2575	1.02966
5	hcs062b01	8837	CFLAR	0.139881	-2.38464	10.2769	10.9293	-1.57178
5	hcs062b05			0.39509	-1.07432	9.88115	10.1298	-1.18811
5	hcs062b06	91833	WDR20	0.021581	-6.69646	9.79984	10.2131	-1.33173
1	hcs062b08	2027	ENO3	0.698646	0.446956	10.3003	10.4751	0.885866
3	hcs062b08	2027	ENO3	0.648804	0.530456	10.9225	10.758	1.12077
5	hcs062b08	2027	ENO3	0.459252	0.909115	10.7698	10.5621	1.15482
7	hcs062b08	2027	ENO3	0.64182	-0.542539	10.0551	10.2115	-1.11455
5	hcs062b11	3188	HNRNPH2	0.472594	0.877888	10.0508	9.77694	1.20905
1	hcs062b12	?	?	0.515431	-0.783403	9.38891	9.27199	1.08442
3	hcs062b12	?	?	0.700913	-0.443263	9.76859	9.83433	-1.04662
5	hcs062b12	?	?	0.298354	-1.39262	9.06233	9.26434	-1.15031
1	hcs062c03	54858	PGPEP1	0.0491299	-4.34359	9.47629	9.02088	1.37117
3	hcs062c03	54858	PGPEP1	0.0021186	21.6909	10.0933	9.76064	1.25932
5	hcs062c03	54858	PGPEP1	0.199598	1.88826	9.59526	9.40634	1.13992
1	hcs062c05	2006	ELN	0.794871	0.2964	9.40475	9.42796	0.984043
3	hcs062c05	2006	ELN	0.9594	0.0574649	10.5131	10.4935	1.01369
5	hcs062c05	2006	ELN	0.176876	-2.04993	9.12252	9.84356	-1.64836
3	hcs062c06	7171	TPM4	0.972186	0.0393496	9.91864	9.9095	1.00635
5	hcs062c06	7171	TPM4	0.924076	-0.107684	9.98341	9.99362	-1.0071
1	hcs062c07	388581	FAM132A	0.394374	1.07632	9.47248	9.63781	0.891726
3	hcs062c07	388581	FAM132A	0.791533	-0.30144	9.92889	9.98488	-1.03957
3	hcs062c10	6850	SYK	0.500872	0.8146	9.75101	9.51726	1.17588
5	hcs062c10	6850	SYK	0.295669	-1.40317	9.43328	9.71752	-1.21777
1	hcs062c12	2975	GTF3C1	0.07639	-3.40743	9.65977	9.2469	1.33133
3	hcs062c12	2975	GTF3C1	0.685797	-0.468054	9.69445	9.76638	-1.05112
5	hcs062c12	2975	GTF3C1	0.087752	3.1494	9.47659	9.29	1.13807
7	hcs062c12	2975	GTF3C1	0.420858	-1.00467	9.19992	9.33777	-1.10027
1	hcs062d03	5931	RBBP7	0.180484	-2.02244	10.5288	10.4201	1.07828
3	hcs062d03	5931	RBBP7	0.138261	2.40204	10.9535	10.8583	1.06819
5	hcs062d03	5931	RBBP7	0.827878	-0.247105	10.5947	10.6526	-1.04097
7	hcs062d03	5931	RBBP7	0.267852	-1.5201	10.0132	10.2676	-1.19285
1	hcs062d04			0.402439	1.05395	9.73246	9.85139	0.92087
3	hcs062d04			0.802109	-0.285506	10.147	10.2025	-1.03918
5	hcs062d04			0.0628958	-3.79678	10.0115	10.3187	-1.23726
3	hcs062d05	388325	C17orf87	0.514725	-0.784895	11.3549	11.7104	-1.2794
5	hcs062d08	51164	DCTN4	0.378605	-1.12162	9.98409	10.1965	-1.15859

1	hcs062d11	?	?	0.393302	-1.07934	10.2609	10.2149	1.03238
3	hcs062d11	?	?	0.227746	-1.71904	10.1445	10.4379	-1.22558
5	hcs062d11	?	?	0.747604	0.368885	10.1653	10.1089	1.0399
7	hcs062d11	?	?	0.0572659	-3.99714	9.66392	9.75933	-1.06837
1	hcs062d12	26135	SERBP1	0.235956	-1.6748	11.0889	10.8949	1.1439
3	hcs062d12	26135	SERBP1	0.658748	0.513424	10.8686	10.7265	1.10346
5	hcs062d12	26135	SERBP1	0.91692	0.1179	11.0207	10.9941	1.01863
7	hcs062d12	26135	SERBP1	0.0631758	-3.7875	10.0993	10.5418	-1.35892
5	hcs062e01	5641	LGMN	0.180584	-2.02169	9.75476	10.2712	-1.43039
1	hcs062e02			0.633895	-0.556377	9.66876	9.53708	1.09557
3	hcs062e02			0.240765	1.6498	10.0159	9.25285	1.69702
5	hcs062e02			0.732994	-0.391829	9.82174	9.9627	-1.10264
3	hcs062e03	8323	FZD6	0.762304	0.346071	9.87657	9.83797	1.02712
5	hcs062e03	8323	FZD6	0.885469	0.163045	9.54973	9.49951	1.03543
1	hcs062e11			0.549103	-0.71441	9.63938	9.56929	1.04978
3	hcs062e11			0.16541	-2.14259	9.58574	9.90418	-1.24698
5	hcs062e11			0.123658	-2.57289	9.3137	9.57067	-1.19496
7	hcs062e11			0.555507	0.701742	9.40241	9.25463	1.10786
1	hcs062e12			0.666492	-0.500294	9.58027	9.47929	1.0725
3	hcs062e12			0.337219	-1.25173	9.66084	9.86569	-1.15257
5	hcs062e12			0.406659	-1.04244	9.34773	9.44266	-1.06801
1	hcs062f07	53615	MBD3	0.0547861	-4.09474	9.83281	9.34216	1.40508
3	hcs062f07	53615	MBD3	0.668588	-0.496762	10.0809	10.2021	-1.08769
5	hcs062f07	53615	MBD3	0.107048	-2.80534	9.78299	9.93621	-1.11205
5	hcs062f08	9361	LONP1	0.251376	-1.59687	9.64786	10.0365	-1.30912
1	hcs062f09	10284	SAP18	0.663955	-0.504583	9.84008	9.81684	1.01624
3	hcs062f09	10284	SAP18	0.988106	0.016822	10.3201	10.3161	1.00279
5	hcs062f09	10284	SAP18	0.523875	0.765704	10.0616	9.93385	1.09256
7	hcs062f09	10284	SAP18	0.230596	-1.70345	9.5142	9.69894	-1.13661
3	hcs062f11	23613	ZMYND8	0.563129	0.686839	9.85757	9.60026	1.19525
5	hcs062f11	23613	ZMYND8	0.236813	1.6703	9.7083	9.26988	1.35512
1	hcs062g01	23511	NUP188	0.590899	0.634043	9.37815	9.62723	0.841433
5	hcs062g03	1911	PHC1	0.162155	-2.17049	9.26545	10.2429	-1.96892
1	hcs062g05	5155	PDGFB	0.307572	-1.35725	9.79233	9.25022	1.4561
3	hcs062g05	5155	PDGFB	0.375111	1.13195	9.85283	9.44297	1.32855
5	hcs062g05	5155	PDGFB	0.038135	-4.97317	10.2899	10.3697	-1.05683
7	hcs062g05	5155	PDGFB	0.429527	0.982291	9.44208	9.27757	1.12079
3	hcs062g06	280661	EIF1AXP1	0.792983	-0.299248	9.72208	9.83768	-1.08343
3	hcs062g08	55629	PNRC2	0.620197	-0.580631	9.94306	10.2574	-1.24344
1	hcs062g11	26519	TIMM10	0.335037	-1.25911	9.67162	9.32865	1.26836
3	hcs062g11	26519	TIMM10	0.272375	-1.50008	9.48461	9.67002	-1.13714
5	hcs062g11	26519	TIMM10	0.520897	-0.771914	9.3374	9.51331	-1.12968
7	hcs062g11	26519	TIMM10	0.716146	-0.41865	9.15838	9.22867	-1.04993
5	hcs062h02	148327	CREB3L4	0.546352	-0.719893	9.82243	10.0584	-1.17771
1	hcs062h04			0.785658	0.310338	13.5271	13.6048	0.947545
5	hcs062h05	124857	WFIKKN2	0.290234	-1.42491	10.1745	10.649	-1.3895
5	hcs062h06	7145	TNS1	0.0438086	-4.61928	10.0501	10.6504	-1.51608

7	hcs062h06	7145	TNS1	0.110735	-2.74953	9.28094	9.82626	-1.45935
1	hcs062h07	100127888	LOC1001270.0242511	6.30407	10.0804	10.3306	0.840758	
3	hcs062h07	100127888	LOC1001270.523784	0.765893	10.5793	10.4194	1.11716	
5	hcs062h07	100127888	LOC1001270.0656676	-3.70745	10.0722	10.4414	-1.2916	
1	hcs062h09	?	?	0.871042	-0.18391	9.70056	9.64924	1.03621
5	hcs062h09	?	?	0.88939	-0.157393	10.0497	10.0864	-1.02579
1	hcs062h11	?	?	0.635088	-0.554286	9.49794	9.37178	1.09139
5	hcs062h11	?	?	0.254145	1.58352	9.26374	9.10464	1.11659
7	hcs062h11	?	?	0.460357	-0.906493	9.20754	9.36239	-1.11331
1	hcs063a03	10395	DLC1	0.966829	0.0469372	10.7112	10.7172	0.995873
3	hcs063a03	10395	DLC1	0.0309255	5.5537	11.0435	10.7849	1.19629
5	hcs063a03	10395	DLC1	0.943017	-0.0807173	10.7835	10.7952	-1.00814
7	hcs063a03	10395	DLC1	0.927912	-0.102213	10.2139	10.2309	-1.01184
1	hcs063a04	11253	MAN1B1	0.79481	-0.296491	10.0847	9.98377	1.07246
3	hcs063a04	11253	MAN1B1	0.86955	-0.186074	10.3175	10.3319	-1.01007
5	hcs063a04	11253	MAN1B1	0.0738992	-3.47147	10.3126	10.424	-1.08024
1	hcs063a06	30827	CXXC1	0.0598122	-3.90313	9.83861	9.5818	1.19483
3	hcs063a06	30827	CXXC1	0.189462	1.95715	10.4941	10.2864	1.15484
5	hcs063a06	30827	CXXC1	0.596397	0.623848	9.97159	9.82101	1.11002
1	hcs063a07	10313	RTN3	0.795813	0.294978	10.7434	10.7906	0.967835
3	hcs063a07	10313	RTN3	0.0592246	3.9243	11.1707	10.9144	1.19441
5	hcs063a07	10313	RTN3	0.014113	8.32829	11.2523	10.7682	1.39875
7	hcs063a07	10313	RTN3	0.491533	0.835091	10.4976	10.2728	1.16867
1	hcs063a08	8519	IFITM1	0.026692	5.9976	9.96925	10.1158	0.903385
3	hcs063a08	8519	IFITM1	0.242155	1.6427	10.5851	10.3199	1.20183
5	hcs063a08	8519	IFITM1	0.0521229	4.207	10.7973	10.0309	1.70104
7	hcs063a08	8519	IFITM1	0.015885	7.83941	10.1483	9.69323	1.3709
1	hcs063a10	1452	CSNK1A1	0.819947	0.258864	9.86801	9.93455	0.954925
3	hcs063a10	1452	CSNK1A1	0.921272	-0.111685	10.4832	10.5074	-1.01692
5	hcs063a10	1452	CSNK1A1	0.15882	2.1999	10.0996	9.85273	1.18664
7	hcs063a10	1452	CSNK1A1	0.688605	-0.463419	9.60584	9.75341	-1.1077
5	hcs063b02	6777	STAT5B	0.330614	-1.27425	8.8704	9.35626	-1.40042
1	hcs063b03			0.848238	0.217139	9.41371	9.47483	0.958517
3	hcs063b03			0.0803419	-3.31176	9.35976	9.80286	-1.35953
5	hcs063b03			0.932787	0.0952695	9.58042	9.5518	1.02004
1	hcs063b07	23476	BRD4	0.976812	-0.032801	9.79433	9.78695	1.00513
3	hcs063b07	23476	BRD4	0.675626	0.484956	9.98039	9.87146	1.07843
5	hcs063b07	23476	BRD4	0.157681	2.21013	10.323	9.82129	1.41586
7	hcs063b07	23476	BRD4	0.912029	0.124894	9.53699	9.51313	1.01667
1	hcs063b09	2264	FGFR4	0.755921	-0.355945	9.39211	9.37034	1.0152
5	hcs063b09	2264	FGFR4	0.818099	0.261612	9.65074	9.59503	1.03937
5	hcs063b10	7553	ZNF7	0.095401	3.00119	9.71775	9.45341	1.20109
5	hcs063c02			0.0834312	-3.24156	9.74838	10.2605	-1.42615
1	hcs063c04	55004	C11orf59	0.162147	-2.17056	10.6463	10.3235	1.25074
3	hcs063c04	55004	C11orf59	0.371276	1.14341	10.8207	10.4264	1.31426
5	hcs063c04	55004	C11orf59	0.0614084	3.84711	10.7654	10.485	1.21452
7	hcs063c04	55004	C11orf59	0.213317	-1.80209	9.81214	9.99512	-1.13523



1	hcs063c05	?	?	0.194014	-1.92561	10.0589	9.5958	1.3785
3	hcs063c05	?	?	0.183066	2.00322	10.4534	10.2644	1.13993
5	hcs063c05	?	?	0.351389	1.20516	10.711	10.5461	1.12116
3	hcs063c06	80232	WDR26	0.898885	0.143735	10.4458	10.4091	1.02575
5	hcs063c06	80232	WDR26	0.542756	-0.727101	9.89452	10.0197	-1.09065
3	hcs063c07	8720	MBTPS1	0.790058	0.30367	10.1892	10.1092	1.05705
5	hcs063c07	8720	MBTPS1	0.935187	0.091852	9.95222	9.92778	1.01708
1	hcs063d06	4678	NASP	0.141014	-2.37264	10.0646	9.49546	1.48364
5	hcs063d06	4678	NASP	0.268305	1.51808	9.86422	9.69175	1.12699
3	hcs063d07	2040	STOM	0.804244	-0.282302	9.93656	9.98319	-1.03284
1	hcs063d08	?	?	0.809517	-0.274407	9.36501	9.32728	1.0265
5	hcs063d08	?	?	0.348615	1.2141	9.7579	9.48745	1.20619
1	hcs063d09	53343	NUDT9	0.867291	0.189353	9.42461	9.46634	0.971492
5	hcs063d09	53343	NUDT9	0.263218	1.54107	9.77512	9.39584	1.30069
3	hcs063d10	8637	EIF4EBP3	0.718176	0.415396	9.74353	9.66258	1.05771
5	hcs063d10	8637	EIF4EBP3	0.223772	1.74122	9.33005	8.9534	1.29832
5	hcs063d11	79718	TBL1XR1	0.68583	0.468	9.29706	9.2282	1.04889
1	hcs063d12	10484	SEC23A	0.811094	0.272052	9.54856	9.58882	0.972479
5	hcs063d12	10484	SEC23A	0.84526	-0.221503	9.36045	9.39988	-1.02771
1	hcs063e07	541578	CXorf40B	0.173257	-2.07827	9.70699	9.38645	1.2488
3	hcs063e07	541578	CXorf40B	0.154808	2.23642	10.4628	10.1922	1.20631
5	hcs063e07	541578	CXorf40B	0.153269	2.25077	9.86713	9.7204	1.10705
1	hcs063e08	10397	NDRG1	0.0635953	3.77371	10.0688	11.0118	0.52015
3	hcs063e08	10397	NDRG1	0.373508	1.13672	11.3606	11.1935	1.1228
5	hcs063e08	10397	NDRG1	0.581673	0.651334	11.3007	10.9909	1.23954
7	hcs063e08	10397	NDRG1	0.977787	-0.0314218	10.7988	10.8158	-1.01184
1	hcs063e11	?	?	0.113083	-2.71533	9.59477	9.47522	1.0864
3	hcs063e11	?	?	0.598666	0.619667	10.1634	10.0327	1.0948
5	hcs063e11	?	?	0.854202	0.208417	9.46131	9.42227	1.02743
1	hcs063f02	?	?	0.344801	1.22653	9.32511	9.6062	0.822969
3	hcs063f02	?	?	0.561812	-0.689401	9.72085	9.77632	-1.0392
5	hcs063f02	?	?	0.252767	-1.59014	9.58765	9.82046	-1.17513
5	hcs063f06	989	SEPT7	0.522759	0.768027	10.2068	10.0293	1.13094
1	hcs063f07	79054	TRPM8	0.721454	0.410156	9.61178	9.68904	0.947856
5	hcs063f07	79054	TRPM8	0.655364	0.519198	9.65406	9.61052	1.03064
5	hcs063g01	2669	GEM	0.389083	-1.09129	9.83407	10.1675	-1.25997
1	hcs063g04	222696	ZSCAN23	0.12903	2.50691	9.80802	10.1693	0.778479
3	hcs063g04	222696	ZSCAN23	0.399493	-1.06206	10.3559	10.6455	-1.22233
5	hcs063g04	222696	ZSCAN23	0.0797822	-3.32489	10.5061	10.9055	-1.31893
5	hcs063g11	84932	RAB2B	0.258244	-1.56411	9.29108	9.36781	-1.05462
5	hcs063g12	4615	MYD88	0.0720084	3.52221	9.38788	8.93728	1.36661
1	hcs063h02			0.14023	-2.38094	9.56113	9.41767	1.10455
3	hcs063h02			0.280022	-1.46716	9.56891	9.97131	-1.3217
5	hcs063h02			0.878009	0.17382	9.72344	9.68732	1.02535
7	hcs063h02			0.452645	0.924932	9.08501	8.9595	1.09089
5	hcs063h05	79876	UBA5	0.180162	2.02486	9.78801	9.64434	1.10471
5	hcs063h08	126969	SLC44A3	0.291153	1.4212	9.62144	9.44134	1.13296

3	hcs063h12	84248	FYTTD1	0.878852	-0.1726	9.2621	9.32018	-1.04108
5	hcs063h12	84248	FYTTD1	0.0252414	6.17446	9.38787	9.20325	1.13652
1	hcs064a02	9690	UBE3C	0.188633	-1.963	10.1524	10.0556	1.06939
1	hcs064a04	7307	U2AF1	0.213444	-1.80134	10.8329	10.6233	1.15634
3	hcs064a04	7307	U2AF1	0.691139	0.459249	10.8776	10.7944	1.05934
5	hcs064a04	7307	U2AF1	0.113622	2.70762	10.8576	10.5382	1.24778
7	hcs064a04	7307	U2AF1	0.810614	0.272768	10.2145	10.2027	1.00819
1	hcs064a05	23139	MAST2	0.887289	0.16042	10.2652	10.3028	0.974286
3	hcs064a05	23139	MAST2	0.465701	0.893903	10.4993	10.2812	1.16324
5	hcs064a05	23139	MAST2	0.125256	-2.55285	9.9751	10.1906	-1.16111
3	hcs064a08	?	?	0.26372	1.53878	9.97669	9.74736	1.17229
5	hcs064a08	?	?	0.567723	0.677946	9.70107	9.59104	1.07925
1	hcs064a12	5538	PPT1	0.368016	-1.15327	11.7305	11.5712	1.11677
3	hcs064a12	5538	PPT1	0.150796	2.27426	12.0976	11.4454	1.57153
5	hcs064a12	5538	PPT1	0.0353244	5.17861	12.0212	11.4551	1.48052
7	hcs064a12	5538	PPT1	0.661903	0.50806	11.5152	11.3861	1.09356
1	hcs064b01	6733	SRPK2	0.208729	-1.83007	11.0133	10.677	1.26254
3	hcs064b01	6733	SRPK2	0.119192	2.63087	11.1845	10.7119	1.38764
5	hcs064b01	6733	SRPK2	0.0186949	7.21078	11.2447	10.6972	1.46152
7	hcs064b01	6733	SRPK2	0.57113	0.671393	10.5506	10.3704	1.13305
1	hcs064b03	11346	SYNPO	0.336921	-1.25274	9.61563	9.42649	1.14008
3	hcs064b03	11346	SYNPO	0.671325	-0.492159	9.80873	9.85871	-1.03525
5	hcs064b03	11346	SYNPO	0.0961498	2.98759	10.0295	9.48698	1.45648
7	hcs064b03	11346	SYNPO	0.0539986	4.12709	9.99932	9.26114	1.66807
1	hcs064b06	64710	NUCKS1	0.91246	-0.124277	10.0882	10.0617	1.01853
3	hcs064b06	64710	NUCKS1	0.316652	-1.32367	10.2712	10.4084	-1.0998
5	hcs064b06	64710	NUCKS1	0.207957	1.83486	10.0047	9.89193	1.08132
7	hcs064b06	64710	NUCKS1	0.18502	-1.98892	9.54965	9.77608	-1.16994
1	hcs064b08	84441	MAML2	0.967098	-0.0465553	9.2782	9.27051	1.00534
3	hcs064b08	84441	MAML2	0.0071762	-11.741	9.47439	9.71926	-1.18499
5	hcs064b08	84441	MAML2	0.708245	0.431372	9.41271	9.33605	1.05458
7	hcs064b08	84441	MAML2	0.0262101	6.05474	9.24953	9.07	1.13251
1	hcs064b09	55207	ARL8B	0.256397	-1.57281	9.58617	9.40165	1.13644
5	hcs064b09	55207	ARL8B	0.647308	0.533035	9.6412	9.5943	1.03304
1	hcs064b11	10266	RAMP2	0.274107	-1.49252	9.74587	9.44732	1.2299
5	hcs064b11	10266	RAMP2	0.675507	-0.485155	8.97329	9.02368	-1.03554
1	hcs064c07	?	?	0.0639192	-3.76314	9.88969	9.64497	1.18487
3	hcs064c07	?	?	0.830528	0.243187	10.241	10.1858	1.03901
5	hcs064c07	?	?	0.749572	0.365816	9.49931	9.37121	1.09285
1	hcs064c09	66035	SLC2A11	0.650201	0.52805	9.52464	9.65221	0.915372
3	hcs064c09	66035	SLC2A11	0.492894	-0.83208	10.2717	10.3824	-1.07975
5	hcs064c09	66035	SLC2A11	0.383861	-1.10629	9.68327	9.78273	-1.07137
1	hcs064c12	6477	SIAH1	0.963674	-0.051406	9.57408	9.56327	1.00752
3	hcs064c12	6477	SIAH1	0.360251	-1.17715	9.57613	9.75816	-1.13448
5	hcs064c12	6477	SIAH1	0.0497902	4.31243	9.65618	9.5451	1.08003
1	hcs064d03	5713	PSMD7	0.646845	-0.533834	9.75054	9.67919	1.0507
3	hcs064d03	5713	PSMD7	0.0087207	-10.6382	9.77638	10.1248	-1.27313

5	hcs064d03	5713	PSMD7	0.213834	-1.799	9.72347	10.0424	-1.24737
1	hcs064d05			0.650162	0.528117	9.8421	9.9071	0.955943
3	hcs064d05			0.302537	-1.37641	9.97273	10.1802	-1.15465
5	hcs064d05			0.682949	-0.472768	9.48727	9.53104	-1.0308
1	hcs064d10	1974	EIF4A2	0.858306	0.202428	10.278	10.3838	0.929268
3	hcs064d10	1974	EIF4A2	0.869706	-0.185847	10.3909	10.4077	-1.01171
5	hcs064d10	1974	EIF4A2	0.358642	1.18218	10.6384	10.3786	1.19731
7	hcs064d10	1974	EIF4A2	0.563275	-0.686555	9.79181	10.1162	-1.25215
1	hcs064d11	?	?	0.476955	-0.86788	9.69567	9.60796	1.06268
3	hcs064d11	?	?	0.980699	-0.0273013	9.5963	9.60314	-1.00475
5	hcs064d11	?	?	0.424437	0.995368	9.92461	9.7168	1.15494
7	hcs064d11	?	?	0.98451	-0.0219088	9.43042	9.43252	-1.00146
3	hcs064d12	847	CAT	0.989305	0.015126	9.28777	9.28444	1.00232
5	hcs064d12	847	CAT	0.100692	2.90822	9.39614	9.093	1.23383
5	hcs064e04	59345	GNB4	0.500636	-0.815114	9.80304	10.1378	-1.26115
3	hcs064e05	5829	PXN	0.17497	-2.06476	10.1453	10.5952	-1.36593
5	hcs064e08			0.450974	0.928973	9.9519	9.73454	1.16261
1	hcs064f01	1466	CSRP2	0.413654	1.02365	9.34566	9.55854	0.862811
3	hcs064f01	1466	CSRP2	0.250043	-1.60335	9.42516	9.9482	-1.43698
5	hcs064f01	1466	CSRP2	0.852176	-0.211376	9.40882	9.44129	-1.02276
7	hcs064f01	1466	CSRP2	0.380094	-1.11725	9.25763	9.3725	-1.08288
3	hcs064f03	?	?	0.602551	-0.612536	9.66002	9.81313	-1.11197
5	hcs064f03	?	?	0.611828	-0.595665	9.62917	9.75505	-1.09118
1	hcs064f04			0.711887	0.425495	9.7399	9.78987	0.965959
3	hcs064f04			0.391441	-1.08459	9.81938	9.98813	-1.12408
5	hcs064f04			0.365523	-1.16087	9.69481	9.79128	-1.06915
7	hcs064f04			0.757198	0.353966	9.49501	9.43974	1.03905
1	hcs064f06	9855	FARP2	0.354583	-1.19498	12.3047	11.9517	1.27724
3	hcs064f06	9855	FARP2	0.378555	1.12177	12.5193	11.9524	1.48134
5	hcs064f06	9855	FARP2	0.194961	1.91918	12.4888	11.718	1.70622
7	hcs064f06	9855	FARP2	0.153163	2.25177	12.022	11.3834	1.55675
1	hcs064f10			0.688006	0.464407	10.237	10.332	0.936294
3	hcs064f10			0.352849	-1.20049	10.0723	10.301	-1.17178
5	hcs064f10			0.566059	0.68116	10.3745	10.2225	1.11105
7	hcs064f10			0.390004	-1.08867	9.70794	10.0382	-1.25724
1	hcs064f12	55023	PHIP	0.677662	-0.481558	11.1561	11.004	1.11116
3	hcs064f12	55023	PHIP	0.462763	0.900805	11.1783	10.6605	1.43185
5	hcs064f12	55023	PHIP	0.170999	2.09637	11.3252	10.5541	1.70665
7	hcs064f12	55023	PHIP	0.145958	2.32177	10.8373	10.2781	1.47343
3	hcs064g02	?	?	0.798178	0.291417	10.2707	10.2016	1.04903
5	hcs064g02	?	?	0.402986	-1.05245	9.8056	10.1176	-1.24146
3	hcs064g03	6777	STAT5B	0.553697	0.705308	10.309	10.1671	1.10335
5	hcs064g03	6777	STAT5B	0.579661	-0.655137	9.79985	9.97175	-1.12654
1	hcs064g06	6128	RPL6	0.0544727	4.10753	11.9562	12.093	0.909555
3	hcs064g06	6128	RPL6	0.498625	-0.819495	11.4608	11.6494	-1.13963
5	hcs064g06	6128	RPL6	0.0041622	15.4517	11.8786	11.7066	1.12662
7	hcs064g06	6128	RPL6	0.378554	-1.12177	11.5491	11.9244	-1.29705

1	hcs064g07	?	?	0.570194	0.673189	9.19215	9.25451	0.957694
3	hcs064g07	?	?	0.118173	2.64453	10.0989	9.831	1.20407
5	hcs064g07	?	?	0.971161	0.0408016	9.46368	9.45763	1.0042
7	hcs064g07	?	?	0.291145	-1.42123	9.20682	9.28993	-1.0593
5	hcs064h02	23067	SETD1B	0.274078	1.49265	9.71483	9.46511	1.18897
1	hcs064h03	?	?	0.392481	-1.08165	9.59807	9.42355	1.12859
3	hcs064h03	?	?	0.375498	-1.1308	9.50914	9.72399	-1.16058
5	hcs064h03	?	?	0.363962	1.16566	9.97459	9.69429	1.21445
1	hcs064h05	8443	GNPAT	0.862486	-0.196339	9.47271	9.44505	1.01936
5	hcs064h05	8443	GNPAT	0.239396	1.65686	9.73143	9.55598	1.12932
1	hcs064h09	6392	SDHD	0.543677	0.72525	9.55686	9.65871	0.931838
3	hcs064h09	6392	SDHD	0.807245	-0.277806	9.45799	9.53047	-1.05152
5	hcs064h09	6392	SDHD	0.778945	0.320549	9.59878	9.5501	1.03432
1	hcs064h10	949	SCARB1	0.68693	-0.466182	9.42974	9.34013	1.06408
3	hcs064h10	949	SCARB1	0.709793	-0.428872	9.27516	9.39796	-1.08885
5	hcs064h10	949	SCARB1	0.602515	0.612602	9.29153	9.18197	1.07889
1	hcs064h12	2739	GLO1	0.595405	0.625682	9.41661	9.55321	0.90966
3	hcs064h12	2739	GLO1	0.042842	-4.67467	9.30466	9.48725	-1.13492
5	hcs064h12	2739	GLO1	0.0849284	3.20886	9.79368	9.35639	1.35406
1	hcs065a01	359845	FAM101B	0.54549	-0.721617	9.61998	9.36862	1.19033
1	hcs065a05	80777	CYB5B	0.0040151	-15.734	10.1126	9.8524	1.19764
3	hcs065a05	80777	CYB5B	0.152014	2.26262	10.4519	9.91896	1.44684
5	hcs065a05	80777	CYB5B	0.0608983	3.86478	10.5491	10.0975	1.36756
7	hcs065a05	80777	CYB5B	0.774384	-0.327513	9.75936	9.79206	-1.02293
5	hcs065a09	?	?	0.600513	-0.616272	9.75777	9.96534	-1.15474
1	hcs065b02	399947	C11orf87	0.568832	-0.675808	9.95422	9.79171	1.11923
3	hcs065b02	399947	C11orf87	0.623724	-0.574345	10.4277	10.5129	-1.06085
5	hcs065b02	399947	C11orf87	0.281619	-1.46042	9.91692	10.3167	-1.31927
1	hcs065b03	79572	ATP13A3	0.351509	1.20478	9.99761	10.4032	0.754917
3	hcs065b03	79572	ATP13A3	0.89655	0.14709	10.6485	10.6239	1.01716
5	hcs065b03	79572	ATP13A3	0.130592	2.48844	10.8487	10.6379	1.15738
1	hcs065b05	23235	SIK2	0.276432	-1.48247	10.1835	10.0482	1.09833
3	hcs065b05	23235	SIK2	0.610085	-0.598819	9.90338	10.1055	-1.15037
5	hcs065b05	23235	SIK2	0.557272	0.698275	10.3949	10.2966	1.07056
5	hcs065b12			0.245297	1.62683	8.97989	8.74593	1.17606
1	hcs065c04	5730	PTGDS	0.385962	-1.10022	9.50965	9.42876	1.05767
3	hcs065c04	5730	PTGDS	0.765187	0.341627	9.51594	9.46274	1.03756
5	hcs065c04	5730	PTGDS	0.219243	1.76712	9.53881	9.19843	1.26609
7	hcs065c04	5730	PTGDS	0.424221	0.995926	9.52742	9.32329	1.15199
1	hcs065c05	9777	TM9SF4	0.0249578	6.21079	10.8235	11.7937	0.510423
3	hcs065c05	9777	TM9SF4	0.371688	-1.14218	11.3138	11.419	-1.07564
5	hcs065c05	9777	TM9SF4	0.491834	0.834424	11.9417	11.8561	1.06118
7	hcs065c05	9777	TM9SF4	0.250582	-1.60073	11.1601	11.586	-1.34338
1	hcs065c06	378938	MALAT1	0.121326	2.60279	10.2188	11.6334	0.375122
3	hcs065c06	378938	MALAT1	0.339159	-1.24522	11.0281	11.4219	-1.31382
5	hcs065c06	378938	MALAT1	0.0742239	3.46295	12.0327	11.5231	1.42362
7	hcs065c06	378938	MALAT1	0.857968	0.20292	11.342	11.1821	1.11724

3	hcs065c07	?	?	0.232579	-1.69275	9.88553	10.0977	-1.15839
5	hcs065c07	?	?	0.430906	0.978776	10.3677	10.2221	1.10614
1	hcs065c08	55823	VPS11	0.00349491	-16.8709	9.41928	9.08574	1.2601
3	hcs065c08	55823	VPS11	0.119894	2.62156	9.66852	9.38108	1.22047
5	hcs065c08	55823	VPS11	0.258151	1.56454	9.66345	9.40814	1.19359
3	hcs065c09	9140	ATG12	0.879018	-0.17236	9.50198	9.53273	-1.02155
5	hcs065c09	9140	ATG12	0.579297	0.655825	9.78513	9.60746	1.13106
5	hcs065c10	22848	AAK1	0.252355	1.59213	9.46182	9.17375	1.22101
3	hcs065c11	29894	CPSF1	0.309142	-1.35136	9.22257	9.52498	-1.2332
5	hcs065c11	29894	CPSF1	0.991902	-0.0114525	9.33335	9.33486	-1.00105
1	hcs065d06	5236	PGM1	0.174421	2.06906	9.98635	10.3045	0.802096
3	hcs065d06	5236	PGM1	0.931178	-0.0975607	10.3267	10.3568	-1.02105
5	hcs065d06	5236	PGM1	0.435239	0.967814	10.4049	10.1571	1.18735
7	hcs065d06	5236	PGM1	0.554141	-0.704432	9.77157	9.85882	-1.06234
1	hcs065d07	26277	TINF2	0.310865	-1.34494	9.79177	9.56771	1.16802
3	hcs065d07	26277	TINF2	0.899129	-0.143385	10.0365	10.0714	-1.02448
1	hcs065d08	7325	UBE2E2	0.752985	-0.360503	9.85651	9.72665	1.09419
3	hcs065d08	7325	UBE2E2	0.0534462	4.1502	10.3793	10.1337	1.18559
5	hcs065d08	7325	UBE2E2	0.249005	1.60844	10.0319	9.74358	1.22126
7	hcs065d08	7325	UBE2E2	0.219569	-1.76523	9.54075	9.62179	-1.05778
5	hcs065d12	?	?	0.257571	1.56727	9.68195	9.39065	1.22374
1	hcs065e02	79622	SNRNP25	0.404455	1.04843	9.23732	9.45973	0.857135
5	hcs065e02	79622	SNRNP25	0.375959	1.12943	9.70886	9.62168	1.06229
1	hcs065e03	?	?	0.216975	1.78036	9.59976	9.93219	0.794198
3	hcs065e03	?	?	0.887151	0.160619	9.9674	9.94558	1.01524
5	hcs065e03	?	?	0.248703	-1.60993	9.6903	9.95551	-1.20181
1	hcs065e04	?	?	0.745804	0.371697	10.1315	10.1985	0.954592
3	hcs065e04	?	?	0.552134	-0.708396	10.0853	10.1937	-1.07806
5	hcs065e04	?	?	0.659634	-0.511915	9.55342	9.66933	-1.08366
1	hcs065e06	5689	PSMB1	0.747469	0.369096	10.2045	10.255	0.965573
3	hcs065e06	5689	PSMB1	0.531882	0.749173	10.4203	10.3049	1.08324
5	hcs065e06	5689	PSMB1	0.106296	2.81706	10.5294	10.1821	1.27214
7	hcs065e06	5689	PSMB1	0.259153	1.55986	10.0492	9.87517	1.12822
1	hcs065e07			0.982578	-0.0246419	9.85986	9.85802	1.00128
3	hcs065e07			0.0894307	-3.11532	10.0557	10.3043	-1.18803
5	hcs065e07			0.828617	0.246012	9.87521	9.85697	1.01273
3	hcs065e08	10490	VTI1B	0.747898	0.368425	9.66096	9.60333	1.04075
5	hcs065e08	10490	VTI1B	0.0004672	46.2471	9.96592	9.50416	1.37721
1	hcs065e11	292	SLC25A5	0.727692	0.400226	10.7582	10.8091	0.965334
3	hcs065e11	292	SLC25A5	0.934049	0.0934729	10.9116	10.889	1.01581
5	hcs065e11	292	SLC25A5	0.486604	0.846065	10.8564	10.6981	1.11597
7	hcs065e11	292	SLC25A5	0.575852	-0.662368	10.328	10.4834	-1.11374
1	hcs065f02	4026	LPP	0.988528	0.0162254	9.43162	9.43569	0.997185
3	hcs065f02	4026	LPP	0.489455	0.839702	10.4083	10.1682	1.18112
5	hcs065f02	4026	LPP	0.444773	-0.944104	9.81995	10.1208	-1.23187
5	hcs065f03	51752	ERAP1	0.934247	-0.0931898	10.2927	10.3085	-1.01103
1	hcs065f07	28966	SNX24	0.0646574	-3.73936	9.97599	9.7218	1.19267

3	hcs065f07	28966	SNX24	0.621868	-0.577649	9.8537	10.0281	-1.12845
5	hcs065f07	28966	SNX24	0.661408	-0.508901	9.59607	9.66584	-1.04955
1	hcs065f09			0.651542	-0.525745	9.8614	9.70495	1.11454
3	hcs065f09			0.827897	-0.247077	10.1636	10.231	-1.04784
5	hcs065f09			0.127265	-2.52817	9.56798	9.68563	-1.08497
7	hcs065f09			0.578581	-0.657182	9.42909	9.65661	-1.17082
1	hcs065f10	85458	DIXDC1	0.500143	0.816185	12.3149	12.4606	0.903962
3	hcs065f10	85458	DIXDC1	0.0683197	-3.62695	12.2543	12.311	-1.04008
5	hcs065f10	85458	DIXDC1	0.872953	0.18114	12.5132	12.5016	1.00805
7	hcs065f10	85458	DIXDC1	0.214478	-1.79514	11.6784	12.1198	-1.35792
3	hcs065g05	1783	DYNC1LI2	0.816188	0.264455	10.1853	10.1331	1.03686
5	hcs065g05	1783	DYNC1LI2	0.795165	-0.295955	10.4613	10.5561	-1.06796
5	hcs065g06	55644	OSGEP	0.465684	0.893944	10.0415	9.92649	1.08301
3	hcs065g07			0.609612	0.599676	9.8924	9.75603	1.09914
5	hcs065g07			0.652289	0.524462	10.0008	9.94205	1.04159
3	hcs065g08	10927	SPIN1	0.525991	0.761312	9.99301	9.90522	1.06274
5	hcs065g08	10927	SPIN1	0.856749	0.204699	9.63061	9.60397	1.01864
1	hcs065g09	203	AK1	0.72366	0.406639	9.67692	9.69897	0.98483
3	hcs065g09	203	AK1	0.887648	0.159902	9.80306	9.79245	1.00738
5	hcs065g09	203	AK1	0.111505	2.7382	9.67752	9.60019	1.05507
1	hcs065h02	4705	NDUFA10	0.475615	0.870945	9.98778	10.0718	0.943425
3	hcs065h02	4705	NDUFA10	0.304131	1.3703	10.4049	10.2502	1.11317
5	hcs065h02	4705	NDUFA10	0.782437	0.315232	9.92391	9.90106	1.01596
7	hcs065h02	4705	NDUFA10	0.73316	0.391566	9.71518	9.62887	1.06165
5	hcs065h07	146433	IL34	0.0156064	-7.91076	9.46177	9.74872	-1.22006
1	hcs065h09			0.363358	-1.16752	9.91119	9.59523	1.24484
3	hcs065h09			0.367819	-1.15387	10.123	10.2493	-1.09152
5	hcs065h09			0.801047	-0.287101	9.64274	9.69917	-1.03989
1	hcs065h11	4194	MDM4	0.551278	-0.710093	9.45835	9.36243	1.06875
5	hcs065h11	4194	MDM4	0.735972	-0.387129	9.20787	9.2747	-1.04741
1	hcs066a03			0.39269	-1.08106	9.76498	9.1102	1.57437
3	hcs066a03			0.0346756	5.22949	9.60719	9.48763	1.08641
5	hcs066a03			0.470718	-0.882223	9.52781	9.73848	-1.15722
5	hcs066a04	?	?	0.322085	-1.30413	9.16515	9.38791	-1.16696
5	hcs066a05	?	?	0.511461	-0.791822	9.66319	9.8353	-1.12671
1	hcs066a06	4088	SMAD3	0.706268	0.43457	10.0055	10.1093	0.930576
3	hcs066a06	4088	SMAD3	0.931319	-0.0973594	10.1823	10.2026	-1.01417
5	hcs066a06	4088	SMAD3	0.441269	-0.952754	10.234	10.2881	-1.0382
7	hcs066a06	4088	SMAD3	0.193734	-1.92752	9.633	9.88119	-1.18772
3	hcs066a07			0.984284	0.0222282	9.70922	9.70626	1.00206
5	hcs066a07			0.0997904	-2.92357	9.54998	9.68356	-1.09701
7	hcs066a07			0.750058	-0.365058	9.24553	9.31771	-1.0513
1	hcs066a10	9188	DDX21	0.363975	-1.16562	9.79703	9.53037	1.20302
3	hcs066a10	9188	DDX21	0.870134	-0.185227	9.61321	9.66907	-1.03948
5	hcs066a10	9188	DDX21	0.617006	-0.586343	9.74289	9.84859	-1.07602
1	hcs066a11	9567	GTPBP1	0.935741	0.0910644	9.68671	9.7021	0.989389
3	hcs066a11	9567	GTPBP1	0.102118	-2.88436	9.73689	10.0751	-1.2642

5	hcs066a11	9567	GTPBP1	0.872138	0.182321	9.81419	9.76397	1.03542
7	hcs066a11	9567	GTPBP1	0.68451	-0.470184	9.47403	9.55814	-1.06004
1	hcs066a12	?	?	0.0536268	-4.14261	11.7692	11.5357	1.17566
3	hcs066a12	?	?	0.558612	0.695649	11.3937	11.1858	1.15503
5	hcs066a12	?	?	0.625739	0.570767	11.6967	11.5537	1.10417
7	hcs066a12	?	?	0.351776	-1.20392	10.7283	11.1047	-1.29808
1	hcs066b03	2784	GNB3	0.975321	-0.0349122	9.81688	9.81473	1.00149
3	hcs066b03	2784	GNB3	0.693357	0.455607	10.2428	10.2096	1.02328
5	hcs066b03	2784	GNB3	0.931833	0.0966273	10.2797	10.2735	1.00427
5	hcs066b04			0.0631404	-3.78867	9.33683	9.59589	-1.19669
1	hcs066b08	?	?	0.839127	-0.230512	9.73684	9.70793	1.02024
3	hcs066b08	?	?	0.846913	0.21908	9.87497	9.83031	1.03144
5	hcs066b08	?	?	0.76794	0.337393	9.75832	9.69787	1.04279
1	hcs066b09			0.495065	-0.827295	9.7175	9.62445	1.06663
3	hcs066b09			0.22578	-1.72995	9.97661	10.1356	-1.11651
5	hcs066b09			0.936359	0.0901852	9.45598	9.44503	1.00762
1	hcs066b12	23468	CBX5	0.27402	-1.4929	10.1171	9.87248	1.18478
5	hcs066b12	23468	CBX5	0.661786	0.508259	9.95503	9.87876	1.05429
1	hcs066c04	9774	BCLAF1	0.386322	1.09919	9.80711	9.91892	0.925424
3	hcs066c04	9774	BCLAF1	0.455221	0.918737	10.03	9.76897	1.19832
5	hcs066c04	9774	BCLAF1	0.111426	2.73935	10.2076	9.7266	1.39568
7	hcs066c04	9774	BCLAF1	0.355457	1.1922	9.70987	9.51062	1.1481
1	hcs066c06	?	?	0.727101	0.401165	9.67222	9.76676	0.936568
5	hcs066c06	?	?	0.456488	0.915702	10.1371	10.0534	1.05968
3	hcs066c08	?	?	0.973391	0.0376443	9.61248	9.60304	1.00656
5	hcs066c08	?	?	0.469303	0.885504	9.67335	9.55882	1.08262
1	hcs066c09	396	ARHGDIS	0.375494	-1.13081	10.1353	9.74661	1.3092
3	hcs066c09	396	ARHGDIS	0.956949	0.0609399	9.84971	9.82279	1.01883
5	hcs066c09	396	ARHGDIS	0.0691438	3.60285	10.2808	9.67732	1.51935
1	hcs066c10	22906	TRAK1	0.0723972	-3.51162	9.78382	9.63402	1.10942
3	hcs066c10	22906	TRAK1	0.347989	-1.21613	9.84273	10.1949	-1.27651
5	hcs066c10	22906	TRAK1	0.397229	-1.06835	9.74005	9.89681	-1.11478
7	hcs066c10	22906	TRAK1	0.258037	1.56508	9.68143	9.47181	1.15638
1	hcs066d01	5500	PPP1CB	0.515596	-0.783055	9.6252	9.59664	1.02
3	hcs066d01	5500	PPP1CB	0.588258	-0.638967	10.1883	10.2842	-1.0687
5	hcs066d01	5500	PPP1CB	0.437601	-0.961888	10.2604	10.5094	-1.18838
1	hcs066d03	8878	SQSTM1	0.556525	0.699741	9.66328	10.0078	0.787563
3	hcs066d03	8878	SQSTM1	0.8384	-0.231581	10.2975	10.358	-1.04286
5	hcs066d03	8878	SQSTM1	0.308289	-1.35456	10.7293	10.9486	-1.16417
1	hcs066d04	64710	NUCKS1	0.737371	0.384925	10.3807	10.4553	0.949621
3	hcs066d04	64710	NUCKS1	0.594197	0.627917	10.9218	10.8861	1.02508
5	hcs066d04	64710	NUCKS1	0.384525	1.10437	10.533	10.4	1.09658
7	hcs066d04	64710	NUCKS1	0.0515677	-4.23146	9.84709	10.2211	-1.29595
1	hcs066d07	57109	REXO4	0.0017227	-24.0619	9.51413	9.38125	1.09648
3	hcs066d07	57109	REXO4	0.959368	-0.0575101	10.0632	10.0746	-1.00788
5	hcs066d07	57109	REXO4	0.603855	-0.610151	9.50134	9.61637	-1.083
3	hcs066d08	220988	HNRNP3	0.833788	-0.238375	10.2162	10.3044	-1.06306

5	hcs066d08	220988	HNRNPA3	0.183935	-1.99683	9.71773	10.1088	-1.31133
3	hcs066d09	4205	MEF2A	0.831973	0.241054	10.0296	9.96371	1.04671
5	hcs066d09	4205	MEF2A	0.799154	-0.289948	9.53714	9.63193	-1.06791
1	hcs066d12			0.449605	-0.932294	9.65989	9.40567	1.19269
5	hcs066d12			0.708469	-0.43101	9.07651	9.21661	-1.10198
5	hcs066e03	10307	APBB3	0.657448	0.515638	9.98369	9.84378	1.10184
3	hcs066e04	79673	ZNF329	0.573041	-0.667732	9.64523	9.81354	-1.12374
5	hcs066e04	79673	ZNF329	0.432147	-0.975623	9.84839	10.042	-1.14362
1	hcs066e05	22839	DLGAP4	0.0363626	5.10001	10.0578	10.5502	0.710855
3	hcs066e05	22839	DLGAP4	0.57651	-0.661115	10.5704	10.7416	-1.126
5	hcs066e05	22839	DLGAP4	0.44075	0.954041	10.7298	10.4119	1.24657
7	hcs066e05	22839	DLGAP4	0.747104	-0.369665	10.085	10.1552	-1.04982
1	hcs066e06	79901	CYBRD1	0.348244	1.21531	9.64447	9.72667	0.944618
3	hcs066e06	79901	CYBRD1	0.939405	-0.0858525	9.85512	9.86535	-1.00712
5	hcs066e06	79901	CYBRD1	0.0003549	53.0676	10.0183	9.78065	1.17909
1	hcs066e07	7177	TPSAB1	0.249983	1.60365	9.51059	9.73577	0.855486
3	hcs066e07	7177	TPSAB1	0.890638	0.155595	9.82324	9.79919	1.01681
5	hcs066e07	7177	TPSAB1	0.0507819	4.26674	9.93948	9.7053	1.17624
1	hcs066e09			0.963002	-0.0523595	10.6898	10.6762	1.00945
3	hcs066e09			0.550964	-0.710714	9.88083	10.0095	-1.09326
5	hcs066e09			0.389992	-1.0887	9.90585	10.1249	-1.16398
1	hcs066e10	?	?	0.596499	0.623661	9.72799	9.74938	0.985281
3	hcs066e10	?	?	0.471199	-0.881108	9.72849	9.9083	-1.13273
5	hcs066e10	?	?	0.519355	0.775143	9.44744	9.36619	1.05793
5	hcs066e11	23039	XPO7	0.0319948	5.45557	9.52153	9.33674	1.13665
5	hcs066e12	3428	IFI16	0.610594	0.597898	8.93391	8.74551	1.1395
3	hcs066f02	93643	TJAP1	0.450613	0.929847	10.0895	9.84405	1.18545
5	hcs066f02	93643	TJAP1	0.227273	-1.72166	9.52459	9.98987	-1.38059
3	hcs066f09	?	?	0.76318	-0.34472	9.87721	9.9904	-1.08162
5	hcs066f09	?	?	0.996986	-0.00426219	9.38145	9.38215	-1.00048
3	hcs066f10	?	?	0.92416	0.107564	9.69287	9.65078	1.0296
5	hcs066f10	?	?	0.782125	-0.315705	9.59442	9.67215	-1.05535
1	hcs066f11	?	?	0.271823	-1.5025	10.1048	9.86917	1.17742
3	hcs066f11	?	?	0.757206	0.353954	10.1047	10.0386	1.04694
5	hcs066f11	?	?	0.106965	2.80661	10.1376	9.81028	1.25472
7	hcs066f11	?	?	0.958352	0.0589504	9.64885	9.64627	1.00179
3	hcs066f12	5924	RASGRF2	0.525021	-0.763323	9.97793	10.1301	-1.11124
5	hcs066f12	5924	RASGRF2	0.0464651	-4.47587	9.18216	9.23264	-1.03561
7	hcs066f12	5924	RASGRF2	0.973603	-0.0373444	9.54326	9.55154	-1.00576
1	hcs066g02	133308	NHEDC2	0.779449	0.31978	9.41628	9.49276	0.948371
5	hcs066g02	133308	NHEDC2	0.514871	-0.784586	9.66321	9.77025	-1.07702
1	hcs066g03	6599	SMARCC1	0.88914	0.157752	10.9295	10.9614	0.978131
3	hcs066g03	6599	SMARCC1	0.439867	0.956234	11.1641	10.9718	1.14256
5	hcs066g03	6599	SMARCC1	0.0299987	5.6429	11.0846	10.9435	1.10272
7	hcs066g03	6599	SMARCC1	0.390043	1.08856	10.5175	10.3661	1.1107
3	hcs066g04	?	?	0.822605	0.254918	9.96602	9.92051	1.03205
5	hcs066g04	?	?	0.837821	0.232432	10.1188	10.0648	1.03819



1	hcs066g07	10371	SEMA3A	0.667094	-0.499278	9.77362	9.68164	1.06583
3	hcs066g07	10371	SEMA3A	0.95152	0.0686415	10.0428	10.0338	1.00628
5	hcs066g07	10371	SEMA3A	0.261177	1.55046	9.62975	9.4507	1.13214
7	hcs066g07	10371	SEMA3A	0.578878	0.65662	9.42644	9.34021	1.06159
3	hcs066g12	?	?	0.121003	-2.607	9.52505	9.83626	-1.24075
5	hcs066g12	?	?	0.661095	0.509432	9.42367	9.37156	1.03678
7	hcs066g12	?	?	0.238909	-1.65938	9.23594	9.49396	-1.19584
5	hcs066h02	?	?	0.201668	-1.87476	10.4094	10.5243	-1.08288
1	hcs066h03	6837	MED22	0.314945	1.32989	13.8811	14.1268	0.843387
7	hcs066h03	6837	MED22	0.16983	2.10586	14.3132	13.6782	1.55294
1	hcs066h04	54942	C9orf6	0.318221	1.31798	13.4145	13.5931	0.88356
3	hcs066h04	54942	C9orf6	0.0865162	3.17508	13.5175	13.2117	1.23608
5	hcs066h04	54942	C9orf6	0.0232518	6.44309	14.0547	13.3532	1.62619
7	hcs066h04	54942	C9orf6	0.0348688	5.21419	13.6503	13.1308	1.43346
3	hcs066h05	?	?	0.477265	-0.86717	9.96588	10.2143	-1.18793
5	hcs066h05	?	?	0.227341	-1.72128	9.90585	10.2676	-1.28497
1	hcs066h07	?	?	0.85933	-0.200935	9.55482	9.54047	1.00999
3	hcs066h07	?	?	0.412016	-1.02802	9.99408	10.2097	-1.16121
5	hcs066h07	?	?	0.491189	-0.835852	9.79857	9.85522	-1.04004
1	hcs066h08	9013	TAF1C	0.626213	-0.569927	9.71655	9.67035	1.03254
3	hcs066h08	9013	TAF1C	0.205553	1.84992	10.2075	9.71366	1.40815
5	hcs066h08	9013	TAF1C	0.13861	2.39828	10.0969	9.45277	1.56278
7	hcs066h08	9013	TAF1C	0.352441	1.20179	9.76442	9.20497	1.4737
1	hcs066h09	5110	PCMT1	0.0704097	3.56663	10.335	10.6548	0.801164
3	hcs066h09	5110	PCMT1	0.618091	0.584397	11.0476	10.9265	1.08752
5	hcs066h09	5110	PCMT1	0.138363	2.40094	11.0577	10.6421	1.3339
1	hcs066h10			0.250251	1.60234	14.0986	14.3296	0.852064
3	hcs066h10			0.0156205	7.90711	13.9701	13.5586	1.33007
7	hcs066h10			0.0045675	14.7457	14.348	14.064	1.21757
1	hcs066h11	115677	NOSTRIN	0.249944	-1.60384	9.86003	9.52261	1.2635
5	hcs066h11	115677	NOSTRIN	0.515458	0.783346	9.66824	9.53003	1.10054
3	hcs067a01	?	?	0.50816	-0.798873	10.5315	10.6137	-1.05867
5	hcs067a01	?	?	0.137756	-2.40752	9.79477	10.1184	-1.25146
7	hcs067a01	?	?	0.566682	0.679955	9.76306	9.73083	1.02259
1	hcs067a03	2873	GPS1	0.942311	-0.0817201	9.56397	9.54962	1.01
3	hcs067a03	2873	GPS1	0.930597	0.0983874	10.2443	10.2138	1.02138
5	hcs067a03	2873	GPS1	0.303476	-1.37281	9.46062	10.1269	-1.58697
1	hcs067a04	5465	PPARA	0.325685	-1.2914	10.2588	10.1812	1.05527
3	hcs067a04	5465	PPARA	0.83204	-0.240954	10.4804	10.5498	-1.04928
5	hcs067a04	5465	PPARA	0.691003	-0.459473	10.6207	10.7608	-1.10198
1	hcs067a05	?	?	0.206992	1.84088	10.9755	11.0835	0.927895
3	hcs067a05	?	?	0.335566	1.25732	11.3727	11.2204	1.11134
5	hcs067a05	?	?	0.676803	0.482991	11.3883	11.3407	1.0335
7	hcs067a05	?	?	0.181622	-2.01392	10.573	10.7291	-1.11422
1	hcs067a06			0.593262	-0.629651	9.79919	9.68621	1.08146
3	hcs067a06			0.97365	0.0372781	10.3222	10.3139	1.0058
5	hcs067a06			0.756597	0.354897	10.0417	9.99468	1.0331

7	hcs067a06			0.965658	0.0485949	9.52861	9.51219	1.01145
1	hcs067b01	9512	PMPCB	0.920345	-0.113009	9.80449	9.78119	1.01628
3	hcs067b01	9512	PMPCB	0.358	-1.18419	9.46438	9.67379	-1.15622
5	hcs067b01	9512	PMPCB	0.661678	0.508442	9.58966	9.55913	1.02139
3	hcs067b02	55365	TMEM176A	0.591588	-0.632759	9.43879	9.67101	-1.17465
5	hcs067b02	55365	TMEM176A	0.304285	1.36971	9.85967	9.65675	1.15102
3	hcs067b03	2058	EPRS	0.357399	-1.18608	9.70482	10.0985	-1.31377
5	hcs067b03	2058	EPRS	0.0649061	3.73144	10.2084	9.93196	1.21123
3	hcs067b09	1119	CHKA	0.642776	0.540879	10.1994	10.1119	1.06259
1	hcs067b10	322	APBB1	0.219884	-1.76341	9.50489	9.38752	1.08476
3	hcs067b10	322	APBB1	0.750915	0.363724	9.24388	9.12145	1.08857
5	hcs067b10	322	APBB1	0.0616849	3.83762	9.58497	9.07377	1.42524
1	hcs067c01	84623	KIRREL3	0.842858	0.225028	9.54317	9.5736	0.97913
5	hcs067c01	84623	KIRREL3	0.321767	-1.30526	10.1483	10.3723	-1.16797
1	hcs067c04	2348	FOLR1	0.931744	-0.0967536	9.79829	9.77621	1.01542
3	hcs067c04	2348	FOLR1	0.511851	0.790992	10.6436	10.4945	1.10887
5	hcs067c04	2348	FOLR1	0.235882	-1.67519	10.1294	10.224	-1.06774
1	hcs067c06	11142	PKIG	0.578701	-0.656955	9.85682	9.73386	1.08897
3	hcs067c06	11142	PKIG	0.378015	1.12335	10.4248	10.25	1.12883
5	hcs067c06	11142	PKIG	0.716051	0.418803	9.85668	9.79346	1.04479
7	hcs067c06	11142	PKIG	0.385393	1.10186	9.44387	9.23784	1.15351
3	hcs067c07	84298	LLPH	0.845983	-0.220443	10.1631	10.2592	-1.06889
5	hcs067c07	84298	LLPH	0.0938077	-3.03063	9.78795	10.3069	-1.43291
3	hcs067c09	53349	ZFYVE1	0.720195	-0.412167	10.0222	10.0747	-1.03705
5	hcs067c09	53349	ZFYVE1	0.900641	0.141214	9.83307	9.80816	1.01742
1	hcs067c12	5164	PDK2	0.469991	-0.883906	9.57297	9.39274	1.13307
3	hcs067c12	5164	PDK2	0.245845	-1.62409	9.60481	9.82779	-1.16714
5	hcs067c12	5164	PDK2	0.878343	0.173337	9.40248	9.36729	1.02469
1	hcs067d04	55125	CEP192	0.316385	1.32464	9.87353	10.0163	0.905774
3	hcs067d04	55125	CEP192	0.849426	-0.2154	10.0455	10.093	-1.03347
5	hcs067d04	55125	CEP192	0.0182825	-7.29395	9.58173	9.82211	-1.1813
7	hcs067d04	55125	CEP192	0.543833	0.724937	9.58576	9.50302	1.05903
1	hcs067d06	282991	BLOC1S2	0.577107	-0.65998	9.71199	9.55841	1.11233
5	hcs067d06	282991	BLOC1S2	0.183841	-1.99752	9.49181	10.1154	-1.54075
1	hcs067d12	6515	SLC2A3	0.982312	0.0250181	9.10854	9.11968	0.992308
3	hcs067d12	6515	SLC2A3	0.311072	-1.34417	8.77526	9.06021	-1.21837
5	hcs067d12	6515	SLC2A3	0.982406	0.0248849	9.19049	9.18453	1.00414
5	hcs067e05	66008	TRAK2	0.719895	0.412646	10.5882	10.4821	1.07629
3	hcs067e07	?	?	0.749996	-0.365154	10.0902	10.1978	-1.07744
5	hcs067e07	?	?	0.612401	-0.594631	10.0114	10.0857	-1.05283
3	hcs067e10	1827	RCAN1	0.960776	0.0555132	10.1398	10.127	1.00897
5	hcs067e10	1827	RCAN1	0.633449	-0.557161	9.60713	9.75616	-1.10882
3	hcs067e11	?	?	0.780218	-0.318609	10.102	10.15	-1.03377
1	hcs067e12	7265	TTC1	0.651513	-0.525795	9.64985	9.5507	1.07114
3	hcs067e12	7265	TTC1	0.727585	-0.400396	9.83363	9.95381	-1.08688
5	hcs067e12	7265	TTC1	0.1313	2.48017	9.81913	9.57174	1.18706
7	hcs067e12	7265	TTC1	0.604044	0.609805	9.513	9.41802	1.06805

5	hcs067f03	11194	ABCB8	0.582847	-0.64912	9.02896	9.27854	-1.18887
1	hcs067f07			0.263765	1.53858	9.29652	9.61556	0.801605
3	hcs067f07			0.405842	1.04465	9.86776	9.78337	1.06023
5	hcs067f07			0.065148	-3.72377	9.34016	9.53489	-1.14452
1	hcs067f11	1892	ECHS1	0.232745	-1.69186	9.91329	9.35403	1.47351
3	hcs067f11	1892	ECHS1	0.52462	0.764156	9.4158	9.29719	1.08569
5	hcs067f11	1892	ECHS1	0.231671	1.69763	9.71929	9.39432	1.25264
3	hcs067g02	6871	TADA2A	0.450834	-0.929311	10.4929	10.6377	-1.10554
5	hcs067g02	6871	TADA2A	0.366537	-1.15777	9.94584	10.2898	-1.26924
5	hcs067g03	?	?	0.487607	-0.843822	10.4751	10.8027	-1.25492
1	hcs067g05	998	CDC42	0.600838	-0.615674	10.7961	10.7706	1.01786
3	hcs067g05	998	CDC42	0.0466024	4.46879	11.236	10.9726	1.20031
5	hcs067g05	998	CDC42	0.982631	0.0245672	10.8758	10.8684	1.0052
7	hcs067g05	998	CDC42	0.327599	-1.2847	10.0871	10.324	-1.17851
1	hcs067g12	54205	CYCS	0.780503	-0.318175	9.87738	9.80729	1.04978
3	hcs067g12	54205	CYCS	0.840818	-0.228025	9.96667	10.0537	-1.06221
5	hcs067g12	54205	CYCS	0.360939	1.17501	10.0038	9.80667	1.14638
7	hcs067g12	54205	CYCS	0.117225	-2.65739	9.25985	9.9311	-1.59246
5	hcs067h06	?	?	0.673879	-0.487879	9.70061	9.83006	-1.09387
1	hcs067h12	7514	XPO1	0.856091	-0.205659	9.6112	9.57299	1.02684
3	hcs067h12	7514	XPO1	0.174467	-2.06871	9.66519	9.95578	-1.22314
5	hcs067h12	7514	XPO1	0.563618	0.68589	9.69393	9.58135	1.08116
1	hcs068a02	79594	MUL1	0.14857	-2.29585	9.8558	9.50079	1.279
3	hcs068a02	79594	MUL1	0.238223	1.66293	10.1056	9.78681	1.2473
5	hcs068a02	79594	MUL1	0.783442	-0.313704	10.0523	10.077	-1.01723
1	hcs068a03	8674	VAMP4	0.49906	-0.818545	9.65896	9.50758	1.11063
3	hcs068a03	8674	VAMP4	0.967985	0.0452992	9.93425	9.92113	1.00913
5	hcs068a03	8674	VAMP4	0.704489	0.437452	9.87432	9.7919	1.05879
7	hcs068a03	8674	VAMP4	0.698449	-0.447278	9.25735	9.3332	-1.05398
1	hcs068a04	10404	PGCP	0.371468	1.14283	9.79424	10.0223	0.85377
3	hcs068a04	10404	PGCP	0.653984	-0.521557	10.4066	10.4403	-1.02367
5	hcs068a04	10404	PGCP	0.0472911	-4.4337	9.87955	10.1451	-1.20209
7	hcs068a04	10404	PGCP	0.61341	-0.592811	9.66208	9.76058	-1.07066
3	hcs068a05	58499	ZNF462	0.370718	1.14509	10.1992	9.99711	1.15034
5	hcs068a05	58499	ZNF462	0.572397	0.668965	10.1701	10.0547	1.08329
5	hcs068a08	2331	FMOD	0.917854	0.116566	9.87343	9.85144	1.01536
1	hcs068a10	?	?	0.734201	0.389922	9.60218	9.66182	0.959503
3	hcs068a10	?	?	0.625344	-0.571467	9.88892	9.93101	-1.0296
5	hcs068a10	?	?	0.842854	-0.225034	9.57308	9.62767	-1.03856
1	hcs068a12	9114	ATP6V0D1	0.149734	-2.28451	9.95159	9.39798	1.46775
3	hcs068a12	9114	ATP6V0D1	0.599455	0.618214	10.0999	9.76195	1.264
5	hcs068a12	9114	ATP6V0D1	0.0746008	3.45312	10.0135	9.56891	1.36096
7	hcs068a12	9114	ATP6V0D1	0.28738	1.43653	9.814	9.32166	1.40672
1	hcs068b07	10632	ATP5L	0.954981	-0.063731	10.8382	10.8313	1.00477
3	hcs068b07	10632	ATP5L	0.207336	1.83873	10.983	10.6986	1.21788
5	hcs068b07	10632	ATP5L	0.0342444	5.26408	11.1007	10.7289	1.29394
7	hcs068b07	10632	ATP5L	0.476583	0.868729	10.5092	10.3092	1.1487

5	hcs068c03	64397	ZFP106	0.259292	1.55921	10.3936	10.3198	1.0525
5	hcs068c04	?	?	0.275603	-1.48604	10.3093	10.5249	-1.16121
1	hcs068c05	2935	GSPT1	0.334092	-1.26232	10.5494	10.4605	1.06353
3	hcs068c05	2935	GSPT1	0.0540767	4.12385	11.0158	10.7624	1.19204
5	hcs068c05	2935	GSPT1	0.314859	1.33021	10.788	10.6104	1.13103
7	hcs068c05	2935	GSPT1	0.946662	0.0755395	10.0615	10.0419	1.01367
3	hcs068c08	25989	ULK3	0.863096	0.195452	9.93581	9.8938	1.02954
1	hcs068c11			0.214453	-1.79529	10.1462	9.74837	1.31753
3	hcs068c11			0.211061	-1.81575	9.86809	10.1169	-1.18827
5	hcs068c11			0.467174	-0.89046	9.47216	9.56513	-1.06656
7	hcs068c11			0.174022	2.07221	9.55337	9.44755	1.0761
1	hcs068d09	92906	HNRPLL	0.983009	-0.0240327	9.43221	9.42843	1.00262
3	hcs068d09	92906	HNRPLL	0.971421	0.0404331	9.61426	9.61109	1.0022
5	hcs068d09	92906	HNRPLL	0.170468	-2.10066	9.34793	9.65571	-1.2378
7	hcs068d09	92906	HNRPLL	0.402889	-1.05271	9.37618	9.5646	-1.13951
1	hcs068e01	10424	PGRMC2	0.942579	0.0813398	10.0544	10.0659	0.992095
3	hcs068e01	10424	PGRMC2	0.598764	0.619486	10.5586	10.4241	1.09767
5	hcs068e01	10424	PGRMC2	0.975888	0.0341091	10.4912	10.4837	1.00524
7	hcs068e01	10424	PGRMC2	0.786825	0.308567	9.81309	9.75811	1.03885
5	hcs068e02	?	?	0.52371	0.766047	10.5345	10.476	1.0414
1	hcs068e03	29970	SCHIP1	0.147976	2.3017	9.694	10.0421	0.785641
3	hcs068e03	29970	SCHIP1	0.883994	0.165173	10.5116	10.4623	1.03473
5	hcs068e03	29970	SCHIP1	0.318819	-1.31582	10.1288	10.4441	-1.24427
7	hcs068e03	29970	SCHIP1	0.234948	-1.68013	9.07061	9.81287	-1.67279
1	hcs068e04	58525	WIZ	0.481658	-0.85719	9.807	9.65859	1.10835
3	hcs068e04	58525	WIZ	0.726967	-0.401377	10.4281	10.4948	-1.04736
5	hcs068e04	58525	WIZ	0.296817	1.39865	10.6563	10.3485	1.23787
1	hcs068e05	221491	C6orf1	0.770665	0.333209	9.98668	10.0122	0.982475
3	hcs068e05	221491	C6orf1	0.472195	0.878808	10.5183	10.3206	1.1469
5	hcs068e05	221491	C6orf1	0.908336	-0.13018	10.0729	10.0814	-1.00588
7	hcs068e05	221491	C6orf1	0.19197	-1.93965	9.40992	9.80959	-1.31921
3	hcs068e06	215	ABCD1	0.578748	0.656867	10.1173	9.88708	1.17298
1	hcs068e08	377	ARF3	0.373444	-1.13691	10.4784	10.2448	1.1758
3	hcs068e08	377	ARF3	0.288301	1.43276	10.7935	10.4323	1.28454
5	hcs068e08	377	ARF3	0.0884079	3.13597	10.5182	10.154	1.28714
7	hcs068e08	377	ARF3	0.0103169	9.76889	9.90903	9.81076	1.07049
3	hcs068e09	57464	FAM40B	0.45058	-0.929927	9.91778	10.0948	-1.13053
5	hcs068e09	57464	FAM40B	0.0356428	-5.15415	9.59006	9.82823	-1.17949
1	hcs068f01	53	ACP2	0.844994	-0.221894	9.38004	9.33097	1.0346
3	hcs068f01	53	ACP2	0.531234	-0.750501	9.28369	9.45998	-1.12998
5	hcs068f01	53	ACP2	0.495799	-0.825682	9.44988	9.59738	-1.10765
1	hcs068f04	90864	SPSB3	0.793103	0.299067	9.17573	9.23426	0.960244
3	hcs068f04	90864	SPSB3	0.311429	-1.34284	9.18269	9.44687	-1.20095
5	hcs068f04	90864	SPSB3	0.961875	-0.0539563	9.43434	9.44718	-1.00894
1	hcs068f07	55164	SHQ1	0.395355	-1.07357	9.58176	9.16502	1.33491
3	hcs068f07	55164	SHQ1	0.712745	-0.424114	10.0558	10.1273	-1.05086
5	hcs068f07	55164	SHQ1	0.0211882	-6.76028	9.77324	9.94427	-1.12586

1	hcs068f08	81858	SHARPIN	0.349505	1.21123	9.73179	9.83114	0.933456
3	hcs068f08	81858	SHARPIN	0.482458	-0.855383	9.75185	9.82306	-1.0506
5	hcs068f08	81858	SHARPIN	0.875862	0.176927	9.62865	9.60493	1.01658
7	hcs068f08	81858	SHARPIN	0.909585	0.128391	9.49092	9.47427	1.01161
1	hcs068f09	57552	NCEH1	0.43868	0.959192	9.62767	9.95422	0.797443
3	hcs068f09	57552	NCEH1	0.174304	-2.06999	9.76676	10.1071	-1.26601
5	hcs068f09	57552	NCEH1	0.0343314	-5.25705	9.21219	9.88684	-1.59622
7	hcs068f09	57552	NCEH1	0.12794	-2.51999	9.03341	9.92403	-1.85396
5	hcs068f10	10868	USP20	0.947433	0.0744436	9.68389	9.67221	1.00813
1	hcs068f11	5394	EXOSC10	0.114551	-2.69446	9.97157	9.56892	1.32193
5	hcs068f11	5394	EXOSC10	0.929593	-0.0998186	9.39292	9.40772	-1.01031
1	hcs068f12	2962	GTF2F1	0.543195	-0.726219	9.65815	9.56801	1.06447
3	hcs068f12	2962	GTF2F1	0.80896	-0.275241	9.56049	9.62088	-1.04275
5	hcs068f12	2962	GTF2F1	0.317971	1.31889	9.6989	9.39624	1.23342
3	hcs068g07	5158	PDE6B	0.527157	-0.758899	9.86326	10.1604	-1.22871
5	hcs068g07	5158	PDE6B	0.123775	-2.57142	9.61059	9.89496	-1.21788
3	hcs068g08	11196	SEC23IP	0.532805	0.747282	10.3269	10.142	1.13668
1	hcs068g10	1104	RCC1	0.191999	-1.93945	9.73569	9.52553	1.15682
3	hcs068g10	1104	RCC1	0.103784	-2.85706	9.88061	10.1453	-1.20138
5	hcs068g10	1104	RCC1	0.634318	-0.555636	9.52241	9.6156	-1.06672
5	hcs068g11	?	?	0.351456	-1.20495	9.46397	9.60306	-1.10121
1	hcs068h01			0.515656	-0.782928	9.45261	9.40304	1.03496
3	hcs068h01			0.0227179	-6.52104	9.74998	10.1716	-1.33948
7	hcs068h01			0.112735	2.72033	9.2888	9.13565	1.11199
1	hcs068h02	51652	VPS24	0.291652	-1.41919	9.8906	9.71725	1.12767
3	hcs068h02	51652	VPS24	0.552652	0.707372	10.2096	10.0632	1.10682
5	hcs068h02	51652	VPS24	0.480356	0.860139	10.2556	10.1055	1.10962
7	hcs068h02	51652	VPS24	0.0172425	7.51669	9.67127	9.30961	1.2849
1	hcs068h06	2018	EMX2	0.66884	0.496338	10.1101	10.1786	0.953638
5	hcs068h06	2018	EMX2	0.871609	0.183087	9.73229	9.69221	1.02817
5	hcs068h07	4287	ATXN3	0.330306	-1.27531	9.25297	9.53539	-1.21624
5	hcs068h08	23469	PHF3	0.631095	-0.561301	9.45902	9.5473	-1.0631
1	hcs068h09	9341	VAMP3	0.989315	0.0151111	9.91089	9.91383	0.997966
3	hcs068h09	9341	VAMP3	0.635647	0.553306	10.2568	10.1201	1.09941
5	hcs068h09	9341	VAMP3	0.260689	1.55272	10.3323	10.1517	1.13336
7	hcs068h09	9341	VAMP3	0.178592	-2.03676	9.54961	9.72311	-1.12779
1	hcs068h12	10491	CRTAP	0.272412	-1.49992	9.70254	9.52163	1.1336
3	hcs068h12	10491	CRTAP	0.400675	-1.0588	9.55543	9.65356	-1.07039
5	hcs068h12	10491	CRTAP	0.336278	1.25491	9.69667	9.41999	1.21141
7	hcs068h12	10491	CRTAP	0.136386	2.42255	9.54663	9.31484	1.17429
1	hcs069a02	8031	NCOA4	0.149104	2.29064	9.73891	9.88781	0.90194
5	hcs069a02	8031	NCOA4	0.722252	0.408882	10.1659	9.97905	1.13824
5	hcs069a03			0.298499	-1.39205	9.24023	9.67375	-1.35053
1	hcs069a05	7077	TIMP2	0.735418	-0.388003	11.3989	11.3386	1.04268
3	hcs069a05	7077	TIMP2	0.0595884	3.91116	12.0833	11.3859	1.62162
5	hcs069a05	7077	TIMP2	0.0506623	4.27218	12.0683	11.3806	1.61068
7	hcs069a05	7077	TIMP2	0.0407807	4.79915	11.3162	10.8705	1.36201

3	hcs069a09	5315	PKM2	0.172108	2.08743	10.1836	9.79708	1.30722
5	hcs069a09	5315	PKM2	0.428832	0.984066	9.31739	9.15025	1.12283
5	hcs069a10	392	ARHGAP1	0.401647	1.05612	9.29092	9.20522	1.0612
1	hcs069b03	84626	KRBA1	0.507799	0.799647	9.17969	9.4883	0.807418
3	hcs069b03	84626	KRBA1	0.490194	-0.838061	10.055	10.2086	-1.1123
5	hcs069b03	84626	KRBA1	0.291449	-1.42001	9.79532	10.0989	-1.23416
1	hcs069b05	?	?	0.239711	-1.65523	9.63691	9.47475	1.11896
3	hcs069b05	?	?	0.705854	-0.43524	10.0955	10.1701	-1.05307
5	hcs069b05	?	?	0.1355	-2.43237	9.88419	10.2265	-1.26779
1	hcs069b06	54497	HEATR5B	0.0444021	4.58616	10.7241	11.0116	0.819302
3	hcs069b06	54497	HEATR5B	0.260414	-1.55399	11.4933	11.522	-1.02012
5	hcs069b06	54497	HEATR5B	0.653334	0.522671	11.3625	11.2842	1.05577
7	hcs069b06	54497	HEATR5B	0.101857	-2.8887	10.7851	11.0185	-1.1756
5	hcs069b07	2132	EXT2	0.267288	-1.52263	9.82405	9.95396	-1.09423
1	hcs069b11	4720	NDUFS2	0.508955	-0.797171	9.60696	9.50549	1.07286
3	hcs069b11	4720	NDUFS2	0.824942	-0.251452	9.74455	9.7807	-1.02537
5	hcs069b11	4720	NDUFS2	0.0424388	4.69832	9.75054	9.52033	1.173
5	hcs069c01	54928	IMPAD1	0.349782	-1.21033	9.1214	9.75805	-1.55471
1	hcs069c05	162993	ZNF846	0.133857	2.45082	9.19472	9.71489	0.69729
5	hcs069c05	162993	ZNF846	0.196745	-1.90717	9.45462	9.77301	-1.24694
3	hcs069c06	11143	MYST2	0.742739	-0.376494	9.54519	9.69856	-1.11216
5	hcs069c06	11143	MYST2	0.499803	-0.816925	9.56588	9.73675	-1.12573
5	hcs069c07	1793	DOCK1	0.817755	-0.262124	9.55624	9.64042	-1.06009
1	hcs069c08	5709	PSMD3	0.260912	-1.55168	10.1114	9.86263	1.18819
3	hcs069c08	5709	PSMD3	0.276163	1.48363	9.99762	9.8495	1.10812
5	hcs069c08	5709	PSMD3	0.055337	4.07251	9.85323	9.62866	1.16843
7	hcs069c08	5709	PSMD3	0.470803	0.882024	9.563	9.47477	1.06307
1	hcs069c11	112936	VPS26B	0.0778925	-3.37023	9.69026	9.29975	1.31086
3	hcs069c11	112936	VPS26B	0.970057	0.0423642	9.516	9.51281	1.00221
5	hcs069c11	112936	VPS26B	0.269263	1.51381	9.33126	9.04477	1.21967
1	hcs069d02	?	?	0.90064	-0.141215	10.0036	9.93611	1.04789
3	hcs069d02	?	?	0.325586	-1.29175	10.175	10.7113	-1.45027
5	hcs069d02	?	?	0.111086	-2.74435	10.2035	10.7584	-1.46905
1	hcs069d04	?	?	0.187447	1.97143	11.1729	11.5755	0.756476
3	hcs069d04	?	?	0.233987	-1.68523	11.3728	11.4861	-1.0817
5	hcs069d04	?	?	0.990609	0.0132811	11.52	11.5184	1.00109
7	hcs069d04	?	?	0.0542889	-4.11509	10.8116	11.0396	-1.17121
1	hcs069d05	118	ADD1	0.304128	1.37031	10.946	11.0526	0.928753
3	hcs069d05	118	ADD1	0.955775	0.0626054	11.4471	11.4394	1.0054
5	hcs069d05	118	ADD1	0.431151	-0.978154	11.1526	11.3296	-1.13058
7	hcs069d05	118	ADD1	0.24276	-1.63962	10.506	10.6301	-1.08988
1	hcs069d08	5128	CDK17	0.256569	-1.572	9.72286	9.60282	1.08676
3	hcs069d08	5128	CDK17	0.775813	-0.325329	9.98485	10.0642	-1.05651
5	hcs069d08	5128	CDK17	0.370868	1.14464	10.1436	10.0069	1.09936
1	hcs069d11	2720	GLB1	0.772356	0.330618	9.82362	9.89717	0.950297
3	hcs069d11	2720	GLB1	0.997851	0.0030390	10.0895	10.0892	1.0002
5	hcs069d11	2720	GLB1	0.521202	0.771276	10.0665	10.0046	1.04387

7	hcs069d11	2720	GLB1	0.206409	-1.84453	9.52065	9.68146	-1.11792
1	hcs069e04	8795	TNFRSF10B	0.235061	1.67952	9.62643	10.0117	0.765637
5	hcs069e04	8795	TNFRSF10B	0.728548	-0.398868	9.90892	9.95092	-1.02954
7	hcs069e04	8795	TNFRSF10B	0.218629	-1.77068	9.69969	10.0556	-1.2798
3	hcs069e09	4286	MITF	0.477235	-0.867239	9.21823	9.59756	-1.30074
5	hcs069e09	4286	MITF	0.949935	-0.070891	10.2409	10.2537	-1.00892
5	hcs069e10	2779	GNAT1	0.149019	-2.29146	9.68732	9.85276	-1.12151
5	hcs069e11	142	PARP1	0.209293	-1.82659	8.92847	9.20085	-1.2078
3	hcs069f03	9070	ASH2L	0.993044	-0.009838	10.1134	10.116	-1.00176
5	hcs069f03	9070	ASH2L	0.454247	-0.921075	10.0632	10.2609	-1.14683
1	hcs069f04	928	CD9	0.659544	0.512069	10.0755	10.1252	0.966119
3	hcs069f04	928	CD9	0.158418	2.2035	10.8013	10.4608	1.26625
5	hcs069f04	928	CD9	0.0751275	3.43951	10.6943	10.3491	1.27029
7	hcs069f04	928	CD9	0.179068	2.03314	10.3659	9.91673	1.36522
3	hcs069f05	?	?	0.988191	-0.016701	10.2588	10.2655	-1.00466
1	hcs069f06	5585	PKN1	0.439315	0.95761	10.3738	10.4714	0.934586
3	hcs069f06	5585	PKN1	0.0693488	-3.59692	10.7117	10.7541	-1.02987
5	hcs069f06	5585	PKN1	0.625448	0.571283	10.4395	10.362	1.05519
7	hcs069f06	5585	PKN1	0.251545	-1.59605	9.863	9.94	-1.05482
1	hcs069f07	79827	ASAM	0.360918	1.17508	10.0756	10.1215	0.968688
3	hcs069f07	79827	ASAM	0.896558	0.147078	10.312	10.2988	1.00918
5	hcs069f07	79827	ASAM	0.628029	0.566712	10.2142	10.1139	1.07201
7	hcs069f07	79827	ASAM	0.604124	0.60966	9.82872	9.75515	1.05232
5	hcs069f08	26276	VPS33B	0.188907	-1.96106	9.80627	9.91438	-1.07782
1	hcs069g04	7385	UQCRC2	0.658466	-0.513903	9.85183	9.63082	1.16555
3	hcs069g04	7385	UQCRC2	0.478652	0.86401	10.0131	9.90624	1.07692
5	hcs069g04	7385	UQCRC2	0.136532	2.42094	9.81936	9.58565	1.17585
3	hcs069g07	9415	FADS2	0.168822	2.11412	9.97345	9.38503	1.5036
5	hcs069g07	9415	FADS2	0.0149745	8.07986	9.92118	9.2015	1.64682
1	hcs069g08	?	?	0.489353	0.839931	9.28497	9.40197	0.922103
1	hcs069g09	653689	GSTT2B	0.633502	0.557068	9.38698	9.50005	0.924621
3	hcs069g09	653689	GSTT2B	0.351369	-1.20523	9.31734	9.51076	-1.14347
5	hcs069g09	653689	GSTT2B	0.42297	0.999168	9.8747	9.5785	1.22791
1	hcs069g11	10150	MBNL2	0.987177	0.0181366	9.58622	9.59305	0.995275
3	hcs069g11	10150	MBNL2	0.485414	-0.848731	9.66425	9.83205	-1.12334
5	hcs069g11	10150	MBNL2	0.431701	0.976755	9.59115	9.48343	1.07753
1	hcs069g12	292	SLC25A5	0.545495	0.721607	10.5979	10.7145	0.922359
3	hcs069g12	292	SLC25A5	0.92176	0.110988	11.0093	10.985	1.01699
5	hcs069g12	292	SLC25A5	0.671119	0.492505	10.9125	10.8292	1.05944
7	hcs069g12	292	SLC25A5	0.639264	-0.546988	10.368	10.504	-1.09885
5	hcs069h01	2633	GBP1	0.70382	-0.438539	9.70842	9.91858	-1.15682
1	hcs069h02	6535	SLC6A8	0.730599	0.395618	9.718	9.8851	0.890629
5	hcs069h02	6535	SLC6A8	0.799368	0.289625	10.0188	9.92664	1.06596
5	hcs069h04	?	?	0.465212	-0.89505	9.42193	10.0216	-1.5154
5	hcs069h05	?	?	0.309441	-1.35024	9.98586	10.6086	-1.53979
5	hcs069h11	26046	LTN1	0.302732	1.37566	9.713	9.62733	1.06118
5	hcs070a01	2034	EPAS1	0.226017	1.72863	9.92672	9.59225	1.26091

1	hcs070a08	56270	WDR45L	0.258821	1.56141	9.99055	10.1589	0.889884
3	hcs070a08	56270	WDR45L	0.830721	0.242902	10.4862	10.465	1.01483
5	hcs070a08	56270	WDR45L	0.858771	0.20175	10.3602	10.335	1.01764
7	hcs070a08	56270	WDR45L	0.172348	-2.08551	9.82746	9.96804	-1.10235
1	hcs070a09	441951	NCRNA002	0.50031	0.815822	10.404	10.6108	0.866477
3	hcs070a09	441951	NCRNA002	0.730351	-0.39601	10.5625	10.5972	-1.02432
5	hcs070a09	441951	NCRNA002	0.963231	-0.0520344	10.3933	10.4002	-1.0048
7	hcs070a09	441951	NCRNA002	0.699665	-0.445296	10.1471	10.2961	-1.10875
5	hcs070a10			0.216122	-1.78538	9.34806	9.50173	-1.11239
5	hcs070b01	54952	TRNAU1AP	0.504828	-0.806034	9.81016	10.0024	-1.14256
5	hcs070b02	51174	TUBD1	0.544695	-0.72321	9.97926	10.2492	-1.20579
1	hcs070b04	125144	NCRNA001	0.636532	0.551758	9.6433	9.77927	0.910058
3	hcs070b04	125144	NCRNA001	0.653254	-0.522809	10.2764	10.338	-1.04362
5	hcs070b04	125144	NCRNA001	0.293725	-1.41089	9.96249	10.1256	-1.11967
1	hcs070b05			0.426725	0.989467	10.1606	10.3022	0.906517
3	hcs070b05			0.226648	-1.72512	10.4908	10.6501	-1.11675
5	hcs070b05			0.0511548	-4.2499	9.9683	10.4659	-1.41189
7	hcs070b05			0.823512	0.253572	9.7666	9.71729	1.03477
5	hcs070b06	?	?	0.271323	-1.5047	10.0184	10.2687	-1.18947
5	hcs070b08	6262	RYR2	0.0119099	-9.08112	9.42555	9.80878	-1.30426
3	hcs070b11	79954	NOL10	0.953598	0.0656928	10.0229	10.0056	1.01204
5	hcs070b11	79954	NOL10	0.727819	0.400025	9.02593	8.93816	1.06273
1	hcs070c05	64777	RMND5B	0.176762	-2.0508	9.70773	9.62913	1.05599
3	hcs070c05	64777	RMND5B	0.19537	1.91641	10.2411	9.85561	1.30627
5	hcs070c05	64777	RMND5B	0.659857	-0.511536	10.2723	10.3482	-1.05406
1	hcs070c07	55738	ARFGAP1	0.596231	-0.624155	9.86169	9.777	1.06046
3	hcs070c07	55738	ARFGAP1	0.597298	-0.622186	9.87807	10.0086	-1.09469
5	hcs070c07	55738	ARFGAP1	0.583918	-0.647104	9.66883	9.73067	-1.04379
7	hcs070c07	55738	ARFGAP1	0.734587	-0.389313	9.67637	9.69482	-1.01287
1	hcs070c09	57659	ZBTB4	0.953563	-0.065743	9.72428	9.70842	1.01105
3	hcs070c09	57659	ZBTB4	0.208932	1.82882	9.97747	9.78365	1.14379
5	hcs070c09	57659	ZBTB4	0.0270686	5.95399	9.8857	9.69668	1.13999
7	hcs070c09	57659	ZBTB4	0.100927	2.90427	9.71827	9.48714	1.17375
5	hcs070c10	51433	ANAPC5	0.969141	-0.0436615	9.23829	9.24442	-1.00426
5	hcs070d01	4800	NFYA	0.224027	-1.73978	10.0794	10.447	-1.29018
1	hcs070d02			0.832577	0.240162	10.1123	10.152	0.972855
5	hcs070d02			0.41318	-1.02491	10.5113	10.7139	-1.15074
1	hcs070d04	2232	FDXR	0.524205	0.765016	10.0498	10.3429	0.816131
3	hcs070d04	2232	FDXR	0.802938	-0.284263	10.4268	10.5114	-1.06041
5	hcs070d04	2232	FDXR	0.0478398	-4.40628	10.1455	10.6766	-1.44496
5	hcs070d08	54532	USP53	0.443778	-0.946551	9.93311	10.1443	-1.15762
1	hcs070d09			0.234332	1.68339	9.93432	10.1931	0.835787
5	hcs070d09			0.509922	0.795104	10.1234	10.012	1.0803
1	hcs070e03	57104	PNPLA2	0.0126572	-8.80394	10.5042	10.0135	1.4051
3	hcs070e03	57104	PNPLA2	0.131865	2.47363	11.0619	10.0658	1.99456
5	hcs070e03	57104	PNPLA2	0.0679031	3.63929	11.0283	9.9849	2.06108
7	hcs070e03	57104	PNPLA2	0.041754	4.73925	10.9781	9.91428	2.09045



1	hcs070e05	54543	TOMM7	0.678692	0.479841	10.1746	10.2865	0.925396
3	hcs070e05	54543	TOMM7	0.295388	1.40429	10.7156	10.5025	1.15919
5	hcs070e05	54543	TOMM7	0.5739	-0.666091	10.3277	10.3562	-1.01998
7	hcs070e05	54543	TOMM7	0.869174	0.18662	10.1059	10.074	1.02237
1	hcs070e06	6876	TAGLN	0.112983	2.71676	9.8622	10.3213	0.727423
5	hcs070e06	6876	TAGLN	0.111394	2.73983	10.7583	10.308	1.36631
7	hcs070e06	6876	TAGLN	0.0019807	22.4358	10.7291	10.1913	1.45181
5	hcs070e07	5087	PBX1	0.822846	-0.25456	9.3519	9.51694	-1.1212
1	hcs070e08	145270	PRIMA1	0.584934	0.645194	9.55889	9.80847	0.841143
3	hcs070e08	145270	PRIMA1	0.226889	1.72378	10.1668	9.94384	1.16712
5	hcs070e08	145270	PRIMA1	0.301524	1.38031	9.5816	9.42584	1.11401
5	hcs070e09	151987	PPP4R2	0.619232	0.582357	10.1071	9.98639	1.08726
5	hcs070e11	9890	LPPR4	0.969008	-0.043851	8.89665	8.90525	-1.00598
5	hcs070f01	4212	MEIS2	0.557362	-0.698097	10.2844	10.7121	-1.34506
3	hcs070f02	10516	FBLN5	0.977684	0.0315675	9.95483	9.9464	1.00586
5	hcs070f02	10516	FBLN5	0.131711	-2.4754	9.73546	10.1288	-1.31343
1	hcs070f05	23413	NCS1	0.530363	0.75229	10.1805	10.3653	0.879777
3	hcs070f05	23413	NCS1	0.431181	-0.978078	10.7158	10.8851	-1.12455
5	hcs070f05	23413	NCS1	0.443312	-0.947701	10.2437	10.4171	-1.12766
7	hcs070f05	23413	NCS1	0.613278	-0.593049	9.71515	9.88851	-1.12768
1	hcs070f11	23326	USP22	0.677856	-0.481235	9.92753	9.87728	1.03544
3	hcs070f11	23326	USP22	0.779257	0.320073	10.0471	9.97628	1.05028
5	hcs070f11	23326	USP22	0.721856	0.409514	9.86339	9.82459	1.02726
7	hcs070f11	23326	USP22	0.298183	-1.39329	9.46527	9.52409	-1.04162
1	hcs070f12			0.516095	-0.782002	9.55824	9.51379	1.03129
5	hcs070f12			0.59909	0.618886	9.4224	9.3833	1.02747
1	hcs070g11	149041	RC3H1	0.940925	-0.0836915	9.3167	9.28825	1.01992
1	hcs070h03	8237	USP11	0.52238	0.768818	9.88969	10.057	0.890485
3	hcs070h03	8237	USP11	0.283641	1.45197	10.5548	10.2729	1.21585
5	hcs070h03	8237	USP11	0.881458	-0.168834	9.90073	9.92704	-1.01841
7	hcs070h03	8237	USP11	0.59493	-0.62656	9.67691	9.87568	-1.14772
5	hcs070h11	64783	RBM15	0.44328	-0.947781	9.21163	9.38979	-1.13144
3	hcs071a02	?	?	0.417184	1.0143	10.4697	10.2388	1.17361
5	hcs071a02	?	?	0.600982	-0.615411	10.2031	10.3795	-1.13006
3	hcs071a03	57786	RBAK	0.944793	0.0781944	10.3917	10.3676	1.01689
5	hcs071a03	57786	RBAK	0.159496	-2.19387	9.97497	10.4592	-1.39885
3	hcs071a04	8925	HERC1	0.0762873	3.41001	10.7982	10.7216	1.05457
5	hcs071a04	8925	HERC1	0.39915	-1.06301	10.1364	10.5984	-1.37742
3	hcs071a07	199920	C1orf168	0.765131	-0.341714	10.2928	10.419	-1.09142
5	hcs071a07	199920	C1orf168	0.975063	-0.0352775	10.1923	10.2013	-1.00628
1	hcs071a09	5327	PLAT	0.776981	-0.323545	9.74778	9.62538	1.08855
3	hcs071a09	5327	PLAT	0.957694	-0.0598828	10.3821	10.4025	-1.01421
5	hcs071a09	5327	PLAT	0.154995	2.23469	10.3559	10.1888	1.12277
1	hcs071b01	1495	CTNNA1	0.945661	0.0769608	10.0163	10.0271	0.992547
3	hcs071b01	1495	CTNNA1	0.751333	-0.363073	10.1085	10.184	-1.05373
5	hcs071b01	1495	CTNNA1	0.904027	-0.136355	10.3228	10.3595	-1.02578
3	hcs071b02	79903	NAT15	0.47524	0.871802	9.63066	9.52456	1.07631

5	hcs071b02	79903	NAT15	0.308986	-1.35194	9.55955	9.70015	-1.10237
1	hcs071b07	977	CD151	0.198101	1.89813	10.8484	10.9971	0.902084
3	hcs071b07	977	CD151	0.517597	0.778837	11.0497	10.8781	1.12633
5	hcs071b07	977	CD151	0.0672462	3.65898	11.4473	10.9801	1.38246
7	hcs071b07	977	CD151	0.797627	0.292246	10.5731	10.5232	1.03519
1	hcs071b08	84888	SPPL2A	0.838807	0.230982	10.6385	10.6801	0.971555
3	hcs071b08	84888	SPPL2A	0.222328	1.7494	10.9174	10.8463	1.05049
5	hcs071b08	84888	SPPL2A	0.956152	-0.06207	10.7487	10.7636	-1.01033
7	hcs071b08	84888	SPPL2A	0.552396	-0.707878	10.1122	10.254	-1.10325
5	hcs071b09	54165	DCUN1D1	0.13824	2.40227	9.52702	9.15283	1.29611
5	hcs071b10	221477	C6orf89	0.0152404	8.00744	10.0379	9.64819	1.31013
1	hcs071c03	7296	TXNRD1	0.212518	1.80691	10.1782	10.41	0.851548
3	hcs071c03	7296	TXNRD1	0.385044	1.10287	11.1264	10.909	1.16268
5	hcs071c03	7296	TXNRD1	0.3503	-1.20866	10.6511	11.1798	-1.44264
7	hcs071c03	7296	TXNRD1	0.468576	-0.887193	10.1535	10.4495	-1.22777
1	hcs071c04	54920	DUS2L	0.841296	-0.227323	10.1143	10.0694	1.03159
3	hcs071c04	54920	DUS2L	0.729036	-0.398094	10.6012	10.7393	-1.10048
5	hcs071c04	54920	DUS2L	0.358535	-1.18251	9.50833	10.2851	-1.71328
1	hcs071c05	?	?	0.342401	-1.23444	10.3679	9.94885	1.33704
3	hcs071c05	?	?	0.415267	-1.01937	10.021	10.5022	-1.39593
5	hcs071c05	?	?	0.352773	-1.20074	10.1429	10.6017	-1.37433
5	hcs071c08	29992	PILRA	0.272726	-1.49854	9.891	10.1847	-1.22579
3	hcs071c09	4638	MYLK	0.689145	0.46253	10.2599	10.1919	1.04827
5	hcs071c09	4638	MYLK	0.706782	0.433737	9.88734	9.83288	1.03847
7	hcs071c09	4638	MYLK	0.779715	-0.319375	9.68745	9.78928	-1.07313
1	hcs071c11	?	?	0.333925	-1.26289	9.84386	9.61983	1.16799
3	hcs071c11	?	?	0.488468	0.841901	9.53348	9.37696	1.1146
5	hcs071c11	?	?	0.109078	-2.77427	9.52418	9.78811	-1.20075
1	hcs071c12	80762	NDFIP1	0.425851	-0.991718	9.82073	9.68991	1.09492
5	hcs071c12	80762	NDFIP1	0.0361226	5.11788	9.65256	9.49549	1.11502
3	hcs071d02	?	?	0.10052	-2.91115	9.60658	9.90698	-1.23149
5	hcs071d02	?	?	0.664284	0.504026	9.93933	9.84844	1.06503
1	hcs071d03	643641	ZNF862	0.115878	2.67591	9.8147	10.0086	0.874217
5	hcs071d03	643641	ZNF862	0.018563	-7.23707	10.1854	10.5107	-1.25296
1	hcs071d04	92154	MTSS1L	0.163939	2.15511	9.87972	10.1636	0.821388
3	hcs071d04	92154	MTSS1L	0.765311	-0.341437	10.3309	10.3912	-1.04268
5	hcs071d04	92154	MTSS1L	0.0765286	3.40395	10.422	10.1359	1.21937
7	hcs071d04	92154	MTSS1L	0.0149957	8.074	10.1196	9.8173	1.23311
3	hcs071d05	10989	IMMT	0.762018	0.346512	10.1705	10.0741	1.06907
5	hcs071d05	10989	IMMT	0.155362	2.2313	9.79115	9.37704	1.33248
3	hcs071d06	?	?	0.443856	-0.94636	10.0688	10.2164	-1.10772
5	hcs071d06	?	?	0.269985	1.51061	9.83068	9.62513	1.15312
1	hcs071d07	51060	TXNDC12	0.674175	-0.487382	9.82776	9.72946	1.07051
3	hcs071d07	51060	TXNDC12	0.143063	-2.35126	9.73576	9.99888	-1.20007
5	hcs071d07	51060	TXNDC12	0.920813	0.11234	9.78012	9.77329	1.00475
7	hcs071d07	51060	TXNDC12	0.519788	-0.774236	9.17639	9.38143	-1.15272
1	hcs071d08	4218	RAB8A	0.0212414	-6.75154	10.2687	9.91418	1.27856

5	hcs071d08	4218	RAB8A	0.303105	1.37423	10.2667	10.0218	1.18504
7	hcs071d08	4218	RAB8A	0.635286	0.553939	9.61028	9.52563	1.06043
1	hcs071d09	90121	TSR2	0.143097	-2.35091	9.80713	9.50386	1.23394
3	hcs071d09	90121	TSR2	0.708043	-0.431699	9.71567	9.84221	-1.09167
5	hcs071d09	90121	TSR2	0.203463	1.8632	9.79013	9.58078	1.15616
1	hcs071e01	1635	DCTD	0.892204	0.15334	9.68513	9.74831	0.95715
3	hcs071e01	1635	DCTD	0.964646	0.0500291	10.3169	10.3024	1.01005
5	hcs071e01	1635	DCTD	0.467586	-0.8895	10.1246	10.3848	-1.19764
3	hcs071e04	655	BMP7	0.515277	-0.783728	10.1391	10.4845	-1.27051
5	hcs071e04	655	BMP7	0.274941	-1.4889	10.2692	10.691	-1.33955
5	hcs071e06	90507	SCRN2	0.099212	-2.93352	9.96731	10.3643	-1.31677
1	hcs071e08	7220	TRPC1	0.0451785	-4.54378	9.67063	9.47242	1.14728
3	hcs071e08	7220	TRPC1	0.38778	1.09501	10.1903	9.93581	1.1929
5	hcs071e08	7220	TRPC1	0.0103801	-9.73863	9.39648	9.59553	-1.14795
1	hcs071e12			0.50625	0.802972	9.35449	9.42386	0.953052
5	hcs071e12			0.0966507	-2.97858	9.08434	9.32729	-1.18341
3	hcs071f03	201229	C17orf108	0.225885	-1.72936	9.50275	9.71691	-1.16003
5	hcs071f03	201229	C17orf108	0.474556	0.873373	9.66879	9.55932	1.07883
1	hcs071f05	89910	UBE3B	0.994858	0.0072721	9.16185	9.16274	0.999381
5	hcs071f05	89910	UBE3B	0.0597283	3.90613	9.86849	9.53627	1.25894
7	hcs071f05	89910	UBE3B	0.293113	1.41334	9.18394	9.05664	1.09225
1	hcs071f09			0.446605	-0.939609	9.61654	9.43116	1.13712
3	hcs071f09			0.397686	-1.06707	9.59664	9.87888	-1.21608
5	hcs071f09			0.208894	-1.82905	9.41277	9.50572	-1.06655
1	hcs071f10	2539	G6PD	0.0247	-6.24436	10.2493	9.92181	1.25483
3	hcs071f10	2539	G6PD	0.903595	-0.136975	9.57724	9.62235	-1.03176
5	hcs071f10	2539	G6PD	0.126736	2.53461	9.94264	9.56854	1.29602
1	hcs071f12	11273	ATXN2L	0.726857	0.401553	14.7684	14.9286	0.89488
5	hcs071g01	149986	LSM14B	0.448729	-0.934424	9.83539	10.162	-1.2541
1	hcs071g02	?	?	0.601826	0.613863	9.749	10.0149	0.831678
5	hcs071g02	?	?	0.226917	-1.72363	10.0024	10.5895	-1.50221
1	hcs071g04			0.409722	1.03417	10.2045	10.2776	0.950574
3	hcs071g04			0.297782	1.39486	11.0571	10.9097	1.10752
5	hcs071g04			0.0099724	-9.93874	9.9563	10.3399	-1.30458
7	hcs071g04			0.428359	-0.985277	9.55771	9.83778	-1.21425
1	hcs071g06	10954	PDIA5	0.36587	1.15981	9.88641	10.2014	0.803875
3	hcs071g06	10954	PDIA5	0.964725	0.049917	10.689	10.6735	1.0108
5	hcs071g06	10954	PDIA5	0.214942	-1.79238	10.0386	10.1361	-1.06993
7	hcs071g06	10954	PDIA5	0.900099	-0.141991	9.66777	9.68102	-1.00922
3	hcs071g07	2100	ESR2	0.844936	0.221979	10.1333	10.0518	1.05809
5	hcs071g07	2100	ESR2	0.0975034	-2.96339	9.79354	10.023	-1.17236
1	hcs071g08	7045	TGFBI	0.0841581	3.22558	11.9418	12.823	0.542928
3	hcs071g08	7045	TGFBI	0.0272778	-5.93016	10.7495	12.6072	-3.62425
5	hcs071g08	7045	TGFBI	0.0056259	-13.2759	10.9697	12.951	-3.94849
7	hcs071g08	7045	TGFBI	0.0149605	-8.08373	10.2128	12.5167	-4.93795
1	hcs071g10			0.90129	-0.140281	9.67349	9.6249	1.03425
5	hcs071g11	10443	N4BP2L2	0.935477	-0.0914397	9.27739	9.29903	-1.01511

1	hcs071g12	435	ASL	0.476148	-0.869723	9.63351	9.36009	1.20867
3	hcs071g12	435	ASL	0.451939	-0.926639	9.46097	9.72976	-1.2048
5	hcs071g12	435	ASL	0.677101	-0.482494	9.47416	9.5068	-1.02288
5	hcs071h10	9913	SUPT7L	0.381302	1.11372	9.41023	9.24869	1.11848
7	hcs071h10	9913	SUPT7L	0.893845	0.150979	9.5319	9.50513	1.01873
5	hcs071h11	7704	ZBTB16	0.760489	0.348874	8.80643	8.78809	1.01279
1	hcs072a06	8661	EIF3A	0.762112	-0.346367	10.8267	10.7746	1.03674
3	hcs072a06	8661	EIF3A	0.219126	1.7678	11.3159	10.8666	1.36538
5	hcs072a06	8661	EIF3A	0.0600198	3.89572	11.1686	10.547	1.53858
7	hcs072a06	8661	EIF3A	0.971989	-0.0396293	10.2998	10.3108	-1.00765
1	hcs072a07	?	?	0.396945	-1.06913	9.89447	9.69906	1.14505
3	hcs072a07	?	?	0.625234	0.571661	10.0513	9.97519	1.05417
5	hcs072a07	?	?	0.232459	-1.6934	9.56167	9.62462	-1.0446
1	hcs072a09	90332	EXOC3L2	0.651396	-0.525997	9.80375	9.68156	1.08839
3	hcs072a09	90332	EXOC3L2	0.655236	0.519415	10.252	10.1336	1.08546
5	hcs072a09	90332	EXOC3L2	0.821756	0.256178	9.95373	9.92164	1.02249
1	hcs072a10	80381	CD276	0.121535	-2.60008	10.0648	9.72535	1.26527
3	hcs072a10	80381	CD276	0.947439	-0.0744354	9.98819	10.0004	-1.0085
5	hcs072a10	80381	CD276	0.179059	2.0332	9.94206	9.65226	1.22247
1	hcs072a12	4756	NEO1	0.675239	-0.485603	9.53579	9.4273	1.0781
3	hcs072a12	4756	NEO1	0.0197258	-7.01427	9.51869	9.81431	-1.22742
5	hcs072a12	4756	NEO1	0.979509	0.0289854	9.31761	9.31537	1.00156
7	hcs072a12	4756	NEO1	0.966593	-0.0472716	9.26543	9.2772	-1.00819
1	hcs072b04	5998	RGS3	0.378162	1.12292	12.6986	13.0227	0.798815
3	hcs072b04	5998	RGS3	0.738178	0.383656	12.8646	12.7956	1.04901
5	hcs072b04	5998	RGS3	0.313584	1.33488	12.9111	12.5285	1.30372
7	hcs072b04	5998	RGS3	0.0304395	5.59998	13.0337	12.3492	1.60714
1	hcs072b06	?	?	0.307997	1.35565	9.77041	9.85573	0.942578
5	hcs072b06	?	?	0.120348	-2.61558	9.66097	9.80859	-1.10774
1	hcs072b07	84300	C6orf125	0.192507	-1.93594	9.66146	9.47705	1.13635
3	hcs072b07	84300	C6orf125	0.188068	-1.96701	9.56642	9.69806	-1.09553
5	hcs072b07	84300	C6orf125	0.415849	1.01783	9.45147	9.28332	1.12361
1	hcs072b10	55191	NADSYN1	0.467656	-0.889335	9.34892	9.31692	1.02243
3	hcs072b10	55191	NADSYN1	0.695435	0.452204	9.46755	9.33977	1.09261
5	hcs072b10	55191	NADSYN1	0.0196198	7.03376	9.66932	9.27395	1.31528
7	hcs072b10	55191	NADSYN1	0.808138	0.27647	9.31935	9.2589	1.04279
5	hcs072b11	55661	DDX27	0.120468	2.614	9.24427	9.07237	1.12654
1	hcs072c03	10152	ABI2	0.359729	1.17878	9.54338	9.7627	0.858972
3	hcs072c03	10152	ABI2	0.766881	-0.339021	10.3289	10.4553	-1.09151
5	hcs072c03	10152	ABI2	0.111657	-2.73598	9.99972	10.4341	-1.35131
3	hcs072c04	100133172	FAM66A	0.230527	1.70383	10.4312	10.2139	1.16248
5	hcs072c04	100133172	FAM66A	0.577276	-0.659659	10.3565	10.5479	-1.14185
5	hcs072c05	51559	NT5DC3	0.865804	0.191514	10.4872	10.442	1.03181
1	hcs072c10			0.771364	0.332138	11.9931	12.0678	0.94954
3	hcs072c10			0.11147	2.73872	12.1643	11.9915	1.1273
5	hcs072c10			0.324249	1.29646	12.4388	12.3402	1.07073
7	hcs072c10			0.931522	0.0970702	11.7732	11.7532	1.01401

1	hcs072d06	10055	SAE1	0.10332	-2.86459	10.1543	9.9014	1.1916
3	hcs072d06	10055	SAE1	0.610996	-0.597171	10.0242	10.181	-1.11483
5	hcs072d06	10055	SAE1	0.763403	0.344376	9.98371	9.92059	1.04472
7	hcs072d06	10055	SAE1	0.869419	0.186265	9.46437	9.44971	1.01021
1	hcs072d08	25979	DHRS7B	0.250008	1.60353	10.0083	10.2134	0.867508
3	hcs072d08	25979	DHRS7B	0.649287	-0.529624	10.2155	10.3317	-1.08391
5	hcs072d08	25979	DHRS7B	0.162231	2.16983	10.5184	10.2211	1.22881
7	hcs072d08	25979	DHRS7B	0.472868	0.877255	9.88747	9.79171	1.06863
3	hcs072e01			0.4502	0.93085	10.0903	9.9367	1.11235
5	hcs072e01			0.926268	-0.104558	10.1893	10.2258	-1.02564
1	hcs072e05	?	?	0.487836	-0.843311	9.65689	9.408	1.18829
3	hcs072e05	?	?	0.528611	-0.755897	9.85276	10.0398	-1.13841
5	hcs072e05	?	?	0.236615	-1.67134	9.71593	9.92307	-1.1544
3	hcs072f01	79411	GLB1L	0.747643	-0.368824	10.7052	10.8893	-1.13611
1	hcs072f03	57634	EP400	0.0803683	-3.31114	9.76775	9.56909	1.14763
3	hcs072f03	57634	EP400	0.257204	-1.569	9.30731	9.70196	-1.31462
5	hcs072f03	57634	EP400	0.965311	0.0490876	9.8986	9.88759	1.00766
1	hcs072f12			0.230085	1.70623	9.05691	9.52611	0.722363
5	hcs072f12			0.575072	0.663855	9.11653	9.06634	1.0354
7	hcs072f12			0.370685	1.14519	9.28266	9.00598	1.2114
1	hcs072g02	5435	POLR2F	0.958585	-0.0586206	9.78594	9.77008	1.01105
3	hcs072g02	5435	POLR2F	0.764493	0.342697	10.4	10.3131	1.06207
5	hcs072g02	5435	POLR2F	0.470142	-0.883557	10.0174	10.1848	-1.12308
1	hcs072g03	5873	RAB27A	0.556548	-0.699696	9.95596	9.71162	1.18455
3	hcs072g03	5873	RAB27A	0.916173	0.118969	10.3652	10.3358	1.0206
5	hcs072g03	5873	RAB27A	0.29357	-1.41151	9.80401	10.132	-1.2553
1	hcs072g07	9100	USP10	0.945946	0.0765558	10.0665	10.0899	0.983877
3	hcs072g07	9100	USP10	0.794822	0.296473	10.4702	10.4142	1.03953
5	hcs072g07	9100	USP10	0.803681	0.283146	10.3882	10.3515	1.02576
1	hcs072g09	?	?	0.673057	0.489255	9.54435	9.62894	0.94305
3	hcs072g09	?	?	0.914965	0.120694	9.96294	9.9434	1.01364
5	hcs072g09	?	?	0.333825	1.26323	9.82854	9.58742	1.18191
7	hcs072g09	?	?	0.946508	0.0757582	9.458	9.44933	1.00603
1	hcs072g11	1638	DCT	0.11798	-2.64714	9.91648	9.66938	1.18682
3	hcs072g11	1638	DCT	0.196092	-1.91154	9.86831	10.1828	-1.24361
5	hcs072g11	1638	DCT	0.0800557	-3.31846	9.1941	9.41249	-1.16344
1	hcs072g12	?	?	0.420152	-1.00651	9.69671	9.63068	1.04683
3	hcs072g12	?	?	0.51747	-0.779102	9.80691	9.9918	-1.13673
5	hcs072g12	?	?	0.26603	1.5283	9.81051	9.57611	1.17642
7	hcs072g12	?	?	0.253151	1.58829	9.54746	9.42563	1.08812
1	hcs072h05	?	?	0.393675	-1.07829	11.5385	11.1653	1.2952
3	hcs072h05	?	?	0.174484	2.06857	12.0817	11.2563	1.77203
5	hcs072h05	?	?	0.10176	2.89029	11.8781	10.8745	2.005
7	hcs072h05	?	?	0.101262	2.89863	11.393	10.5666	1.77325
1	hcs072h07			0.535578	0.741623	9.41083	9.63053	0.858746
3	hcs072h07			0.622275	0.576923	9.89491	9.82832	1.04724
5	hcs072h07			0.0047729	-14.4227	9.51706	9.59438	-1.05506

7	hcs072h07			0.688404	0.463751	9.4597	9.44032	1.01353
1	hcs072h08	10984	KCNQ1OT1	0.203533	1.86275	9.36179	9.6635	0.811292
3	hcs072h08	10984	KCNQ1OT1	0.708034	0.431713	9.84683	9.81175	1.02461
5	hcs072h08	10984	KCNQ1OT1	0.960259	-0.0562461	9.39962	9.4013	-1.00116
7	hcs072h08	10984	KCNQ1OT1	0.768038	-0.337243	9.34071	9.39958	-1.04164
5	hcs072h12	?	?	0.161021	-2.1804	8.58145	9.19037	-1.52512
1	hcs073a02	3643	INSR	0.0284376	-5.80275	9.4939	9.12483	1.29152
5	hcs073a02	3643	INSR	0.946317	0.0760293	9.68884	9.67069	1.01266
1	hcs073a03	7629	ZNF76	0.424297	0.99573	9.24134	9.33217	0.938985
5	hcs073a03	7629	ZNF76	0.543825	-0.724954	9.66798	9.77618	-1.07789
3	hcs073a08	5257	PHKB	0.309504	1.35001	10.1302	9.96782	1.11914
5	hcs073a08	5257	PHKB	0.929935	0.099331	10.0286	10.0058	1.01599
1	hcs073a09	5531	PPP4C	0.464118	-0.897617	10.2169	10.1368	1.05706
3	hcs073a09	5531	PPP4C	0.120106	2.61876	10.458	10.4003	1.04082
5	hcs073a09	5531	PPP4C	0.382987	1.10882	10.2919	10.2465	1.03194
7	hcs073a09	5531	PPP4C	0.100633	2.90923	9.81289	9.69717	1.08352
3	hcs073a11	129563	DIS3L2	0.279416	-1.46972	9.63298	9.79893	-1.1219
5	hcs073a11	129563	DIS3L2	0.447824	-0.93663	9.57677	9.68699	-1.0794
5	hcs073b01	5996	RGS1	0.621352	-0.57857	10.2266	10.6121	-1.30635
5	hcs073b02	27303	RBMS3	0.865852	-0.191444	10.7345	10.8878	-1.11214
5	hcs073b04	80896	NPL	0.487505	-0.844051	9.90832	10.6511	-1.6734
1	hcs073b06	?	?	0.163835	2.156	10.6314	10.9053	0.827104
3	hcs073b06	?	?	0.927069	-0.103415	11.3961	11.4264	-1.02124
5	hcs073b06	?	?	0.352083	-1.20294	10.8356	11.1332	-1.22913
7	hcs073b06	?	?	0.378949	-1.12061	10.2199	10.3482	-1.09293
3	hcs073b08	55298	RNF121	0.844928	-0.22199	11.995	12.1146	-1.08641
5	hcs073b08	55298	RNF121	0.964345	0.0504555	10.6177	10.5847	1.02316
1	hcs073b09	79364	ZXDC	0.78811	0.30662	11.9932	12.0339	0.97216
3	hcs073b09	79364	ZXDC	0.309298	-1.35078	11.6686	11.9437	-1.21005
5	hcs073b09	79364	ZXDC	0.297748	-1.39499	11.8294	12.2401	-1.32936
7	hcs073b09	79364	ZXDC	0.0126348	-8.81192	10.8156	11.978	-2.23835
1	hcs073b12	5080	PAX6	0.898313	0.144557	10.5341	10.5727	0.973621
3	hcs073b12	5080	PAX6	0.393982	1.07743	10.8067	10.6506	1.11424
5	hcs073b12	5080	PAX6	0.277144	1.47942	10.7163	10.5757	1.10234
7	hcs073b12	5080	PAX6	0.0412913	-4.76746	9.88849	10.0611	-1.12708
5	hcs073c01	55293	UEVLD	0.812003	-0.270694	9.45567	9.5455	-1.06424
3	hcs073c04	444	ASPH	0.524721	-0.763946	10.7991	10.9457	-1.10698
5	hcs073c04	444	ASPH	0.550775	-0.711088	10.9515	11.2751	-1.2515
1	hcs073c05	27131	SNX5	0.814456	-0.267036	10.391	10.3641	1.01882
3	hcs073c05	27131	SNX5	0.468595	0.88715	10.8786	10.7082	1.1254
5	hcs073c05	27131	SNX5	0.157445	-2.21228	10.5905	10.8463	-1.19399
7	hcs073c05	27131	SNX5	0.520879	-0.771951	9.68672	9.86368	-1.1305
1	hcs073c06	?	?	0.84002	0.229198	9.96948	9.99922	0.979599
3	hcs073c06	?	?	0.729592	-0.397212	10.5062	10.6305	-1.08998
5	hcs073c06	?	?	0.33366	-1.2638	10.2697	10.562	-1.22454
1	hcs073c07	7412	VCAM1	0.756361	-0.355263	9.70168	9.57463	1.09206
3	hcs073c07	7412	VCAM1	0.163012	2.16308	10.4482	10.2169	1.17382

5	hcs073c07	7412	VCAM1	0.99648	-0.004978	9.63672	9.63713	-1.00028
1	hcs073c10	5018	OXA1L	0.436082	-0.965695	10.0599	9.85819	1.15006
3	hcs073c10	5018	OXA1L	0.0097562	10.0499	10.3978	10.0609	1.26305
5	hcs073c10	5018	OXA1L	0.138955	2.39456	10.025	9.74787	1.21178
7	hcs073c10	5018	OXA1L	0.778631	0.321028	9.79239	9.71426	1.05565
1	hcs073c11	4026	LPP	0.863064	0.195498	10.1654	10.1889	0.983875
3	hcs073c11	4026	LPP	0.613974	0.591795	10.6022	10.529	1.052
5	hcs073c11	4026	LPP	0.0780892	3.36544	10.2986	10.0424	1.19435
3	hcs073d01	?	?	0.164647	-2.14906	10.5518	10.7345	-1.13501
5	hcs073d01	?	?	0.801795	-0.285978	10.0807	10.1377	-1.04032
7	hcs073d01	?	?	0.897706	0.145429	9.66397	9.6275	1.02561
3	hcs073d06	55660	PRPF40A	0.24131	1.64701	11.3793	10.964	1.33356
5	hcs073d06	55660	PRPF40A	0.404853	-1.04734	10.3326	10.6521	-1.24791
7	hcs073d06	55660	PRPF40A	0.585465	-0.644197	9.83308	10.0512	-1.16322
1	hcs073d07	64781	CERK	0.366612	-1.15754	10.2982	10.0403	1.19576
3	hcs073d07	64781	CERK	0.22269	1.74734	10.9685	10.6629	1.23595
5	hcs073d07	64781	CERK	0.762548	-0.345695	10.5179	10.6083	-1.0647
7	hcs073d07	64781	CERK	0.333286	-1.26507	9.54745	10.004	-1.37222
1	hcs073d09	4323	MMP14	0.718765	-0.414454	11.116	10.9949	1.08754
3	hcs073d09	4323	MMP14	0.529654	0.753748	11.6836	11.4106	1.20829
5	hcs073d09	4323	MMP14	0.191113	-1.94559	11.1122	11.284	-1.12644
7	hcs073d09	4323	MMP14	0.157987	-2.20738	10.2909	10.5721	-1.21513
7	hcs073d10	8322	FZD4	0.282435	-1.457	10.5273	11.6998	-2.25395
5	hcs073d11	?	?	0.479195	0.862775	10.7268	10.376	1.27523
1	hcs073e02	23580	CDC42EP4	0.77402	0.32807	10.059	10.1119	0.963996
3	hcs073e02	23580	CDC42EP4	0.995241	-0.006729	10.066	10.0665	-1.00038
5	hcs073e02	23580	CDC42EP4	0.926755	-0.103863	10.2961	10.3108	-1.0103
7	hcs073e02	23580	CDC42EP4	0.382534	-1.11013	9.36881	9.59928	-1.17322
5	hcs073e03	?	?	0.39398	-1.07743	9.58008	10.1305	-1.46455
5	hcs073e07	9868	TOMM70A	0.609114	-0.600579	9.64979	10.2372	-1.50255
1	hcs073e10	5708	PSMD2	0.0011250	-29.7881	11.6465	11.4821	1.12067
3	hcs073e10	5708	PSMD2	0.218896	-1.76913	11.3774	11.6534	-1.21078
5	hcs073e10	5708	PSMD2	0.144361	-2.33794	11.2017	11.5456	-1.26912
7	hcs073e10	5708	PSMD2	0.0501217	-4.29701	10.3561	11.1045	-1.67984
3	hcs073e11	6426	SRSF1	0.362336	1.17068	10.5444	10.1874	1.28077
5	hcs073e11	6426	SRSF1	0.575757	0.662549	10.1106	9.90044	1.15678
1	hcs073e12	4850	CNOT4	0.630211	-0.562858	9.40738	9.24457	1.11947
3	hcs073e12	4850	CNOT4	0.752024	0.361997	9.57248	9.53953	1.02311
5	hcs073e12	4850	CNOT4	0.201969	1.87281	9.37405	9.19088	1.13537
5	hcs073f02	26058	GIGYF2	0.766791	-0.339159	10.9159	11.0992	-1.13545
5	hcs073f03	?	?	0.768196	-0.336999	9.92816	10.226	-1.22927
1	hcs073f04			0.550885	0.710872	10.2171	10.4164	0.870949
3	hcs073f04			0.715584	0.419551	10.9708	10.9037	1.04766
5	hcs073f04			0.323099	-1.30052	10.5438	11.0218	-1.39285
7	hcs073f04			0.210839	-1.81711	9.82633	10.1275	-1.23214
1	hcs073f05	23181	DIP2A	0.107788	-2.79391	11.2844	11.1087	1.12955
3	hcs073f05	23181	DIP2A	0.88296	-0.166665	11.3601	11.3933	-1.02323

5	hcs073f05	23181	DIP2A	0.248326	-1.61178	11.0463	11.5605	-1.42823
7	hcs073f05	23181	DIP2A	0.0279952	-5.85043	10.2991	10.9634	-1.58481
3	hcs073f06	?	?	0.791995	0.300741	10.693	10.6252	1.0481
5	hcs073f06	?	?	0.263393	-1.54027	9.95147	10.6311	-1.60169
7	hcs073f06	?	?	0.483936	-0.852051	9.39208	9.75288	-1.28413
5	hcs073f07	830	CAPZA2	0.68487	-0.469588	10.5812	10.9005	-1.24769
1	hcs073f09			0.740441	-0.380099	10.1204	10.0648	1.0393
3	hcs073f09			0.971716	0.0400151	10.6468	10.6407	1.00425
5	hcs073f09			0.218495	-1.77147	9.91246	10.1108	-1.14737
7	hcs073f09			0.350238	-1.20886	9.59967	9.88851	-1.22166
5	hcs073f11	79720	VPS37B	0.86822	-0.188004	9.93429	10.043	-1.07826
1	hcs073f12	399959	LOC399959	0.55812	-0.696612	10.0948	9.9138	1.13367
3	hcs073f12	399959	LOC399959	0.891499	-0.154354	10.2161	10.2579	-1.02937
5	hcs073f12	399959	LOC399959	0.306911	-1.35974	9.71564	9.98817	-1.20792
1	hcs073g03	26173	INTS1	0.943141	-0.0805413	10.0716	10.0538	1.01244
3	hcs073g03	26173	INTS1	0.171783	2.09004	10.4625	9.93759	1.4388
5	hcs073g03	26173	INTS1	0.267044	-1.52373	10.0686	10.4708	-1.32151
7	hcs073g03	26173	INTS1	0.335166	-1.25867	9.76033	9.91163	-1.11057
1	hcs073g05	?	?	0.599302	0.618496	9.58242	9.84918	0.831184
3	hcs073g05	?	?	0.568785	0.675899	10.4744	10.3052	1.12441
5	hcs073g05	?	?	0.340504	-1.24073	9.63779	10.4178	-1.71711
3	hcs073g06	10473	HMGNA4	0.259342	1.55898	10.5528	9.62603	1.90101
5	hcs073g06	10473	HMGNA4	0.437159	-0.962993	10.2713	10.6613	-1.31047
1	hcs073g07	51232	CRIM1	0.793043	0.299158	9.81114	9.89783	0.941681
3	hcs073g07	51232	CRIM1	0.920547	0.11272	10.3727	10.333	1.02785
5	hcs073g07	51232	CRIM1	0.357021	-1.18727	9.83327	10.0875	-1.19269
7	hcs073g07	51232	CRIM1	0.194092	-1.92508	9.64262	9.83083	-1.13935
5	hcs073g08			0.722233	-0.408913	10.1942	10.4185	-1.16816
1	hcs073g09	1192	CLIC1	0.295203	-1.40502	11.6493	11.2834	1.28869
3	hcs073g09	1192	CLIC1	0.259484	1.55831	12.0403	11.6404	1.31942
5	hcs073g09	1192	CLIC1	0.807745	0.277058	11.5263	11.4209	1.07577
7	hcs073g09	1192	CLIC1	0.394469	-1.07606	10.7738	10.9457	-1.12654
1	hcs073g11	8216	LZTR1	0.0380008	-4.98246	9.60488	9.41275	1.14245
3	hcs073g11	8216	LZTR1	0.548643	-0.715325	9.86047	10.1179	-1.19535
5	hcs073g11	8216	LZTR1	0.655542	0.518892	9.27581	9.20974	1.04686
1	hcs073h01	57179	KIAA1191	0.754695	0.357847	9.93424	10.0172	0.944106
5	hcs073h01	57179	KIAA1191	0.523536	-0.766408	10.5474	10.977	-1.34681
1	hcs073h02			0.772422	-0.330516	11.7239	11.7088	1.0105
3	hcs073h02			0.714292	0.421628	11.8251	11.795	1.02104
5	hcs073h02			0.0742033	-3.46349	11.7585	11.828	-1.04935
7	hcs073h02			0.228604	-1.71432	11.1597	11.4709	-1.2408
3	hcs073h04	728621	CCDC30	0.501073	0.814163	10.6914	10.5253	1.12206
5	hcs073h04	728621	CCDC30	0.533603	-0.745651	10.7938	11.1497	-1.27972
1	hcs073h05	828	CAPS	0.942743	-0.0811067	10.4389	10.4301	1.00611
3	hcs073h05	828	CAPS	0.634667	-0.555024	10.8943	10.9625	-1.04844
5	hcs073h05	828	CAPS	0.268506	-1.51718	10.4118	10.7112	-1.23066
7	hcs073h05	828	CAPS	0.415449	-1.01889	9.94828	10.0908	-1.10387



1	hcs073h06			0.997465	0.0035856	10.1031	10.1041	0.999293
3	hcs073h06			0.680604	-0.476661	10.7142	10.8343	-1.08681
5	hcs073h06			0.264627	-1.53465	10.2059	10.5926	-1.30738
7	hcs073h06			0.838048	-0.232099	9.64487	9.73259	-1.06268
1	hcs073h08	3654	IRAK1	0.0208886	-6.81017	11.1224	10.6856	1.35359
3	hcs073h08	3654	IRAK1	0.252424	1.5918	11.499	10.9667	1.44628
5	hcs073h08	3654	IRAK1	0.84288	-0.224996	10.8846	10.94	-1.03917
7	hcs073h08	3654	IRAK1	0.0745354	-3.45482	10.1643	10.6953	-1.44494
5	hcs073h12	214	ALCAM	0.587082	-0.641166	9.46632	9.69001	-1.16772
1	hcs074a01	64943	NT5DC2	0.938835	0.086663	10.0097	10.0463	0.974956
3	hcs074a01	64943	NT5DC2	0.78953	0.30447	9.90709	9.73913	1.12347
5	hcs074a01	64943	NT5DC2	0.0883417	3.13732	10.4409	9.90676	1.44808
7	hcs074a01	64943	NT5DC2	0.057505	3.98806	10.1365	9.42243	1.6404
5	hcs074a02	55000	TUG1	0.582824	0.649162	9.86416	9.7126	1.11077
3	hcs074a04	25909	AHCTF1	0.808326	-0.276189	9.91571	9.97899	-1.04484
5	hcs074a04	25909	AHCTF1	0.571355	0.670961	10.2091	10.0631	1.1065
1	hcs074a05	9849	ZNF518A	0.812398	0.270105	9.75913	9.80187	0.970809
3	hcs074a05	9849	ZNF518A	0.0909625	3.08502	9.97459	9.84062	1.09731
5	hcs074a05	9849	ZNF518A	0.0439907	-4.60905	9.59553	9.85216	-1.19468
5	hcs074b02	?	?	0.573605	-0.666654	9.85836	10.1197	-1.19858
5	hcs074b03	22909	FAN1	0.250097	-1.60309	9.98508	10.2554	-1.20612
1	hcs074b04	1264	CNN1	0.200757	1.88067	9.46985	9.69999	0.852554
3	hcs074b04	1264	CNN1	0.63338	0.557282	10.3052	10.2524	1.0373
5	hcs074b04	1264	CNN1	0.0439637	-4.61056	9.70002	9.78888	-1.06353
7	hcs074b04	1264	CNN1	0.494928	-0.827597	9.32002	9.55882	-1.18001
1	hcs074b05	8894	EIF2S2	0.596915	0.622893	9.88507	10.1273	0.84542
3	hcs074b05	8894	EIF2S2	0.935927	-0.0908001	10.55	10.5723	-1.01556
5	hcs074b05	8894	EIF2S2	0.188133	-1.96655	10.418	10.7207	-1.23346
1	hcs074b07	?	?	0.800521	0.287892	9.87183	9.9407	0.953385
3	hcs074b07	?	?	0.663907	-0.504665	10.2292	10.3305	-1.0727
5	hcs074b07	?	?	0.588553	0.638416	9.4986	9.36549	1.09666
7	hcs074b07	?	?	0.459512	0.908497	9.65142	9.4841	1.12297
5	hcs074b08	?	?	0.445284	-0.942847	9.5945	9.79249	-1.1471
5	hcs074c06	6648	SOD2	0.241416	1.64647	10.5175	9.72633	1.73053
3	hcs074c10			0.77108	-0.332573	9.88056	9.94406	-1.045
5	hcs074c10			0.632699	0.558478	9.37141	9.28761	1.0598
1	hcs074c11	6672	SP100	0.610999	0.597165	9.35997	9.55883	0.871241
3	hcs074c11	6672	SP100	0.997664	0.0033037	9.8062	9.80575	1.00031
5	hcs074c11	6672	SP100	0.368066	1.15312	9.79073	9.49374	1.22858
3	hcs074c12	?	?	0.183725	-1.99837	9.23484	9.36074	-1.09119
1	hcs074d03	6396	SEC13	0.105394	2.83126	10.1407	10.3813	0.84638
3	hcs074d03	6396	SEC13	0.382734	-1.10955	10.4368	10.5912	-1.11296
5	hcs074d03	6396	SEC13	0.360668	-1.17585	9.83072	10.1928	-1.28528
7	hcs074d03	6396	SEC13	0.609562	-0.599767	9.79444	9.90002	-1.07592
5	hcs074d08			0.230435	-1.70433	9.4813	9.80605	-1.25244
1	hcs074d12	6499	SKIV2L	0.766906	0.338983	9.31197	9.41383	0.931831
1	hcs074e02	1362	CPD	0.841044	0.227693	9.34053	9.42186	0.945188

3	hcs074e02	1362	CPD	0.566735	-0.679854	9.6395	9.76474	-1.09069
5	hcs074e02	1362	CPD	0.176012	-2.05662	9.66053	10.0957	-1.35211
1	hcs074e10	8500	PPFIA1	0.768303	-0.336835	9.55894	9.51183	1.03319
3	hcs074e10	8500	PPFIA1	0.260882	-1.55182	9.94759	10.1458	-1.14725
5	hcs074e10	8500	PPFIA1	0.329105	1.27946	9.64317	9.4463	1.14621
7	hcs074e10	8500	PPFIA1	0.210699	1.81796	9.48267	9.32088	1.11867
1	hcs074e11			0.423104	-0.99882	9.39064	8.93353	1.37279
3	hcs074e11			0.942818	-0.0810004	9.77938	9.79312	-1.00956
5	hcs074e11			0.97671	-0.0329463	9.43362	9.4434	-1.0068
5	hcs074f01	125228	C18orf19	0.554081	-0.704551	9.89683	10.0437	-1.10717
3	hcs074f03	?	?	0.185002	-1.98905	10.0333	10.417	-1.30463
5	hcs074f03	?	?	0.179942	-2.02652	9.89064	10.3476	-1.37268
1	hcs074f04	3340	NDST1	0.533908	0.745028	10.0364	10.1896	0.899255
3	hcs074f04	3340	NDST1	0.648231	-0.531442	10.1	10.2118	-1.0806
5	hcs074f04	3340	NDST1	0.372715	1.13909	10.3433	10.2635	1.05691
1	hcs074f08			0.609087	0.600627	9.54453	9.70701	0.89349
3	hcs074f08			0.281417	-1.46127	9.9817	10.1451	-1.11993
5	hcs074f08			0.28141	-1.4613	9.59019	9.65419	-1.04536
7	hcs074f08			0.835119	0.236412	9.37657	9.36196	1.01018
1	hcs074f09			0.134492	2.44365	9.71745	9.8408	0.918051
3	hcs074f09			0.12808	-2.5183	10.0253	10.1859	-1.11771
5	hcs074f09			0.857163	0.204095	9.70718	9.67293	1.02402
7	hcs074f09			0.753211	0.360152	9.557	9.5276	1.02059
1	hcs074f11	147929	ZNF565	0.63991	-0.545863	9.50162	9.31805	1.13569
3	hcs074f11	147929	ZNF565	0.749479	-0.36596	9.93422	10.0168	-1.05894
5	hcs074f11	147929	ZNF565	0.966443	-0.0474835	9.70737	9.71239	-1.00349
5	hcs074g03	?	?	0.125143	-2.55425	9.75629	10.3765	-1.53707
3	hcs074g04	3964	LGALS8	0.56883	-0.675812	9.38807	9.85031	-1.37768
5	hcs074g04	3964	LGALS8	0.382313	-1.11078	9.52259	10.1356	-1.52945
1	hcs074g08	808	CALM3	0.992705	0.0103176	10.7417	10.7443	0.998223
3	hcs074g08	808	CALM3	0.774014	-0.32808	10.7914	10.8322	-1.02873
5	hcs074g08	808	CALM3	0.830327	0.243484	10.7924	10.768	1.01703
7	hcs074g08	808	CALM3	0.0381748	-4.97042	10.0064	10.4541	-1.36383
5	hcs074h07	10391	CORO2B	0.636255	-0.552242	9.68883	9.84648	-1.11547
1	hcs074h08	57153	SLC44A2	0.81273	0.26961	9.73119	9.82236	0.938761
3	hcs074h08	57153	SLC44A2	0.0886108	-3.13185	9.86478	10.2238	-1.28252
5	hcs074h08	57153	SLC44A2	0.828383	0.246358	9.64569	9.60974	1.02523
1	hcs074h09	54676	GTPBP2	0.147648	2.30494	9.48453	9.74986	0.83201
3	hcs074h09	54676	GTPBP2	0.635207	0.554078	10.0099	9.91931	1.06482
5	hcs074h09	54676	GTPBP2	0.41935	1.00861	9.75478	9.63046	1.08999
1	hcs074h11	5176	SERPINF1	0.0896278	-3.11138	9.76908	9.45958	1.23928
5	hcs074h11	5176	SERPINF1	0.815937	0.264829	9.15317	9.12351	1.02077
3	hcs075a01	54978	C2orf18	0.916452	0.118569	10.297	10.2473	1.03506
1	hcs075a04			0.328565	-1.28134	9.98139	9.20613	1.7115
3	hcs075a04			0.935858	0.0908971	10.5224	10.5083	1.00982
5	hcs075a04			0.824957	-0.25143	10.545	10.5841	-1.02744
5	hcs075a07	?	?	0.401528	-1.05645	9.85535	9.91949	-1.04546

1	hcs075a09	6229	RPS24	0.34238	1.23451	12.3759	12.605	0.853147
3	hcs075a09	6229	RPS24	0.474927	-0.872522	11.7786	12.0584	-1.21405
5	hcs075a09	6229	RPS24	0.139278	-2.39109	12.1535	12.4451	-1.22403
7	hcs075a09	6229	RPS24	0.274277	-1.49178	11.4837	12.1865	-1.62766
1	hcs075a12	4337	MOCS1	0.28854	-1.43179	9.36802	9.17038	1.14682
3	hcs075a12	4337	MOCS1	0.0771408	-3.38871	9.44569	9.82766	-1.30313
5	hcs075a12	4337	MOCS1	0.824544	-0.252043	9.12513	9.14645	-1.01489
1	hcs075b01	172	AFG3L1P	0.142433	-2.35779	9.72962	9.24618	1.39808
5	hcs075b01	172	AFG3L1P	0.286178	1.44147	9.80104	9.62133	1.13266
1	hcs075b02	9752	PCDHA9	0.361434	1.17348	9.12971	9.42222	0.816479
3	hcs075b02	9752	PCDHA9	0.421082	-1.00408	8.88104	9.50303	-1.539
5	hcs075b02	9752	PCDHA9	0.224943	-1.73463	8.96428	9.63349	-1.5902
1	hcs075b03	143888	KDELC2	0.30021	-1.38539	9.5792	9.30094	1.21273
3	hcs075b03	143888	KDELC2	0.34926	-1.21202	9.36056	9.76161	-1.32047
7	hcs075b03	143888	KDELC2	0.721869	0.409494	9.37146	9.32337	1.0339
5	hcs075b11			0.875608	-0.177294	9.50122	9.5294	-1.01973
1	hcs075b12	?	?	0.127036	-2.53094	9.62567	9.2164	1.32801
3	hcs075b12	?	?	0.247069	1.618	9.55191	9.09249	1.37499
5	hcs075b12	?	?	0.178838	2.03489	9.72511	9.20273	1.43632
1	hcs075c02	205428	C3orf58	0.306683	-1.36061	10.2281	9.81908	1.32779
3	hcs075c02	205428	C3orf58	0.855657	0.206293	10.6297	10.6093	1.01419
5	hcs075c02	205428	C3orf58	0.331461	-1.27133	10.153	10.4946	-1.26713
1	hcs075c07	?	?	0.581785	0.651121	9.74216	9.8939	0.900166
3	hcs075c07	?	?	0.86506	0.192595	10.1794	10.1395	1.0281
5	hcs075c07	?	?	0.914535	0.12131	9.73687	9.71686	1.01396
7	hcs075c07	?	?	0.858766	-0.201757	9.4337	9.47582	-1.02963
3	hcs075c08	286451	YIPF6	0.679327	0.478785	10.0951	10.0132	1.05844
5	hcs075c08	286451	YIPF6	0.56309	0.686915	9.60148	9.49947	1.07327
5	hcs075c10	56894	AGPAT3	0.634012	0.556172	9.56	9.42826	1.09561
1	hcs075d04	5977	DPF2	0.719798	-0.412801	9.69692	9.55336	1.10463
1	hcs075d07	6397	SEC14L1	0.934789	-0.0924184	10.0554	10.0504	1.00346
3	hcs075d07	6397	SEC14L1	0.467015	-0.890833	10.4667	10.5984	-1.09556
5	hcs075d07	6397	SEC14L1	0.441756	0.951547	10.2079	9.96674	1.18196
1	hcs075d08	64792	RABL5	0.210423	-1.81965	9.45945	9.08797	1.29368
1	hcs075d11	85002	FAM86B1	0.703137	0.439647	12.5416	12.6615	0.920251
3	hcs075d11	85002	FAM86B1	0.525967	-0.761361	12.2943	12.4558	-1.11845
5	hcs075d11	85002	FAM86B1	0.0775971	3.37746	12.6245	12.1315	1.4073
7	hcs075d11	85002	FAM86B1	0.0142812	8.27803	12.8345	12.0681	1.7011
1	hcs075d12			0.403861	-1.05005	9.34727	9.14385	1.15143
5	hcs075d12			0.864945	-0.192762	9.18048	9.20807	-1.01931
1	hcs075e01			0.846906	0.21909	10.0397	10.0726	0.977485
1	hcs075e04	80762	NDFIP1	0.292557	1.41556	9.90771	9.97596	0.953794
3	hcs075e04	80762	NDFIP1	0.116374	2.66906	11.0786	10.9183	1.11752
5	hcs075e04	80762	NDFIP1	0.429247	-0.983006	10.5194	10.7644	-1.18512
7	hcs075e04	80762	NDFIP1	0.296445	-1.40011	9.55005	10.0457	-1.40993
1	hcs075e07	144438	LOC144438	0.292535	-1.41565	9.73763	9.64943	1.06304
3	hcs075e07	144438	LOC144438	0.950599	0.0699489	10.1705	10.1565	1.00978

5	hcs075e07	144438	LOC144438	0.122505	-2.58758	9.78589	9.81501	-1.02039
7	hcs075e07	144438	LOC144438	0.24097	1.64875	10.4467	10.1361	1.24022
1	hcs075e08	51465	UBE2J1	0.788733	0.305676	9.6764	9.73785	0.9583
3	hcs075e08	51465	UBE2J1	0.861135	-0.198306	10.209	10.252	-1.0302
5	hcs075e08	51465	UBE2J1	0.216525	-1.783	9.70399	9.92327	-1.16415
7	hcs075e08	51465	UBE2J1	0.338827	-1.24633	9.63697	10.0726	-1.35246
5	hcs075e11	202	AIM1	0.398319	1.06531	9.67415	9.61045	1.04514
1	hcs075f02			0.157792	2.20914	9.99057	10.1	0.926931
3	hcs075f02			0.218457	-1.77168	9.75991	10.0875	-1.25495
5	hcs075f02			0.171739	-2.0904	9.40069	10.0719	-1.59246
1	hcs075f05	9445	ITM2B	0.646675	0.534127	9.65913	9.77652	0.921852
3	hcs075f05	9445	ITM2B	0.791746	-0.301117	10.1899	10.2258	-1.02518
5	hcs075f05	9445	ITM2B	0.217119	1.77951	10.5199	10.2534	1.20287
7	hcs075f05	9445	ITM2B	0.0343372	5.25659	9.5523	9.25474	1.22906
5	hcs075f12	10695	CNPY3	0.705277	-0.436175	8.92987	9.00991	-1.05705
1	hcs075g02	801	CALM1	0.230715	-1.70281	9.94363	9.59857	1.27021
3	hcs075g02	801	CALM1	0.840715	-0.228177	10.2798	10.3364	-1.03997
5	hcs075g02	801	CALM1	0.643565	-0.539509	10.1233	10.3708	-1.18715
1	hcs075g03	29801	ZDHHC8	0.880311	0.170492	11.6212	11.6444	0.984025
3	hcs075g03	29801	ZDHHC8	0.37917	1.11996	11.8262	11.7213	1.07542
5	hcs075g03	29801	ZDHHC8	0.0726354	3.50517	12.0882	11.9629	1.09071
7	hcs075g03	29801	ZDHHC8	0.418622	-1.01052	11.1473	11.4484	-1.23208
5	hcs075g04	?	?	0.158873	2.19943	11.0104	10.7371	1.20856
1	hcs075g06	?	?	0.772781	-0.329967	10.0807	10.0514	1.02052
3	hcs075g06	?	?	0.428455	0.985029	10.4564	10.3521	1.07495
5	hcs075g06	?	?	0.98813	0.0167873	10.0096	10.0075	1.00148
7	hcs075g06	?	?	0.351138	-1.20597	9.62432	9.76762	-1.10443
1	hcs075g08	?	?	0.730825	-0.39526	11.5302	11.4641	1.04688
3	hcs075g08	?	?	0.643521	-0.539586	11.5324	11.6138	-1.05804
5	hcs075g08	?	?	0.803596	-0.283274	11.2276	11.2632	-1.02498
7	hcs075g08	?	?	0.511453	-0.79184	10.7132	11.0011	-1.22089
1	hcs075g09	23092	ARHGAP26	0.682098	-0.47418	12.5786	12.4855	1.06663
3	hcs075g09	23092	ARHGAP26	0.461585	-0.903587	12.1493	12.3117	-1.11912
5	hcs075g09	23092	ARHGAP26	0.886378	-0.161733	12.4521	12.472	-1.01389
7	hcs075g09	23092	ARHGAP26	0.458669	-0.9105	11.9607	12.2479	-1.22024
1	hcs075g10	22900	CARD8	0.663716	0.504987	12.0486	12.2398	0.875897
3	hcs075g10	22900	CARD8	0.248717	1.60986	12.3505	12.0156	1.26132
5	hcs075g10	22900	CARD8	0.576907	0.660362	12.091	11.8716	1.16425
7	hcs075g10	22900	CARD8	0.0213147	6.73953	12.3721	11.819	1.46724
1	hcs075g11	5080	PAX6	0.198291	1.89687	9.49174	9.57926	0.941141
3	hcs075g11	5080	PAX6	0.811389	-0.271611	9.91008	9.9333	-1.01623
5	hcs075g11	5080	PAX6	0.296383	1.40036	9.65782	9.47076	1.13844
7	hcs075g11	5080	PAX6	0.40934	1.0352	9.60454	9.46389	1.1024
1	hcs075g12	?	?	0.138469	-2.3998	9.52612	9.09548	1.34783
5	hcs075g12	?	?	0.184166	-1.99514	9.05068	9.38558	-1.26129
3	hcs075h06	64856	VWA1	0.360139	-1.1775	10.1377	10.2622	-1.09009
5	hcs075h06	64856	VWA1	0.674473	-0.486884	9.45404	9.52542	-1.05072

5	hcs075h07	6396	SEC13	0.875428	-0.177555	9.83543	9.84947	-1.00978
1	hcs075h08			0.262032	-1.54652	9.79718	9.69459	1.0737
3	hcs075h08			0.248792	-1.60949	9.93947	10.2393	-1.231
5	hcs075h08			0.41136	-1.02977	9.78996	9.94701	-1.11501
7	hcs075h08			0.0326168	5.40068	9.65744	9.46865	1.13981
1	hcs075h11	5862	RAB2A	0.578629	0.657092	14.4376	14.602	0.89232
5	hcs075h11	5862	RAB2A	0.088563	3.13282	14.4957	13.933	1.47696
7	hcs075h11	5862	RAB2A	0.0247436	6.23865	14.6052	13.8535	1.68378
1	hcs075h12	5175	PECAM1	0.361802	1.17234	9.68079	9.70618	0.982553
3	hcs075h12	5175	PECAM1	0.0488138	-4.35873	9.42346	9.87417	-1.36672
5	hcs075h12	5175	PECAM1	0.793757	-0.298081	9.57945	9.61979	-1.02836
7	hcs075h12	5175	PECAM1	0.886411	0.161685	9.50921	9.48932	1.01388
5	hcs076a02	5995	RGR	0.305225	-1.36613	9.76508	10.1548	-1.31011
1	hcs076a03	79572	ATP13A3	0.524757	0.763871	11.0405	11.2962	0.837581
3	hcs076a03	79572	ATP13A3	0.329033	1.27971	11.359	11.2019	1.11507
5	hcs076a03	79572	ATP13A3	0.0719951	3.52257	11.6659	11.4321	1.17593
7	hcs076a03	79572	ATP13A3	0.721767	-0.409657	10.9803	11.1912	-1.15741
1	hcs076a05	?	?	0.640869	0.544193	10.5001	10.655	0.898195
3	hcs076a05	?	?	0.565729	0.681799	11.0056	10.9773	1.01976
5	hcs076a05	?	?	0.225033	1.73412	10.7804	10.5628	1.1628
1	hcs076a06	26031	OSBPL3	0.388685	-1.09242	9.78337	9.6357	1.10778
3	hcs076a06	26031	OSBPL3	0.0264807	6.02247	10.5307	10.3992	1.09548
5	hcs076a06	26031	OSBPL3	0.121981	-2.59432	9.94018	10.0494	-1.07865
1	hcs076a07			0.659898	0.511466	10.0141	10.0835	0.953048
3	hcs076a07			0.9075	-0.131377	10.4054	10.4256	-1.0141
5	hcs076a07			0.789053	-0.305192	9.92593	9.96122	-1.02476
7	hcs076a07			0.710254	0.428128	9.75936	9.74014	1.01341
1	hcs076a09			0.62762	-0.567434	9.66601	9.45798	1.15511
3	hcs076a09			0.825687	-0.250348	10.1103	10.1452	-1.02453
5	hcs076a09			0.0675189	-3.65077	9.28492	9.49812	-1.15926
1	hcs076a11	?	?	0.85393	0.208814	9.51569	9.53895	0.984007
3	hcs076a11	?	?	0.162802	-2.16489	9.97253	10.2218	-1.18864
5	hcs076a11	?	?	0.347728	-1.21698	9.62862	9.71513	-1.0618
7	hcs076a11	?	?	0.419568	1.00804	9.59629	9.41775	1.13173
5	hcs076b04	?	?	0.276394	-1.48264	8.88713	9.3096	-1.34022
5	hcs076b07			0.967877	-0.0454518	8.9834	8.99076	-1.00511
1	hcs076b11	1982	EIF4G2	0.571652	0.670393	11.1044	11.2593	0.898174
3	hcs076b11	1982	EIF4G2	0.935976	0.0907292	10.7967	10.7716	1.01755
5	hcs076b11	1982	EIF4G2	0.150531	2.2768	11.4985	11.2293	1.20508
7	hcs076b11	1982	EIF4G2	0.343092	-1.23215	10.6019	10.9827	-1.30202
1	hcs076c03	7532	YWHAG	0.463863	0.898215	10.0795	10.1492	0.952858
3	hcs076c03	7532	YWHAG	0.0938086	3.03061	10.6876	10.4261	1.19875
5	hcs076c03	7532	YWHAG	0.00267541	19.2943	10.4422	10.2708	1.12618
7	hcs076c03	7532	YWHAG	0.716121	0.41869	9.80055	9.71868	1.05838
3	hcs076c04	?	?	0.577592	-0.65906	10.3176	10.4302	-1.08114
5	hcs076c04	?	?	0.480063	-0.860803	9.73403	10.0005	-1.20289
1	hcs076c08	?	?	0.45241	-0.925499	10.5284	10.2848	1.18397

3	hcs076c08	?	?	0.16417	2.15313	10.8651	10.5541	1.24054
5	hcs076c08	?	?	0.4839	0.852134	10.5115	10.2763	1.17712
7	hcs076c08	?	?	0.187393	-1.97182	9.65648	10.0277	-1.29345
1	hcs076d05	467	ATF3	0.952802	-0.0668226	10.1748	10.1702	1.0032
3	hcs076d05	467	ATF3	0.868416	0.187721	10.4612	10.4269	1.02405
5	hcs076d05	467	ATF3	0.290205	1.42503	10.2414	10.0119	1.17249
7	hcs076d05	467	ATF3	0.561344	-0.690314	9.79129	9.87695	-1.06117
1	hcs076d06	3417	IDH1	0.787375	-0.307734	14.3167	14.2439	1.05173
5	hcs076d07	51660	BRP44L	0.129787	-2.49793	9.22979	9.57364	-1.26914
1	hcs076d09	1653	DDX1	0.369449	-1.14892	9.64001	9.44396	1.14556
3	hcs076d09	1653	DDX1	0.40872	1.03686	9.85975	9.63152	1.1714
5	hcs076d09	1653	DDX1	0.481509	0.857527	9.4508	9.30038	1.1099
1	hcs076e01	7533	YWHAH	0.366361	-1.15831	10.3301	10.0881	1.18267
3	hcs076e01	7533	YWHAH	0.986358	-0.0192945	10.2469	10.2523	-1.00371
5	hcs076e01	7533	YWHAH	0.877594	0.17442	10.0412	10.0028	1.02697
3	hcs076e06	7155	TOP2B	0.277453	1.47809	10.3647	10.0944	1.20606
5	hcs076e06	7155	TOP2B	0.575728	-0.662603	9.97629	10.0391	-1.04449
1	hcs076e08	11017	SNRNP27	0.654577	-0.520543	9.598	9.53214	1.04671
3	hcs076e08	11017	SNRNP27	0.876361	-0.176203	10.22	10.2666	-1.03288
5	hcs076e08	11017	SNRNP27	0.430465	-0.979898	9.74248	9.80532	-1.04452
1	hcs076e12	9569	GTF2IRD1	0.753393	-0.35987	9.52321	9.43471	1.06327
3	hcs076e12	9569	GTF2IRD1	0.102606	-2.8763	9.60769	9.81668	-1.15588
5	hcs076e12	9569	GTF2IRD1	0.527761	-0.757651	9.31355	9.46053	-1.10725
1	hcs076f01	7582	ZNF33B	0.836643	0.234167	11.6241	11.6755	0.964977
3	hcs076f01	7582	ZNF33B	0.148562	-2.29593	11.561	11.702	-1.10267
5	hcs076f01	7582	ZNF33B	0.240203	-1.65269	11.9559	11.9998	-1.03092
7	hcs076f01	7582	ZNF33B	0.538425	-0.73584	11.7372	11.8613	-1.08983
3	hcs076f02	5069	PAPPA	0.0603782	3.88302	9.77163	9.70181	1.04959
5	hcs076f02	5069	PAPPA	0.0441651	-4.59931	9.59199	9.93091	-1.26481
1	hcs076f03	95	ACY1	0.337797	1.24979	9.64605	9.81396	0.890134
3	hcs076f03	95	ACY1	0.726558	-0.402028	9.88393	9.95985	-1.05403
5	hcs076f03	95	ACY1	0.17842	2.03807	9.70153	9.52962	1.12655
7	hcs076f03	95	ACY1	0.241156	1.6478	9.56935	9.39843	1.12577
1	hcs076f04	?	?	0.352713	1.20093	9.75645	9.86246	0.929152
3	hcs076f04	?	?	0.209313	-1.82647	9.65583	9.87652	-1.16529
5	hcs076f04	?	?	0.131032	-2.4833	9.6045	9.86074	-1.19436
1	hcs076f06	84337	ELOF1	0.753096	-0.36033	10.2034	10.151	1.03696
3	hcs076f06	84337	ELOF1	0.85819	-0.202597	10.4043	10.443	-1.02716
5	hcs076f06	84337	ELOF1	0.213447	1.80132	10.3936	10.1811	1.15864
7	hcs076f06	84337	ELOF1	0.155976	2.22566	9.83716	9.63017	1.15428
1	hcs076f07	7327	UBE2G2	0.148843	-2.29318	9.66906	9.31884	1.27475
3	hcs076f07	7327	UBE2G2	0.269071	-1.51467	9.8913	10.0546	-1.11987
5	hcs076f07	7327	UBE2G2	0.941405	0.0830086	9.52068	9.50577	1.01039
1	hcs076f12	10250	SRRM1	0.415747	-1.0181	9.85841	9.66805	1.14105
3	hcs076f12	10250	SRRM1	0.324796	-1.29453	9.43434	9.68581	-1.19042
5	hcs076f12	10250	SRRM1	0.227379	1.72107	9.79369	9.57341	1.16496
5	hcs076g01	64429	ZDHHC6	0.455749	-0.917472	9.78154	10.1346	-1.27729

1	hcs076g03	960	CD44	0.310534	1.34616	10.0739	10.2295	0.897765
3	hcs076g03	960	CD44	0.850142	-0.214351	10.4536	10.5157	-1.04398
5	hcs076g03	960	CD44	0.293747	-1.4108	10.1699	10.6732	-1.41752
1	hcs076g04	54930	HAUS4	0.932602	-0.0955325	10.9948	10.9696	1.01765
3	hcs076g04	54930	HAUS4	0.266808	1.52479	11.6925	11.2927	1.31939
5	hcs076g04	54930	HAUS4	0.136289	2.42362	11.7181	11.2652	1.36879
7	hcs076g04	54930	HAUS4	0.0885464	3.13316	11.1015	10.7462	1.27931
1	hcs076g05	151613	TTC14	0.670397	0.493718	11.7393	11.7717	0.977792
3	hcs076g05	151613	TTC14	0.81226	0.27031	11.7541	11.7064	1.03362
5	hcs076g05	151613	TTC14	0.915257	-0.120278	12.1253	12.1404	-1.0105
7	hcs076g05	151613	TTC14	0.249002	-1.60846	11.1989	11.4775	-1.21302
1	hcs076g07	10866	HCP5	0.968154	0.0450595	9.40071	9.40372	0.997916
3	hcs076g07	10866	HCP5	0.478061	0.865355	10.135	10.0336	1.07282
5	hcs076g07	10866	HCP5	0.897051	0.146369	9.97263	9.95867	1.00972
3	hcs076g11	4179	CD46	0.399046	1.0633	10.1921	9.79327	1.31847
5	hcs076g11	4179	CD46	0.473946	0.874774	10.0651	9.83607	1.17204
1	hcs076h02	6663	SOX10	0.18874	1.96224	9.47211	9.73603	0.83282
5	hcs076h02	6663	SOX10	0.713637	-0.42268	9.78586	9.8631	-1.055
1	hcs076h03	5595	MAPK3	0.414928	1.02027	9.59309	9.64725	0.963153
3	hcs076h03	5595	MAPK3	0.583253	-0.648355	9.89311	10.1164	-1.16737
5	hcs076h03	5595	MAPK3	0.133938	2.44991	10.1012	9.79539	1.23607
7	hcs076h03	5595	MAPK3	0.289902	1.42625	9.58015	9.45722	1.08894
5	hcs076h08			0.249779	1.60465	10.1831	9.32374	1.81423
1	hcs076h10	5932	RBBP8	0.879551	0.17159	9.5296	9.5389	0.993577
5	hcs076h10	5932	RBBP8	0.711731	-0.425747	9.11933	9.14285	-1.01644
1	hcs076h11	51148	CERCAM	0.0408916	4.79222	9.759	10.1391	0.768397
3	hcs076h11	51148	CERCAM	0.132483	-2.4665	9.75458	9.99366	-1.18024
5	hcs076h11	51148	CERCAM	0.955047	-0.0636375	10.1072	10.1238	-1.01161
7	hcs076h11	51148	CERCAM	0.0588653	-3.9374	9.65414	9.93265	-1.21295
1	hcs076h12	22872	SEC31A	0.326731	1.28773	9.54394	10.0022	0.727853
3	hcs076h12	22872	SEC31A	0.792503	-0.299973	9.91481	9.97013	-1.03909
5	hcs076h12	22872	SEC31A	0.277571	1.47758	10.2042	9.95869	1.18548
7	hcs076h12	22872	SEC31A	0.454941	-0.919409	9.54711	9.85224	-1.23554
1	hcs077a02	123	PLIN2	0.125285	2.55249	9.56071	10.6203	0.479779
3	hcs077a02	123	PLIN2	0.518649	-0.776625	10.3638	10.6582	-1.22637
5	hcs077a02	123	PLIN2	0.0115861	-9.2094	9.85774	10.9578	-2.14359
7	hcs077a02	123	PLIN2	0.0126477	-8.80733	9.53203	10.7053	-2.25522
1	hcs077a07			0.592069	0.631867	9.22212	9.49571	0.82726
3	hcs077a07			0.754645	-0.357925	9.7819	10.0334	-1.19043
5	hcs077a07			0.211079	-1.81565	9.39396	10.0454	-1.57071
3	hcs077a08	9295	SRSF11	0.646266	-0.534835	9.58734	9.9249	-1.26362
5	hcs077a08	9295	SRSF11	0.790623	-0.302816	9.76728	9.8428	-1.05374
5	hcs077a12	?	?	0.563044	-0.687005	9.62239	9.69952	-1.05491
5	hcs077b01	?	?	0.795957	-0.294761	10.4599	10.6706	-1.1572
1	hcs077b02			0.032027	-5.45269	10.1186	9.73102	1.30819
3	hcs077b02			0.301571	1.38013	10.4712	10.0341	1.35391
5	hcs077b02			0.0179668	7.35953	10.7406	9.61162	2.18709

7	hcs077b02			0.0157526	7.87309	9.97482	9.36435	1.52675
1	hcs077b03	55611	OTUB1	0.978339	0.0306404	10.3108	10.3162	0.99623
3	hcs077b03	55611	OTUB1	0.04805	4.3959	10.9906	10.6153	1.29706
5	hcs077b03	55611	OTUB1	0.902742	-0.138198	10.4705	10.5058	-1.02478
7	hcs077b03	55611	OTUB1	0.807914	-0.276806	9.93955	9.99959	-1.0425
1	hcs077b04	?	?	0.453243	0.92349	10.8647	11.1137	0.84146
3	hcs077b04	?	?	0.278328	1.47435	11.6505	11.3641	1.21959
5	hcs077b04	?	?	0.620893	0.579387	11.7228	11.5326	1.14092
7	hcs077b04	?	?	0.458438	0.91105	11.1217	10.9434	1.13158
1	hcs077b05			0.794122	0.297529	11.3529	11.4045	0.964866
3	hcs077b05			0.190683	1.94859	11.8539	11.637	1.16221
5	hcs077b05			0.0259274	6.08899	11.8811	11.5455	1.26187
7	hcs077b05			0.615254	0.58949	11.1427	10.9815	1.11822
5	hcs077b06	25854	FAM149A	0.550714	-0.711209	10.0355	10.1488	-1.08172
3	hcs077b08	6629	SNRPB2	0.52772	0.757735	10.499	10.3192	1.13271
5	hcs077b08	6629	SNRPB2	0.372003	-1.14123	10.3912	10.6856	-1.22639
1	hcs077b11	6470	SHMT1	0.172005	-2.08826	9.92165	9.44705	1.38954
5	hcs077b11	6470	SHMT1	0.253561	1.58632	9.61686	9.43611	1.13347
1	hcs077b12	57820	CCNB1IP1	0.96246	-0.0531266	9.574	9.56221	1.00821
5	hcs077b12	57820	CCNB1IP1	0.374061	-1.13507	9.42847	9.54115	-1.08123
5	hcs077c02	?	?	0.539633	-0.733396	10.0224	10.5777	-1.46941
5	hcs077c03	?	?	0.684025	-0.470985	9.90048	10.368	-1.38272
1	hcs077c06	57479	PRR12	0.739782	0.381134	9.62359	9.79445	0.888315
5	hcs077c06	57479	PRR12	0.63837	-0.548547	9.48984	9.60203	-1.08087
7	hcs077c06	57479	PRR12	0.97694	0.0326201	9.56327	9.55315	1.00703
3	hcs077c07	64800	EFCAB6	0.861615	0.197607	10.2509	10.1694	1.05812
5	hcs077c07	64800	EFCAB6	0.663953	-0.504586	9.96474	10.1252	-1.11766
7	hcs077c07	64800	EFCAB6	0.347772	-1.21684	9.27803	10.3855	-2.15461
5	hcs077c08			0.475152	0.872005	10.5708	10.2737	1.22867
3	hcs077c11	9989	PPP4R1	0.487781	0.843433	9.50174	9.41568	1.06146
1	hcs077c12	?	?	0.559737	-0.693448	9.93262	9.58317	1.27407
3	hcs077c12	?	?	0.355432	-1.19228	9.32802	9.85067	-1.43659
5	hcs077c12	?	?	0.719072	-0.413963	9.96427	10.0458	-1.05813
5	hcs077d01	23158	TBC1D9	0.681246	-0.475595	10.2269	10.5136	-1.21982
1	hcs077d02	23623	RUSC1	0.213408	1.80155	10.0693	10.3975	0.796513
3	hcs077d02	23623	RUSC1	0.919297	0.114505	10.6212	10.6063	1.01039
5	hcs077d02	23623	RUSC1	0.465265	-0.894925	10.7881	11.261	-1.38788
7	hcs077d02	23623	RUSC1	0.166757	-2.13125	9.67535	10.0536	-1.29979
1	hcs077d03	79689	STEAP4	0.184233	1.99466	10.4466	10.8897	0.735571
3	hcs077d03	79689	STEAP4	0.796171	0.294439	11.1442	11.073	1.05065
5	hcs077d03	79689	STEAP4	0.785038	-0.311279	10.8892	10.9918	-1.07375
7	hcs077d03	79689	STEAP4	0.265344	1.5314	10.3596	10.226	1.09706
5	hcs077d04	7503	XIST	0.689413	-0.462089	10.5694	10.8755	-1.23643
5	hcs077d06	8073	PTP4A2	0.69951	-0.445549	10.7022	10.8504	-1.10819
3	hcs077d07			0.511182	0.792417	10.835	10.5964	1.17983
5	hcs077d07			0.684792	-0.469717	10.4255	10.6557	-1.17294
5	hcs077d08	5906	RAP1A	0.985904	-0.0199371	10.6917	10.7048	-1.00916



1	hcs077d10	649	BMP1	0.316151	-1.32549	9.63392	9.38778	1.18603
3	hcs077d10	649	BMP1	0.379321	1.11951	10.1844	10.0587	1.09107
5	hcs077d10	649	BMP1	0.87301	0.181057	9.09985	9.08409	1.01098
1	hcs077d11			0.979899	-0.0284334	9.94771	9.94559	1.00147
3	hcs077d11			0.591097	0.633673	10.0578	9.98566	1.05131
5	hcs077d11			0.454783	0.919787	9.92182	9.88033	1.02918
1	hcs077e02	57472	CNOT6	0.0416284	4.74686	9.30631	9.89021	0.667156
5	hcs077e02	57472	CNOT6	0.495073	-0.827279	9.89115	10.1199	-1.1718
5	hcs077e05	27430	MAT2B	0.716307	-0.418393	10.1607	10.3126	-1.11101
1	hcs077e07	?	?	0.342081	1.2355	10.244	10.3714	0.915473
5	hcs077e07	?	?	0.921959	-0.110704	9.40197	9.42349	-1.01503
5	hcs077e08			0.58851	0.638497	9.67791	9.58589	1.06586
1	hcs077e11	256691	MAMDC2	0.210873	1.8169	11.8251	12.111	0.820211
3	hcs077e11	256691	MAMDC2	0.27478	-1.4896	11.5571	11.7447	-1.13884
5	hcs077e11	256691	MAMDC2	0.84064	-0.228287	12.0274	12.0582	-1.02163
7	hcs077e11	256691	MAMDC2	0.54417	-0.724262	11.5416	11.8097	-1.20425
5	hcs077f02	23213	SULF1	0.681476	-0.475212	10.4743	10.8358	-1.2847
7	hcs077f02	23213	SULF1	0.368575	-1.15157	9.24254	10.3167	-2.10547
5	hcs077f03	7419	VDAC3	0.509935	-0.795075	9.88153	10.5974	-1.64247
5	hcs077f04	2104	ESRRG	0.587102	-0.64113	9.97554	10.613	-1.55557
5	hcs077f05	83860	TAF3	0.776084	-0.324915	10.7385	10.8889	-1.10983
1	hcs077f10	10248	POP7	0.0254746	-6.14501	9.9582	9.66093	1.22882
3	hcs077f10	10248	POP7	0.596217	0.624181	10.5705	10.4169	1.11239
5	hcs077f10	10248	POP7	0.323888	-1.29773	9.95833	10.1972	-1.18011
7	hcs077f10	10248	POP7	0.198495	-1.89552	9.19917	9.54785	-1.2734
1	hcs077f12	?	?	0.065205	3.72198	9.32644	9.47736	0.900676
1	hcs077g02	?	?	0.146232	2.31902	9.64007	10.2528	0.653952
5	hcs077g02	?	?	0.157569	-2.21115	10.1998	10.3434	-1.10466
7	hcs077g02	?	?	0.451236	0.928339	9.70084	9.50337	1.14669
3	hcs077g05	1036	CDO1	0.589868	-0.635963	9.66333	9.88604	-1.16692
5	hcs077g05	1036	CDO1	0.919784	-0.113809	10.0307	10.0626	-1.02234
1	hcs077g06	29882	ANAPC2	0.456485	0.91571	9.85302	10.1181	0.832139
3	hcs077g06	29882	ANAPC2	0.762125	-0.346347	10.1409	10.226	-1.06078
5	hcs077g06	29882	ANAPC2	0.0923051	-3.05906	9.95343	10.404	-1.36662
3	hcs077g08	8938	BAIAP3	0.855804	-0.206077	10.4064	10.4587	-1.03691
5	hcs077g08	8938	BAIAP3	0.143637	-2.34535	9.58106	9.95431	-1.29527
1	hcs077g10	339044	PKD1P1	0.777907	-0.322132	10.1586	10.0769	1.05826
3	hcs077g10	339044	PKD1P1	0.497261	0.822477	10.3511	10.2221	1.09352
5	hcs077g10	339044	PKD1P1	0.249853	1.60429	10.2103	9.99564	1.1604
7	hcs077g10	339044	PKD1P1	0.430687	-0.979334	9.61651	9.6795	-1.04463
5	hcs077h02	11215	AKAP11	0.925058	-0.106283	10.7023	10.7968	-1.06769
1	hcs077h03			0.304467	1.36902	9.73686	9.91507	0.883801
3	hcs077h03			0.442383	0.949995	10.4455	10.2646	1.13359
5	hcs077h03			0.694501	-0.453732	9.79455	9.9194	-1.09039
7	hcs077h03			0.279142	-1.47089	9.48375	9.81492	-1.25804
1	hcs077h04			0.236909	-1.66979	9.95087	9.72871	1.16648
3	hcs077h04			0.70496	0.43669	10.736	10.6759	1.04255

5	hcs077h04			0.376353	-1.12826	10.795	10.8781	-1.05935
5	hcs077h06	4205	MEF2A	0.736065	-0.386983	10.7465	10.9252	-1.13185
3	hcs077h07	10505	SEMA4F	0.930641	0.098325	10.4493	10.4065	1.03012
5	hcs077h07	10505	SEMA4F	0.403909	-1.04992	10.4118	10.6454	-1.17581
5	hcs077h08	4928	NUP98	0.876694	-0.175722	10.2043	10.268	-1.04515
5	hcs078a03	5073	PARN	0.582773	-0.649259	10.1837	10.7972	-1.53004
1	hcs078a04	?	?	0.0781549	3.36384	11.2542	11.5181	0.832814
5	hcs078a04	?	?	0.46156	0.903644	11.828	11.6444	1.13571
7	hcs078a04	?	?	0.131214	-2.48118	10.995	11.2948	-1.23095
1	hcs078a05	23352	UBR4	0.591333	0.633233	10.1409	10.4364	0.814811
3	hcs078a05	23352	UBR4	0.536749	0.739241	10.5717	10.4263	1.10607
5	hcs078a05	23352	UBR4	0.0421456	4.71572	10.68	10.5581	1.08814
7	hcs078a05	23352	UBR4	0.258001	-1.56525	9.97328	10.1326	-1.11676
3	hcs078a09	427	ASAH1	0.95096	-0.0694369	9.37017	9.42715	-1.04029
1	hcs078b02	?	?	0.792197	0.300436	10.1901	10.2898	0.933236
3	hcs078b02	?	?	0.227484	1.72049	10.895	10.5668	1.25551
5	hcs078b02	?	?	0.544321	-0.723958	10.5093	10.8523	-1.26846
7	hcs078b02	?	?	0.294364	-1.40835	9.67047	10.0067	-1.26244
5	hcs078b03	4958	OMD	0.930306	0.0988019	10.9705	10.8983	1.05129
1	hcs078b04	23399	CTDNBP1	0.772938	0.329727	10.2858	10.351	0.955841
3	hcs078b04	23399	CTDNBP1	0.0837986	3.23346	10.8082	10.5184	1.22241
5	hcs078b04	23399	CTDNBP1	0.100506	2.91137	10.8096	10.6133	1.14573
7	hcs078b04	23399	CTDNBP1	0.651665	-0.525535	10.0865	10.1527	-1.04701
5	hcs078b05	25943	C20orf194	0.737045	-0.385438	10.5396	10.7506	-1.15752
1	hcs078b06	29920	PYCR2	0.543277	0.726053	9.91745	10.0455	0.915044
3	hcs078b06	29920	PYCR2	0.805369	-0.280616	10.4556	10.5282	-1.05159
5	hcs078b06	29920	PYCR2	0.274381	-1.49133	10.1217	10.3282	-1.1539
7	hcs078b06	29920	PYCR2	0.306255	1.36223	9.58397	9.3622	1.16616
1	hcs078b07	5332	PLCB4	0.376166	1.12882	10.5687	11.0553	0.713723
3	hcs078b07	5332	PLCB4	0.411053	1.03059	11.4001	11.1274	1.20801
5	hcs078b07	5332	PLCB4	0.592601	-0.630878	11.0029	11.1653	-1.11914
7	hcs078b07	5332	PLCB4	0.237516	-1.66662	9.79358	10.7732	-1.97197
5	hcs078b09	79047	KCTD15	0.801363	-0.286627	10.1851	10.3782	-1.14322
5	hcs078b10	?	?	0.949378	-0.0716826	9.98103	10.0181	-1.02602
5	hcs078c06	?	?	0.558007	-0.696834	9.89303	10.014	-1.08745
1	hcs078c09	3106	HLA-B	0.118421	2.6412	11.1328	11.6775	0.685534
3	hcs078c09	3106	HLA-B	0.204076	-1.85929	11.3725	11.486	-1.08182
5	hcs078c09	3106	HLA-B	0.913353	-0.123	11.6477	11.6756	-1.01948
7	hcs078c09	3106	HLA-B	0.64502	-0.536989	11.0773	11.2213	-1.10496
1	hcs078c11	22820	COPG	0.0066085	12.2402	9.94124	10.3348	0.761231
3	hcs078c11	22820	COPG	0.730814	-0.395278	10.1213	10.237	-1.08348
5	hcs078c11	22820	COPG	0.285629	1.44373	10.5112	10.2344	1.21153
7	hcs078c11	22820	COPG	0.75372	0.359362	10.1075	10.0229	1.06044
5	hcs078c12	4147	MATN2	0.478406	-0.864569	9.36717	9.78795	-1.33865
1	hcs078d01	89853	FAM125B	0.995422	-0.0064741	10.0432	10.042	1.00084
3	hcs078d01	89853	FAM125B	0.444274	-0.945331	10.2891	10.7353	-1.36236
5	hcs078d01	89853	FAM125B	0.84696	-0.219011	11.2246	11.3163	-1.06566

5	hcs078d02	?	?	0.856077	0.205679	11.3156	11.1983	1.08467
1	hcs078d06	10404	PGCP	0.354979	-1.19372	9.89187	9.64085	1.19005
3	hcs078d09	2805	GOT1	0.559223	0.694453	10.2938	10.121	1.12719
5	hcs078d09	2805	GOT1	0.651009	-0.526661	10.3329	10.5727	-1.18077
7	hcs078d09	2805	GOT1	0.355118	-1.19328	9.1418	10.1961	-2.07673
3	hcs078d10	?	?	0.771987	0.331184	10.0592	9.82578	1.17559
5	hcs078d10	?	?	0.709955	0.42861	9.61822	9.32601	1.22452
1	hcs078d11	51116	MRPS2	0.0242558	-6.30344	9.75438	9.59464	1.11709
3	hcs078d11	51116	MRPS2	0.202582	1.86886	10.2181	10.0474	1.12556
5	hcs078d11	51116	MRPS2	0.188891	-1.96118	9.56548	9.72329	-1.11559
7	hcs078d11	51116	MRPS2	0.221529	-1.75396	9.40671	9.66548	-1.19646
1	hcs078e03	8396	PIP4K2B	0.351091	-1.20612	9.62527	9.49865	1.09173
3	hcs078e03	8396	PIP4K2B	0.0159482	7.8235	10.0233	9.64349	1.30114
5	hcs078e03	8396	PIP4K2B	0.0264121	6.0306	9.86349	9.60271	1.19812
3	hcs078e05	84924	ZNF566	0.918539	-0.115588	10.1932	10.2314	-1.02682
5	hcs078e05	84924	ZNF566	0.110391	-2.75462	9.83433	10.5336	-1.62366
3	hcs078e06	84286	TMEM175	0.735803	-0.387395	9.71343	9.81126	-1.07016
5	hcs078e06	84286	TMEM175	0.586587	-0.642094	9.87435	9.99677	-1.08855
3	hcs078e12	81628	TSC22D4	0.83976	-0.22958	9.53223	9.59981	-1.04796
5	hcs078f02	26266	SLC13A4	0.729448	-0.397441	10.3233	10.5808	-1.19537
5	hcs078f03	?	?	0.965045	0.0494643	10.9468	10.9165	1.02122
3	hcs078f05	6430	SRSF5	0.0786796	3.35116	11.4533	10.7462	1.63253
5	hcs078f05	6430	SRSF5	0.546071	-0.720455	10.9462	11.2731	-1.25435
7	hcs078f05	6430	SRSF5	0.123093	-2.58007	10.0533	10.436	-1.30381
1	hcs078f06	1488	CTBP2	0.578494	0.657348	10.0266	10.1896	0.893184
3	hcs078f06	1488	CTBP2	0.823936	0.252943	10.8426	10.7672	1.05364
5	hcs078f06	1488	CTBP2	0.370432	-1.14595	10.6477	10.9621	-1.24351
7	hcs078f06	1488	CTBP2	0.731255	-0.394579	9.88674	10.0077	-1.08746
5	hcs078f08	64318	NOC3L	0.97364	-0.037291	10.6156	10.6412	-1.01787
1	hcs078g04	124491	TMEM170A	0.673732	0.488124	10.0209	10.1307	0.92674
3	hcs078g04	124491	TMEM170A	0.999979	2.94e-005	10.5289	10.5289	1
5	hcs078g04	124491	TMEM170A	0.254094	-1.58377	10.1487	10.548	-1.31884
7	hcs078g04	124491	TMEM170A	0.583789	0.647347	9.7049	9.52979	1.12905
3	hcs078g05	10898	CPSF4	0.963178	-0.0521094	10.3869	10.4039	-1.01183
5	hcs078g05	10898	CPSF4	0.368051	-1.15316	10.2411	10.6899	-1.36494
1	hcs078g11	4722	NDUFS3	0.0472801	-4.43426	9.96588	9.66889	1.22858
3	hcs078g11	4722	NDUFS3	0.847098	-0.218808	9.88088	9.91586	-1.02454
5	hcs078g11	4722	NDUFS3	0.375547	1.13065	9.84694	9.64183	1.15278
7	hcs078g11	4722	NDUFS3	0.232251	1.69451	9.56582	9.44271	1.08909
1	hcs078h02	5447	POR	0.484687	0.850362	9.98134	10.3495	0.774767
5	hcs078h02	5447	POR	0.360037	-1.17782	10.3999	10.8087	-1.32762
5	hcs078h04	8518	IKBKAP	0.245935	-1.62364	9.43797	10.6219	-2.27191
5	hcs078h05	51566	ARMCX3	0.601412	-0.614622	10.349	10.8243	-1.39026
7	hcs078h05	51566	ARMCX3	0.325573	-1.29179	9.32032	10.5686	-2.37559
5	hcs078h07	267002	PGBD2	0.704287	-0.437781	10.3413	10.6249	-1.21722
1	hcs078h08	23474	ETHE1	0.286255	-1.44115	9.98636	9.90409	1.05868
3	hcs078h08	23474	ETHE1	0.349176	1.21229	10.5432	10.2427	1.23158

5	hcs078h08	23474	ETHE1	0.316963	-1.32254	10.4171	10.6325	-1.16102
5	hcs078h09	?	?	0.971906	0.0397469	10.475	10.4462	1.0202
1	hcs078h12			0.308142	-1.35511	10.2449	9.73416	1.42478
1	hcs079a01	4259	MGST3	0.200997	-1.87911	10.0595	9.90574	1.11247
3	hcs079a01	4259	MGST3	0.0616031	3.84042	10.5849	10.283	1.23274
5	hcs079a01	4259	MGST3	0.255862	1.57534	10.2568	10.0226	1.17621
7	hcs079a01	4259	MGST3	0.369197	1.14968	9.7977	9.58912	1.15555
3	hcs079a02	996	CDC27	0.111591	2.73693	10.3046	10.0944	1.1568
5	hcs079a02	996	CDC27	0.51595	-0.782307	10.1971	10.3895	-1.14269
5	hcs079a05	53938	PPIL3	0.213294	-1.80224	10.6569	10.8368	-1.13279
1	hcs079a07	64598	MOSPD3	0.702851	0.440112	10.1525	10.2011	0.966903
3	hcs079a07	64598	MOSPD3	0.424748	0.994563	10.7094	10.583	1.09152
5	hcs079a07	64598	MOSPD3	0.433073	0.973278	10.3653	10.2746	1.06494
7	hcs079a07	64598	MOSPD3	0.898745	0.143935	9.90564	9.88274	1.016
1	hcs079a10	8767	RIPK2	0.8469	0.2191	9.59438	9.63413	0.972826
3	hcs079a10	8767	RIPK2	0.319	1.31517	10.0001	9.68595	1.24324
5	hcs079a10	8767	RIPK2	0.0759684	-3.41806	9.79329	9.95766	-1.12067
3	hcs079b07	90933	TRIM41	0.310966	-1.34456	9.40964	9.50835	-1.07082
1	hcs079c03	?	?	0.290328	1.42453	10.0282	10.2252	0.872393
3	hcs079c03	?	?	0.792884	0.299399	10.433	10.3601	1.05182
5	hcs079c03	?	?	0.737366	-0.384933	10.2735	10.3329	-1.04203
7	hcs079c03	?	?	0.276906	-1.48043	9.74116	10.1264	-1.30605
1	hcs079c05	3106	HLA-B	0.232372	1.69386	11.7748	12.1167	0.788983
3	hcs079c05	3106	HLA-B	0.969806	0.0427196	11.407	11.4002	1.00475
5	hcs079c05	3106	HLA-B	0.824031	0.252802	11.8787	11.8035	1.05353
7	hcs079c05	3106	HLA-B	0.646428	-0.534555	11.4207	11.5896	-1.12425
1	hcs079d01	3151	HMG2	0.0503601	-4.28601	10.817	10.5284	1.22142
3	hcs079d01	3151	HMG2	0.437805	-0.961377	10.1865	10.5243	-1.26386
5	hcs079d01	3151	HMG2	0.15005	-2.28145	10.1673	10.53	-1.28581
7	hcs079d01	3151	HMG2	0.112201	-2.72806	9.39139	10.3983	-2.0096
3	hcs079d03	153642	ARSK	0.0232217	-6.44741	9.37944	9.70514	-1.25327
1	hcs079e02	10150	MBNL2	0.828612	0.246019	9.8803	9.9923	0.925303
3	hcs079e02	10150	MBNL2	0.247715	1.6148	10.7388	10.4267	1.24152
5	hcs079e02	10150	MBNL2	0.253286	1.58764	10.5439	10.2167	1.25456
3	hcs079e06	5015	OTX2	0.17248	2.08446	10.8371	10.2761	1.47534
5	hcs079e06	5015	OTX2	0.492499	0.832952	10.3979	10.2433	1.11313
5	hcs079e07	26037	SIPA1L1	0.536915	-0.738904	9.77248	9.81538	-1.03019
5	hcs079e12	?	?	0.961068	-0.0550998	9.35572	9.36314	-1.00516
5	hcs079f02	5784	PTPN14	0.414079	-1.02252	9.49093	9.67406	-1.13534
5	hcs079f04	55596	ZCCHC8	0.242273	-1.6421	8.75593	9.38147	-1.54279
5	hcs079g03	?	?	0.328979	-1.2799	9.78296	10.2157	-1.34983
1	hcs079g04	200942	KLHDC8B	0.400387	-1.05959	9.87554	9.71919	1.11446
5	hcs079g04	200942	KLHDC8B	0.428814	-0.984111	10.0602	10.1385	-1.0558
1	hcs079h02	56204	KIAA1370	0.210095	-1.82166	13.617	13.0286	1.50361
5	hcs079h02	56204	KIAA1370	0.120264	2.61668	13.6001	12.8301	1.70535
5	hcs079h07	22808	MRAS	0.857898	-0.203023	9.92112	9.98694	-1.04668
5	hcs079h08	56034	PDGFC	0.752799	0.360792	9.38559	9.32584	1.04228

5	hcs079h12	4140	MARK3	0.0012251	28.5429	9.52927	9.11783	1.33001
3	hcs080a01			0.938196	0.0875715	9.9501	9.93464	1.01078
5	hcs080a01			0.844729	0.222282	10.2554	10.1218	1.09703
1	hcs080a02	80335	WDR82	0.614195	-0.591397	9.52994	9.45754	1.05147
3	hcs080a02	80335	WDR82	0.0057438	13.1378	10.3841	10.2251	1.1165
5	hcs080a02	80335	WDR82	0.710621	-0.427536	10.2816	10.401	-1.08623
7	hcs080a02	80335	WDR82	0.116306	-2.67	9.22836	9.56052	-1.25889
3	hcs080a03	1615	DARS	0.180387	2.02317	10.4637	10.1592	1.23495
1	hcs080a06	10212	DDX39	0.302206	-1.37768	10.1198	9.74107	1.3002
3	hcs080a06	10212	DDX39	0.700613	0.443751	10.2262	10.1236	1.07371
5	hcs080a06	10212	DDX39	0.299757	1.38715	9.91681	9.76216	1.11315
7	hcs080a06	10212	DDX39	0.60746	-0.603582	9.50412	9.58555	-1.05807
3	hcs080b02	?	?	0.587449	-0.640481	9.22311	9.36745	-1.10522
3	hcs080b06	7443	VRK1	0.505244	-0.805138	11.2115	11.4555	-1.18423
5	hcs080b07	55683	KIAA1310	0.957978	0.0594811	8.94579	8.92605	1.01378
3	hcs080b08	?	?	0.295391	-1.40427	9.53533	9.84449	-1.23899
5	hcs080b08	?	?	0.881291	-0.169075	9.45109	9.47278	-1.01515
7	hcs080b08	?	?	0.534461	0.7439	9.6116	9.48224	1.09381
5	hcs080b10	114049	WBSCR22	0.318425	1.31725	9.27139	8.987	1.2179
1	hcs080c03	80173	IFT74	0.891199	-0.154786	10.383	10.369	1.00976
3	hcs080c03	80173	IFT74	0.838852	0.230916	10.4967	10.4478	1.03446
5	hcs080c03	80173	IFT74	0.60635	-0.605602	10.0224	10.2579	-1.1773
5	hcs080c08	10098	TSPAN5	0.75606	0.355729	10.1806	10.1376	1.03025
5	hcs080c09	6542	SLC7A2	0.547626	0.71735	9.87298	9.72059	1.11141
3	hcs080c11	7319	UBE2A	0.646016	-0.535266	9.63396	9.75824	-1.08996
5	hcs080c11	7319	UBE2A	0.140247	2.38075	9.48634	9.27632	1.15671
1	hcs080d04	302	ANXA2	0.45554	0.917972	11.0041	11.1071	0.931074
3	hcs080d04	302	ANXA2	0.773393	-0.32903	11.8677	11.9358	-1.04831
5	hcs080d04	302	ANXA2	0.243866	1.63403	11.6829	11.3257	1.28094
7	hcs080d04	302	ANXA2	0.0840309	-3.22836	10.8904	11.2191	-1.25588
3	hcs080d07			0.454759	0.919845	12.1116	11.648	1.37895
5	hcs080d07			0.196798	1.90681	12.1825	11.4331	1.68105
7	hcs080d07			0.874269	0.179233	11.1902	11.1427	1.0335
1	hcs080d12	252839	TMEM9	0.873008	0.18106	9.62278	9.63531	0.991352
3	hcs080d12	252839	TMEM9	0.945425	-0.0772966	9.58065	9.59746	-1.01172
5	hcs080d12	252839	TMEM9	0.45693	0.914646	9.90804	9.74467	1.1199
7	hcs080d12	252839	TMEM9	0.684917	0.469509	9.61477	9.50191	1.08136
1	hcs080e02	6810	STX4	0.263052	-1.54184	10.2432	9.76747	1.39062
3	hcs080e02	6810	STX4	0.268015	1.51938	10.5517	10.2364	1.24428
5	hcs080e02	6810	STX4	0.713191	-0.423397	10.2427	10.3286	-1.06136
1	hcs080e11	7323	UBE2D3	0.55568	-0.701402	10.298	10.1837	1.08248
3	hcs080e11	7323	UBE2D3	0.762666	-0.345514	10.3535	10.411	-1.0407
5	hcs080e11	7323	UBE2D3	0.218518	1.77133	10.5389	10.2177	1.24941
7	hcs080e11	7323	UBE2D3	0.273634	-1.49458	9.74055	10.0603	-1.24812
1	hcs080f01			0.547462	0.717677	9.1842	9.21932	0.975948
1	hcs080f06	5566	PRKACA	0.478828	-0.863608	10.0188	9.9719	1.03304
3	hcs080f06	5566	PRKACA	0.673096	0.489189	10.1196	10.0595	1.04255

5	hcs080f06	5566	PRKACA	0.0846211	3.2155	10.0953	9.86147	1.17598
7	hcs080f06	5566	PRKACA	0.653133	0.523015	9.71385	9.58539	1.09313
1	hcs080g04	3119	HLA-DQB1	0.343637	-1.23036	10.0673	9.81085	1.19454
3	hcs080g04	3119	HLA-DQB1	0.705613	-0.435631	10.0469	10.1152	-1.0485
5	hcs080g04	3119	HLA-DQB1	0.743773	-0.374874	10.0415	10.1603	-1.08579
3	hcs080g05	23384	SPECC1L	0.71404	0.422031	10.0746	9.91962	1.11343
3	hcs080g10	100129034	LOC100129034	0.501111	0.81408	10.2937	10.093	1.14928
1	hcs080g12	1303	COL12A1	0.448051	-0.936076	9.87376	9.55255	1.24938
3	hcs080g12	1303	COL12A1	0.086981	3.16536	10.3542	9.80826	1.46
5	hcs080g12	1303	COL12A1	0.0487965	4.35956	10.783	9.39729	2.61301
7	hcs080g12	1303	COL12A1	0.12077	2.61005	10.2421	9.45033	1.73121
5	hcs080h02	57018	CCNL1	0.499236	-0.81816	9.05537	9.46331	-1.32679
1	hcs080h03	7469	WHSC2	0.951662	0.0684398	9.31632	9.34216	0.982246
3	hcs080h03	7469	WHSC2	0.36841	-1.15207	10.1959	10.3778	-1.13438
5	hcs080h03	7469	WHSC2	0.284493	-1.44843	9.26133	9.75909	-1.41202
5	hcs080h05	27304	MOCS3	0.141769	-2.36471	9.67643	10.0249	-1.27325
5	hcs080h06	10949	HNRNPA0	0.638507	0.548308	9.54232	9.36266	1.13261
5	hcs081a06			0.861714	-0.197463	10.2264	10.2579	-1.02207
1	hcs081a07	?	?	0.629114	0.564793	11.0944	11.2486	0.89861
3	hcs081a07	?	?	0.341269	-1.23819	11.0668	11.28	-1.15926
5	hcs081a07	?	?	0.898305	-0.144568	11.2798	11.2989	-1.01333
7	hcs081a07	?	?	0.817388	-0.262669	10.7928	10.8774	-1.06039
5	hcs081a08	1355	COX15	0.209667	1.82429	10.0859	9.88099	1.1526
5	hcs081b01	169981	SPIN3	0.131851	-2.47378	9.32168	9.98012	-1.57837
1	hcs081b06	689	BTF3	0.137679	2.40837	11.4965	11.786	0.818204
3	hcs081b06	689	BTF3	0.945369	0.0773759	11.6331	11.6285	1.00319
5	hcs081b06	689	BTF3	0.254663	1.58105	11.8277	11.6325	1.14488
7	hcs081b06	689	BTF3	0.661819	-0.508203	11.0368	11.172	-1.09825
3	hcs081c03	5685	PSMA4	0.210834	1.81714	10.4926	10.0511	1.35797
3	hcs081c04	160851	DGKH	0.994053	-0.0084108	9.80873	9.8101	-1.00095
5	hcs081c04	160851	DGKH	0.707284	0.432926	10.0627	9.95986	1.0739
1	hcs081d02	57128	LYRM4	0.414519	1.02135	9.71132	9.94239	0.852001
3	hcs081d02	57128	LYRM4	0.687037	0.466007	10.0366	9.95407	1.0589
5	hcs081d02	57128	LYRM4	0.073717	-3.47628	9.55662	9.96213	-1.32455
1	hcs081d07	390	RND3	0.299129	1.38959	9.97422	10.4507	0.718736
3	hcs081d07	390	RND3	0.942713	0.0811494	10.7515	10.7254	1.01829
5	hcs081d07	390	RND3	0.1368	2.41798	10.5535	10.3173	1.17792
5	hcs081e05	3157	HMGCS1	0.434578	0.969478	10.3258	9.72128	1.52052
5	hcs081e09	?	?	0.497665	-0.821592	9.85684	9.93037	-1.05229
1	hcs081e10	?	?	0.927295	-0.103093	9.664	9.62789	1.02534
5	hcs081e10	?	?	0.518346	-0.777261	9.47707	9.55995	-1.05914
5	hcs081f01	84859	LRCH3	0.986512	-0.0190763	9.54667	9.55455	-1.00547
1	hcs081f04	79677	SMC6	0.854	-0.208711	10.4143	10.3584	1.0395
3	hcs081f04	79677	SMC6	0.412871	1.02574	10.8558	10.7142	1.10314
5	hcs081f04	79677	SMC6	0.567391	0.678588	10.2341	10.0651	1.12428
5	hcs081g09	?	?	0.272359	-1.50015	9.65104	9.83236	-1.13392
5	hcs081g11			0.679481	-0.478529	9.11904	9.20188	-1.0591

1	hcs081h01	55198	APPL2	0.718854	-0.414312	9.69076	9.55652	1.09752
3	hcs081h01	55198	APPL2	0.102212	-2.8828	9.80514	10.2155	-1.32899
5	hcs081h01	55198	APPL2	0.476743	-0.868363	9.72242	9.95777	-1.17719
5	hcs081h04	23170	TTL12	0.631826	0.560014	9.38135	9.24629	1.09814
1	hcs081h07	441253	LOC441253	0.212436	1.80741	9.68463	10.0198	0.792674
3	hcs081h07	441253	LOC441253	0.559738	-0.693446	10.2022	10.2833	-1.05781
5	hcs081h07	441253	LOC441253	0.481967	0.856491	9.95781	9.65383	1.23454
7	hcs081h07	441253	LOC441253	0.29757	-1.39569	9.49296	9.59992	-1.07696
1	hcs081h10	5093	PCBP1	0.0609178	-3.8641	10.3592	10.1337	1.16919
3	hcs081h10	5093	PCBP1	0.804215	-0.282347	10.256	10.3453	-1.06386
5	hcs081h10	5093	PCBP1	0.51598	0.782245	10.4032	10.3143	1.06357
7	hcs081h10	5093	PCBP1	0.319462	1.31351	9.90098	9.78353	1.08482
1	hcs082a04	79602	ADIPOR2	0.172078	-2.08767	10.281	9.32251	1.94328
5	hcs082a04	79602	ADIPOR2	0.0822633	3.26765	10.2117	9.5481	1.58403
7	hcs082a04	79602	ADIPOR2	0.191119	1.94555	9.99544	9.55399	1.35797
1	hcs082a08			0.987989	-0.0169877	9.36635	9.36162	1.00328
3	hcs082a08			0.183262	-2.00178	9.36939	9.81244	-1.35947
5	hcs082a08			0.749959	0.365213	9.58212	9.49695	1.06082
7	hcs082a08			0.51637	-0.78142	9.35216	9.4669	-1.08278
1	hcs082a09			0.234101	1.68462	10.7356	10.8901	0.898444
3	hcs082a09			0.196273	1.91033	10.9662	10.6562	1.23965
5	hcs082a09			0.05301	4.16869	11.3525	10.733	1.53638
7	hcs082a09			0.60096	0.615451	10.8607	10.6789	1.1343
1	hcs082a10	51075	TMX2	0.510953	-0.792905	9.68071	9.54131	1.10145
3	hcs082a10	51075	TMX2	0.652148	0.524705	9.94846	9.85646	1.06585
5	hcs082a10	51075	TMX2	0.0897321	3.1093	9.71923	9.52818	1.14159
1	hcs082a11	10231	RCAN2	0.331544	1.27104	9.36032	9.47285	0.924965
5	hcs082a11	10231	RCAN2	0.581287	-0.652061	9.34057	9.42942	-1.06352
7	hcs082a11	10231	RCAN2	0.1885	1.96395	9.38845	9.30612	1.05873
5	hcs082b03	?	?	0.828957	0.245509	9.16528	9.1091	1.03971
7	hcs082b03	?	?	0.992995	0.0099073	9.35053	9.34779	1.0019
1	hcs082b12	55081	IFT57	0.602202	-0.613174	9.80753	9.38895	1.33661
3	hcs082b12	55081	IFT57	0.248252	-1.61215	9.49954	9.99189	-1.40673
5	hcs082b12	55081	IFT57	0.0556784	4.05889	9.90327	9.75491	1.10831
5	hcs082c03	9749	PHACTR2	0.174591	2.06773	9.37052	8.9938	1.29839
5	hcs082c05	5868	RAB5A	0.407849	1.03921	9.73451	9.57424	1.1175
7	hcs082c05	5868	RAB5A	0.690392	0.460478	9.68366	9.53309	1.11001
5	hcs082c10	?	?	0.831664	-0.24151	9.16269	9.23593	-1.05208
1	hcs082d01	489	ATP2A3	0.758824	-0.351448	9.84119	9.81576	1.01779
5	hcs082d01	489	ATP2A3	0.369813	1.14782	9.89518	9.59717	1.22944
7	hcs082d01	489	ATP2A3	0.921933	-0.110741	9.77369	9.78265	-1.00623
3	hcs082d03	27300	ZNF544	0.628742	-0.565451	10.5845	10.68	-1.06846
5	hcs082d03	27300	ZNF544	0.53792	-0.736864	10.2294	10.4678	-1.17973
1	hcs082d04	4053	LTBP2	0.737639	0.384503	9.60968	9.86766	0.836258
3	hcs082d04	4053	LTBP2	0.238668	-1.66063	9.63624	10.491	-1.8085
5	hcs082d04	4053	LTBP2	0.543945	-0.724712	9.69341	9.95151	-1.1959
7	hcs082d04	4053	LTBP2	0.019035	-7.1442	9.72774	9.86276	-1.09811

1	hcs082d05	253461	ZBTB38	0.23997	1.65389	10.0645	10.1228	0.960422
3	hcs082d05	253461	ZBTB38	0.271858	-1.50235	10.0367	10.3186	-1.21581
5	hcs082d05	253461	ZBTB38	0.0384341	4.95261	10.1451	9.84538	1.23091
7	hcs082d05	253461	ZBTB38	0.732689	0.39231	9.83541	9.65737	1.13134
1	hcs082d07	81606	LBH	0.646242	0.534877	10.8234	11.0579	0.849993
3	hcs082d07	81606	LBH	0.0026039	19.5584	11.8428	10.8968	1.92643
5	hcs082d07	81606	LBH	0.0611667	3.85545	12.0873	10.9996	2.12535
7	hcs082d07	81606	LBH	0.0496481	4.31908	11.5987	10.6781	1.89293
5	hcs082d08	10614	HEXIM1	0.186605	1.97747	9.55261	8.962	1.50589
1	hcs082d09	51234	TMEM85	0.654024	-0.521489	10.2895	10.0006	1.22167
3	hcs082d09	51234	TMEM85	0.808141	0.276466	10.2256	10.0584	1.12294
5	hcs082d09	51234	TMEM85	0.0624045	3.81321	10.6796	10.2064	1.38815
7	hcs082d09	51234	TMEM85	0.402847	1.05283	10.2486	9.98521	1.20034
5	hcs082d12	6258	RXRG	0.0699776	-3.57888	8.6397	8.94706	-1.23744
5	hcs082e04	79581	GPR172A	0.43033	0.980242	9.52059	9.28102	1.18064
1	hcs082e05	9322	TRIP10	0.656381	-0.517459	10.0329	10.0008	1.02249
3	hcs082e05	9322	TRIP10	0.803349	0.283645	10.0836	10.0402	1.03053
5	hcs082e05	9322	TRIP10	0.228997	-1.71217	10.2191	10.4516	-1.1749
1	hcs082e08	?	?	0.450504	-0.930111	10.0289	9.27611	1.68505
3	hcs082e08	?	?	0.709447	-0.429431	10	10.1469	-1.1072
5	hcs082e08	?	?	0.766667	0.33935	9.9619	9.92106	1.02872
1	hcs082e11	84818	IL17RC	0.612759	-0.593985	9.44908	9.32029	1.09338
3	hcs082e11	84818	IL17RC	0.488874	-0.840997	9.51421	9.70764	-1.14348
5	hcs082e11	84818	IL17RC	0.313668	1.33458	9.68294	9.52371	1.11669
7	hcs082e11	84818	IL17RC	0.1166	2.66594	9.43666	9.27592	1.11786
5	hcs082e12	23261	CAMTA1	0.769414	-0.335129	8.73429	8.76385	-1.0207
1	hcs082f01	7284	TUFM	0.500705	0.814963	11.0581	11.217	0.895728
3	hcs082f01	7284	TUFM	0.798735	0.290578	11.0876	11.0096	1.05555
5	hcs082f01	7284	TUFM	0.253841	1.58498	11.3024	11.1021	1.14891
7	hcs082f01	7284	TUFM	0.383124	1.10842	11.1126	10.9402	1.12688
1	hcs082f05	51504	TRMT112	0.732435	-0.392712	11.7441	11.678	1.04688
3	hcs082f05	51504	TRMT112	0.230805	1.70232	11.6579	11.3537	1.23471
5	hcs082f05	51504	TRMT112	0.0751855	3.43802	12.0122	11.5495	1.37818
7	hcs082f05	51504	TRMT112	0.439504	0.957139	11.6599	11.4898	1.12519
5	hcs082f08	712	C1QA	0.957176	-0.0606185	9.04226	9.05207	-1.00682
3	hcs082f09	7078	TIMP3	0.35253	-1.20151	9.53235	9.85906	-1.25415
5	hcs082f09	7078	TIMP3	0.515129	0.78404	9.45039	9.02444	1.34346
7	hcs082f09	7078	TIMP3	0.549384	-0.713852	9.20026	9.25875	-1.04137
1	hcs082f11	128338	DRAM2	0.830966	0.242541	9.4532	9.61138	0.896155
3	hcs082f11	128338	DRAM2	0.062324	-3.81592	9.50677	10.1771	-1.59144
5	hcs082f11	128338	DRAM2	0.400985	-1.05794	9.85434	9.99372	-1.10143
7	hcs082f11	128338	DRAM2	0.778357	-0.321445	9.49092	9.66219	-1.12605
5	hcs082g04	79090	TRAPPC6A	0.631857	0.559959	9.86369	9.63141	1.17469
7	hcs082g04	79090	TRAPPC6A	0.967893	-0.04543	9.70181	9.70938	-1.00526
1	hcs082g06	6722	SRF	0.650452	-0.527618	10.2382	10.1755	1.04444
3	hcs082g06	6722	SRF	0.375053	-1.13212	10.2913	10.4943	-1.15112
5	hcs082g06	6722	SRF	0.219487	1.7657	10.4358	9.98512	1.36672



7	hcs082g06	6722	SRF	0.13581	2.42892	10.2355	9.83309	1.32174
1	hcs082g09	7423	VEGFB	0.504274	0.80723	10.8032	10.9707	0.890364
3	hcs082g09	7423	VEGFB	0.759594	0.350257	10.9029	10.7992	1.07453
5	hcs082g09	7423	VEGFB	0.132028	2.47174	11.1043	10.8837	1.16525
7	hcs082g09	7423	VEGFB	0.560586	0.691791	10.8468	10.819	1.01948
3	hcs082g12	347735	SERINC2	0.739546	0.381504	10.386	10.1847	1.14969
5	hcs082g12	347735	SERINC2	0.0933331	3.03954	10.188	9.32041	1.82459
7	hcs082g12	347735	SERINC2	0.229751	1.70805	9.86933	9.39991	1.38456
3	hcs082h02	55816	DOK5	0.361083	-1.17457	9.77937	9.95967	-1.13312
5	hcs082h02	55816	DOK5	0.732725	0.392255	9.54643	9.46128	1.0608
1	hcs082h05	55749	CCAR1	0.381052	1.11445	9.87273	10.0536	0.882146
3	hcs082h05	55749	CCAR1	0.700994	0.443132	10.4616	10.3935	1.04832
5	hcs082h05	55749	CCAR1	0.0473404	4.43122	10.1825	9.79107	1.31168
5	hcs082h06			0.789813	-0.304042	8.90798	8.98771	-1.05682
5	hcs082h07	85329	LGALS12	0.982381	-0.0249207	8.91992	8.92502	-1.00354
1	hcs082h08	403	ARL3	0.227485	1.72049	10.4055	10.6478	0.845377
3	hcs082h08	403	ARL3	0.793289	-0.298787	10.4968	10.6655	-1.12405
5	hcs082h08	403	ARL3	0.21403	1.79782	10.8605	10.2887	1.48635
7	hcs082h08	403	ARL3	0.244917	1.62874	10.4907	10.3074	1.13544
1	hcs082h09	23383	MAU2	0.886939	0.160924	9.66208	9.71623	0.963161
3	hcs082h09	23383	MAU2	0.576595	-0.660954	9.97722	9.99893	-1.01516
5	hcs082h09	23383	MAU2	0.389588	1.08985	10.2088	9.95318	1.19386
5	hcs082h11	285812	LOC285812	0.440817	0.953875	9.33626	9.0725	1.2006
1	hcs082h12	?	?	0.568517	0.676415	9.29107	9.46073	0.889054
3	hcs082h12	?	?	0.785571	-0.31047	9.60505	9.73189	-1.0919
5	hcs082h12	?	?	0.359666	-1.17898	9.41478	9.48047	-1.04659
3	hcs083a05	9344	TAOK2	0.450561	0.929973	10.8313	10.7783	1.03742
5	hcs083a05	9344	TAOK2	0.245586	1.62539	10.5651	10.2808	1.21781
7	hcs083a05	9344	TAOK2	0.818812	-0.260551	9.92204	9.9788	-1.04013
1	hcs083a08	114757	CYGB	0.403192	-1.05188	10.0652	9.86063	1.15234
3	hcs083a08	114757	CYGB	0.57312	0.667582	10.2694	10.1219	1.10764
5	hcs083a08	114757	CYGB	0.0174896	7.46199	10.1331	9.89229	1.18162
7	hcs083a08	114757	CYGB	0.262342	1.54509	9.64299	9.46743	1.1294
1	hcs083a11	123803	NTAN1	0.144957	-2.33188	9.64988	9.50634	1.10461
3	hcs083a11	123803	NTAN1	0.907123	-0.131918	9.94311	9.95785	-1.01026
5	hcs083a11	123803	NTAN1	0.524323	0.764773	9.44413	9.28766	1.11455
5	hcs083a12	95	ACY1	0.283448	1.45277	9.31687	9.22571	1.06522
1	hcs083b03	84836	ABHD14B	0.075674	3.42553	9.39353	9.87969	0.713923
3	hcs083b03	84836	ABHD14B	0.173652	-2.07514	9.77184	10.1949	-1.3408
5	hcs083b03	84836	ABHD14B	0.3449	-1.22621	9.44254	9.72043	-1.21242
1	hcs083b04			0.87489	0.178333	10.0546	10.0774	0.984305
3	hcs083b04			0.163174	-2.16168	10.2025	10.421	-1.16347
5	hcs083b04			0.880609	0.170061	10.116	10.097	1.01326
7	hcs083b04			0.186103	-1.98108	9.85934	10.1274	-1.20419
1	hcs083b08	1312	COMT	0.181431	-2.01535	10.3466	9.98459	1.28521
3	hcs083b08	1312	COMT	0.433481	0.972246	10.5089	10.2084	1.23156
5	hcs083b08	1312	COMT	0.241489	1.6461	10.2839	9.99051	1.22552

7	hcs083b08	1312	COMT	0.356927	1.18756	10.013	9.92181	1.06527
1	hcs083b11	51586	MED15	0.430964	-0.978627	9.56925	9.39968	1.12473
3	hcs083b11	51586	MED15	0.12041	-2.61477	9.37493	9.53216	-1.11514
5	hcs083b11	51586	MED15	0.346203	1.22194	9.52947	9.28141	1.18761
1	hcs083c03	84418	C5orf32	0.826861	0.248609	9.8071	9.8501	0.970635
3	hcs083c03	84418	C5orf32	0.068902	3.60988	10.707	10.2426	1.37973
5	hcs083c03	84418	C5orf32	0.0557436	4.05631	10.6336	10.0153	1.53507
7	hcs083c03	84418	C5orf32	0.0480743	4.39471	10.1897	9.60116	1.50371
5	hcs083c07	57136	C20orf3	0.563118	0.686861	9.75726	9.57262	1.13653
5	hcs083c08	51524	TMEM138	0.930271	-0.0988523	9.77137	9.77938	-1.00557
3	hcs083c12	9919	SEC16A	0.769137	-0.335554	9.66503	9.74681	-1.05833
5	hcs083c12	9919	SEC16A	0.62629	-0.56979	9.26818	9.3673	-1.07112
1	hcs083d03	10327	AKR1A1	0.208732	-1.83005	9.33826	9.07321	1.20168
3	hcs083d03	10327	AKR1A1	0.524767	-0.76385	9.51444	9.60557	-1.06521
5	hcs083d03	10327	AKR1A1	0.330405	1.27497	9.78118	9.61352	1.12323
1	hcs083d04			0.314113	-1.33294	10.6107	9.59754	2.01832
3	hcs083d04			0.356942	-1.18752	9.52288	9.95473	-1.34896
5	hcs083d04			0.258466	-1.56307	9.21663	9.735	-1.43233
1	hcs083d09	57017	COQ9	0.112046	2.7303	9.64227	9.76965	0.91549
3	hcs083d09	57017	COQ9	0.940615	0.0841313	9.6075	9.59711	1.00723
5	hcs083d09	57017	COQ9	0.0803373	3.31186	9.62238	9.30705	1.2443
5	hcs083e04	5999	RGS4	0.895086	-0.149195	10.3723	10.4339	-1.04356
1	hcs083e08	29115	SAP30BP	0.648947	-0.530208	9.65539	9.46049	1.14464
3	hcs083e08	29115	SAP30BP	0.297716	1.39512	10.106	10.0101	1.06874
5	hcs083e08	29115	SAP30BP	0.527309	0.758584	9.87612	9.77319	1.07395
7	hcs083e08	29115	SAP30BP	0.1563	2.22269	10.8342	10.6476	1.13811
3	hcs083e09	9905	SGSM2	0.870695	0.184413	9.58042	9.55523	1.01762
1	hcs083f07	8666	EIF3G	0.106335	-2.81644	10.3507	10.1302	1.16513
3	hcs083f07	8666	EIF3G	0.832029	0.24097	10.2764	10.2425	1.02383
5	hcs083f07	8666	EIF3G	0.289072	1.42962	10.4668	10.1824	1.2179
7	hcs083f07	8666	EIF3G	0.0671603	3.66157	10.1565	9.74587	1.32923
3	hcs083g01	23130	ATG2A	0.367601	1.15453	10.7284	10.4812	1.1869
5	hcs083g01	23130	ATG2A	0.695825	0.451565	9.72992	9.58215	1.10785
7	hcs083g01	23130	ATG2A	0.52287	0.767795	10.0222	9.80342	1.16378
1	hcs083h03	7328	UBE2H	0.38806	1.09421	9.56613	9.85817	0.816747
3	hcs083h03	7328	UBE2H	0.666334	-0.500561	9.7564	9.93619	-1.13272
5	hcs083h03	7328	UBE2H	0.13855	2.39892	10.175	9.52787	1.56606
1	hcs083h10	10452	TOMM40	0.273011	-1.4973	9.54761	9.34188	1.15327
3	hcs083h10	10452	TOMM40	0.621633	-0.578068	9.03346	9.26268	-1.1722
5	hcs083h10	10452	TOMM40	0.417511	1.01344	9.2897	9.21647	1.05207
1	hcs084a03	4616	GADD45B	0.270208	1.50962	10.0421	10.2784	0.848941
3	hcs084a03	4616	GADD45B	0.953565	-0.0657401	10.6209	10.6308	-1.00688
5	hcs084a03	4616	GADD45B	0.911615	0.125486	10.3989	10.3702	1.02014
7	hcs084a03	4616	GADD45B	0.97632	-0.0334982	9.87084	9.87803	-1.005
1	hcs084a04	58191	CXCL16	0.760443	0.348945	9.62982	9.72493	0.936203
3	hcs084a04	58191	CXCL16	0.399648	1.06163	10.4635	10.3017	1.11872
5	hcs084a04	58191	CXCL16	0.447521	-0.937371	9.77842	9.97208	-1.14367

1	hcs084a05	57222	ERGIC1	0.636244	0.552261	10.1888	10.2632	0.949757
3	hcs084a05	57222	ERGIC1	0.348257	1.21526	10.7555	10.619	1.09926
5	hcs084a05	57222	ERGIC1	0.0007731	35.9435	10.5345	10.1925	1.26748
7	hcs084a05	57222	ERGIC1	0.218295	1.77263	10.2052	9.9542	1.19005
5	hcs084a07	1983	EIF5	0.536786	0.739166	10.1203	10.0109	1.07878
1	hcs084b04	91768	CABLES1	0.788239	0.306424	9.60278	9.64867	0.96869
5	hcs084b04	91768	CABLES1	0.0922781	-3.05957	9.52767	9.70813	-1.13324
1	hcs084b09	4522	MTHFD1	0.108909	-2.77683	9.82049	9.36349	1.37268
5	hcs084b09	4522	MTHFD1	0.120475	2.61392	9.47323	9.35682	1.08403
3	hcs084c05	201254	STRA13	0.795769	-0.295045	10.4083	10.4487	-1.02838
5	hcs084c05	201254	STRA13	0.516526	0.781091	10.7025	10.5644	1.10043
1	hcs084c08	3159	HMGA1	0.0643186	-3.75023	11.0083	10.6214	1.30758
3	hcs084c08	3159	HMGA1	0.591434	0.633046	10.8793	10.6898	1.14032
5	hcs084c08	3159	HMGA1	0.886245	-0.161926	10.6573	10.6902	-1.02301
7	hcs084c08	3159	HMGA1	0.67073	-0.493159	9.94067	10.0873	-1.10697
5	hcs084c09			0.118656	2.63805	10.1427	9.90839	1.17633
1	hcs084d02	966	CD59	0.798111	0.291517	9.52675	9.63015	0.930837
3	hcs084d02	966	CD59	0.190761	-1.94805	9.75087	10.0222	-1.20693
5	hcs084d02	966	CD59	0.869366	0.186341	9.95668	9.92029	1.02554
1	hcs084d03	7067	THRA	0.805806	0.279961	9.55017	9.58188	0.978262
3	hcs084d03	7067	THRA	0.701675	-0.442023	9.68592	9.73237	-1.03272
5	hcs084d03	7067	THRA	0.943237	-0.0804051	9.89413	9.9011	-1.00485
1	hcs084d05	64122	FN3K	0.0882025	-3.14016	10.0744	9.8472	1.17056
5	hcs084d05	64122	FN3K	0.0707519	3.557	10.0252	9.7111	1.24323
1	hcs084d07	57804	POLD4	0.0776843	3.37533	9.34551	9.68476	0.790454
3	hcs084d07	57804	POLD4	0.587155	0.64103	9.84272	9.76374	1.05627
5	hcs084d07	57804	POLD4	0.247061	1.61804	9.84056	9.56244	1.21262
7	hcs084d07	57804	POLD4	0.0139869	8.36653	9.3798	9.06666	1.24241
5	hcs084d08	22930	RAB3GAP1	0.421729	1.0024	9.77205	9.67654	1.06845
5	hcs084d11	51128	SAR1B	0.335397	1.25789	9.67942	9.47965	1.14852
5	hcs084d12	79877	DCAKD	0.52539	-0.762557	8.82644	9.03965	-1.15926
1	hcs084e01	5694	PSMB6	0.154334	-2.24082	10.3553	9.89916	1.37187
3	hcs084e01	5694	PSMB6	0.427384	0.987776	10.3944	10.2419	1.11148
5	hcs084e01	5694	PSMB6	0.41421	1.02217	10.1766	9.90811	1.20451
7	hcs084e01	5694	PSMB6	0.574514	0.664919	9.6759	9.57953	1.06908
1	hcs084e04	83667	SESN2	0.0750837	3.44064	9.01334	9.59096	0.67007
5	hcs084e04	83667	SESN2	0.174455	-2.06879	10.2454	10.6254	-1.30131
1	hcs084e05	65265	C8orf33	0.303849	-1.37138	9.86969	9.69858	1.12592
3	hcs084e05	65265	C8orf33	0.721811	-0.409586	9.98802	10.0837	-1.06858
5	hcs084e05	65265	C8orf33	0.174362	-2.06953	10.0902	10.2825	-1.14261
3	hcs084e09	8818	DPM2	0.238674	1.66059	9.99908	9.81705	1.13448
5	hcs084e09	8818	DPM2	0.423912	0.996727	9.23007	9.08832	1.10324
1	hcs084f02	3055	HCK	0.932326	-0.0959251	10.4869	10.4689	1.01255
3	hcs084f02	3055	HCK	0.418361	-1.0112	10.3928	10.6048	-1.1583
5	hcs084f02	3055	HCK	0.856496	0.205068	10.5271	10.4855	1.02928
7	hcs084f02	3055	HCK	0.989492	0.0148621	10.1971	10.1942	1.00202
1	hcs084f04	29085	PHPT1	0.624337	-0.573254	9.90491	9.79496	1.07919

3	hcs084f04	29085	PHPT1	0.582489	0.649793	9.79528	9.67925	1.08375
5	hcs084f04	29085	PHPT1	0.23814	1.66337	9.91778	9.35569	1.4764
1	hcs084f05	7251	TSG101	0.84412	0.223176	9.57739	9.62694	0.966235
3	hcs084f05	7251	TSG101	0.434575	0.969485	10.0983	9.90206	1.14571
5	hcs084f05	7251	TSG101	0.225919	1.72917	9.96167	9.5846	1.2987
5	hcs084f06	79890	RIN3	0.147514	2.30626	9.45895	9.13698	1.25004
1	hcs084f07	55766	H2AFJ	0.221246	-1.75557	11.176	10.0738	2.14686
3	hcs084f07	55766	H2AFJ	0.518227	-0.777511	9.99296	10.333	-1.26582
5	hcs084f07	55766	H2AFJ	0.142128	-2.36097	9.92717	10.2215	-1.22632
7	hcs084f07	55766	H2AFJ	0.077143	-3.38866	9.07829	9.85022	-1.70754
1	hcs084f09	3421	IDH3G	0.802678	0.284652	9.79663	9.83179	0.975925
3	hcs084f09	3421	IDH3G	0.973561	-0.0374031	9.72408	9.73334	-1.00644
5	hcs084f09	3421	IDH3G	0.0653418	3.71766	9.92134	9.47219	1.36524
7	hcs084f09	3421	IDH3G	0.150297	2.27906	9.47863	9.20669	1.20743
1	hcs084f12	5831	PYCR1	0.5528	-0.70708	9.34556	9.10289	1.18318
5	hcs084f12	5831	PYCR1	0.698086	-0.447871	8.9406	9.01932	-1.05608
1	hcs084g01	51065	RPS27L	0.850695	0.213543	10.519	10.5693	0.965711
3	hcs084g01	51065	RPS27L	0.0385633	4.9438	11.0214	10.5823	1.35571
5	hcs084g01	51065	RPS27L	0.320488	1.30983	10.7589	10.6103	1.10848
7	hcs084g01	51065	RPS27L	0.436977	-0.96345	9.73673	10.1005	-1.28675
1	hcs084g02	91289	LMF2	0.767075	-0.338722	9.58098	9.51687	1.04544
5	hcs084g02	91289	LMF2	0.809377	-0.274617	9.91966	9.98364	-1.04534
1	hcs084g03	122961	ISCA2	0.564323	-0.684523	9.7669	9.4221	1.26997
3	hcs084g03	122961	ISCA2	0.278257	1.47466	10.3044	9.83255	1.3869
5	hcs084g03	122961	ISCA2	0.478609	0.864107	10.38	10.3034	1.05449
3	hcs084g05	51079	NDUFA13	0.0441009	4.60288	10.5024	10.1316	1.29312
1	hcs084g12	55702	CCDC94	0.232384	-1.6938	9.41103	9.0849	1.25365
1	hcs084h02	1052	CEBPD	0.397261	-1.06825	9.57616	9.46216	1.08222
5	hcs084h02	1052	CEBPD	0.164436	-2.15086	9.56637	9.8378	-1.207
5	hcs084h06	3454	IFNAR1	0.989809	-0.0144124	9.4768	9.47899	-1.00152
5	hcs084h09			0.00298321	-18.2676	9.04414	9.37673	-1.25927
1	hcs084h11	286262	TPRN	0.209415	-1.82584	9.52289	9.26399	1.19657
3	hcs084h11	286262	TPRN	0.447637	0.937086	9.46424	9.19487	1.20528
5	hcs084h11	286262	TPRN	0.437804	0.96138	9.69806	9.42674	1.20692
7	hcs084h11	286262	TPRN	0.581216	0.652197	9.48437	9.37229	1.08079
5	hcs084h12	10147	SUGP2	0.310482	1.34636	8.91512	8.78018	1.09805
1	hcs085a03	151354	FAM84A	0.0372378	5.03626	9.29237	10.4039	0.462803
5	hcs085a03	151354	FAM84A	0.786224	-0.30948	10.0668	10.3004	-1.1758
7	hcs085a03	151354	FAM84A	0.696626	-0.450255	9.80255	9.94734	-1.10557
1	hcs085a04	3635	INPP5D	0.387853	-1.0948	9.5392	9.42712	1.08079
3	hcs085a04	3635	INPP5D	0.689725	0.461575	9.62734	9.52138	1.07622
5	hcs085a04	3635	INPP5D	0.828357	-0.246396	9.70031	9.76377	-1.04497
1	hcs085a06	?	?	0.903237	0.137488	9.45602	9.47025	0.990185
3	hcs085a06	?	?	0.760821	-0.348361	9.48422	9.54367	-1.04207
5	hcs085a06	?	?	0.928131	-0.101902	9.57787	9.59231	-1.01006
3	hcs085a09	54949	SDHAF2	0.530455	-0.752102	9.41061	9.49904	-1.06321
5	hcs085a09	54949	SDHAF2	0.324117	1.29692	9.59637	9.25685	1.26533

5	hcs085a11	4215	MAP3K3	0.521391	-0.770882	8.94162	9.07683	-1.09825
3	hcs085b01	2632	GBE1	0.518264	-0.777433	10.8584	11.463	-1.52054
3	hcs085b03	2495	FTH1	0.865054	-0.192604	9.20685	9.33133	-1.09012
5	hcs085b03	2495	FTH1	0.408598	-1.03719	9.33406	9.62219	-1.22105
1	hcs085b04	10518	CIB2	0.556365	0.700056	9.08343	9.36956	0.820099
3	hcs085b04	10518	CIB2	0.786464	0.309115	10.3224	10.2636	1.0416
5	hcs085b04	10518	CIB2	0.0958089	-2.99376	10.155	10.5119	-1.28066
1	hcs085b07	286140	RNF5P1	0.0384693	-4.95021	9.93874	9.4418	1.41122
3	hcs085b07	286140	RNF5P1	0.105976	2.82207	10.0606	9.76797	1.22488
5	hcs085b07	286140	RNF5P1	0.371982	1.14129	10.1139	9.90597	1.15506
1	hcs085b08	51780	KDM3B	0.712945	0.423794	10.4084	10.4835	0.949268
3	hcs085b08	51780	KDM3B	0.274736	1.48979	11.0044	10.7797	1.16853
5	hcs085b08	51780	KDM3B	0.059626	3.90981	10.7789	10.4832	1.22743
7	hcs085b08	51780	KDM3B	0.313958	-1.33351	9.91032	10.1832	-1.20825
5	hcs085b12	84236	RHBDD1	0.167828	-2.12233	9.25356	9.42112	-1.12315
5	hcs085c05	55665	URGCP	0.589266	-0.637085	9.38532	9.42446	-1.0275
5	hcs085c06			0.232969	1.69066	9.65793	9.5772	1.05755
1	hcs085c07	582	BBS1	0.781545	-0.316588	9.24435	9.18614	1.04118
3	hcs085c07	582	BBS1	0.338008	1.24908	9.69544	9.33613	1.28281
5	hcs085c07	582	BBS1	0.878213	0.173524	9.67002	9.65338	1.0116
1	hcs085c08	90522	YIF1B	0.260287	1.55458	9.56486	9.88805	0.799299
3	hcs085c08	90522	YIF1B	0.859743	-0.200333	10.2561	10.3084	-1.03689
5	hcs085c08	90522	YIF1B	0.331921	1.26975	10.3571	10.2087	1.10839
7	hcs085c08	90522	YIF1B	0.318649	1.31644	9.69576	9.63329	1.04425
5	hcs085c09	115708	TRMT61A	0.476057	-0.869931	9.51646	9.68322	-1.12253
3	hcs085c11	6876	TAGLN	0.278624	-1.47309	9.38185	9.59563	-1.15972
5	hcs085c11	6876	TAGLN	0.0286949	5.77552	9.40625	9.17119	1.17695
1	hcs085d04	80344	DCAF11	0.838447	0.231512	9.23648	9.33208	0.935883
3	hcs085d04	80344	DCAF11	0.640368	-0.545064	9.34904	9.60757	-1.19626
5	hcs085d04	80344	DCAF11	0.0501652	-4.295	9.71858	10.0616	-1.26843
5	hcs085d05	8576	STK16	0.602497	-0.612634	9.92159	10.0831	-1.11848
3	hcs085d07	147179	WIPF2	0.862467	-0.196367	9.91706	9.97328	-1.03973
5	hcs085d07	147179	WIPF2	0.904929	0.135062	10.2248	10.1826	1.02965
1	hcs085d11	124995	MRPL10	0.59424	0.627839	9.38416	9.47035	0.94201
3	hcs085d11	124995	MRPL10	0.519572	-0.774688	9.61423	9.76934	-1.11351
5	hcs085d11	124995	MRPL10	0.716847	-0.417526	9.528	9.55769	-1.0208
1	hcs085e05	?	?	0.810107	-0.273525	9.46021	9.39794	1.04411
3	hcs085e05	?	?	0.600688	0.61595	9.75229	9.63095	1.08775
1	hcs085e12	54867	TMEM214	0.278081	1.47541	9.54486	9.76438	0.858849
3	hcs085e12	54867	TMEM214	0.187474	-1.97124	9.69725	10.1503	-1.36895
5	hcs085e12	54867	TMEM214	0.702501	-0.44068	9.60857	9.71558	-1.077
7	hcs085e12	54867	TMEM214	0.224828	-1.73527	9.24944	9.536	-1.21973
1	hcs085f01	10262	SF3B4	0.253354	-1.58732	10.1199	9.63698	1.39757
3	hcs085f01	10262	SF3B4	0.527078	0.759061	10.087	9.95731	1.09404
5	hcs085f01	10262	SF3B4	0.941171	0.0833408	10.3026	10.2858	1.01171
7	hcs085f01	10262	SF3B4	0.371192	1.14366	9.58124	9.39	1.14174
3	hcs085f03	4783	NFIL3	0.748117	-0.368085	9.9524	10.0346	-1.0586

5	hcs085f03	4783	NFIL3	0.28684	-1.43874	9.18984	9.69153	-1.41586
3	hcs085f05	80851	SH3BP5L	0.752885	0.360658	10.2874	10.2119	1.05375
5	hcs085f05	80851	SH3BP5L	0.786944	0.308388	9.934	9.89782	1.0254
5	hcs085f06	10082	GPC6	0.103003	-2.86977	9.7216	9.97358	-1.19085
1	hcs085f07	84058	WDR54	0.774975	0.326611	9.85929	9.91112	0.964714
3	hcs085f07	84058	WDR54	0.477344	-0.866991	10.0966	10.145	-1.03415
5	hcs085f07	84058	WDR54	0.966629	-0.0472205	10.2575	10.2635	-1.00421
5	hcs085g02	29890	RBM15B	0.181081	2.01796	9.84173	9.66912	1.1271
5	hcs085g03	26151	NAT9	0.954925	-0.0638105	9.34895	9.37233	-1.01633
1	hcs085g05	6919	TCEA2	0.576708	0.66074	9.66646	9.77113	0.93002
3	hcs085g05	6919	TCEA2	0.557939	0.696966	10.09	10.023	1.04755
5	hcs085g05	6919	TCEA2	0.453762	0.922242	9.80511	9.67041	1.09786
7	hcs085g05	6919	TCEA2	0.425963	-0.991429	9.38205	9.51798	-1.0988
1	hcs085g08	203260	CCDC107	0.338821	-1.24635	9.4299	8.99992	1.34721
3	hcs085g08	203260	CCDC107	0.707003	-0.43338	9.21646	9.33755	-1.08755
5	hcs085g08	203260	CCDC107	0.505227	0.805176	9.70373	9.6066	1.06964
3	hcs085h02	10585	POMT1	0.690919	-0.459611	9.84565	9.97328	-1.0925
5	hcs085h02	10585	POMT1	0.341753	-1.23658	9.87185	10.0803	-1.15544
3	hcs085h03	55214	LEPREL1	0.118556	2.63939	10.2569	10.06	1.14619
3	hcs085h04	10078	TSSC4	0.995112	0.0069131	10.0478	10.0474	1.00028
5	hcs085h04	10078	TSSC4	0.0910415	-3.08348	9.98049	10.3152	-1.26108
3	hcs085h05	224	ALDH3A2	0.653008	0.52323	10.4649	10.3337	1.09517
5	hcs085h05	224	ALDH3A2	0.787976	0.306823	10.4568	10.3809	1.05401
1	hcs085h07	5699	PSMB10	0.555773	-0.701218	9.89443	9.77124	1.08914
3	hcs085h07	5699	PSMB10	0.783583	-0.31349	10.0534	10.111	-1.04073
5	hcs085h07	5699	PSMB10	0.311957	1.34089	10.1308	10.0045	1.09144
5	hcs085h11	135932	TMEM139	0.475393	0.871453	9.24478	9.07611	1.12402
1	hcs086a02	7520	XRCC5	0.436913	-0.963611	9.97614	9.6051	1.29329
3	hcs086a02	7520	XRCC5	0.359173	1.18052	9.59336	9.44673	1.10698
5	hcs086a02	7520	XRCC5	0.454726	0.919925	9.91461	9.73993	1.12871
3	hcs086a07	?	?	0.662371	-0.507267	9.55956	9.65077	-1.06526
5	hcs086a07	?	?	0.742085	-0.377519	9.6313	9.70329	-1.05117
3	hcs086a09	54859	C3orf75	0.413628	-1.02372	10.8291	11.1764	-1.27213
1	hcs086b02	56893	UBQLN4	0.245478	-1.62593	9.65638	9.32551	1.25777
3	hcs086b02	56893	UBQLN4	0.675779	0.4847	10.2262	10.0637	1.11926
5	hcs086b02	56893	UBQLN4	0.103711	-2.85824	9.83585	10.1764	-1.26625
3	hcs086b04	8451	CUL4A	0.777942	0.322078	9.84029	9.76063	1.05676
5	hcs086b04	8451	CUL4A	0.442285	-0.950237	9.38448	9.72871	-1.26948
5	hcs086b05	8859	STK19	0.0515033	-4.23432	9.49629	10.0391	-1.45683
1	hcs086b07	5859	QARS	0.975286	0.034961	10.0913	10.0969	0.996154
3	hcs086b07	5859	QARS	0.139288	2.39098	10.0916	9.83936	1.19103
5	hcs086b07	5859	QARS	0.13633	2.42316	10.0483	9.81436	1.17607
1	hcs086b08	5594	MAPK1	0.914126	0.121895	9.56535	9.58661	0.985372
3	hcs086b08	5594	MAPK1	0.744044	0.37445	10.4549	10.3519	1.07395
5	hcs086b08	5594	MAPK1	0.122703	2.58504	10.2924	9.89797	1.31439
1	hcs086c04	8045	RASSF7	0.499233	-0.818168	10.2175	9.87496	1.26798
5	hcs086c04	8045	RASSF7	0.254359	1.5825	9.93207	9.71615	1.16144

3	hcs086c08	11228	RASSF8	0.859327	0.20094	9.90143	9.86383	1.0264
5	hcs086c08	11228	RASSF8	0.765808	0.340672	9.97856	9.88856	1.06437
1	hcs086c10	10525	HYOU1	0.368316	1.15236	9.56684	9.69841	0.912838
3	hcs086c10	10525	HYOU1	0.828003	0.24692	9.85414	9.75314	1.07251
5	hcs086c10	10525	HYOU1	0.125587	2.54875	10.0978	9.59324	1.4187
7	hcs086c10	10525	HYOU1	0.708234	0.431389	9.54287	9.39414	1.1086
1	hcs086c11	26355	FAM162A	0.12401	2.56845	9.15389	9.92496	0.585981
3	hcs086c11	26355	FAM162A	0.082646	-3.25904	9.48967	9.98706	-1.41166
5	hcs086c11	26355	FAM162A	0.611	-0.597162	9.78189	9.95056	-1.12402
1	hcs086d01			0.532549	-0.747807	10.1332	9.99313	1.10196
3	hcs086d01			0.962366	0.0532604	10.3278	10.3167	1.0077
5	hcs086d01			0.856347	-0.205285	10.0773	10.1296	-1.03697
1	hcs086d07	6009	RHEB	0.299542	1.38799	10.3203	10.3963	0.948693
3	hcs086d07	6009	RHEB	0.0103935	9.73225	10.9973	10.7319	1.20201
5	hcs086d07	6009	RHEB	0.809314	-0.274711	10.4066	10.4299	-1.01628
7	hcs086d07	6009	RHEB	0.0407198	-4.80296	9.60383	9.98621	-1.30349
1	hcs086d11	6282	S100A11	0.447712	0.936903	9.81088	10.0343	0.856507
3	hcs086d11	6282	S100A11	0.960804	-0.0554748	9.97027	9.99048	-1.01411
5	hcs086d11	6282	S100A11	0.0827284	3.2572	10.164	9.78615	1.29943
7	hcs086d11	6282	S100A11	0.0602984	-3.88584	9.4962	9.61626	-1.08678
3	hcs086e02	9446	GSTO1	0.619906	-0.58115	9.72288	9.82213	-1.07121
5	hcs086e02	9446	GSTO1	0.143867	-2.34299	9.90212	10.1313	-1.17218
1	hcs086e06	55651	NHP2	0.151822	-2.26445	9.95499	9.54466	1.32899
3	hcs086e06	55651	NHP2	0.290057	-1.42563	9.7679	9.92679	-1.11643
5	hcs086e06	55651	NHP2	0.574758	0.664453	9.76607	9.71451	1.03638
1	hcs086e11	55905	RNF114	0.936323	-0.0902355	9.45861	9.42751	1.02179
3	hcs086e11	55905	RNF114	0.903341	0.137339	9.78993	9.76235	1.0193
5	hcs086e11	55905	RNF114	0.30421	1.37	9.41406	9.31805	1.06881
3	hcs086f01	222068	TMED4	0.368667	-1.15129	9.76207	10.1084	-1.27135
5	hcs086f01	222068	TMED4	0.296178	-1.40117	9.93309	10.2449	-1.2413
1	hcs086f03	57630	SH3RF1	0.669297	0.495569	9.62666	9.78561	0.895679
3	hcs086f03	57630	SH3RF1	0.410842	-1.03116	10.2599	10.5103	-1.18953
5	hcs086f03	57630	SH3RF1	0.139806	-2.38544	9.5882	9.9585	-1.29262
1	hcs086f04	80273	GRPEL1	0.0544088	-4.11015	9.79514	9.68024	1.0829
3	hcs086f04	80273	GRPEL1	0.899919	-0.14225	10.0047	10.0257	-1.01466
5	hcs086f04	80273	GRPEL1	0.253881	-1.58479	9.28363	9.655	-1.29358
1	hcs086f08	388789	LOC388789	0.87761	-0.174397	9.52204	9.47462	1.03342
3	hcs086f08	388789	LOC388789	0.894332	0.150279	10.01	9.96496	1.03172
5	hcs086f08	388789	LOC388789	0.0882035	3.14014	9.94383	9.74412	1.14847
1	hcs086f11	9296	ATP6V1F	0.0366596	-5.07812	10.0489	9.79123	1.19554
3	hcs086f11	9296	ATP6V1F	0.342345	1.23462	10.2645	9.92457	1.26573
5	hcs086f11	9296	ATP6V1F	0.0251579	6.18509	10.1836	9.77569	1.32679
7	hcs086f11	9296	ATP6V1F	0.35365	1.19794	9.68819	9.51903	1.1244
5	hcs086g05	29777	ABT1	0.285117	-1.44584	9.06496	9.44492	-1.30131
3	hcs086g06	11224	RPL35	0.518478	-0.776984	11.2012	11.5229	-1.24985
3	hcs086g09	4711	NDUFB5	0.648063	0.531732	9.5805	9.48942	1.06516
5	hcs086g09	4711	NDUFB5	0.255683	1.57619	9.69122	9.57473	1.08409

1	hcs086g11	9064	MAP3K6	0.0847118	-3.21354	9.58345	9.19125	1.3124
3	hcs086g11	9064	MAP3K6	0.137336	-2.41211	9.44225	9.61807	-1.12961
5	hcs086g11	9064	MAP3K6	0.0638782	3.76448	9.13818	8.95625	1.1344
1	hcs086h02	1717	DHCR7	0.846612	-0.219521	9.96969	9.91859	1.03605
3	hcs086h02	1717	DHCR7	0.204078	1.85928	10.4792	9.77827	1.62555
5	hcs086h02	1717	DHCR7	0.262342	1.54509	10.8041	10.3072	1.41118
7	hcs086h02	1717	DHCR7	0.891703	0.154061	9.54701	9.45218	1.06794
3	hcs086h09	55048	VPS37C	0.74085	0.379457	9.96379	9.85929	1.07512
5	hcs086h09	55048	VPS37C	0.0799431	3.3211	9.40143	9.33938	1.04395
1	hcs087a02	81572	PDRG1	0.286049	-1.44199	9.96435	9.54888	1.33374
5	hcs087a02	81572	PDRG1	0.840712	-0.228181	10.0172	10.0526	-1.02487
1	hcs087a08	?	?	0.336964	1.25259	9.77508	9.89316	0.921413
3	hcs087a08	?	?	0.822938	-0.254423	10.1064	10.1245	-1.01256
5	hcs087a08	?	?	0.944546	-0.0785451	9.87176	9.88393	-1.00847
7	hcs087a08	?	?	0.11072	-2.74974	9.34606	9.41069	-1.04582
3	hcs087a11	3899	AFF3	0.380129	-1.11715	9.77736	9.98324	-1.15339
5	hcs087a11	3899	AFF3	0.731079	-0.394857	9.43046	9.50278	-1.0514
1	hcs087b02	23225	NUP210	0.192018	-1.93932	9.60355	9.3223	1.21525
5	hcs087c05	54542	RC3H2	0.358493	1.18264	10.3002	10.0882	1.15833
1	hcs087c07	4725	NDUFS5	0.594105	0.628089	10.1124	10.2447	0.912367
3	hcs087c07	4725	NDUFS5	0.533467	-0.74593	10.5822	10.6674	-1.06083
5	hcs087c07	4725	NDUFS5	0.0136391	8.4748	10.3785	10.1295	1.18839
7	hcs087c07	4725	NDUFS5	0.956272	-0.0618998	9.814	9.83427	-1.01415
1	hcs087c08	813	CALU	0.425794	0.991865	10.4471	10.919	0.721031
3	hcs087c08	813	CALU	0.305628	-1.3646	11.0226	11.1161	-1.06691
5	hcs087c08	813	CALU	0.400471	1.05936	10.923	10.7647	1.11592
7	hcs087c08	813	CALU	0.69262	-0.456817	10.5214	10.7075	-1.13767
1	hcs087d03	57035	C1orf63	0.176407	-2.05355	9.63586	9.39949	1.17803
1	hcs087d04	79036	C19orf50	0.603357	0.611062	9.4628	9.62161	0.895761
3	hcs087d04	79036	C19orf50	0.848079	0.217371	9.9103	9.87352	1.02582
5	hcs087d04	79036	C19orf50	0.599097	0.618873	9.64519	9.61523	1.02098
7	hcs087d04	79036	C19orf50	0.822605	0.254918	9.57222	9.53857	1.0236
1	hcs087e04	23564	DDAH2	0.7852	0.311034	9.73996	9.77824	0.973818
3	hcs087e04	23564	DDAH2	0.601626	0.614231	10.2518	10.1352	1.08413
5	hcs087e04	23564	DDAH2	0.2781	1.47532	10.0628	9.87875	1.13608
1	hcs087e05	?	?	0.926266	-0.104561	12.5197	12.4996	1.01401
3	hcs087e05	?	?	0.595914	-0.624742	12.1718	12.296	-1.08988
5	hcs087e05	?	?	0.410923	-1.03094	12.4321	12.57	-1.10033
7	hcs087e05	?	?	0.479897	-0.861179	11.8874	12.2075	-1.24839
3	hcs087e06			0.925637	0.105457	10.0581	10.023	1.02465
5	hcs087e06			0.684631	0.469983	10.1197	9.9626	1.11507
3	hcs087e07	127544	RNF19B	0.263428	1.54011	10.3616	9.99553	1.28887
5	hcs087e07	127544	RNF19B	0.382189	-1.11114	9.41663	9.6634	-1.18654
1	hcs087e12	23286	WWC1	0.792638	-0.299769	9.67148	9.61035	1.04328
5	hcs087e12	23286	WWC1	0.977201	0.0322515	9.74541	9.73728	1.00565
5	hcs087f01	54431	DNAJC10	0.799854	0.288894	9.79324	9.69121	1.07329
1	hcs087f02	?	?	0.147792	-2.30351	9.79513	9.61471	1.13322



3	hcs087f02	?	?	0.528008	-0.757141	9.55477	9.67797	-1.08915
5	hcs087f02	?	?	0.293105	-1.41337	9.32611	9.64598	-1.24822
1	hcs087f09	9791	PTDSS1	0.219823	-1.76376	9.87107	9.42734	1.36012
3	hcs087f09	9791	PTDSS1	0.906635	0.132618	9.51556	9.48399	1.02212
5	hcs087f09	9791	PTDSS1	0.813583	0.268338	9.57714	9.51534	1.04377
3	hcs087g01	93343	FAM125A	0.1116	2.73681	10.3521	10.1616	1.14115
5	hcs087g01	93343	FAM125A	0.306392	1.36171	10.6984	10.4387	1.19722
1	hcs087g02	25828	TXN2	0.371637	-1.14233	9.82208	9.57235	1.18899
1	hcs087g03	54868	TMEM104	0.905038	-0.134906	9.6916	9.65292	1.02717
3	hcs087g03	54868	TMEM104	0.665143	0.502573	10.0683	9.92825	1.10198
5	hcs087g04	80760	ITIH5	0.936009	-0.0906827	10.0975	10.1086	-1.00773
3	hcs087g08	1201	CLN3	0.389812	1.08921	10.0285	9.75021	1.21276
5	hcs087g08	1201	CLN3	0.0222991	6.58411	10.2078	9.89004	1.24636
1	hcs087h01	6193	RPS5	0.847986	0.217508	11.1302	11.1808	0.965513
3	hcs087h01	6193	RPS5	0.108123	-2.78878	10.8711	11.0979	-1.17021
5	hcs087h01	6193	RPS5	0.945705	0.0768977	11.3067	11.2954	1.00789
7	hcs087h01	6193	RPS5	0.545244	-0.722109	10.9382	11.096	-1.11558
1	hcs087h02	50814	NSDHL	0.0504485	-4.28196	9.60144	9.44245	1.11651
3	hcs087h02	50814	NSDHL	0.546178	0.720241	9.87189	9.67361	1.14733
5	hcs087h02	50814	NSDHL	0.192045	1.93913	9.97261	9.53158	1.35757
3	hcs087h03	9779	TBC1D5	0.852278	0.211228	9.82612	9.77955	1.0328
5	hcs087h03	9779	TBC1D5	0.0228341	-6.50384	9.33968	9.72197	-1.3034
1	hcs087h07	91544	UBXN11	0.209548	-1.82502	9.47851	9.242	1.17814
3	hcs087h07	91544	UBXN11	0.735662	0.387617	9.53074	9.49091	1.02799
5	hcs087h07	91544	UBXN11	0.351273	-1.20554	9.4254	9.53129	-1.07616
1	hcs087h08	10066	SCAMP2	0.0395533	-4.87775	9.85254	9.65151	1.14952
3	hcs087h08	10066	SCAMP2	0.872971	0.181113	10.0012	9.96972	1.02204
5	hcs087h08	10066	SCAMP2	0.115662	2.67891	9.99212	9.58958	1.32183
1	hcs087h09	56257	MEPCE	0.205435	-1.85066	9.61801	9.3027	1.24428
3	hcs087h09	56257	MEPCE	0.829453	-0.244776	9.66754	9.71427	-1.03293
5	hcs087h09	56257	MEPCE	0.390796	1.08642	9.61706	9.43378	1.13547
1	hcs088a03	51614	ERGIC3	0.0764926	3.40486	10.628	10.7706	0.905864
3	hcs088a03	51614	ERGIC3	0.0311232	5.53518	10.8438	10.5884	1.19361
5	hcs088a03	51614	ERGIC3	0.0161199	7.7807	10.7506	10.6583	1.06607
7	hcs088a03	51614	ERGIC3	0.524791	-0.763799	10.0888	10.1991	-1.07945
1	hcs088a04	10174	SORBS3	0.595415	-0.625664	9.92326	9.80211	1.0876
3	hcs088a04	10174	SORBS3	0.459196	-0.909249	10.2751	10.436	-1.11799
5	hcs088a04	10174	SORBS3	0.345336	1.22478	10.0959	9.90818	1.13896
1	hcs088a05	7114	TMSB4X	0.923216	0.10891	12.5531	12.572	0.987007
3	hcs088a05	7114	TMSB4X	0.0345409	5.24023	13.1144	12.495	1.53627
5	hcs088a05	7114	TMSB4X	0.129053	2.50664	13.3675	12.6974	1.59115
7	hcs088a05	7114	TMSB4X	0.151396	2.26852	13.0946	12.5144	1.49506
1	hcs088a07	10695	CNPY3	0.242057	-1.6432	9.70054	9.45816	1.18294
3	hcs088a07	10695	CNPY3	0.389465	1.0902	10.4655	10.2139	1.19053
5	hcs088a07	10695	CNPY3	0.21652	1.78303	10.4041	10.0456	1.2821
1	hcs088a09	55210	ATAD3A	0.1834	-2.00076	9.77864	9.52484	1.19235
3	hcs088a09	55210	ATAD3A	0.606373	0.60556	10.1707	10.0961	1.0531

5	hcs088a09	55210	ATAD3A	0.535555	-0.74167	9.96172	10.0782	-1.08407
3	hcs088a11	645	BLVRB	0.260383	-1.55414	9.69218	9.78341	-1.06527
5	hcs088a11	645	BLVRB	0.195616	1.91475	9.28837	9.11155	1.13039
1	hcs088b09	9619	ABCG1	0.0338285	-5.29806	9.63037	9.38808	1.18287
3	hcs088b09	9619	ABCG1	0.898215	0.144697	9.55229	9.51882	1.02347
5	hcs088b09	9619	ABCG1	0.755006	-0.357365	9.378	9.41818	-1.02825
1	hcs088b10	10573	MRPL28	0.120069	-2.61926	9.69267	9.22307	1.38473
5	hcs088b10	10573	MRPL28	0.0608752	3.86558	9.37331	9.11198	1.19859
1	hcs088c03	9138	ARHGEF1	0.906144	0.13332	9.816	9.84531	0.979891
3	hcs088c03	9138	ARHGEF1	0.645817	0.535612	10.4142	10.3019	1.08095
5	hcs088c03	9138	ARHGEF1	0.503163	-0.809632	10.0129	10.1832	-1.1253
3	hcs088c06	64121	RRAGC	0.485354	0.848866	10.2695	10.148	1.08788
5	hcs088c06	64121	RRAGC	0.94013	-0.0848205	9.76518	9.78976	-1.01718
1	hcs088c08	5875	RABGGTA	0.925063	-0.106276	9.6765	9.65525	1.01484
3	hcs088c08	5875	RABGGTA	0.519109	-0.77566	10.0774	10.2445	-1.12279
5	hcs088c08	5875	RABGGTA	0.710279	0.428087	9.98155	9.92098	1.04288
5	hcs088c09	10534	SSSCA1	0.732225	0.393045	9.58504	9.51901	1.04684
3	hcs088d01	83982	IFI27L2	0.204479	-1.85672	9.54857	9.74473	-1.14564
5	hcs088d01	83982	IFI27L2	0.500891	-0.814559	9.8021	9.96329	-1.11821
1	hcs088d02	4494	MT1F	0.441128	0.953104	10.5392	10.6304	0.938764
3	hcs088d02	4494	MT1F	0.0355614	-5.16037	9.94037	10.9891	-2.06876
5	hcs088d02	4494	MT1F	0.0318939	-5.46462	9.86804	10.844	-1.9669
7	hcs088d02	4494	MT1F	0.022376	-6.5724	9.36674	10.8678	-2.83056
1	hcs088d03	4782	NFIC	0.0630098	-3.793	10.4226	10.3008	1.08812
3	hcs088d03	4782	NFIC	0.500962	-0.814405	10.3741	10.4929	-1.08588
5	hcs088d03	4782	NFIC	0.11347	2.70979	10.3765	10.1162	1.1977
7	hcs088d03	4782	NFIC	0.775025	0.326534	9.98046	9.94868	1.02228
1	hcs088d04	63875	MRPL17	0.363734	-1.16637	9.86909	9.27515	1.50937
3	hcs088d04	63875	MRPL17	0.24387	1.63401	9.89248	9.67603	1.16187
1	hcs088d06	1174	AP1S1	0.637309	-0.550399	9.75631	9.69626	1.0425
3	hcs088d06	1174	AP1S1	0.0739031	-3.47137	10.2488	10.4343	-1.13715
5	hcs088d06	1174	AP1S1	0.312001	1.34072	9.84649	9.7702	1.0543
7	hcs088d06	1174	AP1S1	0.259386	1.55877	10.0489	9.86781	1.13377
5	hcs088d12			0.30307	-1.37436	8.8591	9.06044	-1.14976
1	hcs088e02	57020	C16orf62	0.295471	-1.40396	9.80231	9.59623	1.15355
3	hcs088e02	57020	C16orf62	0.34385	1.22966	10.4949	10.3105	1.13633
5	hcs088e02	57020	C16orf62	0.764781	-0.342252	10.4608	10.4967	-1.02516
5	hcs088e04	55316	RSAD1	0.1683	-2.11842	9.73822	10.0788	-1.26625
5	hcs088e05	4152	MBD1	0.396792	1.06956	10.6113	10.4844	1.09193
1	hcs088f02	7351	UCP2	0.0007921	35.5088	9.6047	10.1098	0.704623
3	hcs088f02	7351	UCP2	0.822856	0.254545	10.3563	10.2862	1.04979
5	hcs088f02	7351	UCP2	0.160213	2.18751	10.2297	10.1002	1.09387
7	hcs088f02	7351	UCP2	0.452607	0.925024	10.02	9.80798	1.15831
3	hcs088f03	51093	C1orf66	0.322353	1.30318	10.4299	10.3628	1.04759
1	hcs088f05	?	?	0.402734	1.05314	9.90382	10.3837	0.71702
3	hcs088f05	?	?	0.957119	0.0606988	10.4263	10.4178	1.00593
5	hcs088f05	?	?	0.120457	2.61414	10.751	10.0999	1.57035

7	hcs088f05	?	?	0.806811	-0.278457	9.84108	9.92253	-1.05808
5	hcs088f09	55367	LRDD	0.540601	-0.731442	9.38112	9.5261	-1.10572
1	hcs088f11	124602	KIF19	0.575128	0.663748	10.6797	10.8032	0.917937
3	hcs088f11	124602	KIF19	0.923765	0.108127	10.7037	10.6815	1.01551
5	hcs088f11	124602	KIF19	0.915174	0.120396	10.8042	10.7733	1.02165
7	hcs088f11	124602	KIF19	0.291376	-1.4203	10.1633	10.39	-1.17016
1	hcs088f12	63905	MANBAL	0.0938349	-3.03012	9.59338	9.32893	1.20117
5	hcs088f12	63905	MANBAL	0.560735	0.6915	9.56448	9.38818	1.12998
1	hcs088g03	6565	SLC15A2	0.864879	0.192859	9.76956	9.78505	0.98932
3	hcs088g03	6565	SLC15A2	0.688586	0.463451	10.1946	10.0813	1.08175
5	hcs088g03	6565	SLC15A2	0.573998	0.665904	10.1864	10.0581	1.09302
1	hcs088g04	64975	MRPL41	0.361398	1.17359	9.62227	9.75156	0.914281
3	hcs088g04	64975	MRPL41	0.764009	0.343443	10.1453	10.0689	1.05433
5	hcs088g04	64975	MRPL41	0.194038	-1.92545	9.357	9.71058	-1.27772
1	hcs088g07	51081	MRPS7	0.255798	-1.57565	10.1278	9.90502	1.16698
3	hcs088g07	51081	MRPS7	0.518822	0.77626	10.3122	10.1509	1.11829
5	hcs088g07	51081	MRPS7	0.279875	-1.46778	9.77219	10.0567	-1.21795
3	hcs088g08	54850	FBXL12	0.477715	0.866144	10.0838	9.89421	1.14044
5	hcs088g08	54850	FBXL12	0.517122	0.779836	9.9047	9.77781	1.09193
5	hcs088g11			0.899187	-0.143302	9.51114	9.53124	-1.01403
1	hcs088h02	951	CD37	0.866626	0.190319	9.48423	9.5278	0.970249
3	hcs088h02	951	CD37	0.840897	0.227909	9.50602	9.45288	1.03752
5	hcs088h02	951	CD37	0.120429	-2.61452	9.41341	9.69851	-1.2185
3	hcs088h03	4047	LSS	0.32867	1.28097	9.93745	9.91408	1.01633
5	hcs088h03	4047	LSS	0.447291	0.937932	9.78057	9.57946	1.14958
1	hcs088h04	127281	C1orf93	0.449573	0.932372	9.52503	9.67161	0.903387
3	hcs088h04	127281	C1orf93	0.748812	-0.367	9.7112	9.77334	-1.04402
5	hcs088h04	127281	C1orf93	0.179433	2.03036	9.81777	9.44196	1.29757
7	hcs088h04	127281	C1orf93	0.0317427	5.47826	9.50966	9.28688	1.16698
5	hcs088h05	133957	CCDC127	0.37496	-1.1324	9.5379	9.65066	-1.08129
1	hcs088h07	6415	SEPW1	0.231216	1.70009	9.45067	9.86086	0.752524
3	hcs088h07	6415	SEPW1	0.140856	-2.37431	9.41233	10.046	-1.55151
5	hcs088h07	6415	SEPW1	0.0631746	-3.78754	9.42113	9.84562	-1.3421
5	hcs089a01	8974	P4HA2	0.866749	-0.190141	9.61443	9.65171	-1.02617
1	hcs089a05	11151	CORO1A	0.512024	0.790626	9.30056	9.39315	0.937837
1	hcs089a06	8566	PDXK	0.770362	0.333674	9.92243	9.98725	0.956067
3	hcs089a06	8566	PDXK	0.361866	1.17214	10.2555	10.105	1.10996
5	hcs089a06	8566	PDXK	0.0081173	11.0316	10.2155	9.94283	1.20802
7	hcs089a06	8566	PDXK	0.516834	-0.780442	9.75036	9.86115	-1.07981
1	hcs089a08	10227	MFSD10	0.857452	0.203674	9.43777	9.48165	0.970042
3	hcs089a08	10227	MFSD10	0.482695	0.854849	9.85846	9.63726	1.1657
5	hcs089a08	10227	MFSD10	0.260478	1.55369	9.70202	9.40863	1.22552
7	hcs089a08	10227	MFSD10	0.301945	-1.37868	9.05425	9.3216	-1.2036
5	hcs089a12	?	?	0.901236	-0.14036	9.19308	9.21548	-1.01565
3	hcs089b01	5824	PEX19	0.415333	1.01919	9.75726	9.63578	1.08786
5	hcs089b01	5824	PEX19	0.696043	0.451209	9.93129	9.8191	1.08086
5	hcs089b02	221955	DAGLB	0.0069412	-11.9402	9.90678	10.2172	-1.24003

1	hcs089b03	6015	RING1	0.486862	-0.845487	10.0101	9.85355	1.11462
5	hcs089b03	6015	RING1	0.146605	2.3153	10.5124	10.3908	1.08792
1	hcs089b04			0.867513	0.189032	9.90997	9.92058	0.99267
3	hcs089b04			0.188864	1.96137	10.569	10.2486	1.24865
5	hcs089b04			0.0707966	3.55574	10.2635	9.84769	1.33405
1	hcs089b06	9555	H2AFY	0.691099	-0.459316	10.4686	10.3767	1.06575
3	hcs089b06	9555	H2AFY	0.819627	-0.25934	10.6211	10.6683	-1.03328
5	hcs089b06	9555	H2AFY	0.140635	2.37664	10.4261	10.3309	1.06822
7	hcs089b06	9555	H2AFY	0.888421	0.158788	9.837	9.82276	1.00992
1	hcs089b12	1856	DVL2	0.487548	0.843954	11.1482	11.2755	0.915522
3	hcs089b12	1856	DVL2	0.533298	-0.746274	10.924	11.0378	-1.08202
5	hcs089b12	1856	DVL2	0.972902	-0.0383367	10.9997	11.0096	-1.00689
7	hcs089b12	1856	DVL2	0.399734	-1.06139	10.4093	10.6558	-1.18628
1	hcs089c01	1603	DAD1	0.824964	-0.25142	10.0614	10.0336	1.01945
5	hcs089c01	1603	DAD1	0.165161	2.1447	10.3266	10.0819	1.18491
7	hcs089c01	1603	DAD1	0.595156	-0.626143	9.8593	9.97153	-1.0809
5	hcs089c02	197322	ACSF3	0.387652	-1.09538	8.80702	9.28356	-1.3914
5	hcs089c05	55125	CEP192	0.292794	-1.41461	9.18891	9.6817	-1.40717
5	hcs089c09	1968	EIF2S3	0.557774	-0.69729	9.72594	9.8181	-1.06596
5	hcs089c10	51248	PDZD11	0.384317	-1.10497	9.32211	9.35578	-1.02361
3	hcs089d02	284835	C21orf130	0.823801	-0.253143	9.86344	9.90285	-1.02769
3	hcs089d04	25945	PVRL3	0.38105	1.11446	10.1066	9.81017	1.22809
5	hcs089d04	25945	PVRL3	0.353684	1.19783	10.0882	9.85474	1.17564
1	hcs089d06	2193	FARSA	0.0593841	-3.91852	10.0545	9.75391	1.23165
3	hcs089d06	2193	FARSA	0.977105	-0.0323874	10.1861	10.1889	-1.00198
5	hcs089d06	2193	FARSA	0.230103	1.70613	10.2481	9.96639	1.21562
1	hcs089e10	11057	ABHD2	0.511899	-0.790891	9.58434	9.12027	1.37942
3	hcs089e10	11057	ABHD2	0.480963	-0.858762	9.47318	9.61893	-1.10631
5	hcs089e10	11057	ABHD2	0.390098	1.0884	9.56106	9.47594	1.06078
5	hcs089e12	51114	ZDHHC9	0.0802702	3.31343	9.29134	8.88273	1.32741
1	hcs089f01	28974	C19orf53	0.222712	-1.74722	9.96699	9.60485	1.28533
3	hcs089f01	28974	C19orf53	0.180103	-2.02531	10.0204	10.1609	-1.10232
5	hcs089f01	28974	C19orf53	0.63417	0.555895	10.2086	10.0598	1.10864
7	hcs089f01	28974	C19orf53	0.792986	-0.299244	9.44999	9.47722	-1.01906
1	hcs089f04	54507	ADAMTSL4	0.347165	1.21881	9.31444	9.90949	0.662022
3	hcs089f04	54507	ADAMTSL4	0.852391	-0.211062	9.84817	9.99605	-1.10794
5	hcs089f04	54507	ADAMTSL4	0.856779	-0.204655	10.0272	10.1329	-1.07603
7	hcs089f04	54507	ADAMTSL4	0.496052	-0.825127	9.45331	9.66874	-1.16104
1	hcs089f05	10458	BAIAP2	0.259029	-1.56044	9.58448	9.38673	1.14691
5	hcs089f05	10458	BAIAP2	0.839416	-0.230086	9.74932	9.80377	-1.03846
5	hcs089f06	83464	APH1B	0.948903	-0.0723564	9.26984	9.28785	-1.01256
1	hcs089f09	9601	PDIA4	0.146107	2.32028	9.47443	10.0611	0.66586
3	hcs089f09	9601	PDIA4	0.136037	-2.42641	10.2328	10.4164	-1.13569
5	hcs089f09	9601	PDIA4	0.313449	1.33538	10.21	10.1246	1.06094
7	hcs089f09	9601	PDIA4	0.189306	-1.95824	9.68764	9.91653	-1.17194
5	hcs089f10	112770	C1orf85	0.128347	2.51509	9.65929	9.34869	1.24022
3	hcs089f12	29803	REPIN1	0.164169	2.15314	9.4344	9.18229	1.19095

5	hcs089f12	29803	REPIN1	0.32596	1.29043	9.46277	9.335	1.0926
1	hcs089g03	51734	SEPX1	0.476512	-0.868891	9.66541	9.50388	1.11847
3	hcs089g03	51734	SEPX1	0.441034	0.953336	9.56204	9.43383	1.09293
5	hcs089g03	51734	SEPX1	0.210643	1.8183	9.51301	9.31879	1.14411
1	hcs089g05	23677	SH3BP4	0.526759	-0.759722	9.76376	9.55656	1.15444
3	hcs089g05	23677	SH3BP4	0.192668	1.93483	10.2037	9.62262	1.49597
5	hcs089g05	23677	SH3BP4	0.0992614	2.93266	10.4707	9.94887	1.43578
5	hcs089g06	3598	IL13RA2	0.955086	0.0635821	9.74544	9.72394	1.01501
3	hcs089g07	10314	LANCL1	0.958054	0.0593723	9.66723	9.65749	1.00678
5	hcs089g07	10314	LANCL1	0.39988	-1.06099	9.76063	9.89326	-1.0963
3	hcs089g08	124997	WDR81	0.896231	0.147548	9.6226	9.60925	1.0093
5	hcs089g08	124997	WDR81	0.661985	0.507922	9.6258	9.52144	1.07502
5	hcs089g09	5803	PTPRZ1	0.241609	1.64548	9.47798	9.30036	1.13102
1	hcs089h02	10598	AHSA1	0.0507981	-4.266	10.2036	9.40024	1.74516
5	hcs089h02	10598	AHSA1	0.54896	0.714693	10.391	10.2733	1.08497
3	hcs089h03	147007	TMEM199	0.314438	1.33175	10.2751	10.0675	1.1548
5	hcs089h03	147007	TMEM199	0.22974	-1.70811	9.30582	9.57105	-1.20183
5	hcs089h06	3669	ISG20	0.592827	-0.630458	9.82525	10.035	-1.1565
1	hcs089h12	23654	PLXNB2	0.450647	0.929764	10.0944	10.2694	0.885798
3	hcs089h12	23654	PLXNB2	0.479299	0.862539	10.3889	10.2288	1.11737
5	hcs089h12	23654	PLXNB2	0.245776	1.62444	10.5955	10.1896	1.32492
7	hcs089h12	23654	PLXNB2	0.0553223	4.07309	10.0076	9.75876	1.18822
1	hcs090a01	1912	PHC2	0.592342	-0.631358	9.53611	9.38045	1.11393
3	hcs090a01	1912	PHC2	0.49702	0.823005	9.5268	9.31208	1.16048
5	hcs090a01	1912	PHC2	0.0588558	3.93775	9.89453	9.41901	1.39042
1	hcs090a03	572	BAD	0.275974	-1.48444	9.8429	9.59326	1.18891
5	hcs090a03	572	BAD	0.872861	-0.181272	10.176	10.1993	-1.01627
1	hcs090a04	55512	SMPD3	0.808275	0.276266	8.87927	9.01984	0.907161
5	hcs090a07	56894	AGPAT3	0.139035	2.3937	9.74568	9.28906	1.37232
1	hcs090a08	28987	NOB1	0.446332	-0.940278	9.67283	9.43666	1.17786
3	hcs090a08	28987	NOB1	0.421106	1.00402	9.58105	9.49811	1.05917
5	hcs090a08	28987	NOB1	0.675996	-0.484339	9.07574	9.10693	-1.02185
1	hcs090a09	6892	TAPBP	0.901941	-0.139348	9.49672	9.4622	1.02422
3	hcs090a09	6892	TAPBP	0.142289	2.35929	9.70527	9.40272	1.23333
5	hcs090a09	6892	TAPBP	0.0698101	3.58366	10.0788	9.70407	1.29657
3	hcs090b02	1829	DSG2	0.997776	-0.0031457	9.97833	9.97893	-1.00042
5	hcs090b02	1829	DSG2	0.858796	-0.201714	10.0157	10.0739	-1.04119
5	hcs090b05	2868	GRK4	0.754258	-0.358525	10.058	10.1133	-1.03913
3	hcs090b07	54704	PDP1	0.306764	1.3603	10.2841	9.76881	1.42925
5	hcs090b07	54704	PDP1	0.309761	1.34905	10.1807	9.64663	1.44805
1	hcs090b11	9925	ZBTB5	0.169751	-2.10651	10.0238	9.60775	1.33427
3	hcs090b11	9925	ZBTB5	0.672904	0.489511	9.98814	9.77094	1.16248
5	hcs090b11	9925	ZBTB5	0.13655	2.42073	10.0957	9.5983	1.41167
7	hcs090b11	9925	ZBTB5	0.0684525	3.62304	9.57368	9.22232	1.27576
5	hcs090c09	9600	PITPNM1	0.673144	0.489109	9.86437	9.79517	1.04913
1	hcs090d02	9052	GPRC5A	0.29249	1.41583	10.4204	10.7438	0.799158
3	hcs090d02	9052	GPRC5A	0.139682	-2.38676	10.4884	10.7746	-1.21945

5	hcs090d02	9052	GPRC5A	0.768759	-0.336135	10.4981	10.642	-1.10491
7	hcs090d02	9052	GPRC5A	0.059839	-3.90217	9.65104	10.3362	-1.60784
3	hcs090d03	57506	MAVS	0.408425	-1.03766	9.732	9.89675	-1.12097
5	hcs090d03	57506	MAVS	0.925395	0.105802	9.97722	9.96432	1.00898
1	hcs090d04	84432	PROK1	0.121982	-2.5943	9.84732	9.47491	1.29451
3	hcs090d04	84432	PROK1	0.743309	-0.3756	9.73036	9.83102	-1.07226
5	hcs090d04	84432	PROK1	0.0985767	-2.94454	9.85468	10.0615	-1.15412
1	hcs090d05	2197	FAU	0.260312	1.55446	11.2683	11.5235	0.83789
3	hcs090d05	2197	FAU	0.982463	-0.0248042	11.4186	11.4198	-1.00083
5	hcs090d05	2197	FAU	0.680855	0.476243	11.48	11.3771	1.07388
7	hcs090d05	2197	FAU	0.568134	-0.677153	10.9835	11.1318	-1.10821
1	hcs090d07	55861	DBNDD2	0.0872172	-3.16045	9.88517	9.62879	1.19447
3	hcs090d07	55861	DBNDD2	0.033845	5.29671	10.225	9.88572	1.26512
5	hcs090d07	55861	DBNDD2	0.0470492	4.44594	10.0015	9.63692	1.28749
5	hcs090d09	283234	CCDC88B	0.69882	0.446673	9.54496	9.47057	1.05291
1	hcs090d11	6734	SRPR	0.917551	-0.116999	9.91357	9.87884	1.02436
3	hcs090d11	6734	SRPR	0.875351	0.177665	9.97053	9.93569	1.02444
5	hcs090d11	6734	SRPR	0.759269	0.35076	9.96102	9.897	1.04537
7	hcs090d11	6734	SRPR	0.694656	-0.453479	9.4692	9.61906	-1.10947
1	hcs090d12	7329	UBE2I	0.162729	-2.16552	9.66075	9.28582	1.29677
5	hcs090d12	7329	UBE2I	0.901128	-0.140515	9.32391	9.33555	-1.0081
1	hcs090e02	114926	C8orf40	0.926387	-0.104387	9.56986	9.54302	1.01878
5	hcs090e02	114926	C8orf40	0.0636919	3.77055	10.119	9.15815	1.94651
3	hcs090e05	27257	LSM1	0.685617	0.468352	9.7865	9.74956	1.02594
1	hcs090e06	10890	RAB10	0.891976	0.153668	9.6713	9.69799	0.981668
3	hcs090e06	10890	RAB10	0.588853	0.637857	10.1457	9.99378	1.11106
5	hcs090e06	10890	RAB10	0.324603	1.29521	9.80768	9.60054	1.1544
1	hcs090e08	5690	PSMB2	0.377167	-1.12586	9.89363	9.6998	1.1438
3	hcs090e08	5690	PSMB2	0.773508	-0.328854	9.867	9.98007	-1.08153
5	hcs090e08	5690	PSMB2	0.186374	1.97912	10.0533	9.64395	1.32804
7	hcs090e08	5690	PSMB2	0.762234	0.34618	9.69444	9.64936	1.03174
1	hcs090e09	64834	ELOVL1	0.777707	-0.322438	9.9666	9.9101	1.03994
3	hcs090e09	64834	ELOVL1	0.96186	-0.0539768	10.08	10.1048	-1.01732
5	hcs090e09	64834	ELOVL1	0.130166	2.49346	10.288	9.79591	1.40652
7	hcs090e09	64834	ELOVL1	0.127134	2.52976	9.88663	9.57624	1.24004
3	hcs090e12	84270	C9orf89	0.730279	-0.396125	9.26837	9.3303	-1.04386
5	hcs090e12	84270	C9orf89	0.16049	2.18507	9.25096	8.85522	1.31562
5	hcs090f01	?	?	0.184191	-1.99496	9.88624	10.1615	-1.2102
1	hcs090f03	518	ATP5G3	0.555358	0.702036	10.3018	10.3344	0.977664
3	hcs090f03	518	ATP5G3	0.345607	1.22389	10.501	10.3186	1.13482
5	hcs090f03	518	ATP5G3	0.0161659	7.76935	10.3916	10.1285	1.20005
7	hcs090f03	518	ATP5G3	0.221557	1.7538	10.1857	9.85619	1.2566
5	hcs090f06	55240	STEAP3	0.555239	-0.70227	10.0146	10.14	-1.0908
5	hcs090f07	9813	KIAA0494	0.0510555	4.25436	10.499	10.0227	1.39114
5	hcs090g01	219541	MED19	0.795056	0.29612	10.3289	10.212	1.08438
5	hcs090g03	7175	TPR	0.606288	-0.605715	9.60619	9.73289	-1.09179
5	hcs090g05	26523	EIF2C1	0.017966	7.35971	10.3103	10.0094	1.23193

1	hcs090g07	22818	COPZ1	0.685675	0.468256	9.76079	9.84452	0.943613
3	hcs090g07	22818	COPZ1	0.731489	-0.394208	9.98118	10.0225	-1.02905
3	hcs090g08	85012	TCEAL3	0.764304	0.342988	10.0193	9.9839	1.02487
5	hcs090g08	85012	TCEAL3	0.840063	0.229134	9.75716	9.7345	1.01583
1	hcs090g09			0.469351	-0.885392	9.77599	9.6187	1.11519
3	hcs090g09			0.710559	0.427635	10.0126	9.86194	1.1101
5	hcs090g09			0.247432	1.6162	10.103	9.67203	1.34813
3	hcs090g10	4684	NCAM1	0.978403	0.0305494	9.7059	9.69464	1.00784
5	hcs090g10	4684	NCAM1	0.327093	1.28647	9.36905	9.06363	1.23578
1	hcs090g11	10466	COG5	0.838471	-0.231476	9.66011	9.61492	1.03182
3	hcs090g11	10466	COG5	0.404804	1.04748	9.89547	9.74897	1.10688
5	hcs090g11	10466	COG5	0.0518248	4.22008	10.0134	9.55704	1.37203
7	hcs090g11	10466	COG5	0.11292	2.71767	9.73043	9.25863	1.38684
3	hcs090g12	6818	SULT1A3	0.820905	-0.25744	9.67619	9.72714	-1.03595
5	hcs090g12	6818	SULT1A3	0.353577	1.19817	9.76723	9.57978	1.13875
3	hcs090h01	7322	UBE2D2	0.646671	0.534134	10.3951	10.3511	1.03099
5	hcs090h01	7322	UBE2D2	0.59402	-0.628246	10.0891	10.2507	-1.1185
1	hcs090h02	11057	ABHD2	0.902593	0.138413	9.24482	9.29746	0.964168
3	hcs090h02	11057	ABHD2	0.686617	0.466699	10.2528	10.1201	1.09633
5	hcs090h02	11057	ABHD2	0.53038	-0.752255	9.98252	10.1649	-1.13474
3	hcs090h03	8544	PIR	0.56346	-0.686197	9.97509	10.097	-1.08817
5	hcs090h03	8544	PIR	0.359693	-1.17889	9.41044	9.79908	-1.30916
1	hcs090h05	441212	RP9P	0.211793	1.8113	9.89546	10.1529	0.836587
3	hcs090h05	441212	RP9P	0.872065	0.182426	10.5399	10.5077	1.02257
5	hcs090h05	441212	RP9P	0.599159	-0.61876	10.2194	10.2591	-1.02792
7	hcs090h05	441212	RP9P	0.676639	0.483264	9.84875	9.79126	1.04065
5	hcs090h07	56945	MRPS22	0.344797	1.22655	10.3061	10.0709	1.1771
1	hcs090h09	10297	APC2	0.516684	-0.780759	9.57381	9.54598	1.01948
3	hcs090h09	10297	APC2	0.786376	-0.309248	10.1022	10.1602	-1.04103
5	hcs090h09	10297	APC2	0.910878	0.126541	10.1222	10.1098	1.00863
1	hcs090h11	60509	AGBL5	0.125144	2.55424	9.38188	9.56743	0.879316
3	hcs090h11	60509	AGBL5	0.756272	0.355401	9.55908	9.47141	1.06265
5	hcs090h11	60509	AGBL5	0.212632	1.80622	9.63732	9.46659	1.12563
1	hcs090h12	112483	SAT2	0.668275	0.497288	9.76644	9.82628	0.959368
3	hcs090h12	112483	SAT2	0.886871	-0.161022	9.8767	9.90592	-1.02046
5	hcs090h12	112483	SAT2	0.899552	0.142777	9.8014	9.77707	1.01701
7	hcs090h12	112483	SAT2	0.198974	1.89236	9.52056	9.31499	1.15314
1	hcs091a04	728392	LOC728392	0.0631102	3.78967	11.9208	12.0023	0.945052
3	hcs091a04	728392	LOC728392	0.194233	1.92412	12.2157	12.1381	1.05529
5	hcs091a04	728392	LOC728392	0.588212	-0.639054	12.298	12.3594	-1.04353
7	hcs091a04	728392	LOC728392	0.541175	-0.730283	11.7483	11.8761	-1.0926
3	hcs091a06	?	?	0.408236	1.03817	10.3425	10.2295	1.0815
5	hcs091a06	?	?	0.5409	-0.730837	9.80472	9.88438	-1.05677
3	hcs091a07	?	?	0.973942	0.0368642	9.90313	9.89749	1.00392
5	hcs091a07	?	?	0.443179	0.948029	10.036	9.90204	1.09731
1	hcs091a08	5479	PPIB	0.237377	1.66735	10.4059	10.7779	0.772729
3	hcs091a08	5479	PPIB	0.593473	0.62926	11.1755	11.0357	1.10173

5	hcs091a08	5479	PPIB	0.771474	0.331969	11.011	10.9367	1.05287
7	hcs091a08	5479	PPIB	0.629889	-0.563426	10.4063	10.5436	-1.09985
3	hcs091a09	440498	HSBP1L1	0.0873904	3.15686	10.136	10.0587	1.05506
5	hcs091a09	440498	HSBP1L1	0.373865	1.13566	9.41036	9.19897	1.1578
1	hcs091a10	55132	LARP1B	0.162852	-2.16445	10.028	9.89995	1.09282
3	hcs091a10	55132	LARP1B	0.108354	-2.78525	9.81702	10.2296	-1.33105
5	hcs091a10	55132	LARP1B	0.0055474	-13.3702	9.64949	10.112	-1.37795
7	hcs091a10	55132	LARP1B	0.0053728	-13.5875	9.03608	9.97874	-1.92207
1	hcs091a11	93974	ATPIF1	0.994164	0.0082537	9.41853	9.41955	0.999291
3	hcs091a11	93974	ATPIF1	0.424471	0.995279	9.62849	9.59406	1.02415
5	hcs091a11	93974	ATPIF1	0.234137	-1.68443	9.26861	9.33414	-1.04647
1	hcs091b02	4714	NDUFB8	0.786251	-0.309438	9.48688	9.42388	1.04464
3	hcs091b02	4714	NDUFB8	0.0881887	-3.14044	9.47736	9.87836	-1.32043
3	hcs091b08	374882	TMEM205	0.716614	0.417899	9.57086	9.50725	1.04508
5	hcs091b08	374882	TMEM205	0.207152	1.83987	9.63912	9.41958	1.16436
5	hcs091b10	10128	LRPPRC	0.888341	-0.158903	9.53028	9.55151	-1.01483
5	hcs091b12	?	?	0.162194	2.17016	9.06356	8.83912	1.16832
3	hcs091c01	5092	PCBD1	0.983735	-0.0230052	9.90756	9.91022	-1.00184
1	hcs091c02	1725	DHPS	0.695813	0.451585	8.90006	9.10051	0.870281
3	hcs091c02	1725	DHPS	0.28729	1.4369	10.0124	9.93245	1.05699
5	hcs091c04	23492	CBX7	0.163554	-2.1584	9.52537	9.83427	-1.23876
1	hcs091c06	51171	HSD17B14	0.463333	-0.899464	9.93175	9.53032	1.32082
3	hcs091c06	51171	HSD17B14	0.344059	1.22897	10.4116	10.2839	1.09257
5	hcs091c06	51171	HSD17B14	0.200972	1.87927	10.001	9.74134	1.1972
1	hcs091c07	7936	RDBP	0.251995	-1.59387	9.95169	9.53598	1.33395
3	hcs091c07	7936	RDBP	0.0374966	5.01783	10.4216	9.95279	1.38401
5	hcs091c07	7936	RDBP	0.16698	2.12938	10.2582	9.94465	1.24277
7	hcs091c07	7936	RDBP	0.695758	0.451674	9.58258	9.45635	1.09144
1	hcs091d03	6347	CCL2	0.226675	-1.72497	9.97855	9.6659	1.24198
3	hcs091d03	6347	CCL2	0.0176422	7.42878	10.4584	9.86896	1.50466
5	hcs091d03	6347	CCL2	0.0227711	6.51315	10.5149	9.39531	2.17285
7	hcs091d03	6347	CCL2	0.152391	2.25905	10.4808	9.39717	2.11942
3	hcs091d04	9881	TRANK1	0.969337	0.0433842	9.48413	9.47194	1.00849
1	hcs091e03	3119	HLA-DQB1	0.981567	-0.0260725	9.86897	9.86152	1.00518
5	hcs091e03	3119	HLA-DQB1	0.141389	-2.3687	10.1532	10.5421	-1.30941
3	hcs091e05	345557	PLCXD3	0.168133	2.11981	10.2118	9.98317	1.17169
1	hcs091f03	92856	IMP4	0.201255	-1.87743	9.63801	9.46087	1.13064
1	hcs091f05	4192	MDK	0.449249	0.933158	9.78956	10.0419	0.839526
3	hcs091f05	4192	MDK	0.638177	0.548883	10.441	10.335	1.07622
5	hcs091f05	4192	MDK	0.597441	-0.621923	10.0646	10.1561	-1.06553
7	hcs091f05	4192	MDK	0.594321	-0.627689	9.79202	9.86695	-1.05331
1	hcs091f07	25930	PTPN23	0.123856	-2.57039	9.18714	8.9825	1.1524
1	hcs091f09	9564	BCAR1	0.799167	0.289928	9.37245	9.43666	0.956467
3	hcs091f09	9564	BCAR1	0.481994	0.85643	9.79452	9.60313	1.14186
5	hcs091f09	9564	BCAR1	0.192972	1.93275	9.70592	9.38985	1.24494
7	hcs091f09	9564	BCAR1	0.344594	1.22721	9.5315	9.2688	1.19972
1	hcs091f12	5928	RBBP4	0.156425	-2.22155	10.0084	9.48564	1.4367



3	hcs091f12	5928	RBBP4	0.422879	0.999405	9.50826	9.34501	1.11981
5	hcs091f12	5928	RBBP4	0.0395552	4.87762	9.73355	9.41494	1.24713
1	hcs091g02	80212	CCDC92	0.676913	-0.482807	10.0357	9.95203	1.05971
3	hcs091g02	80212	CCDC92	0.601142	0.615117	10.1447	10.0361	1.07821
5	hcs091g02	80212	CCDC92	0.122162	2.59199	10.1468	9.85116	1.22745
7	hcs091g02	80212	CCDC92	0.0706507	3.55984	9.82057	9.36565	1.3707
1	hcs091g03			0.579572	0.655304	11.2692	11.4808	0.863559
3	hcs091g03			0.531308	0.75035	11.5125	11.3625	1.10954
5	hcs091g03			0.960027	0.0565758	11.664	11.6378	1.01833
7	hcs091g03			0.494652	-0.828205	10.8072	11.164	-1.28055
5	hcs091g04	54915	YTHDF1	0.260218	1.5549	10.5732	10.2482	1.25272
1	hcs091g05	8140	SLC7A5	0.312565	1.33864	10.0944	10.3549	0.834785
3	hcs091g05	8140	SLC7A5	0.750912	0.363728	10.8203	10.7534	1.04745
5	hcs091g05	8140	SLC7A5	0.88073	-0.169886	10.4137	10.4397	-1.01822
7	hcs091g05	8140	SLC7A5	0.955101	0.0635605	9.96755	9.9624	1.00358
1	hcs091h06	10486	CAP2	0.536683	-0.739376	9.65547	9.44376	1.15806
3	hcs091h06	10486	CAP2	0.267499	1.52169	9.94038	9.59572	1.26985
5	hcs091h06	10486	CAP2	0.49529	0.826802	9.76007	9.57727	1.13508
5	hcs091h11	51693	TRAPPC2L	0.155186	2.23293	9.28773	8.93191	1.27971
3	hcs092a03			0.95971	-0.0570254	10.0737	10.0905	-1.01169
5	hcs092a03			0.435088	-0.968193	9.6254	10.1902	-1.47919
5	hcs092a04	?	?	0.642209	0.541864	10.0552	9.96417	1.0651
3	hcs092a05	10908	PNPLA6	0.554107	-0.704501	10.4316	10.7853	-1.27783
5	hcs092a07	64771	C6orf106	0.41297	1.02547	9.91519	9.65111	1.20087
1	hcs092a08	55226	NAT10	0.596222	-0.624171	9.53817	9.30723	1.1736
5	hcs092a08	55226	NAT10	0.256487	-1.57238	9.76232	9.81636	-1.03817
1	hcs092a09	29101	SSU72	0.0158214	-7.85554	10.0297	9.77743	1.19108
3	hcs092a09	29101	SSU72	0.482814	0.854579	10.2987	10.1847	1.08225
5	hcs092a09	29101	SSU72	0.0467344	4.46201	10.1359	9.8752	1.19807
7	hcs092a09	29101	SSU72	0.803949	-0.282746	9.80547	9.84827	-1.03011
3	hcs092b05	54876	DCAF16	0.195729	-1.91399	9.87465	10.0671	-1.14274
5	hcs092b05	54876	DCAF16	0.255377	-1.57765	10.1429	10.327	-1.13618
1	hcs092b06	50515	CHST11	0.959679	0.0570687	9.72329	9.73719	0.990414
3	hcs092b06	50515	CHST11	0.0922336	-3.06043	9.6956	9.94455	-1.18834
5	hcs092b06	50515	CHST11	0.480995	0.85869	9.85541	9.59307	1.19942
3	hcs092b07	55437	STRADB	0.139043	2.39361	9.771	9.5501	1.16546
5	hcs092b07	55437	STRADB	0.1507	2.27518	9.85614	9.58382	1.20775
1	hcs092b08	3142	HLX	0.529255	-0.75457	10.2867	10.144	1.10398
3	hcs092b08	3142	HLX	0.955495	-0.0630024	10.3483	10.365	-1.01166
5	hcs092b08	3142	HLX	0.326399	1.28889	10.4601	10.1767	1.21709
7	hcs092b08	3142	HLX	0.929155	-0.100442	10.0495	10.0717	-1.01547
1	hcs092b11	?	?	0.85942	0.200805	9.44344	9.46465	0.985408
5	hcs092b11	?	?	0.146576	-2.31559	9.15876	9.29443	-1.0986
1	hcs092b12	23534	TNPO3	0.409705	1.03421	10.1803	10.3835	0.868642
3	hcs092b12	23534	TNPO3	0.364341	-1.1645	10.1365	10.2936	-1.1151
5	hcs092b12	23534	TNPO3	0.709577	0.42922	10.3736	10.2914	1.05863
7	hcs092b12	23534	TNPO3	0.527708	-0.75776	9.87444	10.1289	-1.19286

1	hcs092c01	254295	PHYHD1	0.194408	-1.92293	10.1413	9.93833	1.15107
3	hcs092c01	254295	PHYHD1	0.827473	0.247704	10.6557	10.5946	1.04326
5	hcs092c01	254295	PHYHD1	0.387462	-1.09592	10.4403	10.5124	-1.05127
7	hcs092c01	254295	PHYHD1	0.0578326	-3.9757	9.48913	9.84092	-1.27614
1	hcs092c02	50617	ATP6V0A4	0.638143	-0.548943	10.2733	10.1904	1.05912
3	hcs092c02	50617	ATP6V0A4	0.0048803	14.262	10.6456	10.2944	1.27562
5	hcs092c02	50617	ATP6V0A4	0.64144	-0.5432	10.1851	10.3113	-1.09142
7	hcs092c02	50617	ATP6V0A4	0.908014	-0.130642	9.93764	9.9791	-1.02915
1	hcs092c03	9706	ULK2	0.211774	1.81141	10.0615	10.3131	0.839953
3	hcs092c03	9706	ULK2	0.132081	2.47113	10.6509	10.5367	1.08242
5	hcs092c03	9706	ULK2	0.668462	0.496974	10.5057	10.4637	1.02953
7	hcs092c03	9706	ULK2	0.152738	-2.25577	9.90671	10.2319	-1.25283
1	hcs092c04			0.894301	-0.150324	10.0642	10.0379	1.01841
3	hcs092c04			0.258256	1.56405	10.6595	10.4437	1.16138
5	hcs092c04			0.60232	0.612959	10.2672	10.0684	1.14772
7	hcs092c04			0.188602	1.96322	9.94195	9.6406	1.2323
3	hcs092c06	?	?	0.580949	0.6527	10.3374	10.2091	1.09296
5	hcs092c06	?	?	0.324744	-1.29471	9.78889	9.98984	-1.14945
3	hcs092c07	3316	HSPB2	0.178057	2.04084	10.2884	10.0524	1.17775
5	hcs092c07	3316	HSPB2	0.592974	-0.630185	9.73355	9.90464	-1.1259
1	hcs092c11	9789	SPCS2	0.348605	-1.21414	9.98734	9.73233	1.19335
3	hcs092c11	9789	SPCS2	0.529806	0.753436	10.1971	9.94854	1.18804
5	hcs092c11	9789	SPCS2	0.145159	2.32983	10.0583	9.65979	1.3181
7	hcs092c11	9789	SPCS2	0.789428	-0.304624	9.36625	9.42075	-1.0385
3	hcs092d06	?	?	0.465088	0.895341	10.5446	10.2909	1.19229
5	hcs092d06	?	?	0.475257	-0.871764	10.1892	10.2779	-1.06336
7	hcs092d06	?	?	0.853148	-0.209956	9.76063	9.86042	-1.07162
1	hcs092d07			0.410187	1.03292	10.0108	10.2685	0.836439
3	hcs092d07			0.0956546	-2.99656	10.267	10.3564	-1.0639
5	hcs092d07			0.530921	0.751145	10.3516	10.1972	1.11293
7	hcs092d07			0.426848	-0.989152	9.83061	10.1	-1.20533
1	hcs092e02	377	ARF3	0.793308	-0.298759	10.0677	9.9591	1.07818
3	hcs092e02	377	ARF3	0.10523	2.83386	10.5044	10.1422	1.28535
5	hcs092e02	377	ARF3	0.474945	0.87248	10.3655	10.0791	1.21958
7	hcs092e02	377	ARF3	0.261383	1.54951	9.91719	9.58286	1.26079
1	hcs092e05	?	?	0.216088	1.78559	9.67656	10.1166	0.73712
3	hcs092e05	?	?	0.99113	-0.0125445	10.0402	10.0427	-1.00174
5	hcs092e05	?	?	0.892786	0.152503	10.1684	10.1301	1.02687
7	hcs092e05	?	?	0.192361	-1.93695	9.53217	9.67449	-1.10368
1	hcs092e09	100288911	LOC100288	0.145677	-2.3246	9.79121	9.46631	1.25257
3	hcs092e09	100288911	LOC100288	0.088109	3.14207	10.1459	9.75885	1.30774
1	hcs092e10	?	?	0.528862	0.755379	10.1702	10.2142	0.969995
3	hcs092e10	?	?	0.327405	-1.28538	10.4344	10.508	-1.05231
5	hcs092e10	?	?	0.717007	0.417269	10.0878	9.97555	1.08094
7	hcs092e10	?	?	0.529166	-0.754752	9.74956	9.93954	-1.14075
5	hcs092e11	9896	FIG4	0.704527	-0.437391	9.32443	9.3906	-1.04693
1	hcs092f10	9045	RPL14	0.666368	0.500503	11.3753	11.5206	0.904191

3	hcs092f10	9045	RPL14	0.0860204	-3.18553	11.2934	11.5617	-1.20436
5	hcs092f10	9045	RPL14	0.950017	-0.0707745	11.6441	11.652	-1.00549
7	hcs092f10	9045	RPL14	0.359343	-1.17999	10.9275	11.238	-1.24014
1	hcs092f12	83692	CD99L2	0.643312	-0.539949	11.3575	11.2338	1.0895
5	hcs092f12	83692	CD99L2	0.987428	-0.0177816	11.4688	11.471	-1.00153
7	hcs092f12	83692	CD99L2	0.264993	-1.53299	10.7498	11.0389	-1.22188
1	hcs092g01	6657	SOX2	0.629358	0.564363	10.5255	10.6098	0.943216
3	hcs092g01	6657	SOX2	0.382374	1.1106	10.9038	10.8717	1.02252
5	hcs092g01	6657	SOX2	0.496375	-0.824419	10.748	10.8458	-1.07012
7	hcs092g01	6657	SOX2	0.284079	-1.45015	10.123	10.5346	-1.33017
3	hcs092g05	57674	RNF213	0.121022	2.60676	10.1837	9.97053	1.15924
5	hcs092g05	57674	RNF213	0.0268812	5.97558	10.8567	10.5041	1.27684
1	hcs092g07	6586	SLIT3	0.0333282	5.33976	9.49447	9.82013	0.797935
3	hcs092g07	6586	SLIT3	0.691555	0.458565	10.4293	10.3725	1.04015
5	hcs092g07	6586	SLIT3	0.426119	-0.991027	9.74496	9.81596	-1.05044
5	hcs092g08	51300	C3orf1	0.306508	1.36127	9.96408	9.64825	1.24473
1	hcs092g09	?	?	0.8783	0.173398	9.84215	9.86579	0.983745
3	hcs092g09	?	?	0.876657	-0.175775	10.2337	10.2634	-1.02083
5	hcs092g09	?	?	0.594525	-0.627311	9.61434	9.7328	-1.08558
1	hcs092g12	51614	ERGIC3	0.624658	0.572685	10.5517	10.6303	0.946955
3	hcs092g12	51614	ERGIC3	0.588576	-0.638374	10.6019	10.6938	-1.06582
5	hcs092g12	51614	ERGIC3	0.339916	1.24269	10.6827	10.5662	1.08415
7	hcs092g12	51614	ERGIC3	0.964842	0.0497521	10.2735	10.2635	1.00691
1	hcs092h01	6164	RPL34	0.322239	1.30358	10.96	11.1796	0.858829
5	hcs092h01	6164	RPL34	0.897265	-0.146062	11.3408	11.3636	-1.01593
7	hcs092h01	6164	RPL34	0.856048	-0.205722	11.1648	11.253	-1.06305
1	hcs092h05	3104	ZBTB48	0.561547	-0.689917	10.672	10.5717	1.07202
5	hcs092h05	3104	ZBTB48	0.877007	-0.175269	10.6973	10.7188	-1.01506
7	hcs092h05	3104	ZBTB48	0.666357	-0.500522	10.8055	10.9801	-1.12864
1	hcs092h06	51808	PHAX	0.698686	0.446892	10.2884	10.3883	0.933098
3	hcs092h06	51808	PHAX	0.650657	-0.527266	10.9545	11.0842	-1.09407
5	hcs092h06	51808	PHAX	0.248026	-1.61326	10.5346	10.6272	-1.06629
7	hcs092h06	51808	PHAX	0.618669	-0.583364	10.3753	10.6185	-1.18361
1	hcs092h09	6742	SSBP1	0.147116	2.31021	10.6224	10.775	0.899607
3	hcs092h09	6742	SSBP1	0.0006373	-39.5922	10.5902	10.8609	-1.20634
5	hcs092h09	6742	SSBP1	0.943236	0.0804068	10.5982	10.5829	1.01066
7	hcs092h09	6742	SSBP1	0.71956	-0.413183	10.3711	10.4069	-1.02513
1	hcs092h10	79007	DBNDD1	0.27998	1.46733	10.6731	10.7098	0.974905
3	hcs092h10	79007	DBNDD1	0.923485	-0.108526	10.5872	10.6204	-1.02328
5	hcs092h10	79007	DBNDD1	0.378992	1.12048	10.6957	10.5575	1.10053
7	hcs092h10	79007	DBNDD1	0.319145	1.31465	10.3707	10.3144	1.03975
5	hcs092h11	54625	PARP14	0.217567	1.77689	8.95868	8.49797	1.37622
1	hcs093a02	54584	GNB1L	0.617874	0.584787	11.2076	11.3371	0.914127
3	hcs093a02	54584	GNB1L	0.61382	-0.592072	10.6569	10.7771	-1.08689
5	hcs093a02	54584	GNB1L	0.0615737	3.84143	11.4451	11.0703	1.29666
7	hcs093a02	54584	GNB1L	0.632849	0.558214	10.9189	10.9032	1.01097
1	hcs093a03	?	?	0.78731	0.307833	10.5783	10.633	0.962772

3	hcs093a03	?	?	0.567004	0.679334	10.7084	10.4998	1.15554
5	hcs093a03	?	?	0.218529	1.77126	10.932	10.5031	1.34621
7	hcs093a03	?	?	0.735218	0.388318	10.4527	10.3831	1.04946
5	hcs093a04			0.464561	0.896576	9.33165	8.96057	1.29332
7	hcs093a04			0.393121	1.07985	9.53803	9.23755	1.23156
5	hcs093a05	?	?	0.644502	-0.537887	9.08003	9.15543	-1.05366
7	hcs093a05	?	?	0.386378	-1.09903	9.08069	9.34155	-1.1982
3	hcs093a06	83941	TM2D1	0.231593	1.69806	9.90341	9.84063	1.04447
5	hcs093a06	83941	TM2D1	0.0647488	3.73645	10.1543	9.81692	1.26348
5	hcs093a07			0.429418	0.982567	9.17872	8.81585	1.28598
3	hcs093a08	80339	PNPLA3	0.397703	1.06703	9.94947	9.53691	1.33104
5	hcs093a08	80339	PNPLA3	0.0155522	7.92486	10.3008	9.13522	2.24318
7	hcs093a08	80339	PNPLA3	0.0724347	3.5106	9.96795	9.16512	1.74452
7	hcs093a09	257203	DSCR9	0.0280339	5.84621	9.14355	8.97394	1.12475
5	hcs093a10			0.909724	0.128193	9.32487	9.30537	1.01361
7	hcs093a10			0.761496	0.347318	9.43553	9.38878	1.03293
1	hcs093b01	84662	GLIS2	0.879554	-0.171585	9.85828	9.79387	1.04566
5	hcs093b01	84662	GLIS2	0.674549	-0.486756	10.2085	10.2791	-1.05013
1	hcs093b02	10238	DCAF7	0.426529	-0.989971	10.2995	10.1233	1.12988
3	hcs093b02	10238	DCAF7	0.579555	0.655337	10.386	10.2964	1.0641
5	hcs093b02	10238	DCAF7	0.180333	2.02357	10.7495	9.95056	1.73986
7	hcs093b02	10238	DCAF7	0.16603	2.13735	10.2314	9.98088	1.1896
1	hcs093b04	89792	GAL3ST3	0.0309117	5.555	9.61658	9.88305	0.831353
3	hcs093b04	89792	GAL3ST3	0.754082	-0.358799	10.1295	10.2716	-1.10358
5	hcs093b04	89792	GAL3ST3	0.543171	-0.726266	10.8763	10.9316	-1.03911
1	hcs093b05	11340	EXOSC8	0.575713	-0.662632	10.208	9.54799	1.58009
3	hcs093b05	11340	EXOSC8	0.215452	-1.78935	9.73964	10.4216	-1.60431
5	hcs093b05	11340	EXOSC8	0.847221	0.218629	9.93274	9.89063	1.02962
7	hcs093b05	11340	EXOSC8	0.0786657	-3.35149	9.51179	10.0362	-1.43833
5	hcs093b06	84630	TTBK1	0.845478	-0.221184	9.05666	9.10841	-1.03652
7	hcs093b06	84630	TTBK1	0.666749	-0.49986	9.03659	9.26959	-1.17528
5	hcs093b07	617	BCS1L	0.818725	-0.260681	9.37763	9.40942	-1.02228
7	hcs093b07	617	BCS1L	0.166986	-2.12934	8.93879	9.47958	-1.45477
5	hcs093b08	3839	KPNA3	0.540516	0.731613	11.1385	10.9324	1.15351
1	hcs093c03	6645	SNTB2	0.638587	0.548168	10.0426	10.1103	0.954189
3	hcs093c03	6645	SNTB2	0.044707	-4.56939	10.3091	10.5634	-1.19276
5	hcs093c03	6645	SNTB2	0.533229	0.746415	10.2524	10.0875	1.12108
7	hcs093c03	6645	SNTB2	0.884225	-0.16484	10.0325	10.0519	-1.01354
5	hcs093c04	23065	KIAA0090	0.967742	-0.0456429	9.85325	9.86865	-1.01073
1	hcs093c06	10299	MARCH6	0.880878	-0.169673	10.1559	10.085	1.0504
5	hcs093c06	10299	MARCH6	0.534463	0.743896	10.4261	10.2206	1.15308
7	hcs093c06	10299	MARCH6	0.872851	-0.181287	10.1324	10.1958	-1.04493
1	hcs093c07	157697	ERICH1	0.499534	0.817511	9.87235	9.94372	0.951736
3	hcs093c07	157697	ERICH1	0.124406	-2.56347	9.97038	10.478	-1.42167
5	hcs093c07	157697	ERICH1	0.336472	1.25425	10.2502	9.77139	1.39359
7	hcs093c07	157697	ERICH1	0.523716	-0.766035	9.91809	10.08	-1.11873
5	hcs093c10	10188	TNK2	0.267285	1.52265	9.84803	9.48273	1.28815

1	hcs093c11	729515	C6orf35	0.351226	1.20569	9.38237	9.62576	0.844756
3	hcs093c11	729515	C6orf35	0.170816	-2.09784	9.67866	10.237	-1.47261
5	hcs093c11	729515	C6orf35	0.306184	1.3625	9.85413	9.74513	1.07848
7	hcs093c11	729515	C6orf35	0.688615	0.463403	9.5923	9.52482	1.04788
3	hcs093c12			0.119721	-2.62385	9.13899	9.78791	-1.56799
5	hcs093c12			0.814142	0.267503	9.01738	8.97208	1.0319
5	hcs093d01	78986	DUSP26	0.602897	0.611903	9.39811	9.02248	1.2974
7	hcs093d01	78986	DUSP26	0.585827	-0.643518	9.05578	9.1857	-1.09423
5	hcs093d02	?	?	0.365666	1.16043	9.55634	9.3528	1.15152
7	hcs093d02	?	?	0.503763	-0.808333	9.15141	9.29249	-1.10273
5	hcs093d03	?	?	0.683219	-0.472321	9.43427	9.54215	-1.07764
7	hcs093d03	?	?	0.776784	0.323845	9.65622	9.56755	1.06339
1	hcs093d04	57721	METTTL14	0.214044	1.79774	10.2342	10.5048	0.828957
3	hcs093d04	57721	METTTL14	0.940666	-0.0840586	10.4157	10.4517	-1.02521
5	hcs093d04	57721	METTTL14	0.540676	0.73129	10.468	10.2535	1.16029
7	hcs093d04	57721	METTTL14	0.310756	1.34534	10.3399	10.1706	1.12451
1	hcs093d05	100133142	ZNF865	0.488158	-0.842592	10.02	9.62646	1.31361
3	hcs093d05	100133142	ZNF865	0.248045	-1.61317	10.0672	10.372	-1.23523
5	hcs093d05	100133142	ZNF865	0.0484628	4.37571	10.2303	9.82416	1.3251
7	hcs093d05	100133142	ZNF865	0.0259972	-6.08048	9.93022	9.96066	-1.02133
1	hcs093d06	22888	UBOX5	0.477327	-0.867028	9.75108	9.52636	1.16855
5	hcs093d06	22888	UBOX5	0.515758	0.782713	9.58424	9.23156	1.27694
7	hcs093d06	22888	UBOX5	0.755356	-0.356822	9.4557	9.52837	-1.05167
5	hcs093d07	29948	OSGIN1	0.712882	0.423894	9.52064	9.39924	1.08778
7	hcs093d07	29948	OSGIN1	0.328752	-1.28069	9.18864	9.4963	-1.2377
5	hcs093d08	6683	SPAST	0.530147	0.752735	9.37	9.10727	1.19975
5	hcs093d10			0.797298	0.292741	9.54314	9.42935	1.08207
7	hcs093d10			0.61481	0.590289	9.64162	9.47673	1.12109
5	hcs093d12			0.716693	0.417774	9.43572	9.34899	1.06196
1	hcs093e06			0.297783	1.39486	9.4402	9.8486	0.75346
5	hcs093e06			0.541973	0.728677	9.52244	9.21991	1.23331
7	hcs093e06			0.305132	-1.36649	9.62282	9.74003	-1.08463
5	hcs093e08	?	?	0.155147	2.23328	9.2594	8.98704	1.20778
3	hcs093e09	?	?	0.25962	-1.55768	9.39499	9.86906	-1.38903
5	hcs093e09	?	?	0.425085	0.993693	9.37821	9.14836	1.17271
5	hcs093e10	?	?	0.971221	0.0407161	8.97582	8.96279	1.00907
1	hcs093e11	255812	SDHAP1	0.69438	-0.453932	10.3543	10.2875	1.04741
3	hcs093e11	255812	SDHAP1	0.981732	-0.0258385	10.1819	10.1923	-1.00718
5	hcs093e11	255812	SDHAP1	0.232173	1.69493	10.692	10.3061	1.30664
7	hcs093e11	255812	SDHAP1	0.314399	-1.33189	10.1996	10.2586	-1.04179
5	hcs093e12	?	?	0.770106	-0.334067	9.09306	9.16266	-1.04943
1	hcs093f01	113829	SLC35A4	0.330392	-1.27501	9.84835	9.35201	1.41063
3	hcs093f01	113829	SLC35A4	0.809609	0.27427	9.843	9.64321	1.14853
5	hcs093f01	113829	SLC35A4	0.0079944	11.1171	9.9993	9.24849	1.68274
7	hcs093f01	113829	SLC35A4	0.168992	2.11272	9.59787	9.28641	1.24096
5	hcs093f02	388591	RNF207	0.771605	0.331769	9.45541	9.42482	1.02143
7	hcs093f02	388591	RNF207	0.88816	0.159165	9.40705	9.3794	1.01935

5	hcs093f03	79882	ZC3H14	0.548558	0.715493	9.01555	8.79867	1.16221
1	hcs093f04	348262	FAM195B	0.599326	0.618452	9.97193	10.0315	0.959572
3	hcs093f04	348262	FAM195B	0.819439	-0.25962	10.4163	10.4982	-1.05844
5	hcs093f04	348262	FAM195B	0.179858	-2.02715	10.1625	10.673	-1.42458
1	hcs093f05	124976	SPNS2	0.0337958	-5.30076	10.6089	10.0169	1.50734
3	hcs093f05	124976	SPNS2	0.0779609	3.36856	11.9354	10.0015	3.82087
5	hcs093f05	124976	SPNS2	0.0446599	4.57197	12.175	9.77949	5.26174
7	hcs093f05	124976	SPNS2	0.0199004	6.98249	11.353	9.71068	3.12167
1	hcs093f06	8480	RAE1	0.523411	-0.766669	10.1663	9.47778	1.61163
3	hcs093f06	8480	RAE1	0.22318	-1.74456	9.74846	10.2778	-1.44327
5	hcs093f06	8480	RAE1	0.15692	2.21703	9.86881	9.6243	1.18469
7	hcs093f06	8480	RAE1	0.40806	1.03864	9.7368	9.70571	1.02179
5	hcs093f07	11218	DDX20	0.339487	1.24412	9.49872	9.05088	1.364
5	hcs093f08	51195	RAPGEFL1	0.639289	0.546945	9.19189	8.98119	1.15725
7	hcs093f08	51195	RAPGEFL1	0.498299	-0.820207	9.06799	9.35266	-1.21813
1	hcs093f09	25766	PRPF40B	0.680142	-0.477429	9.7984	9.57446	1.16792
3	hcs093f09	25766	PRPF40B	0.441941	-0.951088	9.66575	10.0286	-1.28599
5	hcs093f09	25766	PRPF40B	0.135927	2.42763	10.067	9.62106	1.36216
7	hcs093f09	25766	PRPF40B	0.339118	1.24536	9.78703	9.64679	1.10208
5	hcs093f11	?	?	0.63346	0.557142	8.92272	8.79236	1.09457
1	hcs093f12	60673	C12orf44	0.443675	-0.946805	9.81841	9.33479	1.39824
3	hcs093f12	60673	C12orf44	0.508499	-0.798146	9.36189	9.64303	-1.21515
5	hcs093f12	60673	C12orf44	0.283195	1.45383	9.72287	9.4613	1.19879
7	hcs093f12	60673	C12orf44	0.0553816	4.07072	9.49155	9.25881	1.17507
1	hcs093g03	90378	SAMD1	0.140423	-2.37889	10.0938	9.86622	1.17087
5	hcs093g03	90378	SAMD1	0.245294	1.62685	10.1943	9.79657	1.31743
7	hcs093g03	90378	SAMD1	0.23683	1.67021	9.91919	9.81915	1.0718
5	hcs093g04	51102	MECR	0.543207	0.726195	9.52778	9.31302	1.16051
7	hcs093g04	51102	MECR	0.255751	-1.57587	9.19626	9.3793	-1.13527
5	hcs093g06	65268	WNK2	0.493459	0.830833	9.6481	9.31437	1.26026
7	hcs093g06	65268	WNK2	0.823621	-0.253411	9.38649	9.41633	-1.0209
1	hcs093g07	10985	GCN1L1	0.430478	0.979865	10.0963	10.2175	0.919425
3	hcs093g07	10985	GCN1L1	0.95297	0.0665838	10.195	10.1546	1.02839
5	hcs093g07	10985	GCN1L1	0.286796	1.43892	10.4786	10.044	1.35151
7	hcs093g07	10985	GCN1L1	0.882882	0.166778	10.0286	10.0042	1.01703
1	hcs093g08	64393	ZMAT3	0.938436	-0.0872296	9.44993	9.40464	1.03189
5	hcs093g08	64393	ZMAT3	0.765343	0.341387	9.75293	9.65747	1.0684
7	hcs093g08	64393	ZMAT3	0.891004	0.155068	9.58552	9.49766	1.0628
1	hcs093g10	11269	DDX19B	0.732849	-0.392057	10.0633	10.003	1.04269
3	hcs093g10	11269	DDX19B	0.91969	0.113944	10.1467	10.1016	1.03174
5	hcs093g10	11269	DDX19B	0.413988	1.02276	10.3932	10.065	1.25548
7	hcs093g10	11269	DDX19B	0.606243	-0.605796	9.91606	9.98612	-1.04977
1	hcs093g11	9978	RBX1	0.787504	0.307538	10.7369	10.784	0.967857
3	hcs093g11	9978	RBX1	0.434023	0.970879	10.8257	10.5693	1.19452
5	hcs093g11	9978	RBX1	0.188166	1.96631	11.1733	10.8501	1.25104
7	hcs093g11	9978	RBX1	0.21678	-1.78151	10.5365	10.6203	-1.05976
1	hcs093h01	3842	TNPO1	0.311992	1.34076	9.96673	10.4118	0.734548

3	hcs093h01	3842	TNPO1	0.852471	0.210946	10.3212	10.237	1.06014
5	hcs093h01	3842	TNPO1	0.0962032	2.98663	10.9071	10.1424	1.69908
7	hcs093h01	3842	TNPO1	0.611054	-0.597066	9.9598	10.3859	-1.34356
1	hcs093h03	57106	NAT14	0.298342	-1.39267	9.90708	9.46939	1.35443
3	hcs093h03	57106	NAT14	0.103514	-2.86143	9.79453	10.3844	-1.50515
5	hcs093h03	57106	NAT14	0.0839013	-3.2312	9.54242	9.77832	-1.17764
7	hcs093h03	57106	NAT14	0.535831	-0.741108	9.53959	9.69242	-1.11175
5	hcs093h05	51072	MEMO1	0.636868	0.55117	9.1941	8.9778	1.16175
5	hcs093h06	9580	SOX13	0.349915	1.2099	9.37165	9.23916	1.09618
7	hcs093h06	9580	SOX13	0.40869	-1.03695	9.10398	9.51055	-1.32552
5	hcs093h08	?	?	0.486128	0.84713	9.07906	8.70097	1.29961
5	hcs093h09	6002	RGS12	0.828667	0.245938	9.31244	9.23375	1.05606
1	hcs093h12	23308	ICOSLG	0.876303	-0.176288	9.53066	9.42243	1.0779
5	hcs093h12	23308	ICOSLG	0.148935	-2.29229	9.26218	9.47017	-1.15508
7	hcs093h12	23308	ICOSLG	0.452763	-0.924648	9.10608	9.22223	-1.08384
1	hcs094a02	29789	OLA1	0.496068	0.825092	9.99647	10.1927	0.872836
3	hcs094a02	29789	OLA1	0.180793	2.02012	10.4368	10.1701	1.20309
5	hcs094a02	29789	OLA1	0.114831	2.69052	10.4926	10.2676	1.16882
7	hcs094a02	29789	OLA1	0.666965	0.499496	10.1067	9.96912	1.10007
1	hcs094a03	10342	TFG	0.349298	1.21189	10.4938	10.6856	0.875513
3	hcs094a03	10342	TFG	0.589844	-0.636008	10.6656	10.7829	-1.08472
5	hcs094a03	10342	TFG	0.704552	-0.43735	10.5601	10.5829	-1.0159
7	hcs094a03	10342	TFG	0.564317	-0.684534	10.1425	10.3768	-1.17631
1	hcs094a08	5683	PSMA2	0.415403	-1.01901	9.71694	9.10246	1.53101
3	hcs094a08	5683	PSMA2	0.698259	0.447588	10.111	10.0845	1.01857
5	hcs094a08	5683	PSMA2	0.563251	0.686602	9.7719	9.58971	1.13461
5	hcs094a09	149473	CCDC24	0.661908	0.508052	9.6307	9.61369	1.01186
5	hcs094a11	9764	KIAA0513	0.205284	-1.85162	9.29305	9.42021	-1.09214
1	hcs094a12	126328	NDUFA11	0.892842	-0.152422	10.6073	10.5761	1.02186
3	hcs094a12	126328	NDUFA11	0.87939	0.171823	10.5235	10.4918	1.02222
5	hcs094a12	126328	NDUFA11	0.974034	0.0367341	10.381	10.3743	1.00462
7	hcs094a12	126328	NDUFA11	0.104288	-2.84892	10.0547	10.2549	-1.14889
1	hcs094b01	51149	C5orf45	0.539592	-0.733479	10.0762	9.89605	1.133
3	hcs094b01	51149	C5orf45	0.515818	0.782586	10.3062	10.1065	1.14846
5	hcs094b01	51149	C5orf45	0.157009	-2.21623	10.0832	10.2991	-1.16141
5	hcs094b02	55037	PTCD3	0.767018	-0.33881	10.0248	10.1106	-1.06129
3	hcs094b04	64285	RHBDF1	0.632659	0.558549	9.82335	9.65408	1.12449
5	hcs094b04	64285	RHBDF1	0.683953	-0.471106	9.37764	9.48725	-1.07894
1	hcs094b07	54512	EXOSC4	0.315482	-1.32793	9.47048	9.25844	1.15832
3	hcs094b07	54512	EXOSC4	0.941134	-0.0833932	9.96979	9.98677	-1.01184
5	hcs094b07	54512	EXOSC4	0.168406	-2.11755	9.78518	9.86836	-1.05935
1	hcs094b11	219771	CCNY	0.965162	0.0492979	9.59102	9.60078	0.993258
3	hcs094b11	219771	CCNY	0.504682	0.80635	9.613	9.44204	1.12581
5	hcs094b11	219771	CCNY	0.081356	3.28829	9.95088	9.5769	1.29592
7	hcs094b11	219771	CCNY	0.316539	-1.32408	9.17488	9.36543	-1.14119
1	hcs094c03	51398	C19orf56	0.311578	-1.34229	9.75559	9.58752	1.12356
3	hcs094c03	51398	C19orf56	0.447896	0.936455	10.0636	9.92439	1.10131

5	hcs094c03	51398	C19orf56	0.322672	1.30204	10.0596	9.88725	1.12688
7	hcs094c03	51398	C19orf56	0.344248	-1.22835	9.44823	9.54026	-1.06587
1	hcs094c06	8662	EIF3B	0.0023974	-20.3867	10.3131	9.88764	1.343
3	hcs094c06	8662	EIF3B	0.67678	0.48303	10.3841	10.2815	1.0737
5	hcs094c06	8662	EIF3B	0.366103	1.1591	10.2825	10.1956	1.06209
7	hcs094c06	8662	EIF3B	0.0906663	-3.09083	9.80743	10.0541	-1.18645
3	hcs094c07	?	?	0.270359	1.50895	10.0786	10.011	1.04795
3	hcs094c08	23309	SIN3B	0.704898	-0.43679	9.15675	9.24047	-1.05975
5	hcs094c08	23309	SIN3B	0.718814	0.414376	9.42409	9.36398	1.04255
1	hcs094c09	1496	CTNNA2	0.111094	-2.74423	9.93061	9.64918	1.2154
3	hcs094c09	1496	CTNNA2	0.898817	0.143832	10.0833	10.0572	1.01821
5	hcs094c09	1496	CTNNA2	0.0282809	5.81952	9.94268	9.84297	1.07156
1	hcs094c10	25996	REXO2	0.373662	1.13626	10.0096	10.0291	0.986581
3	hcs094c10	25996	REXO2	0.966675	0.0471545	10.1274	10.1153	1.00845
5	hcs094c10	25996	REXO2	0.0367169	5.07393	10.5185	9.91594	1.51841
7	hcs094c10	25996	REXO2	0.147915	2.3023	10.0612	9.71298	1.27297
3	hcs094d03	60488	MRPS35	0.2092	1.82716	10.5202	10.2348	1.21873
5	hcs094d03	60488	MRPS35	0.776437	-0.324375	9.99803	10.067	-1.04897
1	hcs094d05	4836	NMT1	0.38098	1.11466	11.8455	11.9394	0.937008
3	hcs094d05	4836	NMT1	0.415023	-1.02001	11.8201	12.0721	-1.19083
5	hcs094d05	4836	NMT1	0.04564	-4.5191	12.1139	12.2623	-1.10829
7	hcs094d05	4836	NMT1	0.502415	-0.811251	11.4548	11.6908	-1.1777
1	hcs094d10	56943	ENY2	0.766143	0.340155	10.6206	10.7297	0.927177
5	hcs094d10	56943	ENY2	0.814351	0.267192	10.9385	10.8414	1.06957
7	hcs094d10	56943	ENY2	0.235694	-1.67618	9.99699	10.4766	-1.39435
5	hcs094d11	56898	BDH2	0.748523	0.367451	9.28417	9.24051	1.03073
1	hcs094e02	55891	LENEP	0.369304	-1.14936	9.71169	9.08439	1.54467
5	hcs094e02	55891	LENEP	0.350211	-1.20895	9.39848	9.71314	-1.24372
1	hcs094e08	29796	UQCR10	0.0385527	-4.94453	9.5748	9.38036	1.14428
3	hcs094e08	29796	UQCR10	0.721835	-0.409548	9.50275	9.57727	-1.05301
5	hcs094e08	29796	UQCR10	0.400964	1.058	9.33103	9.19823	1.09642
1	hcs094e11	26589	MRPL46	0.106757	-2.80986	9.67571	9.21749	1.37385
5	hcs094e11	26589	MRPL46	0.24673	-1.61968	9.44169	9.60934	-1.12322
3	hcs094f01	79641	ROGDI	0.683086	-0.472542	9.53484	9.69405	-1.11667
5	hcs094f01	79641	ROGDI	0.367714	-1.15419	10.042	10.3247	-1.21648
3	hcs094f02			0.217852	1.77521	10.1886	10.1278	1.04305
5	hcs094f02			0.116054	-2.67348	10.2218	10.5715	-1.27432
1	hcs094f03	3068	HDGF	0.215785	-1.78737	11.1692	10.7932	1.29777
3	hcs094f03	3068	HDGF	0.129984	2.4956	11.4197	10.9965	1.3409
5	hcs094f03	3068	HDGF	0.210051	1.82193	11.3414	11.0156	1.2533
7	hcs094f03	3068	HDGF	0.358141	1.18375	10.6869	10.4854	1.14992
1	hcs094f04	284119	PTRF	0.0255538	6.13511	9.8642	10.3348	0.721673
3	hcs094f04	284119	PTRF	0.194612	-1.92154	10.4993	10.7323	-1.17531
5	hcs094f04	284119	PTRF	0.358271	-1.18334	10.2391	10.4811	-1.18259
7	hcs094f04	284119	PTRF	0.767439	0.338162	9.97855	9.92379	1.03869
1	hcs094f05	25793	FBXO7	0.379347	-1.11944	10.0085	9.91232	1.06894
3	hcs094f05	25793	FBXO7	0.01276	8.76772	10.7809	10.4492	1.25845



5	hcs094f05	25793	FBXO7	0.198929	1.89265	10.4368	10.1565	1.21449
7	hcs094f05	25793	FBXO7	0.221996	1.75129	9.80235	9.67293	1.09386
1	hcs094f09			0.68026	-0.477232	9.81067	9.75253	1.04112
3	hcs094f09			0.949991	0.0708116	9.9384	9.92713	1.00784
5	hcs094f09			0.300745	1.38332	9.73222	9.63298	1.07121
5	hcs094f10	4597	MVD	0.0722792	3.51482	9.63452	8.85304	1.7189
1	hcs094f12	51501	C11orf73	0.980005	-0.0282827	9.29966	9.28938	1.00715
5	hcs094f12	51501	C11orf73	0.0521944	4.20387	9.47792	9.20176	1.21097
3	hcs094g01	23478	SEC11A	0.550284	-0.712062	9.85107	9.96577	-1.08275
5	hcs094g01	23478	SEC11A	0.230456	1.70421	9.90607	9.79349	1.08116
5	hcs094g04	23061	TBC1D9B	0.168275	2.11863	9.75107	9.54219	1.15579
7	hcs094g04	23061	TBC1D9B	0.302755	1.37557	9.76415	9.45529	1.23873
1	hcs094g08	2701	GJA4	0.899004	-0.143565	9.55689	9.52951	1.01916
3	hcs094g08	2701	GJA4	0.281804	-1.45965	9.24499	9.69545	-1.36648
5	hcs094g08	2701	GJA4	0.464059	-0.897756	9.04911	9.17288	-1.08958
1	hcs094g09	85377	MICALL1	0.985364	-0.0207005	10.6972	10.6917	1.00382
5	hcs094g09	85377	MICALL1	0.560332	0.692286	10.9059	10.8367	1.04911
7	hcs094g09	85377	MICALL1	0.970002	0.0424422	10.5701	10.5586	1.00797
1	hcs094g10	403	ARL3	0.478932	-0.863373	9.46143	9.2526	1.15575
3	hcs094g10	403	ARL3	0.505797	0.803947	9.64034	9.52001	1.08698
5	hcs094g10	403	ARL3	0.976692	0.0329715	9.24657	9.24282	1.0026
1	hcs094g11	3093	UBE2K	0.927091	-0.103384	9.82755	9.80816	1.01353
5	hcs094g11	3093	UBE2K	0.108923	2.77662	10.0535	9.7509	1.23336
7	hcs094g11	3093	UBE2K	0.465512	-0.894347	9.57579	9.76589	-1.14084
1	hcs094g12	51545	ZNF581	0.696907	-0.449796	10.6163	10.5515	1.04592
3	hcs094g12	51545	ZNF581	0.346593	1.22067	10.9153	10.7295	1.1374
5	hcs094g12	51545	ZNF581	0.0277088	5.88189	10.9245	10.6732	1.19028
7	hcs094g12	51545	ZNF581	0.0910071	-3.08415	10.1392	10.3528	-1.15956
1	hcs094h01	9260	PDLIM7	0.37958	1.11875	12.0383	12.1637	0.91675
3	hcs094h01	9260	PDLIM7	0.574273	-0.665379	11.7442	11.8374	-1.06673
5	hcs094h01	9260	PDLIM7	0.506478	-0.802483	12.2724	12.3403	-1.04819
7	hcs094h01	9260	PDLIM7	0.616656	-0.586971	11.8612	12.052	-1.1414
1	hcs094h03	5692	PSMB4	0.341186	-1.23846	10.7997	10.6821	1.0849
3	hcs094h03	5692	PSMB4	0.15942	2.19455	11.008	10.736	1.20745
5	hcs094h03	5692	PSMB4	0.0163955	7.7134	11.1026	10.6842	1.33644
7	hcs094h03	5692	PSMB4	0.69786	0.44824	10.4819	10.3813	1.07222
3	hcs094h10	2072	ERCC4	0.505251	-0.805123	10.8642	11.1356	-1.20698
1	hcs094h11	1857	DVL3	0.970857	0.0412314	9.98908	10.0055	0.988703
3	hcs094h11	1857	DVL3	0.441335	-0.95259	9.92251	10.0302	-1.07753
5	hcs094h11	1857	DVL3	0.696193	0.450964	10.1842	10.0418	1.10378
7	hcs094h11	1857	DVL3	0.568896	0.675687	9.82224	9.52308	1.23043
1	hcs094h12	291	SLC25A4	0.628321	0.566194	9.48348	9.59949	0.922738
3	hcs094h12	291	SLC25A4	0.831832	-0.241262	9.56872	9.63071	-1.0439
5	hcs094h12	291	SLC25A4	0.0046413	14.6272	9.7428	9.45989	1.21665
1	hcs095a02	493753	C2orf64	0.890435	-0.155887	9.74916	9.7195	1.02077
3	hcs095a02	493753	C2orf64	0.974214	-0.0364786	10.263	10.2738	-1.00752
5	hcs095a02	493753	C2orf64	0.322223	-1.30364	10.0838	10.2558	-1.12667

3	hcs095a03	6196	RPS6KA2	0.782214	0.31557	10.327	10.2586	1.04855
5	hcs095a03	6196	RPS6KA2	0.200331	-1.88345	10.006	10.1848	-1.13192
1	hcs095a05	221545	C6orf136	0.711079	-0.426797	11.1403	11.0826	1.04081
3	hcs095a05	221545	C6orf136	0.63404	-0.556124	11.5036	11.5847	-1.05778
5	hcs095a05	221545	C6orf136	0.901591	0.13985	11.2592	11.2398	1.01354
7	hcs095a05	221545	C6orf136	0.851134	-0.2129	10.8794	10.9542	-1.05322
5	hcs095a07	100130855	LOC100130	0.974173	-0.0365375	9.70922	9.71686	-1.00531
1	hcs095a08	6717	SRI	0.691865	-0.458057	10.1663	10.1419	1.01706
3	hcs095a08	6717	SRI	0.273225	1.49636	10.5291	10.3488	1.13312
5	hcs095a08	6717	SRI	0.100325	2.91446	10.5521	10.1692	1.30397
7	hcs095a08	6717	SRI	0.591944	-0.632099	9.83643	9.95806	-1.08797
5	hcs095a09	?	?	0.223056	1.74526	10.3414	10.0836	1.19569
1	hcs095a10	55818	KDM3A	0.415366	1.0191	10.0538	10.1323	0.947033
3	hcs095a10	55818	KDM3A	0.768726	-0.336186	10.3887	10.4667	-1.0555
5	hcs095a10	55818	KDM3A	0.413691	1.02355	10.1482	10.0322	1.08367
7	hcs095a10	55818	KDM3A	0.51433	-0.785732	9.72146	9.79012	-1.04874
1	hcs095a12	?	?	0.919383	-0.114382	9.60832	9.57966	1.02007
3	hcs095a12	?	?	0.0529891	-4.16958	9.47009	9.71715	-1.18679
5	hcs095a12	?	?	0.933112	-0.0948061	9.46967	9.4924	-1.01588
1	hcs095b04	27248	ERLEC1	0.800112	0.288506	9.67736	9.75194	0.949619
3	hcs095b04	27248	ERLEC1	0.151638	-2.2662	10.0123	10.1685	-1.11435
5	hcs095b04	27248	ERLEC1	0.447882	0.93649	9.56615	9.438	1.09289
7	hcs095b04	27248	ERLEC1	0.532875	-0.74714	9.55301	9.65909	-1.0763
1	hcs095b08	6780	STAU1	0.729043	-0.398084	10.2933	10.2306	1.04442
3	hcs095b08	6780	STAU1	0.862129	0.196859	10.6081	10.5813	1.01875
5	hcs095b08	6780	STAU1	0.210672	1.81813	10.5995	10.2956	1.23445
7	hcs095b08	6780	STAU1	0.288941	-1.43016	9.97191	10.1024	-1.09468
1	hcs095b09	9612	NCOR2	0.687386	0.465431	9.82338	9.91351	0.939436
3	hcs095b09	9612	NCOR2	0.421701	-1.00247	9.86896	10.081	-1.15834
5	hcs095b09	9612	NCOR2	0.672496	0.490195	9.94732	9.83561	1.08051
7	hcs095b09	9612	NCOR2	0.758268	0.352309	9.59194	9.57256	1.01352
1	hcs095b10	113444	C1orf212	0.425232	0.993314	10.6852	10.8968	0.863559
3	hcs095b10	113444	C1orf212	0.251181	-1.59781	10.6324	10.8097	-1.13071
5	hcs095b10	113444	C1orf212	0.435901	-0.966149	10.7232	10.8071	-1.05988
7	hcs095b10	113444	C1orf212	0.226282	-1.72715	10.1357	10.5821	-1.36256
1	hcs095b11	27335	EIF3K	0.315902	-1.3264	9.65617	9.31294	1.26859
3	hcs095b11	27335	EIF3K	0.793017	-0.299197	9.55787	9.62747	-1.04942
5	hcs095b11	27335	EIF3K	0.448415	0.935189	9.47238	9.3244	1.10801
7	hcs095b11	27335	EIF3K	0.300395	-1.38467	9.13885	9.18565	-1.03297
1	hcs095c01	375287	RBM43	0.0535819	4.14449	9.86505	10.1103	0.843673
3	hcs095c01	375287	RBM43	0.715976	-0.418923	10.6194	10.6909	-1.05086
5	hcs095c01	375287	RBM43	0.355208	-1.19299	10.3174	10.3502	-1.02293
7	hcs095c01	375287	RBM43	0.0483909	-4.3792	9.63937	9.70093	-1.04359
5	hcs095c02	?	?	0.412616	-1.02641	9.82411	10.2119	-1.30839
1	hcs095c03	57095	C1orf128	0.0213749	-6.72973	10.3138	9.9945	1.24772
3	hcs095c03	57095	C1orf128	0.775895	-0.325204	9.98521	10.0262	-1.02882
5	hcs095c03	57095	C1orf128	0.957274	-0.0604789	9.95322	9.95936	-1.00427

3	hcs095c05	10867	TSPAN9	0.0883334	3.13749	10.3413	9.86277	1.39332
5	hcs095c05	10867	TSPAN9	0.077821	3.37198	10.7765	10.3391	1.35413
1	hcs095c07	6597	SMARCA4	0.886262	-0.161901	9.6099	9.5831	1.01875
3	hcs095c07	6597	SMARCA4	0.887923	-0.159506	10.4876	10.5233	-1.02506
5	hcs095c07	6597	SMARCA4	0.048365	4.38047	9.87156	9.6985	1.12744
5	hcs095c08	27235	COQ2	0.133637	2.45331	10.3447	10.0183	1.25387
3	hcs095d03	10226	PLIN3	0.786073	0.309708	9.7043	9.68696	1.01209
1	hcs095d08	29883	CNOT7	0.566707	0.679908	9.82489	9.86209	0.974543
3	hcs095d08	29883	CNOT7	0.890439	-0.155881	10.0497	10.0901	-1.02836
5	hcs095d08	29883	CNOT7	0.13174	2.47507	10.0731	9.7925	1.21473
7	hcs095d08	29883	CNOT7	0.736999	-0.385511	9.43488	9.51483	-1.05698
3	hcs095d09	282974	STK32C	0.612257	-0.594891	9.52552	9.57553	-1.03527
5	hcs095d09	282974	STK32C	0.952804	-0.0668195	9.0862	9.09668	-1.00729
3	hcs095e03	29995	LMCD1	0.255039	1.57925	10.3225	9.9985	1.25179
5	hcs095e03	29995	LMCD1	0.557449	0.697928	10.1644	10.0366	1.09263
1	hcs095e04	100506710	LOC100506	0.62441	-0.573125	10.3432	10.1097	1.17567
3	hcs095e04	100506710	LOC100506	0.692414	0.457155	10.9865	10.8703	1.0839
5	hcs095f02	6732	SRPK1	0.0309911	-5.54754	9.44295	9.7185	-1.21046
1	hcs095f03	51447	IP6K2	0.165316	-2.14338	9.55625	9.13512	1.33898
3	hcs095f03	51447	IP6K2	0.602771	-0.612133	9.95898	10.0523	-1.06685
5	hcs095f03	51447	IP6K2	0.348489	1.21451	10.1231	9.99258	1.09467
3	hcs095f07	246243	RNASEH1	0.176758	-2.05083	9.57145	9.73037	-1.11645
5	hcs095f07	246243	RNASEH1	0.885077	0.163609	9.61267	9.59461	1.01259
5	hcs095f08	10587	TXNRD2	0.0068271	12.0406	9.51458	9.23502	1.21383
3	hcs095f09	3911	LAMA5	0.0402936	4.82992	9.39118	9.24465	1.1069
5	hcs095f09	3911	LAMA5	0.0885472	3.13314	9.40278	8.76546	1.55543
3	hcs095g01	54976	C20orf27	0.816154	0.264506	10.0152	9.97307	1.02965
5	hcs095g01	54976	C20orf27	0.6549	-0.519991	9.83141	9.954	-1.08869
3	hcs095g04	?	?	0.0796933	3.32699	10.2947	9.70419	1.50582
1	hcs095g05	64750	SMURF2	0.48026	0.860357	9.65909	9.97488	0.803413
3	hcs095g05	64750	SMURF2	0.700756	-0.443519	10.2941	10.3247	-1.02146
5	hcs095g05	64750	SMURF2	0.745304	0.372479	10.3236	10.2322	1.06541
1	hcs095g07	1351	COX8A	0.131585	2.47686	10.9517	11.1324	0.882295
3	hcs095g07	1351	COX8A	0.526496	-0.760266	11.084	11.1917	-1.07751
5	hcs095g07	1351	COX8A	0.971479	-0.0403505	11.1052	11.1086	-1.00238
7	hcs095g07	1351	COX8A	0.413952	-1.02286	10.4048	10.5771	-1.12684
1	hcs095g08	64423	INF2	0.825356	0.250839	9.47365	9.54463	0.951989
5	hcs095g08	64423	INF2	0.28124	1.46202	10.0126	9.8906	1.08827
3	hcs095g12	6204	RPS10	0.600959	-0.615452	12.2646	12.3117	-1.03319
5	hcs095g12	6204	RPS10	0.0320968	-5.44646	12.7325	12.9317	-1.14809
7	hcs095g12	6204	RPS10	0.332935	-1.26627	12.0908	12.4489	-1.28174
3	hcs095h05	10179	RBM7	0.307159	-1.35881	10.1531	10.5737	-1.33848
5	hcs095h05	10179	RBM7	0.0451992	4.54267	9.85204	9.52496	1.25447
1	hcs095h06	401237	FLJ22536	0.859647	0.200474	9.66826	9.68038	0.991636
3	hcs095h06	401237	FLJ22536	0.285726	-1.44333	9.57322	9.78575	-1.15872
5	hcs095h06	401237	FLJ22536	0.587293	0.640772	9.47208	9.36625	1.07612
5	hcs095h11	4301	MLLT4	0.896376	-0.147339	9.09299	9.10454	-1.00804

3	hcs095h12	208	AKT2	0.910664	0.126847	9.10994	9.09059	1.01351
5	hcs095h12	208	AKT2	0.0734739	3.48272	9.4262	9.06775	1.28205
5	hcs096a03	9693	RAPGEF2	0.543464	-0.725679	9.28057	9.53864	-1.19588
1	hcs096a04	128414	NKAIN4	0.285646	-1.44366	10.125	9.88608	1.18011
3	hcs096a04	128414	NKAIN4	0.283106	1.4542	10.1631	9.91724	1.18583
5	hcs096a04	128414	NKAIN4	0.841931	-0.226389	10.0743	10.1027	-1.0199
5	hcs096a05	23162	MAPK8IP3	0.909232	-0.128898	10.3988	10.4104	-1.00807
1	hcs096a07	1893	ECM1	0.245962	1.62351	9.91735	10.2845	0.775318
3	hcs096a07	1893	ECM1	0.692269	0.457393	10.7635	10.6376	1.09121
5	hcs096a07	1893	ECM1	0.387828	1.09487	10.824	10.2561	1.48235
7	hcs096a07	1893	ECM1	0.277331	1.47861	10.3886	9.82503	1.47793
3	hcs096a09	4048	LTA4H	0.384567	-1.10425	10.2244	10.4335	-1.15603
5	hcs096a09	4048	LTA4H	0.90089	-0.140857	9.80642	9.82057	-1.00985
7	hcs096a09	4048	LTA4H	0.38369	-1.10678	9.4553	9.76104	-1.23606
3	hcs096a11	55791	C1orf103	0.20365	1.862	9.98857	9.70481	1.21736
5	hcs096a11	55791	C1orf103	0.203884	1.86051	9.81205	9.22484	1.50234
1	hcs096a12			0.427049	-0.988636	11.1056	10.9835	1.08834
3	hcs096a12			0.99732	-0.0037905	10.9212	10.9226	-1.00095
5	hcs096a12			0.292634	-1.41525	10.8544	10.9509	-1.06915
7	hcs096a12			0.135422	-2.43323	10.0127	10.4008	-1.30864
3	hcs096b04	5300	PIN1	0.440039	-0.955806	9.85259	10.0129	-1.11749
3	hcs096b05	51004	COQ6	0.424725	-0.994624	9.98328	10.1758	-1.14277
5	hcs096b05	51004	COQ6	0.555663	-0.701434	10.1028	10.2753	-1.12697
1	hcs096b08	1611	DAP	0.25774	-1.56648	10.375	10.2369	1.10046
3	hcs096b08	1611	DAP	0.0955389	2.99867	10.8182	10.278	1.45417
5	hcs096b08	1611	DAP	0.0061891	12.6521	10.9756	10.2016	1.71004
7	hcs096b08	1611	DAP	0.0735795	3.47992	10.3585	9.80483	1.46782
1	hcs096b09	56259	CTNNBL1	0.177519	2.04497	9.40563	9.50668	0.932352
5	hcs096b10	51642	MRPL48	0.942502	-0.0814498	9.17399	9.19326	-1.01344
5	hcs096b11	2710	GK	0.0436509	4.62819	9.16691	8.83662	1.25726
1	hcs096c03	10901	DHRS4	0.299649	-1.38757	9.88694	9.70537	1.13411
3	hcs096c03	10901	DHRS4	0.963709	0.0513565	10.206	10.1926	1.00934
5	hcs096c03	10901	DHRS4	0.509414	-0.796188	10.0014	10.1428	-1.10301
1	hcs096c04	9546	APBA3	0.20579	1.84842	10.5263	10.8978	0.772996
3	hcs096c04	9546	APBA3	0.115573	-2.68014	11.249	11.3201	-1.05049
5	hcs096c04	9546	APBA3	0.562234	0.688579	10.6932	10.5656	1.09253
7	hcs096c04	9546	APBA3	0.504745	-0.806214	10.238	10.5812	-1.26858
1	hcs096c05	126792	B3GALT6	0.101092	-2.90149	9.86065	9.60245	1.19599
3	hcs096c05	126792	B3GALT6	0.128931	2.50809	10.3997	10.2128	1.13829
5	hcs096c05	126792	B3GALT6	0.241563	-1.64572	10.2744	10.3573	-1.05916
1	hcs096c08	7703	PCGF2	0.651752	0.525385	9.90251	10.0022	0.933201
3	hcs096c08	7703	PCGF2	0.821896	-0.25597	10.3113	10.366	-1.03868
5	hcs096c08	7703	PCGF2	0.468303	0.887829	10.0063	9.82244	1.13589
7	hcs096c08	7703	PCGF2	0.145164	2.32979	9.75026	9.66626	1.05996
5	hcs096c11	25906	C11orf51	0.43289	-0.973741	9.1753	9.30217	-1.09192
1	hcs096c12	4673	NAP1L1	0.39807	1.06601	9.69331	9.99668	0.810359
3	hcs096c12	4673	NAP1L1	0.280662	-1.46445	9.9456	10.1702	-1.16847

5	hcs096c12	4673	NAP1L1	0.0409205	-4.79042	9.96373	10.1821	-1.16346
3	hcs096d05	9482	STX8	0.900955	0.140763	9.81257	9.80129	1.00785
5	hcs096d05	9482	STX8	0.37293	-1.13845	9.88098	9.98712	-1.07635
1	hcs096d06	9519	TBPL1	0.258285	1.56392	9.98842	10.9031	0.530462
3	hcs096d06	9519	TBPL1	0.316481	-1.32429	10.3247	10.6213	-1.22827
5	hcs096d06	9519	TBPL1	0.224381	1.73778	10.8244	10.4149	1.32823
7	hcs096d06	9519	TBPL1	0.919892	0.113655	10.3639	10.2623	1.07298
1	hcs096d07	55788	LMBRD1	0.359125	1.18067	9.57319	9.69245	0.920662
3	hcs096d07	55788	LMBRD1	0.930575	0.0984195	9.79474	9.79065	1.00284
5	hcs096d07	55788	LMBRD1	0.497539	0.821869	9.60428	9.5106	1.06709
5	hcs096d12	26090	ABHD12	0.163682	2.1573	9.28822	8.97692	1.24082
1	hcs096e02	51647	FAM96B	0.00013931	-84.716	10.3662	9.97888	1.30796
5	hcs096e02	51647	FAM96B	0.873418	-0.180466	10.1553	10.1898	-1.0242
7	hcs096e02	51647	FAM96B	0.0464243	4.47798	9.81287	9.56245	1.18955
1	hcs096e05	10056	FARSB	0.522792	-0.767958	9.85551	9.42887	1.3441
3	hcs096e05	10056	FARSB	0.315675	1.32722	10.8063	10.5842	1.16642
5	hcs096e05	10056	FARSB	0.12296	-2.58176	9.67746	10.008	-1.25747
3	hcs096e07	4233	MET	0.380332	1.11656	9.94833	9.75829	1.1408
5	hcs096e07	4233	MET	0.269869	-1.51112	9.02233	9.33772	-1.24435
3	hcs096e08	28955	DEXI	0.0554873	4.0665	10.5328	10.2998	1.17524
5	hcs096e08	28955	DEXI	0.276738	-1.48115	9.19576	9.28404	-1.06311
3	hcs096e10	51406	NOL7	0.192711	1.93454	10.0389	9.81826	1.16523
5	hcs096e10	51406	NOL7	0.86241	-0.196451	9.73963	9.79821	-1.04144
3	hcs096e12	8440	NCK2	0.841777	0.226615	9.85232	9.78739	1.04603
5	hcs096e12	8440	NCK2	0.321442	1.30642	9.73293	9.39614	1.26294
3	hcs096f01	149345	SHISA4	0.988944	-0.0156366	9.50557	9.50694	-1.00095
5	hcs096f01	149345	SHISA4	0.869141	0.186668	9.70255	9.64895	1.03785
3	hcs096f02	473	RERE	0.168351	-2.118	10.3725	10.9206	-1.46213
5	hcs096f02	473	RERE	0.782022	-0.315862	10.6432	10.7386	-1.06835
7	hcs096f02	473	RERE	0.971213	-0.0407279	10.9548	10.9851	-1.02123
1	hcs096f03			0.94501	0.0778851	11.6982	11.7143	0.988902
3	hcs096f03			0.250494	1.60116	11.8135	11.6667	1.10711
5	hcs096f03			0.863496	0.19487	11.956	11.923	1.02314
7	hcs096f03			0.381779	-1.11233	11.529	11.7596	-1.17327
1	hcs096f05	7587	ZNF37A	0.560655	0.691656	11.7528	11.928	0.885644
3	hcs096f05	7587	ZNF37A	0.524872	0.763633	12.0043	11.9422	1.04396
5	hcs096f05	7587	ZNF37A	0.252929	-1.58936	11.8625	12.0107	-1.10819
7	hcs096f05	7587	ZNF37A	0.0282885	-5.8187	11.6186	11.9256	-1.23716
3	hcs096f06	56243	KIAA1217	0.227451	-1.72067	9.78569	9.97478	-1.14004
5	hcs096f06	56243	KIAA1217	0.553332	0.706028	9.53656	9.40947	1.09209
1	hcs096f08	359948	IRF2BP2	0.473464	0.875883	9.59794	9.73764	0.90771
3	hcs096f08	359948	IRF2BP2	0.579329	0.655765	10.3078	10.1191	1.13967
5	hcs096f08	359948	IRF2BP2	0.0002341	65.3449	10.9084	9.84248	2.09356
7	hcs096f08	359948	IRF2BP2	0.0307892	5.56658	10.034	9.40416	1.54736
1	hcs096f09	1855	DVL1	0.36153	1.17318	9.61602	9.80166	0.879259
3	hcs096f09	1855	DVL1	0.605549	-0.60706	9.66394	9.8001	-1.09898
5	hcs096f09	1855	DVL1	0.245914	1.62375	9.94518	9.58211	1.28616

7	hcs096f09	1855	DVL1	0.858488	-0.202163	9.50155	9.56772	-1.04693
3	hcs096g01	5476	CTSA	0.923077	0.109109	10.2787	10.2648	1.00968
5	hcs096g01	5476	CTSA	0.761551	0.347234	10.3682	10.2923	1.05399
1	hcs096g03	?	?	0.653804	0.521867	11.7051	11.7912	0.942066
3	hcs096g03	?	?	0.657225	0.516019	11.9988	11.9682	1.02144
5	hcs096g03	?	?	0.236696	-1.67091	11.8793	11.983	-1.0745
7	hcs096g03	?	?	0.17722	-2.04727	11.2986	11.7851	-1.40101
1	hcs096g05	11234	HPS5	0.101163	2.90029	11.1267	11.4072	0.823287
3	hcs096g05	11234	HPS5	0.999102	0.0012693	11.7412	11.741	1.00016
5	hcs096g05	11234	HPS5	0.395538	-1.07306	11.4197	11.6747	-1.19339
7	hcs096g05	11234	HPS5	0.677969	-0.481046	10.9376	11.0284	-1.06496
1	hcs096g06	339287	MSL1	0.808192	-0.276389	9.81435	9.75556	1.04159
3	hcs096g06	339287	MSL1	0.939976	-0.0850396	10.6092	10.6344	-1.0176
5	hcs096g06	339287	MSL1	0.205921	-1.8476	10.3673	10.5148	-1.1077
7	hcs096g06	339287	MSL1	0.0828818	-3.25377	9.35491	9.85397	-1.41329
1	hcs096g08	7965	AIMP2	0.642843	0.540762	9.85533	9.97036	0.923361
3	hcs096g08	7965	AIMP2	0.318702	1.31625	10.3523	10.2041	1.10819
5	hcs096g08	7965	AIMP2	0.57037	0.672852	10.1129	10.0028	1.07927
7	hcs096g08	7965	AIMP2	0.127718	-2.52267	9.51458	9.93049	-1.33415
1	hcs096g11	55690	PACS1	0.490373	0.837663	9.84424	9.91226	0.953949
3	hcs096g11	55690	PACS1	0.247705	-1.61485	10.0099	10.3036	-1.22572
5	hcs096g11	55690	PACS1	0.619516	0.581847	9.98264	9.88726	1.06835
1	hcs096g12	55573	CDV3	0.557974	-0.696899	10.0201	9.95723	1.04454
3	hcs096g12	55573	CDV3	0.58439	0.646216	10.2163	10.1081	1.07792
5	hcs096g12	55573	CDV3	0.114025	2.7019	10.0591	9.8376	1.16591
3	hcs096h01	8508	NIPSNAP1	0.956702	-0.0612902	9.69018	9.70668	-1.0115
5	hcs096h01	8508	NIPSNAP1	0.112507	2.72362	10.159	9.76557	1.31352
5	hcs096h07	90231	KIAA2013	0.167919	2.12157	9.73963	9.49669	1.1834
1	hcs096h11	4947	OAZ2	0.140762	-2.37529	9.78249	9.57105	1.15784
3	hcs096h11	4947	OAZ2	0.797357	-0.292652	9.63408	9.7506	-1.08412
5	hcs096h11	4947	OAZ2	0.0554167	4.06932	10.0112	9.63399	1.29879
7	hcs096h11	4947	OAZ2	0.988656	-0.0160436	9.71321	9.71511	-1.00132
1	hcs096h12	?	?	0.129142	2.50558	11.8916	12.3521	0.726751
3	hcs096h12	?	?	0.974857	-0.0355684	11.9107	11.925	-1.00996
5	hcs096h12	?	?	0.38709	-1.09698	11.9017	12.0623	-1.11773
7	hcs096h12	?	?	0.848418	-0.216876	11.7844	11.8316	-1.03323
1	hcs097a02	79363	C1orf89	0.266979	-1.52402	9.66558	9.21024	1.37111
3	hcs097a02	79363	C1orf89	0.430652	-0.979423	9.4669	9.59469	-1.09262
5	hcs097a02	79363	C1orf89	0.348164	1.21556	9.4777	9.13672	1.26662
1	hcs097a03	90861	HN1L	0.687252	-0.465651	9.77166	9.55519	1.16189
3	hcs097a03	90861	HN1L	0.181615	-2.01397	9.47215	9.69995	-1.17105
5	hcs097a03	90861	HN1L	0.207996	1.83462	9.65114	9.13756	1.42759
1	hcs097a06	115123	MARCH3	0.409547	-1.03464	9.31746	9.19074	1.09181
5	hcs097a06	115123	MARCH3	0.120618	2.61203	9.64701	9.42285	1.1681
3	hcs097a07	54505	DHX29	0.582983	0.648864	9.37442	9.27965	1.0679
5	hcs097a07	54505	DHX29	0.353693	1.1978	9.65253	9.47902	1.1278
5	hcs097a08	201931	TMEM192	0.449282	0.93308	9.37439	9.25489	1.08636

5	hcs097a09	58517	RBM25	0.950993	0.0693893	9.30753	9.30181	1.00397
1	hcs097a10	56996	SLC12A9	0.135525	2.43208	9.88909	10.3429	0.730129
3	hcs097a10	56996	SLC12A9	0.207176	1.83973	10.7331	10.2778	1.37107
5	hcs097a10	56996	SLC12A9	0.0100651	9.89222	11.3577	10.3199	2.05309
7	hcs097a10	56996	SLC12A9	0.0003966	50.1956	10.6037	9.97383	1.54746
1	hcs097b02	22924	MAPRE3	0.749658	-0.365681	9.89066	9.81102	1.05675
3	hcs097b02	22924	MAPRE3	0.0344736	-5.24562	9.89483	10.1475	-1.19139
3	hcs097b03	?	?	0.920578	-0.112676	10.4972	10.5146	-1.01212
5	hcs097b03	?	?	0.125867	-2.54529	10.3705	10.7957	-1.34274
1	hcs097b06	7529	YWHAB	0.498989	0.8187	9.99543	10.098	0.931381
3	hcs097b06	7529	YWHAB	0.929724	0.0996322	10.4386	10.4279	1.00747
5	hcs097b06	7529	YWHAB	0.642239	-0.541811	9.51966	9.6335	-1.0821
7	hcs097b06	7529	YWHAB	0.683437	-0.47196	9.69416	9.75519	-1.04321
3	hcs097b07	84333	PCGF5	0.177675	2.04377	10.1961	9.9998	1.14574
5	hcs097b07	84333	PCGF5	0.812134	-0.270499	10.3084	10.3177	-1.00642
5	hcs097b09	6988	TCTA	0.335416	1.25782	10.1308	9.80471	1.25358
1	hcs097b10	7328	UBE2H	0.360724	1.17568	9.74859	10.112	0.777318
3	hcs097b10	7328	UBE2H	0.946209	-0.0761829	9.99789	10.0143	-1.01141
5	hcs097b10	7328	UBE2H	0.0837562	3.23439	10.058	9.62544	1.34959
7	hcs097b10	7328	UBE2H	0.856514	-0.205041	9.69663	9.79268	-1.06884
1	hcs097b12	4902	NRTN	0.227492	-1.72045	10.1712	9.74169	1.34677
3	hcs097b12	4902	NRTN	0.578612	0.657123	9.92809	9.79683	1.09525
5	hcs097b12	4902	NRTN	0.0988687	2.93946	10.1288	9.77967	1.27382
7	hcs097b12	4902	NRTN	0.876531	0.175958	9.70875	9.68085	1.01953
1	hcs097c01	54998	AURKAIP1	0.697674	-0.448543	9.21622	9.12186	1.06759
5	hcs097c02	9517	SPTLC2	0.861847	0.19727	9.39409	9.3425	1.03641
5	hcs097c03	23274	CLEC16A	0.258252	-1.56407	9.41753	9.57615	-1.11622
3	hcs097c04	3920	LAMP2	0.654518	-0.520644	9.82552	9.92587	-1.07204
5	hcs097c04	3920	LAMP2	0.242708	1.63989	9.86821	9.72832	1.10182
5	hcs097c05	3338	DNAJC4	0.333333	1.26492	9.37521	9.09725	1.21248
5	hcs097c06	?	?	0.712779	0.42406	9.60843	9.58356	1.01739
1	hcs097c07	?	?	0.344109	-1.2288	10.2078	10.0865	1.08774
3	hcs097c07	?	?	0.684134	0.470805	10.5825	10.4213	1.11818
5	hcs097c07	?	?	0.461476	0.903843	10.5742	10.2955	1.21308
7	hcs097c07	?	?	0.735106	-0.388495	9.72812	9.87112	-1.1042
3	hcs097c08			0.275994	-1.48435	9.52262	9.65859	-1.09883
5	hcs097c08			0.355739	-1.19131	9.33465	9.54791	-1.1593
3	hcs097c12			0.324048	-1.29716	9.34593	9.6099	-1.20078
5	hcs097c12			0.608009	0.602585	9.12683	9.00747	1.08626
1	hcs097d04	83479	DDX59	0.391267	1.08508	9.36964	9.6943	0.798487
3	hcs097d04	83479	DDX59	0.785635	-0.310374	9.67469	9.81997	-1.10594
1	hcs097d07	27175	TUBG2	0.797619	0.292258	10.5199	10.5464	0.981822
3	hcs097d07	27175	TUBG2	0.0439635	4.61057	11.0323	10.8613	1.12584
5	hcs097d07	27175	TUBG2	0.0042143	15.3553	10.9262	10.5379	1.30891
7	hcs097d07	27175	TUBG2	0.210579	1.8187	10.2884	10.0039	1.218
3	hcs097d08	7275	TUB	0.30948	-1.3501	9.83994	10.1468	-1.23702
5	hcs097d08	7275	TUB	0.455622	0.917775	10.3129	10.2398	1.05197

1	hcs097d10	?	?	0.270397	-1.50878	9.44687	9.30968	1.09976
3	hcs097d10	?	?	0.472526	0.878045	10.2041	10.0373	1.12256
5	hcs097d10	?	?	0.107232	2.80248	9.84144	9.57539	1.20251
7	hcs097d10	?	?	0.632134	-0.559472	9.13856	9.23107	-1.06623
1	hcs097d11			0.765133	-0.34171	9.59588	9.51228	1.05966
3	hcs097d11			0.646954	0.533646	9.57841	9.53595	1.02987
5	hcs097d11			0.824338	-0.252347	9.59065	9.60414	-1.00939
1	hcs097e05	51451	LCMT1	0.568596	0.676263	10.5592	10.6731	0.924066
3	hcs097e05	51451	LCMT1	0.887424	-0.160225	10.7294	10.7617	-1.02264
5	hcs097e05	51451	LCMT1	0.813993	0.267726	10.4129	10.3862	1.01874
7	hcs097e05	51451	LCMT1	0.422567	-1.00021	10.341	10.5325	-1.14195
1	hcs097e09	421	ARVCF	0.277083	1.47967	10.0506	10.2216	0.888241
3	hcs097e09	421	ARVCF	0.0623935	-3.81358	9.92506	10.1702	-1.18519
3	hcs097e10	6774	STAT3	0.0660928	-3.69423	9.49434	9.66572	-1.12613
5	hcs097e10	6774	STAT3	0.394628	-1.07561	8.9889	9.05693	-1.04828
1	hcs097e11			0.516367	0.781428	9.8396	10.2223	0.766983
3	hcs097e11			0.491754	-0.834601	9.93859	10.1479	-1.15611
5	hcs097e11			0.460667	0.905758	10.4119	10.2605	1.11062
1	hcs097f05	63894	VIPAR	0.0203201	6.90779	9.17868	9.78699	0.655966
3	hcs097f05	63894	VIPAR	0.846256	-0.220042	9.91892	9.99789	-1.05626
5	hcs097f05	63894	VIPAR	0.0718586	-3.52631	9.93785	10.3313	-1.31349
1	hcs097f06	10300	KATNB1	0.449076	-0.93358	11.7148	11.536	1.13194
3	hcs097f06	10300	KATNB1	0.242065	1.64316	11.7333	11.2672	1.38139
5	hcs097f06	10300	KATNB1	0.283714	1.45167	11.8471	11.3838	1.37866
7	hcs097f06	10300	KATNB1	0.0792679	3.33708	11.3697	10.8247	1.45895
1	hcs097f08	54788	DNAJB12	0.943562	0.0799429	9.91296	9.91898	0.995838
3	hcs097f08	54788	DNAJB12	0.19372	-1.92762	10.1343	10.2665	-1.09594
5	hcs097f08	54788	DNAJB12	0.834808	0.236871	9.87722	9.84704	1.02114
7	hcs097f08	54788	DNAJB12	0.726331	-0.402388	9.50123	9.55875	-1.04068
1	hcs097f11	762	CA4	0.652952	0.523326	11.5892	11.6297	0.972296
3	hcs097f11	762	CA4	0.547743	-0.717117	11.2394	11.3827	-1.10445
5	hcs097f11	762	CA4	0.511954	0.790774	11.6027	11.5101	1.06629
7	hcs097f11	762	CA4	0.577207	-0.659791	10.7951	10.9674	-1.12683
1	hcs097f12	56655	POLE4	0.0647899	-3.73514	9.92367	9.60936	1.24341
3	hcs097f12	56655	POLE4	0.737983	-0.383962	9.70939	9.82035	-1.07995
5	hcs097f12	56655	POLE4	0.457536	0.913199	9.73264	9.62293	1.07901
7	hcs097f12	56655	POLE4	0.10339	2.86345	9.59453	9.49577	1.07085
5	hcs097g01	7461	CLIP2	0.124458	-2.56282	8.81403	9.12816	-1.24326
3	hcs097g02	10435	CDC42EP2	0.157232	2.2142	10.2681	9.91371	1.27846
5	hcs097g02	10435	CDC42EP2	0.843075	0.22471	10.0139	9.97796	1.02522
5	hcs097g04	?	?	0.444345	-0.945156	9.74587	9.96033	-1.16027
3	hcs097g06	11214	AKAP13	0.997483	0.0035592	10.0166	10.0157	1.00062
5	hcs097g06	11214	AKAP13	0.590149	-0.635439	9.72488	9.7641	-1.02755
5	hcs097g08	84440	RAB11FIP4	0.277295	1.47877	9.61637	9.4943	1.0883
1	hcs097g09	55052	MRPL20	0.671648	-0.491618	9.65066	9.58668	1.04534
3	hcs097g09	55052	MRPL20	0.682719	0.47315	9.84019	9.72613	1.08227
5	hcs097g09	55052	MRPL20	0.0680171	3.6359	10.0892	9.41607	1.59455



7	hcs097g09	55052	MRPL20	0.115169	2.68578	9.53993	9.15729	1.30373
1	hcs097h02	29979	UBQLN1	0.591319	0.63326	9.65909	9.84573	0.878652
3	hcs097h02	29979	UBQLN1	0.833048	-0.239467	10.1432	10.2132	-1.04977
5	hcs097h02	29979	UBQLN1	0.400585	-1.05905	10.1526	10.3522	-1.14839
1	hcs097h03	79760	GEMIN7	0.997645	0.0033305	9.66779	9.66798	0.999871
3	hcs097h03	79760	GEMIN7	0.167824	2.12236	10.2446	10.079	1.12161
5	hcs097h03	79760	GEMIN7	0.0542615	-4.11622	9.74802	9.96395	-1.16145
1	hcs097h04	5269	SERPINB6	0.334253	1.26178	10.9647	11.0975	0.912081
3	hcs097h04	5269	SERPINB6	0.403774	1.05029	11.1372	11.1261	1.00772
5	hcs097h04	5269	SERPINB6	0.833115	0.239368	11.2066	11.1745	1.0225
7	hcs097h04	5269	SERPINB6	0.43274	-0.974122	10.5098	10.6499	-1.10197
5	hcs097h05	3672	ITGA1	0.271461	-1.50409	9.99495	10.1634	-1.12386
1	hcs097h06	10884	MRPS30	0.626851	0.568796	10.1794	10.3126	0.911801
3	hcs097h06	10884	MRPS30	0.806503	0.278917	10.5632	10.5436	1.01368
5	hcs097h06	10884	MRPS30	0.590569	-0.634655	10.0729	10.0951	-1.01546
1	hcs097h07	54928	IMPAD1	0.0443854	4.58708	10.5237	10.6915	0.89022
3	hcs097h07	54928	IMPAD1	0.23484	1.6807	11.1546	11.0857	1.04897
5	hcs097h07	54928	IMPAD1	0.377416	1.12512	10.7961	10.7123	1.05978
7	hcs097h07	54928	IMPAD1	0.85321	0.209866	10.2796	10.2273	1.03692
3	hcs097h08	8724	SNX3	0.984601	-0.02178	10.9016	10.9076	-1.00417
5	hcs097h08	8724	SNX3	0.791266	0.301844	10.5715	10.4825	1.06363
1	hcs097h09	51142	CHCHD2	0.525922	0.761454	10.4571	10.5308	0.950176
3	hcs097h09	51142	CHCHD2	0.850919	0.213215	10.8379	10.7878	1.03534
5	hcs097h09	51142	CHCHD2	0.0398289	4.85979	10.7103	10.4772	1.17536
7	hcs097h09	51142	CHCHD2	0.888582	-0.158557	10.2197	10.2477	-1.01963
5	hcs097h11	84334	C14orf153	0.760147	-0.349403	8.93657	8.96381	-1.01906
5	hcs098a02	9255	AIMP1	0.321191	-1.30732	9.26438	9.91749	-1.57255
5	hcs098a03	84317	CCDC115	0.0930802	3.04431	9.66459	9.40667	1.19575
1	hcs098a04	1969	EPHA2	0.338394	-1.24778	10.1924	9.95523	1.17868
5	hcs098a04	1969	EPHA2	0.213947	1.79832	10.24	9.85465	1.30617
1	hcs098a05			0.433955	0.97105	9.59832	9.80243	0.868074
5	hcs098a05			0.581347	-0.651948	9.88976	9.93957	-1.03513
3	hcs098b01	23094	SIPA1L3	0.511139	-0.792509	9.5596	9.63684	-1.05499
1	hcs098b02	51292	GMPR2	0.782841	-0.314617	10.1344	10.036	1.07055
3	hcs098b02	51292	GMPR2	0.137007	-2.41572	10.2386	10.8515	-1.5293
5	hcs098b02	51292	GMPR2	0.221963	1.75148	10.6976	10.0541	1.56215
7	hcs098b02	51292	GMPR2	0.356874	1.18773	10.421	9.83176	1.50445
7	hcs098b03			0.994274	-0.008098	9.43361	9.43612	-1.00174
1	hcs098b04	9188	DDX21	0.690443	-0.460394	10.2355	9.76226	1.38823
5	hcs098b04	9188	DDX21	0.556036	0.700703	10.1262	9.88595	1.18122
1	hcs098b05	4710	NDUFB4	0.62502	0.572042	10.3445	10.4292	0.94298
3	hcs098b05	4710	NDUFB4	0.357704	-1.18512	10.7211	10.9752	-1.19259
5	hcs098b05	4710	NDUFB4	0.10194	2.88731	10.9466	10.3243	1.53933
7	hcs098b05	4710	NDUFB4	0.378634	1.12153	10.5535	10.2626	1.22335
1	hcs098b06			0.640082	-0.545562	12.5883	12.3224	1.20241
3	hcs098b06			0.247285	1.61693	12.9443	12.3497	1.51012
5	hcs098b06			0.309853	1.3487	12.5782	12.0088	1.48391

7	hcs098b06			0.94066	-0.0840683	12.2316	12.2513	-1.0137
3	hcs098b08	4308	TRPM1	0.0394759	-4.88282	9.29102	10.2752	-1.97822
5	hcs098b09	93622	LOC93622	0.544894	0.722811	9.74736	9.48665	1.19807
1	hcs098b12	?	?	0.685741	-0.468147	11.3638	11.1814	1.1348
3	hcs098b12	?	?	0.49232	0.83335	11.4717	11.0342	1.35422
5	hcs098b12	?	?	0.208467	1.83169	11.7062	11.1394	1.48127
7	hcs098b12	?	?	0.803205	0.283861	10.77	10.7303	1.0279
1	hcs098c01	65244	SPATS2	0.805446	-0.280501	9.71598	9.56056	1.11375
3	hcs098c01	65244	SPATS2	0.20856	-1.83112	9.30212	9.77598	-1.38882
5	hcs098c01	65244	SPATS2	0.54485	-0.722899	9.39695	9.59298	-1.14554
7	hcs098c01	65244	SPATS2	0.918167	0.116119	9.08064	8.98975	1.06502
1	hcs098c02	2288	FKBP4	0.271992	-1.50176	10.1352	9.45445	1.60298
5	hcs098c02	2288	FKBP4	0.670233	-0.493994	9.43805	9.54698	-1.07843
7	hcs098c02	2288	FKBP4	0.291428	1.42009	9.70765	9.15268	1.46913
1	hcs098c05	130074	FAM168B	0.363955	-1.16569	10.1366	10.0743	1.0441
3	hcs098c05	130074	FAM168B	0.383987	1.10592	10.1764	10.0974	1.05627
5	hcs098c05	130074	FAM168B	0.301531	1.38028	10.0037	9.88926	1.08255
5	hcs098c07	1997	ELF1	0.344464	1.22764	9.49176	9.18861	1.23384
1	hcs098c08	8896	BUD31	0.575513	-0.663014	10.433	10.3598	1.05207
3	hcs098c08	8896	BUD31	0.306432	-1.36156	10.5155	10.871	-1.27945
5	hcs098c08	8896	BUD31	0.199723	1.88744	10.7395	10.2939	1.36186
7	hcs098c08	8896	BUD31	0.646282	0.534806	10.3704	10.2317	1.10085
5	hcs098c10	26097	C1orf77	0.648678	0.530671	9.46664	9.29753	1.12436
1	hcs098c11	?	?	0.12243	2.58854	9.56962	10.5853	0.494584
3	hcs098c11	?	?	0.459745	-0.907943	10.5999	10.8659	-1.2025
5	hcs098c11	?	?	0.541385	0.729859	10.8147	10.6103	1.15218
7	hcs098c11	?	?	0.704918	0.436757	10.2638	10.103	1.11794
5	hcs098c12	29798	C2orf27A	0.871345	0.183471	10.3664	10.3032	1.04478
7	hcs098c12	29798	C2orf27A	0.824947	0.251445	10.0043	9.85507	1.109
1	hcs098d01	27445	PCLO	0.513497	0.787496	12.0587	12.2019	0.905488
3	hcs098d01	27445	PCLO	0.984544	-0.0218614	12.1552	12.1578	-1.00178
5	hcs098d01	27445	PCLO	0.0211614	-6.7647	12.0649	12.2904	-1.16918
7	hcs098d01	27445	PCLO	0.341152	-1.23858	11.7128	12.1324	-1.33759
1	hcs098d03	10577	NPC2	0.819877	0.258969	11.6214	11.656	0.97628
3	hcs098d03	10577	NPC2	0.0941041	3.0251	11.7977	11.2944	1.41748
5	hcs098d03	10577	NPC2	0.0214311	6.72061	12.184	11.382	1.74348
7	hcs098d03	10577	NPC2	0.772919	0.329755	11.5774	11.5303	1.03314
1	hcs098d05			0.969651	-0.0429404	9.64493	9.62254	1.01564
5	hcs098d05			0.491597	0.834948	9.67073	9.39807	1.20803
7	hcs098d05			0.879316	-0.171929	9.5003	9.54643	-1.03249
1	hcs098d06	23647	ARFIP2	0.0850404	3.20645	10.3438	10.8639	0.697307
3	hcs098d06	23647	ARFIP2	0.574732	0.664502	11.223	10.864	1.28257
5	hcs098d06	23647	ARFIP2	0.0605519	3.8769	11.3253	10.5841	1.67164
7	hcs098d06	23647	ARFIP2	0.105586	2.82822	10.9694	10.5934	1.29776
1	hcs098d07	5695	PSMB7	0.651248	-0.52625	11.3408	11.23	1.07985
3	hcs098d07	5695	PSMB7	0.583308	0.648252	11.2791	11.0421	1.17854
5	hcs098d07	5695	PSMB7	0.0338637	5.29516	11.7664	11.116	1.56964

7	hcs098d07	5695	PSMB7	0.512775	0.789029	11.1203	10.9237	1.14599
5	hcs098d08	143570	XRRA1	0.638646	0.548066	9.41413	9.15542	1.19641
7	hcs098d08	143570	XRRA1	0.559656	0.693607	9.58228	9.50044	1.05836
1	hcs098d09	124808	CCDC43	0.818456	-0.26108	9.99633	9.86334	1.09656
3	hcs098d09	124808	CCDC43	0.454159	-0.921285	10.1457	10.4448	-1.23034
5	hcs098d09	124808	CCDC43	0.279201	1.47064	10.166	10.0141	1.111
7	hcs098d09	124808	CCDC43	0.593558	0.629103	10.015	9.81357	1.14983
1	hcs098d11	23148	NACAD	0.433604	-0.971937	10.0726	9.57545	1.41143
3	hcs098d11	23148	NACAD	0.416927	-1.01498	9.84355	10.055	-1.15783
5	hcs098d11	23148	NACAD	0.243673	1.635	10.0059	9.747	1.19659
7	hcs098d11	23148	NACAD	0.655052	0.519731	9.72552	9.58284	1.10395
1	hcs098d12	?	?	0.089811	3.10773	10.3101	10.6385	0.796419
3	hcs098d12	?	?	0.817482	0.26253	10.6309	10.5051	1.09108
5	hcs098d12	?	?	0.0772806	3.38525	10.9482	10.4973	1.36689
7	hcs098d12	?	?	0.101305	2.8979	10.5452	10.2562	1.2218
1	hcs098e02	10567	RABAC1	0.110648	2.7508	9.75494	10.2268	0.721028
3	hcs098e02	10567	RABAC1	0.232737	1.6919	9.97234	9.58109	1.31154
5	hcs098e02	10567	RABAC1	0.242865	1.63909	10.33	10.0419	1.22106
5	hcs098e03	55101	ATP5SL	0.660011	0.511274	9.54864	9.49728	1.03625
7	hcs098e03	55101	ATP5SL	0.136744	2.4186	9.89732	9.47959	1.33583
5	hcs098e04	51105	PHF20L1	0.134138	2.44765	10.5678	10.3547	1.15918
7	hcs098e04	51105	PHF20L1	0.156935	2.2169	10.16	9.82588	1.26062
1	hcs098e05	3039	HBA1	0.463097	0.900018	9.68924	9.73521	0.968638
1	hcs098e06			0.29798	1.39408	10.3553	10.4945	0.908006
3	hcs098e06			0.401012	-1.05787	10.8024	10.8481	-1.03223
5	hcs098e06			0.851644	-0.212155	10.4394	10.4535	-1.00979
7	hcs098e06			0.490762	-0.8368	9.83942	9.95683	-1.08479
5	hcs098e07	3839	KPNA3	0.415767	1.01804	10.1628	9.92133	1.1822
5	hcs098e08	?	?	0.605875	0.606467	9.63894	9.58215	1.04015
7	hcs098e08	?	?	0.919671	-0.113971	9.54018	9.55412	-1.00971
1	hcs098e10	642819	ZNF487P	0.358667	-1.1821	10.2149	9.79302	1.33967
5	hcs098e10	642819	ZNF487P	0.0118372	-9.10946	10.1742	10.2991	-1.09044
5	hcs098e11	79611	ACSS3	0.96418	0.0506893	9.46837	9.45944	1.00621
1	hcs098e12	1845	DUSP3	0.672686	0.489876	10.3195	10.4645	0.9044
3	hcs098e12	1845	DUSP3	0.48708	0.845	10.7618	10.4604	1.23234
5	hcs098e12	1845	DUSP3	0.0710202	3.54949	10.8093	10.2723	1.45099
7	hcs098e12	1845	DUSP3	0.64178	0.542608	10.2412	10.1673	1.05258
1	hcs098f01	23208	SYT11	0.370927	1.14446	9.3127	9.67259	0.779222
3	hcs098f01	23208	SYT11	0.864367	-0.193602	10.0585	10.1068	-1.03411
5	hcs098f01	23208	SYT11	0.0847719	3.21224	10.2112	9.43854	1.70846
7	hcs098f01	23208	SYT11	0.158663	2.2013	10.2753	9.58383	1.61492
5	hcs098f02	81577	GFOD2	0.604979	-0.608099	9.24373	9.33297	-1.06381
1	hcs098f03	29100	TMEM208	0.318812	-1.31585	9.73019	9.31608	1.33247
3	hcs098f03	29100	TMEM208	0.0725363	-3.50785	9.80576	10.1763	-1.29287
5	hcs098f03	29100	TMEM208	0.462986	-0.90028	9.5645	9.72923	-1.12096
7	hcs098f03	29100	TMEM208	0.864233	-0.193799	9.65558	9.67613	-1.01434
5	hcs098f04	11007	CCDC85B	0.325289	1.29279	9.46889	9.19909	1.20564

7	hcs098f04	11007	CCDC85B	0.714155	0.421846	9.33057	9.19387	1.09939
5	hcs098f05	23498	HAAO	0.525929	-0.76144	10.1792	10.4808	-1.23246
1	hcs098f07	56984	PSMG2	0.650019	-0.528363	10.4018	10.0585	1.26865
3	hcs098f07	56984	PSMG2	0.412915	-1.02562	10.2458	10.5332	-1.22043
5	hcs098f07	56984	PSMG2	0.0956138	2.99731	10.4154	9.92385	1.40593
7	hcs098f07	56984	PSMG2	0.968451	0.044639	9.91943	9.9128	1.00461
5	hcs098f11	64215	DNAJC1	0.177206	2.04738	9.53864	9.27381	1.2015
1	hcs098f12	653635	WASH7P	0.589952	-0.635805	9.50853	9.2868	1.16613
5	hcs098f12	653635	WASH7P	0.844271	-0.222955	9.39237	9.44412	-1.03652
7	hcs098f12	653635	WASH7P	0.319771	1.3124	9.60218	9.30307	1.23038
5	hcs098g01	150290	DUSP18	0.736073	0.386971	9.14499	9.0453	1.07155
5	hcs098g02	119559	SFXN4	0.45279	-0.924582	9.23451	9.34716	-1.08121
1	hcs098g04			0.354838	-1.19417	9.64362	9.30372	1.26567
3	hcs098g04			0.176246	-2.0548	9.42299	9.85054	-1.34495
5	hcs098g04			0.504302	0.80717	9.55906	9.28055	1.21294
7	hcs098g04			0.696602	0.450295	9.76149	9.73606	1.01778
5	hcs098g05	348751	LOC348751	0.331933	-1.26971	9.30403	9.44752	-1.10458
1	hcs098g06	997	CDC34	0.644914	-0.537174	9.84426	9.78986	1.03842
3	hcs098g06	997	CDC34	0.752383	-0.36144	10.0281	10.0889	-1.04304
5	hcs098g06	997	CDC34	0.412108	1.02777	9.79223	9.56161	1.17334
1	hcs098g07	51078	THAP4	0.260961	-1.55146	9.97986	9.82976	1.10964
3	hcs098g07	51078	THAP4	0.205539	-1.85001	9.96679	10.3817	-1.33322
5	hcs098g07	51078	THAP4	0.255287	1.57807	10.3498	9.92134	1.34582
7	hcs098g07	51078	THAP4	0.328029	1.2832	10.0499	9.92167	1.09294
5	hcs098g11	3398	ID2	0.403647	-1.05064	9.46502	9.56074	-1.0686
7	hcs098g11	3398	ID2	0.605677	-0.606827	9.47991	9.60295	-1.08903
1	hcs098h01	79595	SAP130	0.119362	-2.62862	10.273	9.61483	1.57808
5	hcs098h01	79595	SAP130	0.997042	0.0041825	9.61638	9.61545	1.00064
7	hcs098h01	79595	SAP130	0.956909	0.0609966	9.64788	9.64446	1.00237
3	hcs098h03			0.0704812	-3.56461	9.30726	10.0068	-1.62396
5	hcs098h03			0.29422	-1.40892	9.12088	9.29092	-1.12509
7	hcs098h03			0.196519	-1.90867	9.07073	9.37862	-1.2379
1	hcs098h04	57185	NIPAL3	0.986377	-0.0192673	10.0107	10.0033	1.00516
3	hcs098h04	57185	NIPAL3	0.15122	-2.27019	10.0454	10.6814	-1.55401
5	hcs098h04	57185	NIPAL3	0.826853	0.248622	10.3142	10.2748	1.02771
7	hcs098h04	57185	NIPAL3	0.498727	0.819272	10.29	9.99089	1.23038
5	hcs098h06			0.490457	0.837476	9.3035	9.19534	1.07786
1	hcs098h08	5911	RAP2A	0.740825	-0.379497	9.6632	9.47072	1.14273
3	hcs098h08	5911	RAP2A	0.543346	-0.725916	9.84054	10.074	-1.17565
5	hcs098h08	5911	RAP2A	0.358621	1.18224	9.9635	9.72793	1.17737
7	hcs098h08	5911	RAP2A	0.459346	0.90889	9.71491	9.69563	1.01345
1	hcs098h09	7918	GPANK1	0.66352	-0.50532	9.75435	9.40005	1.27837
3	hcs098h09	7918	GPANK1	0.473061	-0.876811	9.75673	10.0018	-1.18515
5	hcs098h09	7918	GPANK1	0.113594	2.70802	9.90996	9.4745	1.35234
7	hcs098h09	7918	GPANK1	0.354904	1.19396	9.72698	9.64336	1.05968
5	hcs098h10	92196	DAPL1	0.62631	0.569753	9.3328	9.16957	1.11979
1	hcs098h11	130574	LYPD6	0.618059	0.584456	11.681	11.7834	0.931504

3	hcs098h11	130574	LYPD6	0.899504	-0.142846	11.3631	11.388	-1.01741
5	hcs098h11	130574	LYPD6	0.971395	-0.0404708	11.8342	11.8374	-1.00224
7	hcs098h11	130574	LYPD6	0.334275	-1.2617	11.4445	11.6364	-1.14229
1	hcs098h12	7335	UBE2V1	0.753476	0.359741	12.0451	12.1172	0.951252
3	hcs098h12	7335	UBE2V1	0.62722	-0.568142	11.5024	11.6216	-1.08613
5	hcs098h12	7335	UBE2V1	0.351535	1.2047	12.1858	11.9178	1.20414
7	hcs098h12	7335	UBE2V1	0.451616	0.927419	11.8336	11.7141	1.08633
1	hcs099a03	57291	KIAA0114	0.727696	0.40022	9.65696	9.74758	0.939117
3	hcs099a03	57291	KIAA0114	0.718883	0.414265	10.656	10.5774	1.05593
5	hcs099a03	57291	KIAA0114	0.72819	0.399436	10.2359	10.1608	1.05341
1	hcs099a04	53838	C11orf24	0.781849	-0.316126	9.79301	9.73444	1.04144
3	hcs099a04	53838	C11orf24	0.396323	1.07087	10.1935	9.97736	1.16163
5	hcs099a04	53838	C11orf24	0.26771	1.52074	9.94269	9.7974	1.10595
7	hcs099a04	53838	C11orf24	0.681195	-0.475679	9.42262	9.55176	-1.09364
1	hcs099a09	25940	FAM98A	0.275217	1.48771	11.9279	12.1864	0.835956
3	hcs099a09	25940	FAM98A	0.846508	-0.219674	11.6523	11.6828	-1.02139
5	hcs099a09	25940	FAM98A	0.265788	1.52939	11.8748	11.5609	1.24306
7	hcs099a09	25940	FAM98A	0.074725	3.4499	11.9704	11.6269	1.26883
1	hcs099b01	203111	C8orf47	0.11662	2.66568	10.0946	10.3984	0.810088
3	hcs099b01	203111	C8orf47	0.790355	0.303221	10.4856	10.417	1.04866
5	hcs099b01	203111	C8orf47	0.32907	1.27958	10.6084	10.4125	1.14544
7	hcs099b01	203111	C8orf47	0.221445	-1.75444	10.1937	10.5419	-1.27293
1	hcs099b02	5705	PSMC5	0.312403	-1.33923	10.2933	10.174	1.08622
3	hcs099b02	5705	PSMC5	0.36581	1.15999	10.4463	10.2595	1.13826
5	hcs099b02	5705	PSMC5	0.309584	1.34971	10.391	10.1181	1.20824
7	hcs099b02	5705	PSMC5	0.229187	-1.71113	10.12	10.3391	-1.16398
3	hcs099b04	84914	ZNF587	0.263367	-1.54039	9.03783	9.68227	-1.56313
1	hcs099b05	23114	NFASC	0.56923	0.675044	11.7368	11.9496	0.862841
3	hcs099b05	23114	NFASC	0.693853	0.454795	11.9177	11.8474	1.04993
5	hcs099b05	23114	NFASC	0.0095372	10.1664	11.9068	11.5152	1.31191
7	hcs099b05	23114	NFASC	0.0079805	11.1268	11.9886	11.2746	1.64038
5	hcs099b08	3094	HINT1	0.767494	-0.338078	10.8081	10.8562	-1.03395
7	hcs099b08	3094	HINT1	0.795822	-0.294966	10.3201	10.3761	-1.03961
1	hcs099b10			0.277334	1.4786	10.2948	11.4937	0.435597
3	hcs099b10			0.0693249	-3.59761	11.0673	11.3885	-1.24937
5	hcs099b10			0.12253	2.58726	11.7134	11.2464	1.38223
7	hcs099b10			0.795479	0.295482	11.1547	10.954	1.14923
5	hcs099b11	146177	VWA3A	0.717945	-0.415767	9.14701	9.18094	-1.0238
1	hcs099b12	57645	POGK	0.851675	-0.21211	9.31162	9.25952	1.03677
3	hcs099b12	57645	POGK	0.445904	-0.941326	9.19402	9.27603	-1.05849
5	hcs099b12	57645	POGK	0.240008	1.6537	9.55077	9.23718	1.2428
1	hcs099c03	23001	WDFY3	0.0100733	-9.88809	10.1053	9.92227	1.13527
3	hcs099c03	23001	WDFY3	0.189316	1.95818	10.7193	10.3377	1.3028
5	hcs099c03	23001	WDFY3	0.409855	1.03381	10.2986	10.1606	1.10032
1	hcs099c04	?	?	0.865342	-0.192186	9.84793	9.81639	1.02211
3	hcs099c04	?	?	0.40632	1.04336	10.6264	10.4535	1.12736
5	hcs099c04	?	?	0.115044	2.68753	10.9234	10.6629	1.19785

3	hcs099c05	?	?	0.702544	-0.440611	10.8045	10.906	-1.07285
5	hcs099c05	?	?	0.464484	-0.896756	10.148	10.4446	-1.22825
1	hcs099c06	5062	PAK2	0.0578755	3.97409	9.58598	9.79796	0.863354
3	hcs099c06	5062	PAK2	0.757707	0.353177	10.2068	10.1639	1.03018
5	hcs099c06	5062	PAK2	0.895306	-0.148878	9.94018	9.95352	-1.00928
7	hcs099c06	5062	PAK2	0.253959	-1.58441	9.87248	10.4101	-1.45161
1	hcs099c07	100188893	TOMM6	0.31707	-1.32215	10.2754	10.1489	1.09168
3	hcs099c07	100188893	TOMM6	0.246991	1.61839	10.7375	10.4241	1.2427
5	hcs099c07	100188893	TOMM6	0.010972	9.46805	10.5747	10.2458	1.25608
5	hcs099c08	?	?	0.428584	-0.984699	9.62058	9.74183	-1.08767
1	hcs099d05	11057	ABHD2	0.773007	0.329621	10.4213	10.4945	0.950527
3	hcs099d05	11057	ABHD2	0.541449	0.729732	10.5197	10.4359	1.05983
5	hcs099d05	11057	ABHD2	0.0476719	4.41463	10.6238	10.1704	1.36931
7	hcs099d05	11057	ABHD2	0.0208938	6.80928	10.6225	9.99141	1.5487
1	hcs099d08	539	ATP5O	0.910194	-0.127521	10.1988	10.1872	1.00808
3	hcs099d08	539	ATP5O	0.900871	-0.140883	10.4809	10.5132	-1.02264
5	hcs099d08	539	ATP5O	0.27161	1.50344	10.4976	10.2568	1.18163
7	hcs099d08	539	ATP5O	0.225799	-1.72984	9.94794	10.1159	-1.12351
3	hcs099e02	389827	TMEM8C	0.574204	0.665511	10.3852	10.2958	1.06393
5	hcs099e02	389827	TMEM8C	0.891006	0.155064	10.0112	9.99041	1.01449
5	hcs099e04	8717	TRADD	0.00942301	10.2286	10.3477	10.2922	1.03916
1	hcs099e05	51308	REEP2	0.0649952	-3.72861	10.4837	10.2213	1.19948
3	hcs099e05	51308	REEP2	0.707534	-0.432521	10.3649	10.4511	-1.06153
5	hcs099e05	51308	REEP2	0.457285	0.9138	10.1016	9.96532	1.09904
7	hcs099e05	51308	REEP2	0.92831	-0.101646	9.79602	9.80602	-1.00696
1	hcs099e08	8655	DYNLL1	0.342744	-1.2333	10.8675	10.6147	1.19154
3	hcs099e08	8655	DYNLL1	0.225944	1.72903	10.8146	10.5492	1.20194
5	hcs099e08	8655	DYNLL1	0.248892	1.609	11.0656	10.6896	1.29774
7	hcs099e08	8655	DYNLL1	0.162615	2.1665	10.5878	10.3557	1.17457
1	hcs099e11	439	ASNA1	0.056602	-4.02266	9.86139	9.55233	1.2389
3	hcs099e11	439	ASNA1	0.670753	-0.49312	9.8362	9.8923	-1.03965
5	hcs099e11	439	ASNA1	0.218922	1.76898	9.77471	9.47711	1.22909
7	hcs099e11	439	ASNA1	0.710297	-0.428058	9.37491	9.44347	-1.04867
1	hcs099e12	124220	ZG16B	0.853384	-0.209612	9.66642	9.60616	1.04265
1	hcs099f02			0.8356	-0.235703	9.12392	9.07095	1.0374
3	hcs099f02			0.222187	1.7502	9.9149	9.59138	1.25138
5	hcs099f02			0.606845	-0.604701	9.12231	9.37391	-1.19053
1	hcs099f03	9328	GTF3C5	0.866841	0.190007	9.73346	9.7684	0.97607
3	hcs099f03	9328	GTF3C5	0.887416	0.160236	9.8711	9.85606	1.01048
5	hcs099f03	9328	GTF3C5	0.0375842	-5.01164	9.79889	9.96347	-1.12084
7	hcs099f03	9328	GTF3C5	0.425965	0.991424	9.84083	9.60607	1.17672
1	hcs099f04	29101	SSU72	0.924562	-0.10699	10.3474	10.3346	1.00892
3	hcs099f04	29101	SSU72	0.666096	0.500963	10.8045	10.7381	1.0471
5	hcs099f04	29101	SSU72	0.015132	8.03672	10.5028	10.235	1.20392
7	hcs099f04	29101	SSU72	0.537314	-0.738093	10.2556	10.3244	-1.04879
3	hcs099f05	6845	VAMP7	0.966256	0.047749	9.9789	9.97295	1.00414
5	hcs099f05	6845	VAMP7	0.293482	1.41186	10.1995	10.1405	1.04172

7	hcs099f05	6845	VAMP7	0.802562	-0.284826	9.7542	9.79479	-1.02854
3	hcs099f06	3315	HSPB1	0.833616	-0.238629	9.71784	9.7778	-1.04244
5	hcs099f06	3315	HSPB1	0.427703	-0.986958	10.2344	10.4474	-1.15911
5	hcs099f09	?	?	0.448481	0.935029	9.83843	9.73886	1.07145
1	hcs099g02	?	?	0.254226	-1.58314	10.0322	9.82455	1.15481
3	hcs099g02	?	?	0.289717	1.42701	10.4699	10.3011	1.12415
5	hcs099g02	?	?	0.657109	-0.516217	10.1084	10.2562	-1.10789
1	hcs099g03	328	APEX1	0.217547	-1.777	10.8702	10.6757	1.14432
3	hcs099g03	328	APEX1	0.116946	2.6612	11.3943	11.062	1.25899
5	hcs099g03	328	APEX1	0.978457	0.030473	10.9234	10.9113	1.00845
7	hcs099g03	328	APEX1	0.553739	0.705226	10.1883	10.066	1.08854
1	hcs099g04	27095	TRAPPC3	0.41495	1.02021	9.88772	9.9634	0.948892
3	hcs099g04	27095	TRAPPC3	0.958748	-0.0583894	10.4186	10.4259	-1.00509
5	hcs099g04	27095	TRAPPC3	0.966551	0.04733	9.90469	9.89474	1.00692
7	hcs099g04	27095	TRAPPC3	0.0359498	-5.13086	9.76718	10.0437	-1.21129
1	hcs099g06	79751	SLC25A22	0.142336	-2.3588	9.73841	9.54094	1.14668
3	hcs099g06	79751	SLC25A22	0.585918	-0.643348	9.76036	9.91914	-1.11634
5	hcs099g06	79751	SLC25A22	0.591876	-0.632225	9.87988	9.90024	-1.01422
1	hcs099g08	22844	FRMPD1	0.158001	-2.20725	9.78294	9.36458	1.33641
3	hcs099g08	22844	FRMPD1	0.721354	-0.410315	9.92938	9.9692	-1.02799
5	hcs099g08	22844	FRMPD1	0.866571	-0.1904	9.68958	9.71572	-1.01828
1	hcs099g09	80228	ORAI2	0.252221	-1.59278	10.4718	10.2591	1.15883
3	hcs099g09	80228	ORAI2	0.570631	0.672351	10.9614	10.66	1.23239
5	hcs099g09	80228	ORAI2	0.0236816	6.38223	10.7044	10.1904	1.428
7	hcs099g09	80228	ORAI2	0.394741	1.0753	10.3059	10.1182	1.139
5	hcs099h03	?	?	0.683912	-0.471172	10.0392	10.2058	-1.1224
1	hcs099h04	64067	NPAS3	0.88226	0.167676	9.70539	9.75447	0.966553
3	hcs099h04	64067	NPAS3	0.483179	0.853756	10.3516	10.0445	1.23721
5	hcs099h04	64067	NPAS3	0.0345218	5.24176	10.4824	9.76415	1.64522
7	hcs099h04	64067	NPAS3	0.168433	2.11732	10.0675	9.32161	1.67704
1	hcs099h05	148479	PHF13	0.0521601	-4.20537	10.5229	10.2636	1.19687
3	hcs099h05	148479	PHF13	0.994758	-0.0074132	10.5448	10.5468	-1.00142
5	hcs099h05	148479	PHF13	0.217716	-1.77601	9.11136	9.6603	-1.46301
1	hcs099h09	483	ATP1B3	0.0780434	-3.36655	10.2006	9.60878	1.50715
3	hcs099h09	483	ATP1B3	0.801552	0.286343	10.0854	9.95628	1.09363
5	hcs099h09	483	ATP1B3	0.0083222	10.8932	10.3039	9.60472	1.62362
7	hcs099h09	483	ATP1B3	0.129527	2.50101	9.92655	9.46068	1.38115
3	hcs099h10	65009	NDRG4	0.464229	0.897357	9.6415	9.48921	1.11133
5	hcs099h10	65009	NDRG4	0.449634	0.932223	9.25436	8.93478	1.24797
1	hcs100a03			0.159393	2.19479	10.3358	10.5382	0.869123
3	hcs100a03			0.349482	1.2113	10.616	10.5269	1.06371
5	hcs100a03			0.0650809	-3.7259	10.5028	10.6067	-1.07465
7	hcs100a03			0.827628	-0.247475	10.0094	10.0742	-1.04594
5	hcs100a04			0.33517	1.25866	10.3672	10.1795	1.13895
1	hcs100a06	55629	PNRC2	0.917623	-0.116897	9.98706	9.95912	1.01956
5	hcs100a08	8605	PLA2G4C	0.780539	-0.318121	9.49066	9.52311	-1.02275
1	hcs100b10			0.0781898	3.363	9.26123	9.61033	0.785075

5	hcs100b10			0.586367	0.642505	9.36499	9.25136	1.08195
3	hcs100c03	10000	AKT3	0.900933	-0.140795	10.129	10.1733	-1.03122
5	hcs100c03	10000	AKT3	0.9142	-0.121789	10.1646	10.2003	-1.02501
3	hcs100c04	78994	PRR14	0.451302	0.928177	10.3557	10.2077	1.10805
1	hcs100c07			0.666226	0.500744	9.49223	9.56762	0.949083
3	hcs100d05	6631	SNRPC	0.917682	-0.116812	9.75956	9.78114	-1.01507
5	hcs100d05	6631	SNRPC	0.31868	-1.31633	9.2053	9.56377	-1.28207
7	hcs100d05	6631	SNRPC	0.0208076	-6.82382	9.51771	9.66289	-1.10587
1	hcs100d06	5036	PA2G4	0.126061	-2.54289	10.747	10.246	1.41523
3	hcs100d06	5036	PA2G4	0.586828	-0.641642	10.632	10.7906	-1.1162
5	hcs100d06	5036	PA2G4	0.774862	-0.326783	10.3766	10.4265	-1.03518
7	hcs100d06	5036	PA2G4	0.218107	-1.77373	9.91476	10.1783	-1.20039
1	hcs100d08	5441	POLR2L	0.0587887	-3.94021	10.5732	10.0139	1.47351
5	hcs100d08	5441	POLR2L	0.295229	1.40492	10.3564	10.071	1.21875
7	hcs100d08	5441	POLR2L	0.240236	1.65252	10.0326	9.83926	1.14345
5	hcs100d12	5780	PTPN9	0.371921	1.14148	9.01652	8.92275	1.06715
1	hcs100e03	5371	PML	0.910313	-0.127349	10.028	10.0094	1.01294
3	hcs100e03	5371	PML	0.47301	0.876929	10.4257	10.289	1.09941
5	hcs100e03	5371	PML	0.546431	0.719736	9.99182	9.8938	1.0703
1	hcs100e06	11331	PHB2	0.258644	1.56224	10.6094	10.6971	0.941022
3	hcs100e06	11331	PHB2	0.745673	0.371901	10.7986	10.7697	1.02019
5	hcs100e06	11331	PHB2	0.285542	1.44409	10.5994	10.4796	1.08653
7	hcs100e06	11331	PHB2	0.975218	-0.0350578	10.078	10.0828	-1.00336
1	hcs100e07			0.124627	2.5607	10.2167	10.4504	0.850465
3	hcs100e07			0.572594	-0.668588	10.7349	10.8505	-1.08339
5	hcs100e07			0.50266	0.810721	10.3204	10.2725	1.03379
7	hcs100e07			0.918498	-0.115646	10.0042	10.0253	-1.01474
1	hcs100e09	5090	PBX3	0.95423	-0.0647969	9.94188	9.90887	1.02314
5	hcs100e09	5090	PBX3	0.399735	1.06139	10.3694	10.281	1.0632
5	hcs100e11			0.764084	-0.343326	9.35375	9.384	-1.02119
1	hcs100e12	5364	PLXNB1	0.929169	-0.100422	9.98095	9.96832	1.00879
3	hcs100e12	5364	PLXNB1	0.139901	-2.38444	9.93386	10.3062	-1.29443
5	hcs100e12	5364	PLXNB1	0.629088	-0.56484	9.90222	9.97769	-1.05371
7	hcs100e12	5364	PLXNB1	0.441359	-0.952531	9.80137	9.90346	-1.07332
1	hcs100f02	598	BCL2L1	0.72554	-0.403646	9.94119	9.86056	1.05748
3	hcs100f02	598	BCL2L1	0.605176	0.607741	10.0062	9.92571	1.05736
5	hcs100f02	598	BCL2L1	0.129223	2.50462	10.504	10.1424	1.28481
1	hcs100f03	4496	MT1H	0.666818	0.499745	11.3154	11.3906	0.94921
3	hcs100f03	4496	MT1H	0.0709991	-3.55008	10.6205	11.262	-1.55995
5	hcs100f03	4496	MT1H	0.00729451	-11.6443	10.6955	11.5071	-1.75516
7	hcs100f03	4496	MT1H	0.0214489	-6.71772	9.73982	11.1659	-2.68709
3	hcs100f04	55863	TMEM126E	0.210881	1.81685	9.99511	9.97959	1.01082
5	hcs100f04	55863	TMEM126E	0.525274	-0.762799	9.96748	10.1949	-1.17073
3	hcs100f05	51239	ANKRD39	0.918926	-0.115035	9.86145	9.89235	-1.02165
5	hcs100f05	51239	ANKRD39	0.152515	-2.25788	9.71514	10.0495	-1.26084
5	hcs100g02	6120	RPE	0.610371	0.598301	10.4189	10.2114	1.15467
1	hcs100g04	5382	PMS2P4	0.225011	-1.73425	10.2526	10.0209	1.17421



3	hcs100g04	5382	PMS2P4	0.956857	0.061071	10.1791	10.1658	1.00929
5	hcs100g04	5382	PMS2P4	0.253686	-1.58572	9.32293	9.63964	-1.24548
3	hcs100g05			0.847903	-0.21763	10.2974	10.3244	-1.01885
5	hcs100g05			0.672918	-0.489487	10.0347	10.0693	-1.02428
1	hcs100g06	23476	BRD4	0.514589	0.785184	9.03936	9.31801	0.824364
3	hcs100g06	23476	BRD4	0.594064	-0.628165	10.1903	10.3868	-1.14589
5	hcs100g06	23476	BRD4	0.944358	-0.0788117	10.1633	10.1887	-1.01776
1	hcs100g07	79081	C11orf48	0.37602	-1.12925	10.14	9.94494	1.14477
3	hcs100g07	79081	C11orf48	0.772801	0.329936	10.2093	10.146	1.04487
5	hcs100g07	79081	C11orf48	0.602831	0.612023	10.2951	10.197	1.07034
1	hcs100g10	8665	EIF3F	0.188724	1.96235	10.673	10.9548	0.822564
5	hcs100g10	8665	EIF3F	0.48598	-0.847463	10.9044	11.0872	-1.13508
7	hcs100g10	8665	EIF3F	0.481855	-0.856745	10.6245	10.7889	-1.12067
5	hcs100g12	23659	PLA2G15	0.519535	-0.774766	9.05214	9.13727	-1.06078
3	hcs100h02	83940	TATDN1	0.227103	1.7226	9.71132	9.46904	1.18286
5	hcs100h02	83940	TATDN1	0.0740599	-3.46725	9.65538	9.95721	-1.23271
3	hcs100h04	28996	HIPK2	0.0803653	-3.31121	9.71042	9.95737	-1.18669
5	hcs100h04	28996	HIPK2	0.980904	0.0270105	9.89336	9.8909	1.00171
1	hcs100h05	55269	PSPC1	0.587421	0.640532	11.7925	11.9074	0.923446
3	hcs100h05	55269	PSPC1	0.751866	-0.362243	11.7881	11.8017	-1.00947
5	hcs100h05	55269	PSPC1	0.0831938	3.24682	12.0832	11.7646	1.24706
7	hcs100h05	55269	PSPC1	0.0334825	5.3268	11.5013	11.3421	1.11664
1	hcs100h06	54059	YBEY	0.30608	-1.36289	9.81792	9.44062	1.29891
3	hcs100h06	54059	YBEY	0.332017	-1.26942	9.81434	9.99656	-1.13463
5	hcs100h06	54059	YBEY	0.355629	1.19166	10.1453	9.90352	1.18245
1	hcs100h07	57827	C6orf47	0.268408	1.51762	11.9117	12.1511	0.847097
3	hcs100h07	57827	C6orf47	0.45558	0.917875	12.1408	12.0547	1.06145
5	hcs100h07	57827	C6orf47	0.112144	2.72888	12.1831	11.8729	1.23988
7	hcs100h07	57827	C6orf47	0.0148729	8.10802	12.0646	11.567	1.41186
1	hcs100h09	30011	SH3KBP1	0.424691	-0.99471	9.80996	9.67661	1.09683
3	hcs100h09	30011	SH3KBP1	0.823334	0.253836	9.82466	9.76387	1.04304
5	hcs100h09	30011	SH3KBP1	0.0417721	4.73815	9.88824	9.50553	1.30379
1	hcs100h12	29937	NENF	0.297334	1.39662	12.5407	12.8439	0.810472
3	hcs100h12	29937	NENF	0.221502	1.75411	12.3183	12.2488	1.04933
5	hcs100h12	29937	NENF	0.237973	1.66424	12.8309	12.6567	1.12829
7	hcs100h12	29937	NENF	0.430749	0.979176	12.5198	12.4717	1.0339
1	hcs101a04	51021	MRPS16	0.367116	-1.156	9.62174	9.51812	1.07447
3	hcs101a04	51021	MRPS16	0.729208	0.397821	9.88584	9.78757	1.07049
5	hcs101a04	51021	MRPS16	0.89734	-0.145955	9.87628	9.88754	-1.00783
1	hcs101a06	4171	MCM2	0.165623	-2.14079	9.9452	9.10795	1.78664
3	hcs101a06	4171	MCM2	0.965499	-0.0488216	9.50769	9.52194	-1.00993
5	hcs101a06	4171	MCM2	0.677207	-0.482316	9.2904	9.32956	-1.02751
1	hcs101a10	51025	PAM16	0.193163	-1.93143	9.59044	9.28796	1.23326
5	hcs101a10	51025	PAM16	0.387628	-1.09544	9.76076	9.92877	-1.12351
5	hcs101b08	?	?	0.368821	-1.15082	9.70294	10.0255	-1.25057
1	hcs101b09	84065	TMEM222	0.608766	-0.601211	9.50386	9.31358	1.14099
3	hcs101b09	84065	TMEM222	0.975037	0.0353138	9.92521	9.91572	1.0066

5	hcs101b09	84065	TMEM222	0.897199	-0.146157	9.51505	9.54208	-1.01891
1	hcs101c01	25880	TMEM186	0.462073	-0.902434	10.586	10.5599	1.01826
3	hcs101c01	25880	TMEM186	0.328432	-1.2818	10.9432	11.0364	-1.06678
5	hcs101c01	25880	TMEM186	0.995002	0.0070680	10.6609	10.6606	1.00021
7	hcs101c01	25880	TMEM186	0.135445	2.43297	10.8229	10.7516	1.05066
1	hcs101c07	1351	COX8A	0.507101	0.801143	9.7665	9.86293	0.935343
3	hcs101c07	1351	COX8A	0.797741	0.292075	10.4773	10.4038	1.05228
7	hcs101c07	1351	COX8A	0.743073	-0.375971	9.82474	9.87762	-1.03733
3	hcs101d01	84274	COQ5	0.584038	0.646877	9.79831	9.69218	1.07633
5	hcs101d01	84274	COQ5	0.319544	-1.31321	10.0427	10.3524	-1.23947
1	hcs101d03	388796	LOC388796	0.716495	0.418091	9.92026	9.97262	0.964356
3	hcs101d03	388796	LOC388796	0.277429	-1.47819	9.83516	9.95711	-1.0882
5	hcs101d03	388796	LOC388796	0.0830907	-3.24911	10.1308	10.4573	-1.25389
1	hcs101d04	9167	COX7A2L	0.700733	0.443556	10.0615	10.1119	0.965693
3	hcs101d04	9167	COX7A2L	0.719927	-0.412596	10.5224	10.5837	-1.04341
5	hcs101d04	9167	COX7A2L	0.755202	0.357061	10.3423	10.3182	1.01685
7	hcs101d04	9167	COX7A2L	0.952264	-0.0675866	9.85964	9.8746	-1.01043
1	hcs101d05	51668	HSPB11	0.471218	-0.881064	9.94952	9.72797	1.16598
3	hcs101d05	51668	HSPB11	0.722963	-0.407749	10.1655	10.2766	-1.08009
5	hcs101d05	51668	HSPB11	0.923874	0.107972	10.1145	10.1043	1.00712
1	hcs101d06	51100	SH3GLB1	0.447572	0.937245	11.0596	11.227	0.890446
3	hcs101d06	51100	SH3GLB1	0.831339	-0.241989	11.3806	11.4025	-1.01527
5	hcs101d06	51100	SH3GLB1	0.128343	2.51514	11.0746	10.8327	1.18255
7	hcs101d06	51100	SH3GLB1	0.167639	2.1239	10.8934	10.7699	1.08937
1	hcs101d07	2237	FEN1	0.0781937	3.3629	11.5369	11.7559	0.859161
3	hcs101d07	2237	FEN1	0.0697958	-3.58407	11.4914	11.5435	-1.0368
5	hcs101d07	2237	FEN1	0.42165	1.0026	11.5974	11.5233	1.05275
7	hcs101d07	2237	FEN1	0.222128	1.75053	11.1704	11.0967	1.05244
1	hcs101d10	4548	MTR	0.843195	0.224533	12.2584	12.3027	0.969783
3	hcs101d10	4548	MTR	0.322879	-1.3013	11.7306	11.9144	-1.13585
5	hcs101d10	4548	MTR	0.113629	-2.70752	12.2405	12.5354	-1.22677
7	hcs101d10	4548	MTR	0.28906	-1.42967	11.9754	12.3487	-1.29528
1	hcs101d11	144402	CPNE8	0.774248	0.327721	10.2345	10.294	0.959575
5	hcs101d11	144402	CPNE8	0.866657	0.190274	10.2389	10.2113	1.01929
7	hcs101d11	144402	CPNE8	0.743507	-0.375291	9.90626	10.0353	-1.09358
1	hcs101e01	7468	WHSC1	0.725805	-0.403224	9.90365	9.83779	1.04671
3	hcs101e01	7468	WHSC1	0.851762	0.211982	9.71692	9.67132	1.03211
5	hcs101e01	7468	WHSC1	0.101088	2.90155	10.1092	9.82154	1.22069
7	hcs101e01	7468	WHSC1	0.142011	2.36218	9.92959	9.72948	1.14879
3	hcs101e03	340591	CA5BP	0.30846	-1.35392	9.76287	9.8663	-1.07433
1	hcs101e05	10330	CNPY2	0.196795	-1.90683	10.0219	9.73267	1.22198
3	hcs101e05	10330	CNPY2	0.921172	-0.111827	9.9477	9.98039	-1.02292
5	hcs101e05	10330	CNPY2	0.200092	1.88502	9.84975	9.55072	1.23031
7	hcs101e05	10330	CNPY2	0.457545	0.913178	9.47962	9.42216	1.04063
1	hcs101e06	9254	CACNA2D2	0.402751	1.05309	9.52695	9.67426	0.902935
5	hcs101e06	9254	CACNA2D2	0.0363953	5.09758	9.90363	9.52354	1.30142
1	hcs101f04	51304	ZDHHC3	0.66255	-0.506964	9.61717	9.54448	1.05167

5	hcs101f04	51304	ZDHHC3	0.071143	3.54607	9.97742	9.7191	1.19608
3	hcs101f07	11124	FAF1	0.399461	-1.06215	9.86441	10.134	-1.20548
5	hcs101f08	84727	SPSB2	0.899163	-0.143335	9.81055	9.83158	-1.01468
1	hcs101f10	1665	DHX15	0.908855	-0.129437	10.474	10.4635	1.00728
3	hcs101f10	1665	DHX15	0.181978	-2.01127	10.4991	10.7645	-1.20195
5	hcs101f10	1665	DHX15	0.838278	-0.231761	10.4464	10.4607	-1.01002
7	hcs101f10	1665	DHX15	0.389061	1.09135	10.1952	10.0766	1.08568
5	hcs101f12	7324	UBE2E1	0.913039	-0.12345	9.37585	9.40781	-1.0224
5	hcs101g03	10491	CRTAP	0.499485	0.817617	9.99869	9.82199	1.1303
1	hcs101g05	51013	EXOSC1	0.707798	-0.432094	10.1193	10.0864	1.02307
3	hcs101g05	51013	EXOSC1	0.718159	0.415424	10.1145	9.96318	1.11056
5	hcs101g05	51013	EXOSC1	0.0573022	3.99576	10.2792	9.85296	1.3437
7	hcs101g05	51013	EXOSC1	0.234079	1.68474	9.97573	9.74312	1.17496
5	hcs101g06			0.603975	0.609932	9.6838	9.60795	1.05398
3	hcs101g09	8575	PRKRA	0.980962	0.0269292	9.79519	9.79178	1.00237
5	hcs101g09	8575	PRKRA	0.600368	0.616537	9.65081	9.53411	1.08425
1	hcs101g10	79001	VKORC1	0.103857	2.85588	10.3798	11.2085	0.563023
3	hcs101g10	79001	VKORC1	0.283262	-1.45355	10.6254	11.0515	-1.3436
5	hcs101g10	79001	VKORC1	0.590357	-0.635051	11.1419	11.2723	-1.09465
7	hcs101g10	79001	VKORC1	0.0959493	-2.99121	10.5069	10.9974	-1.40494
1	hcs101g12	4495	MT1G	0.477016	0.867738	11.3886	11.651	0.833681
3	hcs101g12	4495	MT1G	0.0646048	-3.74105	10.8182	11.6796	-1.81676
5	hcs101g12	4495	MT1G	0.0186731	-7.21511	10.6523	11.9235	-2.41357
7	hcs101g12	4495	MT1G	0.0139021	-8.39255	9.88449	11.588	-3.257
3	hcs101h01	6993	DYNLT1	0.0969064	-2.974	10.0186	10.5088	-1.40468
5	hcs101h01	6993	DYNLT1	0.352443	-1.20179	10.0995	10.3741	-1.20961
5	hcs101h02	?	?	0.304792	-1.36778	10.6284	10.9698	-1.26697
3	hcs101h03	5516	PPP2CB	0.214377	1.79575	10.7809	10.5482	1.17509
5	hcs101h03	5516	PPP2CB	0.0230723	6.46899	10.4975	10.2473	1.18938
7	hcs101h03	5516	PPP2CB	0.743984	0.374543	9.81781	9.73846	1.05654
1	hcs101h05	6150	MRPL23	0.785047	-0.311265	9.69783	9.64898	1.03444
1	hcs101h07	4076	CAPRIN1	0.820387	-0.25821	10.2687	10.152	1.08422
3	hcs101h07	4076	CAPRIN1	0.0944524	3.01863	10.4104	10.2281	1.13468
5	hcs101h07	4076	CAPRIN1	0.869999	-0.185422	10.0552	10.1171	-1.04386
5	hcs101h08	54994	C20orf11	0.543118	0.726372	10.1546	9.96859	1.13759
5	hcs101h09	65005	MRPL9	0.99518	0.0068163	9.60718	9.60639	1.00055
5	hcs102a04	9127	P2RX6	0.56048	-0.691997	9.89921	10.2589	-1.28316
1	hcs102a09	10127	ZNF263	0.506142	0.803205	11.1848	11.339	0.898651
3	hcs102a09	10127	ZNF263	0.0392509	4.89767	11.3601	11.2129	1.10739
5	hcs102a09	10127	ZNF263	0.0924811	3.05569	11.2379	10.9198	1.24675
7	hcs102a09	10127	ZNF263	0.173601	2.07554	11.0274	10.921	1.07649
1	hcs102a12	284654	RSPO1	0.414082	1.02251	11.7637	11.8581	0.93664
3	hcs102a12	284654	RSPO1	0.919861	0.1137	11.7275	11.7201	1.00512
5	hcs102a12	284654	RSPO1	0.0121022	9.00736	11.8075	11.5086	1.23023
7	hcs102a12	284654	RSPO1	0.219894	1.76335	11.5141	11.4047	1.07878
5	hcs102b04	8078	USP5	0.42463	-0.994867	11.1267	11.2658	-1.10118
1	hcs102b07	84246	MED10	0.37205	1.14109	10.0123	10.1498	0.909104

3	hcs102b07	84246	MED10	0.630703	0.561991	10.2955	10.2019	1.067
5	hcs102b07	84246	MED10	0.399579	1.06182	10.3024	10.1265	1.12963
1	hcs102b11	2531	KDSR	0.0723404	-3.51316	9.92357	9.57054	1.27724
3	hcs102b11	2531	KDSR	0.661205	0.509245	9.85376	9.73883	1.08292
5	hcs102b11	2531	KDSR	0.0218428	6.65486	9.54407	9.33833	1.15328
5	hcs102c07	79007	DBNDD1	0.335044	1.25909	9.53647	9.29804	1.17971
1	hcs102c09	8337	HIST2H2AA	0.279206	-1.47061	11.9894	10.8121	2.26158
3	hcs102c09	8337	HIST2H2AA	0.725509	-0.403695	10.827	10.9816	-1.11307
5	hcs102c09	8337	HIST2H2AA	0.461773	-0.903141	10.3315	10.8052	-1.38868
7	hcs102c09	8337	HIST2H2AA	0.229043	-1.71191	9.84748	10.7614	-1.88416
1	hcs102c10	?	?	0.277298	1.47875	11.5599	11.7078	0.902542
3	hcs102c10	?	?	0.516969	0.780158	11.6581	11.5835	1.05309
5	hcs102c10	?	?	0.71771	0.416142	11.5839	11.5312	1.03723
7	hcs102c10	?	?	0.228908	1.71266	11.3315	11.246	1.06108
1	hcs102c11	?	?	0.903388	0.137272	9.63385	9.6441	0.992918
5	hcs102c11	?	?	0.422461	1.00049	9.70342	9.5911	1.08097
5	hcs102d03	122553	TRAPPC6B	0.606726	-0.604917	10.7048	10.9197	-1.16057
1	hcs102d07	91689	C22orf32	0.131108	2.48241	10.0519	10.2961	0.844265
3	hcs102d07	91689	C22orf32	0.575182	-0.663644	10.302	10.3608	-1.04156
5	hcs102d07	91689	C22orf32	0.135853	2.42845	10.2478	9.99069	1.19511
1	hcs102d09	?	?	0.465901	-0.893435	9.99619	9.84317	1.1119
5	hcs102d09	?	?	0.86883	-0.187119	9.73042	9.74129	-1.00756
1	hcs102d12	22936	ELL2	0.273112	1.49686	9.73205	10.2178	0.714139
3	hcs102d12	22936	ELL2	0.21772	-1.77599	9.64537	10.1583	-1.42694
5	hcs102d12	22936	ELL2	0.201386	-1.87658	9.88101	10.1154	-1.17639
5	hcs102e02	?	?	0.0654253	-3.71504	9.85552	10.3662	-1.42474
1	hcs102e05	4795	NFKBIL1	0.704616	-0.437247	11.3757	11.2846	1.06516
3	hcs102e05	4795	NFKBIL1	0.198339	1.89655	11.3369	11.0727	1.20097
5	hcs102e05	4795	NFKBIL1	0.0029449	18.3867	11.5889	11.0257	1.47761
7	hcs102e05	4795	NFKBIL1	0.0347642	5.22246	11.1113	10.8538	1.19546
5	hcs102e06	11177	BAZ1A	0.659167	0.512709	10.1194	10.0732	1.03251
1	hcs102e08	?	?	0.810859	0.272403	11.2724	11.349	0.948312
3	hcs102e08	?	?	0.525585	-0.762153	11.1048	11.2536	-1.10862
5	hcs102e08	?	?	0.839639	0.229758	11.1807	11.1487	1.02238
7	hcs102e08	?	?	0.338726	-1.24667	10.8166	10.9423	-1.09109
1	hcs102e09	29099	COMMD9	0.191297	1.94432	11.4333	11.789	0.781508
3	hcs102e09	29099	COMMD9	0.800302	0.288221	11.504	11.491	1.00903
5	hcs102e09	29099	COMMD9	0.355457	1.1922	11.6418	11.4472	1.14441
7	hcs102e09	29099	COMMD9	0.103894	2.85528	11.5074	11.2213	1.21937
1	hcs102e10	64969	MRPS5	0.129988	2.49555	9.7618	9.89755	0.910194
3	hcs102e10	64969	MRPS5	0.895649	-0.148384	9.8575	9.91576	-1.04121
5	hcs102e10	64969	MRPS5	0.481684	0.857131	10.0049	9.87831	1.09174
7	hcs102e10	64969	MRPS5	0.232913	1.69096	9.91282	9.59174	1.24927
1	hcs102e12	11231	SEC63	0.366813	1.15693	10.5763	10.9287	0.783298
3	hcs102e12	11231	SEC63	0.500435	0.81555	10.8268	10.6897	1.09972
5	hcs102e12	11231	SEC63	0.103162	2.86717	10.9736	10.7006	1.20829
7	hcs102e12	11231	SEC63	0.572006	0.669713	10.6863	10.6025	1.05983

1	hcs102f03	10492	SYNCRIP	0.333834	1.2632	10.2207	10.7762	0.680434
5	hcs102f03	10492	SYNCRIP	0.128874	-2.50877	10.8426	11.1593	-1.24544
7	hcs102f03	10492	SYNCRIP	0.0970386	-2.97165	10.4637	10.9512	-1.40196
1	hcs102f04	7090	TLE3	0.333879	-1.26305	11.067	10.2723	1.73472
5	hcs102f04	7090	TLE3	0.604961	-0.608132	10.9132	11.0831	-1.12501
7	hcs102f04	7090	TLE3	0.0280094	-5.84888	10.2424	10.7186	-1.39104
1	hcs102f05	3189	HNRNPH3	0.965751	0.0484641	9.72538	9.7301	0.996731
3	hcs102f05	3189	HNRNPH3	0.646443	0.534529	10.824	10.7682	1.03941
5	hcs102f05	3189	HNRNPH3	0.742391	-0.37704	9.79285	9.90036	-1.07736
1	hcs102f07	11078	TRIOBP	0.455431	0.918232	11.3491	11.836	0.71354
3	hcs102f07	11078	TRIOBP	0.379741	1.11828	11.9756	11.7375	1.17941
5	hcs102f07	11078	TRIOBP	0.320328	1.3104	11.8903	11.2023	1.61109
7	hcs102f07	11078	TRIOBP	0.0271785	5.94144	11.6534	11.186	1.38268
1	hcs102f08	100101467	ZSCAN30	0.441046	-0.953306	9.54811	9.31246	1.17744
3	hcs102f08	100101467	ZSCAN30	0.428937	-0.983798	10.0761	10.1928	-1.08424
5	hcs102f08	100101467	ZSCAN30	0.31185	1.34128	10.3071	9.96663	1.2662
1	hcs102f11	7818	DAP3	0.631013	-0.561445	9.77406	9.61384	1.11746
5	hcs102f11	7818	DAP3	0.251749	1.59506	9.85996	9.69809	1.11874
3	hcs102f12	6741	SSB	0.871782	0.182837	9.87348	9.84756	1.01813
5	hcs102f12	6741	SSB	0.770486	0.333484	9.61161	9.54614	1.04643
1	hcs102g05	81890	QTRT1	0.15039	2.27816	11.0187	11.7383	0.60728
3	hcs102g05	81890	QTRT1	0.929107	-0.10051	11.6071	11.6239	-1.01171
5	hcs102g05	81890	QTRT1	0.156452	2.2213	11.948	11.6244	1.25148
7	hcs102g05	81890	QTRT1	0.640096	0.545538	11.451	11.2162	1.17677
1	hcs102g08	119559	SFXN4	0.478032	0.865421	10.5567	10.6637	0.928538
3	hcs102g08	119559	SFXN4	0.773537	-0.32881	10.7113	10.7622	-1.03591
5	hcs102g08	119559	SFXN4	0.386128	1.09975	10.6579	10.5741	1.05978
7	hcs102g08	119559	SFXN4	0.892768	-0.152529	10.2451	10.2652	-1.01408
1	hcs102g11	121260	SLC15A4	0.0248289	6.22751	9.44942	9.73622	0.819718
3	hcs102g11	121260	SLC15A4	0.610391	-0.598265	9.77192	9.92807	-1.11431
5	hcs102g11	121260	SLC15A4	0.0877208	3.15004	10.0103	9.57798	1.34939
7	hcs102g11	121260	SLC15A4	0.727865	0.399952	9.34301	9.21867	1.09001
1	hcs102h01	65990	FAM173A	0.326324	-1.28916	11.2393	11.1957	1.03068
3	hcs102h01	65990	FAM173A	0.91346	-0.122847	11.4531	11.4673	-1.00987
5	hcs102h01	65990	FAM173A	0.225077	-1.73387	11.1432	11.3387	-1.14512
7	hcs102h01	65990	FAM173A	0.274322	1.49159	10.9559	10.834	1.08812
1	hcs102h02	84303	CHCHD6	0.80552	-0.28039	11.1868	11.1204	1.04712
3	hcs102h02	84303	CHCHD6	0.303143	1.37408	11.5598	11.3431	1.16202
5	hcs102h02	84303	CHCHD6	0.0774143	-3.38196	11.0446	11.4211	-1.29819
7	hcs102h02	84303	CHCHD6	0.0314905	-5.50124	10.5227	11.2451	-1.64994
5	hcs103a01			0.685688	-0.468234	9.85928	9.96965	-1.0795
1	hcs103a04	60528	ELAC2	0.256497	-1.57233	10.0038	9.71089	1.22511
3	hcs103a04	60528	ELAC2	0.861256	0.198131	10.4288	10.4126	1.01129
5	hcs103a04	60528	ELAC2	0.494325	0.828923	10.7102	10.5981	1.08076
1	hcs103a06	6844	VAMP2	0.952633	0.0670619	9.7767	9.79405	0.988046
5	hcs103a06	6844	VAMP2	0.711548	-0.426041	9.46777	9.62109	-1.11213
1	hcs103a07	5080	PAX6	0.580141	0.654229	9.68819	9.72151	0.977171

5	hcs103a07	5080	PAX6	0.172718	2.08256	10.4128	10.2854	1.09231
1	hcs103a08	7280	TUBB2A	0.407405	1.04042	10.9173	11.0087	0.93859
3	hcs103a08	7280	TUBB2A	0.405707	1.04502	11.4271	11.3866	1.02847
5	hcs103a08	7280	TUBB2A	0.0702517	3.5711	11.1348	10.9631	1.12644
7	hcs103a08	7280	TUBB2A	0.565252	0.682721	10.7557	10.6426	1.08155
1	hcs103a09	?	?	0.300391	1.38469	10.5353	10.6576	0.918722
3	hcs103a09	?	?	0.687991	-0.464432	10.6974	10.8112	-1.08212
5	hcs103a09	?	?	0.808552	-0.27585	10.635	10.657	-1.01537
7	hcs103a09	?	?	0.511111	0.792571	10.5321	10.436	1.06888
1	hcs103a10	1106	CHD2	0.457655	0.912915	11.7189	11.7911	0.951165
3	hcs103a10	1106	CHD2	0.351279	1.20552	11.8513	11.7764	1.05324
5	hcs103a10	1106	CHD2	0.470712	0.882235	11.8512	11.7981	1.03754
7	hcs103a10	1106	CHD2	0.0495338	4.32446	11.5613	11.3643	1.14631
1	hcs103a11	64785	GINS3	0.667919	0.497888	9.70956	9.7425	0.977426
5	hcs103a11	64785	GINS3	0.839471	-0.230005	9.78334	9.82098	-1.02644
1	hcs103a12	9924	PAN2	0.423964	0.996592	11.837	12.0125	0.885481
3	hcs103a12	9924	PAN2	0.564933	0.68334	11.7508	11.6341	1.08425
5	hcs103a12	9924	PAN2	0.146317	2.31818	11.898	11.6887	1.15618
7	hcs103a12	9924	PAN2	0.0908409	3.0874	11.549	11.2644	1.2181
1	hcs103b01	?	?	0.708862	0.430375	10.9373	11.024	0.941696
3	hcs103b01	?	?	0.192604	-1.93528	11.2287	11.4519	-1.16732
5	hcs103b01	?	?	0.209801	-1.82346	11.0834	11.13	-1.0328
7	hcs103b01	?	?	0.443887	0.946284	10.9339	10.8506	1.05946
3	hcs103b02	55662	HIF1AN	0.708936	-0.430255	9.46337	9.52609	-1.04444
5	hcs103b02	55662	HIF1AN	0.531819	-0.749301	9.43016	9.49002	-1.04236
3	hcs103b03	5537	PPP6C	0.815927	-0.264843	10.241	10.3029	-1.04383
5	hcs103b03	5537	PPP6C	0.0246877	6.24598	10.2477	9.78265	1.38037
3	hcs103b04	10492	SYNCRIP	0.894313	-0.150306	10.0043	10.0298	-1.01781
5	hcs103b04	10492	SYNCRIP	0.464287	0.89722	9.84918	9.76762	1.05816
5	hcs103b08	79774	GRTP1	0.962874	0.0525401	9.57072	9.56657	1.00288
5	hcs103b11	79792	GSDMD	0.618417	0.583814	9.23435	9.12922	1.07559
1	hcs103c01	6236	RRAD	0.590553	0.634685	11.7904	11.9744	0.880259
3	hcs103c01	6236	RRAD	0.607281	-0.603907	11.448	11.668	-1.16474
5	hcs103c01	6236	RRAD	0.412946	1.02553	12.1778	12.0593	1.08558
1	hcs103c02	334	APLP2	0.6175	0.585458	10.5693	10.7467	0.884295
3	hcs103c02	334	APLP2	0.0032622	17.4654	11.6114	11.2994	1.24148
5	hcs103c02	334	APLP2	0.156661	2.21939	11.5256	11.1062	1.33734
7	hcs103c02	334	APLP2	0.499072	0.818518	10.805	10.5507	1.19276
1	hcs103c06	402	ARL2	0.609992	-0.598987	10.7532	10.7397	1.0094
3	hcs103c06	402	ARL2	0.469086	0.886008	10.808	10.6606	1.10755
5	hcs103c06	402	ARL2	0.162603	2.16661	10.7671	10.4336	1.26004
7	hcs103c06	402	ARL2	0.14556	2.32578	10.5752	10.3253	1.18916
1	hcs103c08	3480	IGF1R	0.149138	2.2903	13.554	13.6179	0.956697
5	hcs103c08	3480	IGF1R	0.143407	2.34772	13.648	13.1549	1.4075
1	hcs103d01	6295	SAG	0.840543	-0.228429	9.7632	9.75115	1.00839
3	hcs103d01	6295	SAG	0.43692	-0.963593	9.97732	10.2531	-1.21062
5	hcs103d01	6295	SAG	0.984433	0.0220183	9.92181	9.9195	1.00161

7	hcs103d01	6295	SAG	0.507321	0.800671	9.59368	9.51418	1.05665
1	hcs103d02	2487	FRZB	0.109773	2.76382	10.1381	10.3301	0.875371
3	hcs103d02	2487	FRZB	0.559007	-0.694877	10.3496	10.4907	-1.10277
5	hcs103d02	2487	FRZB	0.978789	-0.0300037	10.3854	10.3888	-1.00238
7	hcs103d02	2487	FRZB	0.48738	0.844329	10.1263	10.0209	1.07585
1	hcs103d03	2752	GLUL	0.273513	1.49511	10.4129	10.6972	0.821159
3	hcs103d03	2752	GLUL	0.641699	-0.54275	10.5969	10.7547	-1.11553
5	hcs103d03	2752	GLUL	0.476201	0.869603	10.5601	10.4813	1.05614
7	hcs103d03	2752	GLUL	0.0334533	5.32925	10.4132	10.3355	1.05531
1	hcs103d04	?	?	0.374976	1.13235	9.7385	9.86499	0.916055
3	hcs103d04	?	?	0.453503	-0.922865	9.93392	10.1217	-1.139
5	hcs103d04	?	?	0.761365	-0.347521	9.70513	9.73553	-1.0213
7	hcs103d04	?	?	0.273137	1.49675	9.71293	9.61214	1.07236
1	hcs103d05	?	?	0.119739	2.62361	12.1295	12.4419	0.805301
3	hcs103d05	?	?	0.344875	1.22629	12.5129	12.4135	1.07135
5	hcs103d05	?	?	0.0699301	-3.58024	12.3595	12.5176	-1.11582
7	hcs103d05	?	?	0.229105	-1.71158	12.1213	12.3812	-1.19737
1	hcs103d06	?	?	0.67615	0.484081	12.0871	12.1537	0.954864
3	hcs103d06	?	?	0.12013	2.61845	12.2484	12.1138	1.09774
5	hcs103d06	?	?	0.384097	1.1056	12.4429	12.3277	1.08315
7	hcs103d06	?	?	0.977507	0.0318186	11.9213	11.9111	1.00707
1	hcs103d07	23020	SNRNP200	0.310207	1.34738	10.4202	10.4549	0.976257
3	hcs103d07	23020	SNRNP200	0.799177	0.289912	10.6167	10.5688	1.03378
5	hcs103d07	23020	SNRNP200	0.515666	0.782907	10.5177	10.3979	1.08653
7	hcs103d07	23020	SNRNP200	0.110235	2.75694	10.2886	10.0451	1.18381
1	hcs103d09	9094	UNC119	0.514153	0.786106	10.3235	10.4412	0.921677
3	hcs103d09	9094	UNC119	0.681543	-0.475101	10.3914	10.5364	-1.10568
5	hcs103d09	9094	UNC119	0.435692	0.966676	10.5455	10.3723	1.12758
7	hcs103d09	9094	UNC119	0.229979	1.7068	10.3058	10.1119	1.14385
3	hcs103d10	?	?	0.559352	0.694201	14.4172	14.2766	1.10236
5	hcs103d10	?	?	0.506132	0.803227	14.5586	14.3711	1.13884
7	hcs103d10	?	?	0.165239	2.14403	14.7994	14.273	1.44033
1	hcs103d11	1152	CKB	0.0794783	3.33208	9.86844	9.98075	0.925106
3	hcs103d11	1152	CKB	0.398909	-1.06368	9.77638	10.0185	-1.18275
5	hcs103d11	1152	CKB	0.846068	0.220319	9.95359	9.91536	1.02685
7	hcs103d11	1152	CKB	0.181767	2.01285	9.74738	9.71141	1.02525
1	hcs103d12	5730	PTGDS	0.784992	0.311348	9.71997	9.74511	0.982726
3	hcs103d12	5730	PTGDS	0.480008	-0.860928	9.59923	9.77378	-1.12861
5	hcs103d12	5730	PTGDS	0.849905	-0.214699	9.62105	9.65116	-1.02109
7	hcs103d12	5730	PTGDS	0.133964	2.44961	9.77448	9.6316	1.10411
1	hcs103e01	5250	SLC25A3	0.343489	-1.23084	11.3706	11.1914	1.13223
3	hcs103e01	5250	SLC25A3	0.222914	1.74607	11.5843	11.383	1.14968
5	hcs103e01	5250	SLC25A3	0.18417	1.99511	11.5268	11.3946	1.09599
7	hcs103e01	5250	SLC25A3	0.759378	0.350592	10.9759	10.938	1.02659
1	hcs103e05	?	?	0.46281	0.900696	12.0619	12.1736	0.925497
3	hcs103e05	?	?	0.737037	0.385451	12.3674	12.3241	1.03042
5	hcs103e05	?	?	0.955067	-0.0636087	12.2187	12.2253	-1.00459

7	hcs103e05	?	?	0.448076	-0.936015	11.9098	12.0639	-1.11275
1	hcs103e06	83715	ESPN	0.0985802	2.94448	11.5884	11.648	0.959508
3	hcs103e06	83715	ESPN	0.353963	1.19694	11.6059	11.5156	1.06457
5	hcs103e06	83715	ESPN	0.209124	1.82763	11.5683	11.3829	1.13716
7	hcs103e06	83715	ESPN	0.805055	-0.281087	11.4426	11.4641	-1.01501
1	hcs103e07	8943	AP3D1	0.624205	0.57349	10.6351	10.6654	0.979194
3	hcs103e07	8943	AP3D1	0.515318	0.783642	10.8147	10.7627	1.0367
5	hcs103e07	8943	AP3D1	0.109982	2.76071	10.7864	10.6119	1.12852
7	hcs103e07	8943	AP3D1	0.657484	0.515577	10.3813	10.3115	1.0496
1	hcs103e08	25807	RHBDD3	0.884404	0.16458	10.7374	10.7544	0.988263
3	hcs103e08	25807	RHBDD3	0.91619	-0.118944	10.7039	10.7188	-1.01038
5	hcs103e08	25807	RHBDD3	0.422183	1.00121	10.9062	10.8419	1.04553
7	hcs103e08	25807	RHBDD3	0.47672	0.868415	10.5923	10.5177	1.05309
1	hcs103e09	?	?	0.752066	0.361932	12.5272	12.5846	0.960973
3	hcs103e09	?	?	0.431101	0.978281	12.5307	12.3978	1.0965
5	hcs103e09	?	?	0.783344	-0.313852	12.5926	12.6353	-1.03004
7	hcs103e09	?	?	0.335936	-1.25606	12.2572	12.5928	-1.2619
1	hcs103e10	?	?	0.322456	1.30281	10.6664	10.7718	0.929526
3	hcs103e10	?	?	0.119107	-2.63201	10.726	10.809	-1.05919
5	hcs103e10	?	?	0.783101	-0.314223	10.7536	10.7651	-1.00805
7	hcs103e10	?	?	0.343356	-1.23128	10.3097	10.3818	-1.05125
1	hcs103e11	?	?	0.722128	0.409081	10.8729	10.8902	0.988103
3	hcs103e11	?	?	0.958483	-0.058765	11.1916	11.1967	-1.00354
5	hcs103e11	?	?	0.992945	-0.0099775	11.0177	11.0187	-1.00069
7	hcs103e11	?	?	0.280329	-1.46586	10.6807	10.7361	-1.03912
1	hcs103e12	6010	RHO	0.108492	2.78315	10.3374	10.4213	0.943526
3	hcs103e12	6010	RHO	0.321145	-1.30748	10.3086	10.462	-1.11219
5	hcs103e12	6010	RHO	0.939118	-0.0862608	10.1484	10.1605	-1.00844
7	hcs103e12	6010	RHO	0.146731	2.31404	9.96434	9.87507	1.06383
1	hcs103f02	6010	RHO	0.54259	0.727434	10.4029	10.5477	0.904505
3	hcs103f02	6010	RHO	0.681621	-0.474971	10.6	10.6602	-1.04259
5	hcs103f02	6010	RHO	0.297042	-1.39776	10.4956	10.6265	-1.09503
7	hcs103f02	6010	RHO	0.532155	0.748614	10.4146	10.29	1.0902
1	hcs103f03	165918	RNF168	0.565109	0.682999	9.97314	10.1088	0.910222
3	hcs103f03	165918	RNF168	0.525756	-0.761798	9.89434	10.2478	-1.27763
5	hcs103f03	165918	RNF168	0.304378	1.36936	10.0864	10.0344	1.0367
7	hcs103f03	165918	RNF168	0.245855	-1.62404	9.89885	10.0458	-1.10723
1	hcs103f05	?	?	0.6275	0.567646	10.4262	10.5111	0.94285
3	hcs103f05	?	?	0.491023	0.83622	10.6496	10.4894	1.11741
5	hcs103f05	?	?	0.965906	-0.0482436	10.4536	10.4657	-1.0084
7	hcs103f05	?	?	0.740771	0.379581	10.2602	10.2437	1.01151
3	hcs103f06	83723	FAM57B	0.0434017	-4.64238	9.91563	10.0978	-1.13459
5	hcs103f06	83723	FAM57B	0.806433	0.279022	9.6867	9.66739	1.01348
7	hcs103f06	83723	FAM57B	0.839769	0.229567	9.525	9.47894	1.03244
1	hcs103f07	2597	GAPDH	0.184858	1.99009	13.6692	14.2411	0.672746
3	hcs103f07	2597	GAPDH	0.172441	-2.08477	13.7612	14.213	-1.36775
5	hcs103f07	2597	GAPDH	0.320523	-1.3097	14.0007	14.4536	-1.36873



7	hcs103f07	2597	GAPDH	0.0146032	-8.18424	13.2761	14.255	-1.97096
1	hcs103f08	?	?	0.350062	1.20943	10.6442	11.0636	0.747718
3	hcs103f08	?	?	0.955606	0.062845	10.8812	10.87	1.00779
5	hcs103f08	?	?	0.904929	0.135063	11.0712	11.0482	1.01605
7	hcs103f08	?	?	0.448786	-0.934286	10.6169	10.7806	-1.1201
1	hcs103f09	342667	STAC2	0.373873	1.13563	10.3391	10.5415	0.869124
3	hcs103f09	342667	STAC2	0.971595	0.0401869	10.4541	10.4462	1.00549
5	hcs103f09	342667	STAC2	0.93815	0.0876369	10.4506	10.4355	1.0105
7	hcs103f09	342667	STAC2	0.337448	-1.25096	10.1719	10.2007	-1.02012
1	hcs103f10	10467	ZNHIT1	0.704282	0.437789	10.6913	10.7406	0.966383
3	hcs103f10	10467	ZNHIT1	0.959396	0.0574706	10.5681	10.555	1.00912
5	hcs103f10	10467	ZNHIT1	0.225795	1.72986	10.6911	10.4282	1.19983
7	hcs103f10	10467	ZNHIT1	0.211767	1.81146	10.5417	10.4403	1.07276
1	hcs103f11	5957	RCVRN	0.950638	-0.069894	11.9888	11.9807	1.00565
3	hcs103f11	5957	RCVRN	0.863136	-0.195394	11.6684	11.692	-1.01652
5	hcs103f11	5957	RCVRN	0.325219	-1.29304	12.0327	12.1258	-1.06666
7	hcs103f11	5957	RCVRN	0.118621	-2.6385	11.474	11.7011	-1.17043
1	hcs103g02	?	?	0.801118	0.286995	10.8002	10.8245	0.983275
3	hcs103g02	?	?	0.197089	1.90486	11.2768	11.1078	1.12425
5	hcs103g02	?	?	0.123489	2.57503	11.0639	10.8786	1.13705
7	hcs103g02	?	?	0.208988	1.82847	10.6794	10.4269	1.19127
1	hcs103g04	11100	HNRNPUL1	0.876594	-0.175866	10.5624	10.5256	1.02586
3	hcs103g04	11100	HNRNPUL1	0.578323	0.657672	11.0795	10.9743	1.07569
5	hcs103g04	11100	HNRNPUL1	0.310777	1.34526	11.0111	10.8345	1.13016
7	hcs103g04	11100	HNRNPUL1	0.538734	-0.735215	10.4209	10.4448	-1.01673
1	hcs103g05	10991	SLC38A3	0.324193	1.29665	10.7065	10.8476	0.906848
3	hcs103g05	10991	SLC38A3	0.586522	0.642215	11.0578	10.9199	1.10028
5	hcs103g05	10991	SLC38A3	0.216673	-1.78213	10.8821	10.9154	-1.0233
7	hcs103g05	10991	SLC38A3	0.877768	0.174168	10.3169	10.3119	1.00347
1	hcs103g06	2779	GNAT1	0.183319	2.00136	10.7741	10.9538	0.882866
3	hcs103g06	2779	GNAT1	0.527109	0.758998	11.0695	10.9581	1.08028
5	hcs103g06	2779	GNAT1	0.593699	0.628841	10.895	10.843	1.03673
7	hcs103g06	2779	GNAT1	0.921278	-0.111677	10.3656	10.3902	-1.01715
1	hcs103g07	?	?	0.782057	-0.315809	12.4245	12.4001	1.01708
5	hcs103g07	?	?	0.291474	-1.41991	12.4987	12.6622	-1.11998
7	hcs103g07	?	?	0.152203	-2.26084	12.0862	12.4101	-1.25168
1	hcs103g08	1191	CLU	0.313249	1.33611	10.34	10.4571	0.922039
3	hcs103g08	1191	CLU	0.229087	1.71168	10.8433	10.54	1.23391
5	hcs103g08	1191	CLU	0.070066	3.57637	10.7732	10.495	1.21271
7	hcs103g08	1191	CLU	0.0614985	3.84401	10.5574	10.096	1.37681
1	hcs103g09	5654	HTRA1	0.372692	-1.13916	10.7326	10.601	1.09548
3	hcs103g09	5654	HTRA1	0.62772	-0.567257	10.8752	10.9409	-1.04657
5	hcs103g09	5654	HTRA1	0.30073	1.38338	10.6637	10.5001	1.12008
7	hcs103g09	5654	HTRA1	0.109059	2.77456	10.5169	10.4728	1.03106
1	hcs103g10	?	?	0.332949	1.26623	12.3475	12.5164	0.8895
3	hcs103g10	?	?	0.843355	-0.224298	12.3588	12.4138	-1.03886
5	hcs103g10	?	?	0.433136	-0.973119	12.1916	12.3592	-1.12319

7	hcs103g10	?	?	0.994702	-0.007492	11.9498	11.9511	-1.00088
1	hcs103g11	6598	SMARCB1	0.44934	0.932938	10.3897	10.4631	0.950417
3	hcs103g11	6598	SMARCB1	0.912792	-0.123802	10.4589	10.4853	-1.01847
5	hcs103g11	6598	SMARCB1	0.943692	0.0797584	10.4986	10.4876	1.00768
7	hcs103g11	6598	SMARCB1	0.134377	2.44495	10.1789	10.0891	1.06423
1	hcs103g12	2779	GNAT1	0.217205	1.77901	10.2233	10.3725	0.901771
3	hcs103g12	2779	GNAT1	0.451232	-0.928347	10.3695	10.5426	-1.12745
5	hcs103g12	2779	GNAT1	0.704945	-0.436714	10.1604	10.2178	-1.04059
7	hcs103g12	2779	GNAT1	0.133231	2.45794	9.97413	9.8308	1.10445
1	hcs103h01	473	RERE	0.482775	0.854668	10.3957	10.5277	0.912544
3	hcs103h01	473	RERE	0.9362	-0.0904108	11.2217	11.2351	-1.00931
5	hcs103h01	473	RERE	0.0293031	-5.71257	10.368	10.5393	-1.12607
7	hcs103h01	473	RERE	0.817569	-0.2624	10.5001	10.513	-1.00898
1	hcs103h02			0.749999	0.365149	10.1762	10.2418	0.955537
3	hcs103h02			0.824105	-0.252693	10.3603	10.4124	-1.03675
5	hcs103h02			0.72556	-0.403613	10.0397	10.0767	-1.02599
7	hcs103h02			0.920245	-0.11315	10.1373	10.1467	-1.00658
1	hcs103h03	56925	LXN	0.625503	0.571185	10.722	10.8036	0.945031
3	hcs103h03	56925	LXN	0.285675	1.44354	11.2961	11.2038	1.06607
5	hcs103h03	56925	LXN	0.247014	-1.61827	10.8178	11.017	-1.14806
7	hcs103h03	56925	LXN	0.211532	-1.81288	10.4686	10.5962	-1.09247
1	hcs103h04	171024	SYNPO2	0.833243	0.239179	10.7788	10.8137	0.976077
3	hcs103h04	171024	SYNPO2	0.515727	0.782777	11.2293	11.098	1.09528
5	hcs103h04	171024	SYNPO2	0.473994	-0.874663	10.7848	10.8416	-1.04011
7	hcs103h04	171024	SYNPO2	0.43738	-0.96244	10.5474	10.6606	-1.0816
1	hcs103h05	?	?	0.576353	0.661414	11.3113	11.4418	0.913494
3	hcs103h05	?	?	0.419905	1.00716	11.631	11.4723	1.11628
7	hcs103h05	?	?	0.220537	-1.75964	11.1065	11.2904	-1.13592
1	hcs103h06	?	?	0.555602	0.701556	11.0282	11.1633	0.910607
3	hcs103h06	?	?	0.585464	0.6442	11.4667	11.372	1.06784
5	hcs103h06	?	?	0.240561	-1.65085	10.974	11.0382	-1.04548
7	hcs103h06	?	?	0.434721	-0.969119	10.8916	10.9981	-1.07659
1	hcs103h07	10243	GPHN	0.04447	4.58241	11.101	11.2808	0.882805
5	hcs103h07	10243	GPHN	0.328933	1.28006	11.291	11.104	1.13839
7	hcs103h07	10243	GPHN	0.0107719	9.55704	11.1621	10.8833	1.21321
7	hcs103h08	8754	ADAM9	0.0121536	8.98796	12.4943	11.9866	1.42185
1	hcs103h09			0.647447	0.532795	9.63375	9.71057	0.948143
3	hcs103h09			0.42759	-0.987246	10.2458	10.3971	-1.11053
5	hcs103h09			0.0877303	-3.14984	9.54258	9.70687	-1.12061
7	hcs103h09			0.115951	2.67491	9.74656	9.60406	1.10381
1	hcs103h10	6605	SMARCE1	0.538224	0.736248	10.4154	10.5165	0.932301
3	hcs103h10	6605	SMARCE1	0.251491	-1.59631	10.6091	10.6863	-1.05492
5	hcs103h10	6605	SMARCE1	0.177679	-2.04374	10.3401	10.5231	-1.13528
7	hcs103h10	6605	SMARCE1	0.898808	0.143845	10.3282	10.3218	1.00446
1	hcs103h11	10129	FRY	0.665436	0.502078	10.5531	10.5985	0.969021
3	hcs103h11	10129	FRY	0.897282	-0.146038	10.6174	10.6281	-1.00744
5	hcs103h11	10129	FRY	0.894713	0.14973	10.396	10.3887	1.00503

7	hcs103h11	10129	FRY	0.322431	1.3029	10.4175	10.2991	1.08551
1	hcs103h12			0.613888	-0.591949	10.2511	10.1431	1.07771
3	hcs103h12			0.855343	0.206751	10.1418	10.1024	1.02771
5	hcs103h12			0.930887	-0.097974	10.1338	10.1427	-1.0062
7	hcs103h12			0.869723	-0.185823	9.95603	9.97965	-1.0165
1	hcs104a01	6863	TAC1	0.41972	1.00764	13.4876	13.9662	0.71769
3	hcs104a01	6863	TAC1	0.6589	0.513164	14.1797	14.1265	1.03761
7	hcs104a01	6863	TAC1	0.0418355	4.73432	14.0163	13.4052	1.52739
1	hcs104a02	94101	ORMDL1	0.637591	0.549907	10.1777	10.248	0.952471
3	hcs104a02	94101	ORMDL1	0.455204	-0.918778	10.6713	10.7682	-1.06949
5	hcs104a02	94101	ORMDL1	0.22015	-1.76187	10.2693	10.4925	-1.16727
7	hcs104a02	94101	ORMDL1	0.628286	-0.566256	9.82951	9.92186	-1.06611
1	hcs104a03	26225	ARL5A	0.116491	2.66745	10.255	10.2985	0.970303
3	hcs104a03	26225	ARL5A	0.586865	0.641573	10.851	10.7997	1.0362
5	hcs104a03	26225	ARL5A	0.591552	-0.632826	10.2672	10.35	-1.05912
7	hcs104a03	26225	ARL5A	0.194328	-1.92347	10.0782	10.2223	-1.1051
1	hcs104a04	1286	COL4A4	0.316376	1.32467	10.7448	11.0912	0.786544
3	hcs104a04	1286	COL4A4	0.738326	0.383422	11.2804	11.2363	1.03109
5	hcs104a04	1286	COL4A4	0.179102	-2.03288	11.0545	11.2431	-1.13966
7	hcs104a04	1286	COL4A4	0.933	0.0949658	10.7953	10.78	1.01066
1	hcs104a05			0.469502	0.885042	9.6755	10.164	0.712779
3	hcs104a05			0.863269	-0.1952	10.5308	10.5652	-1.02412
5	hcs104a05			0.198822	-1.89336	9.93799	10.2151	-1.2118
7	hcs104a05			0.242113	-1.64291	9.88695	9.98642	-1.07138
1	hcs104a06	144108	SPTY2D1	0.402494	1.05379	10.5543	10.6826	0.914909
3	hcs104a06	144108	SPTY2D1	0.574932	0.664121	11.352	11.2004	1.11085
5	hcs104a06	144108	SPTY2D1	0.655073	0.519694	10.2482	10.1199	1.09302
7	hcs104a06	144108	SPTY2D1	0.8592	0.201125	10.4569	10.4183	1.02714
1	hcs104a07	54510	PCDH18	0.637696	0.549723	10.2395	10.2516	0.991614
3	hcs104a07	54510	PCDH18	0.550731	0.711176	10.2954	10.0776	1.16295
5	hcs104a07	54510	PCDH18	0.438348	0.96002	10.1536	10.0371	1.08411
7	hcs104a07	54510	PCDH18	0.239282	-1.65744	9.7027	9.84763	-1.10567
1	hcs104a08	5480	PPIC	0.464932	0.895706	10.8625	10.9313	0.953431
3	hcs104a08	5480	PPIC	0.190635	-1.94893	11.0851	11.309	-1.16783
5	hcs104a08	5480	PPIC	0.744277	-0.374086	10.9421	10.9795	-1.02631
7	hcs104a08	5480	PPIC	0.856791	0.204638	10.7126	10.6884	1.01694
1	hcs104a09	253782	LASS6	0.492249	0.833505	10.6066	10.7088	0.931633
3	hcs104a09	253782	LASS6	0.962115	-0.0536161	11.0015	11.0082	-1.00461
5	hcs104a09	253782	LASS6	0.542025	-0.728571	10.4181	10.5377	-1.08643
7	hcs104a09	253782	LASS6	0.31067	-1.34566	10.4112	10.4467	-1.02486
1	hcs104a10	84181	CHD6	0.232165	1.69498	10.0358	10.0689	0.977318
3	hcs104a10	84181	CHD6	0.177807	2.04276	11.0031	10.9289	1.05283
5	hcs104a10	84181	CHD6	0.0858356	-3.18945	10.1474	10.3742	-1.17023
7	hcs104a10	84181	CHD6	0.0183149	7.28731	9.93549	9.86041	1.05342
1	hcs104a11	8880	FUBP1	0.17475	2.06648	11.558	11.7402	0.881378
3	hcs104a11	8880	FUBP1	0.836851	-0.233861	11.4618	11.4791	-1.01209
5	hcs104a11	8880	FUBP1	0.0833937	3.24239	11.6791	11.499	1.13296

7	hcs104a11	8880	FUBP1	0.0032922	17.3852	11.2422	10.974	1.20433
1	hcs104a12	?	?	0.554186	0.704343	11.6748	11.7805	0.929332
5	hcs104a12	?	?	0.496796	-0.823496	11.5815	11.6555	-1.05263
7	hcs104a12	?	?	0.698375	0.447399	11.4136	11.3915	1.01544
1	hcs104b01			0.886036	-0.162226	10.3381	10.3213	1.01169
3	hcs104b01			0.489682	-0.839199	10.5858	10.8114	-1.16932
5	hcs104b01			0.497474	-0.82201	10.2486	10.3531	-1.07514
7	hcs104b01			0.516125	0.781937	9.88344	9.80718	1.05428
1	hcs104b02	?	?	0.791806	0.301027	11.7187	11.7654	0.968126
3	hcs104b02	?	?	0.680349	-0.477085	11.7399	11.7734	-1.02347
5	hcs104b02	?	?	0.257394	-1.5681	11.7276	11.7838	-1.0397
7	hcs104b02	?	?	0.799594	0.289286	11.7333	11.6892	1.03106
1	hcs104b03	91404	SESTD1	0.0774419	3.38128	9.99185	10.0833	0.938575
3	hcs104b03	91404	SESTD1	0.239519	-1.65622	10.3663	10.6185	-1.19109
5	hcs104b03	91404	SESTD1	0.458833	0.910112	10.1776	10.1257	1.03663
7	hcs104b03	91404	SESTD1	0.82507	0.251262	9.9328	9.91137	1.01497
1	hcs104b04	339559	ZNF642	0.247625	1.61525	10.723	11.0113	0.818847
3	hcs104b04	339559	ZNF642	0.25626	1.57345	11.1383	11.0666	1.05095
5	hcs104b04	339559	ZNF642	0.0008624	34.0302	11.1076	10.7488	1.28239
7	hcs104b04	339559	ZNF642	0.0069097	11.9676	10.8564	10.6333	1.16721
1	hcs104b05	10907	TXNL4A	0.559375	0.694155	11.1539	11.2744	0.919848
3	hcs104b05	10907	TXNL4A	0.744504	0.37373	11.3127	11.2562	1.03989
5	hcs104b05	10907	TXNL4A	0.859233	0.201077	11.2576	11.2322	1.01781
7	hcs104b05	10907	TXNL4A	0.295527	1.40374	11.0134	10.962	1.03629
1	hcs104b06	7541	ZFP161	0.153494	2.24866	9.88203	10.1173	0.849546
3	hcs104b06	7541	ZFP161	0.106076	-2.8205	10.4313	10.6134	-1.13451
5	hcs104b06	7541	ZFP161	0.27231	-1.50036	10.2131	10.3051	-1.06585
7	hcs104b06	7541	ZFP161	0.163838	2.15597	9.93097	9.73202	1.14786
1	hcs104b07	90411	MCFD2	0.0680314	3.63548	10.4215	10.5136	0.938134
3	hcs104b07	90411	MCFD2	0.724214	-0.405757	10.632	10.6661	-1.02392
5	hcs104b07	90411	MCFD2	0.632248	0.559271	10.647	10.5718	1.05348
7	hcs104b07	90411	MCFD2	0.364547	1.16387	10.3454	10.1449	1.14915
1	hcs104b08	57494	RIMKLB	0.139589	-2.38776	10.103	10.0496	1.0377
3	hcs104b08	57494	RIMKLB	0.459018	-0.90967	10.1732	10.4098	-1.1782
5	hcs104b08	57494	RIMKLB	0.477773	-0.866013	9.99162	10.1869	-1.14495
7	hcs104b08	57494	RIMKLB	0.156974	2.21654	9.84397	9.70989	1.09739
1	hcs104b09	5594	MAPK1	0.796124	-0.29451	11.0694	11.0385	1.02163
3	hcs104b09	5594	MAPK1	0.868821	0.187132	11.2708	11.2331	1.02643
5	hcs104b09	5594	MAPK1	0.781293	0.316972	11.0288	10.9882	1.02857
7	hcs104b09	5594	MAPK1	0.421259	1.00362	10.9273	10.8052	1.08832
1	hcs104b10			0.769976	-0.334267	10.0885	10.0753	1.0092
3	hcs104b10			0.621989	-0.577433	10.0276	10.183	-1.11374
5	hcs104b10			0.594212	-0.627891	9.97844	10.0774	-1.07102
7	hcs104b10			0.204765	1.8549	10.0656	9.86882	1.14612
1	hcs104b11	1690	COCH	0.185327	1.98669	10.2989	10.5679	0.829895
3	hcs104b11	1690	COCH	0.365296	-1.16157	10.2871	10.529	-1.18257
5	hcs104b11	1690	COCH	0.780362	-0.31839	10.4265	10.4522	-1.01802

7	hcs104b11	1690	COCH	0.842718	0.225233	10.2806	10.2516	1.02032
1	hcs104b12	?	?	0.555606	0.701547	11.0416	11.1083	0.954819
3	hcs104b12	?	?	0.968255	-0.0449169	11.0574	11.0684	-1.0077
5	hcs104b12	?	?	0.848994	-0.216032	10.9688	11.007	-1.02688
7	hcs104b12	?	?	0.333392	-1.26471	10.7377	10.8097	-1.05115
3	hcs104c01	9465	AKAP7	0.674794	0.486347	10.2184	10.137	1.05806
5	hcs104c01	9465	AKAP7	0.384871	-1.10337	9.39915	9.87122	-1.3871
7	hcs104c01	9465	AKAP7	0.764783	0.34225	9.53935	9.4628	1.0545
1	hcs104c02	?	?	0.697147	-0.449403	10.1672	10.0707	1.06914
3	hcs104c02	?	?	0.934966	-0.0921677	10.8141	10.8275	-1.00928
5	hcs104c02	?	?	0.658928	-0.513116	10.0594	10.176	-1.08422
7	hcs104c02	?	?	0.462775	-0.900778	9.92767	9.97168	-1.03098
1	hcs104c03	687	KLF9	0.537379	0.737963	9.95164	10.3111	0.779433
3	hcs104c03	687	KLF9	0.378596	1.12165	10.7915	10.7278	1.04519
5	hcs104c03	687	KLF9	0.7269	-0.401485	10.1627	10.2606	-1.07026
7	hcs104c03	687	KLF9	0.37133	-1.14325	9.99817	10.1265	-1.09307
1	hcs104c04	116150	NUS1	0.691156	0.459221	10.8652	11.006	0.907016
3	hcs104c04	116150	NUS1	0.505529	0.804524	11.3027	11.1699	1.09642
5	hcs104c04	116150	NUS1	0.818123	0.261576	10.9753	10.9323	1.03025
7	hcs104c04	116150	NUS1	0.8079	-0.276826	10.7832	10.8007	-1.01225
1	hcs104c05	3187	HNRNPH1	0.788233	-0.306433	10.1461	10.0882	1.04095
5	hcs104c05	3187	HNRNPH1	0.826521	0.249114	9.51595	9.47852	1.02628
1	hcs104c06	51528	JKAMP	0.617249	-0.585907	10.3578	10.2306	1.09219
5	hcs104c06	51528	JKAMP	0.975364	-0.0348515	10.1691	10.1745	-1.00379
7	hcs104c06	51528	JKAMP	0.63206	-0.559603	10.1471	10.2163	-1.04913
1	hcs104c07	84909	C9orf3	0.122065	2.59323	10.0695	10.3053	0.849214
3	hcs104c07	84909	C9orf3	0.401022	1.05784	10.8012	10.744	1.04044
5	hcs104c07	84909	C9orf3	0.404059	-1.04951	9.88243	9.95661	-1.05276
1	hcs104c08			0.356994	1.18735	10.2443	10.4131	0.889562
3	hcs104c08			0.723017	0.407662	10.5912	10.5753	1.01108
5	hcs104c08			0.165362	-2.14299	10.4936	10.5803	-1.06194
7	hcs104c08			0.944776	-0.078218	10.1948	10.2088	-1.00975
1	hcs104c09	8470	SORBS2	0.32091	1.30832	10.8471	10.9392	0.938134
3	hcs104c09	8470	SORBS2	0.135966	-2.42719	11.1406	11.3203	-1.1326
5	hcs104c09	8470	SORBS2	0.0581722	-3.96299	10.7529	11.0402	-1.22038
7	hcs104c09	8470	SORBS2	0.714789	-0.420829	10.6815	10.7088	-1.0191
1	hcs104c10	29097	CNIH4	0.833341	-0.239034	10.9118	10.8771	1.02434
3	hcs104c10	29097	CNIH4	0.169901	-2.10528	11.3681	11.4292	-1.04326
5	hcs104c10	29097	CNIH4	0.948601	-0.0727856	10.6633	10.6693	-1.00421
7	hcs104c10	29097	CNIH4	0.780467	-0.31823	10.5866	10.6191	-1.02278
1	hcs104c11	?	?	0.656867	0.51663	10.7361	10.778	0.971397
3	hcs104c11	?	?	0.649691	-0.528928	11.0704	11.1357	-1.0463
5	hcs104c11	?	?	0.781087	0.317286	10.8313	10.7877	1.03068
7	hcs104c11	?	?	0.478126	0.865207	10.8178	10.7717	1.03249
3	hcs104c12	98	ACYP2	0.895506	0.14859	11.0408	11.0307	1.007
5	hcs104c12	98	ACYP2	0.554085	-0.704542	10.6636	10.7567	-1.06666
7	hcs104c12	98	ACYP2	0.0986063	2.94402	10.5332	10.4466	1.06184

1	hcs104d01	84146	ZNF644	0.578198	-0.657908	9.54453	9.3802	1.12065
3	hcs104d01	84146	ZNF644	0.147327	-2.30812	9.4175	9.88336	-1.38114
5	hcs104d01	84146	ZNF644	0.142463	-2.35748	9.60057	9.85371	-1.1918
1	hcs104d02	?	?	0.780851	0.317645	12.5512	12.5995	0.967075
3	hcs104d02	?	?	0.419579	-1.00801	12.5739	12.6814	-1.07736
5	hcs104d02	?	?	0.337619	-1.25039	12.7361	12.8328	-1.06937
7	hcs104d02	?	?	0.478549	-0.864245	12.2007	12.4505	-1.18904
1	hcs104d03	55179	FAIM	0.408851	1.03651	11.037	11.2069	0.888884
3	hcs104d03	55179	FAIM	0.723214	-0.407349	10.816	10.905	-1.06362
5	hcs104d03	55179	FAIM	0.843969	0.223397	10.8195	10.7912	1.01986
7	hcs104d03	55179	FAIM	0.0489137	4.35393	10.845	10.6822	1.11951
1	hcs104d04	3685	ITGAV	0.0322715	5.43096	10.0361	10.2263	0.876504
3	hcs104d04	3685	ITGAV	0.762544	-0.3457	10.2473	10.3412	-1.0672
5	hcs104d04	3685	ITGAV	0.376432	1.12803	10.304	10.1451	1.11649
7	hcs104d04	3685	ITGAV	0.54818	0.716246	10.3002	10.1515	1.10857
1	hcs104d05			0.141693	2.36551	10.5721	10.6646	0.937874
3	hcs104d05			0.893727	0.151149	10.9549	10.935	1.01389
5	hcs104d05			0.860774	-0.198832	10.7882	10.8206	-1.02274
7	hcs104d05			0.771134	0.332491	10.5574	10.5382	1.0134
1	hcs104d06	54806	AHI1	0.160745	2.18282	10.3687	10.5451	0.884888
3	hcs104d06	54806	AHI1	0.990246	0.0137944	10.9288	10.9263	1.00173
5	hcs104d06	54806	AHI1	0.365591	1.16066	10.7684	10.5877	1.13346
7	hcs104d06	54806	AHI1	0.288321	1.43268	10.4662	10.3242	1.10343
1	hcs104d07			0.42728	0.988043	10.0062	10.0966	0.939291
3	hcs104d07			0.106862	-2.80821	9.73496	10.1422	-1.32619
5	hcs104d07			0.0243769	-6.28718	9.81845	9.89845	-1.05702
1	hcs104d08	5997	RGS2	0.126561	2.53675	10.713	10.7794	0.955018
3	hcs104d08	5997	RGS2	0.791592	-0.301351	10.8783	10.947	-1.04875
5	hcs104d08	5997	RGS2	0.840455	0.228559	11.0175	10.9797	1.02657
7	hcs104d08	5997	RGS2	0.0540968	4.12302	10.7179	10.6486	1.04916
3	hcs104d09			0.969044	0.0438	12.4465	12.4433	1.0022
5	hcs104d09			0.130811	-2.48588	12.7899	12.9895	-1.14833
7	hcs104d09			0.403425	-1.05125	12.3558	12.6672	-1.24091
1	hcs104d10	23022	PALLD	0.0770044	3.39209	10.4864	10.7915	0.809367
3	hcs104d10	23022	PALLD	0.835819	-0.235381	10.4997	10.5649	-1.04621
5	hcs104d10	23022	PALLD	0.121779	2.59692	10.9485	10.5822	1.28904
7	hcs104d10	23022	PALLD	0.209361	1.82617	10.7366	10.4487	1.22092
1	hcs104d11	254272	TBC1D28	0.431508	0.977247	12.2924	12.4528	0.894777
3	hcs104d11	254272	TBC1D28	0.304144	1.37025	12.3502	12.1075	1.18315
5	hcs104d11	254272	TBC1D28	0.0182574	7.29911	13.1414	12.6076	1.4477
7	hcs104d11	254272	TBC1D28	0.324878	1.29424	12.658	12.3996	1.19618
1	hcs104d12	440515	ZNF506	0.243656	1.63509	9.79464	9.99112	0.872677
5	hcs104d12	440515	ZNF506	0.733275	-0.391385	9.4861	9.58599	-1.07169
7	hcs104d12	440515	ZNF506	0.464083	0.897699	9.57025	9.50782	1.04423
1	hcs104e01	?	?	0.587994	-0.639461	9.84092	9.71581	1.09059
3	hcs104e01	?	?	0.713602	0.422736	10.2663	10.1933	1.05193
5	hcs104e01	?	?	0.638435	-0.548433	10.0713	10.1823	-1.07996

7	hcs104e01	?	?	0.66987	-0.494604	9.52463	9.63289	-1.07793
1	hcs104e02	1349	COX7B	0.527902	0.757359	11.0222	11.145	0.918424
3	hcs104e02	1349	COX7B	0.439649	0.956779	11.4019	11.2822	1.08656
5	hcs104e02	1349	COX7B	0.314427	-1.33179	11.2004	11.3389	-1.10071
7	hcs104e02	1349	COX7B	0.88873	-0.158343	10.9097	10.9356	-1.01809
1	hcs104e03	3953	LEPR	0.490481	0.837423	11.3985	11.5387	0.907414
3	hcs104e03	3953	LEPR	0.245428	1.62618	11.6237	11.6073	1.01146
5	hcs104e03	3953	LEPR	0.682723	0.473143	11.5771	11.5353	1.0294
7	hcs104e03	3953	LEPR	0.679134	-0.479106	11.0784	11.1356	-1.0404
1	hcs104e04	59277	NTN4	0.517045	0.779999	11.1316	11.2215	0.939588
3	hcs104e04	59277	NTN4	0.925795	0.105231	11.3507	11.3283	1.01567
5	hcs104e04	59277	NTN4	0.667885	-0.497945	11.0153	11.0573	-1.02956
7	hcs104e04	59277	NTN4	0.86322	-0.195272	10.9226	10.9351	-1.00868
3	hcs104e05	?	?	0.261883	1.5472	10.7474	10.4293	1.24663
5	hcs104e05	?	?	0.342113	-1.23539	10.1201	10.3779	-1.1957
7	hcs104e05	?	?	0.94105	0.0835136	9.96178	9.94839	1.00933
5	hcs104e06	1386	ATF2	0.638161	-0.548912	10.2702	10.3169	-1.03287
7	hcs104e06	1386	ATF2	0.143248	-2.34936	9.83765	9.89613	-1.04137
1	hcs104e08			0.59778	0.621297	10.9337	10.9752	0.971644
3	hcs104e08			0.226794	1.72431	11.4292	11.3461	1.05932
5	hcs104e08			0.242137	-1.64279	10.997	11.1254	-1.09306
7	hcs104e08			0.525288	-0.762768	10.7438	10.7784	-1.02425
1	hcs104e09	57665	RDH14	0.144082	-2.3408	10.9536	10.8677	1.06137
3	hcs104e09	57665	RDH14	0.990376	-0.0136115	11.0107	11.0127	-1.00139
5	hcs104e09	57665	RDH14	0.662962	0.506265	11.0402	11.0024	1.02652
7	hcs104e09	57665	RDH14	0.354906	-1.19395	10.5401	10.6281	-1.06285
1	hcs104e10	2327	FMO2	0.301427	1.38068	10.4114	10.5609	0.901563
3	hcs104e10	2327	FMO2	0.267838	-1.52017	10.6902	10.8248	-1.09784
5	hcs104e10	2327	FMO2	0.845981	-0.220446	10.4375	10.4526	-1.01052
7	hcs104e10	2327	FMO2	0.674864	0.48623	10.1625	10.1142	1.03402
1	hcs104e11	9802	DAZAP2	0.326096	1.28996	10.5086	10.7008	0.87527
3	hcs104e11	9802	DAZAP2	0.335715	-1.25681	10.7431	10.8663	-1.08915
5	hcs104e11	9802	DAZAP2	0.972847	-0.0384137	10.6555	10.6607	-1.00361
7	hcs104e11	9802	DAZAP2	0.355189	1.19305	10.4026	10.3471	1.03927
1	hcs104e12	29767	TMOD2	0.480753	0.859239	11.7294	11.8283	0.933723
5	hcs104e12	29767	TMOD2	0.760165	0.349375	11.6856	11.6399	1.03218
7	hcs104e12	29767	TMOD2	0.546519	-0.71956	11.0705	11.1873	-1.0843
3	hcs104f01	51449	PCYOX1	0.622665	-0.576229	10.0043	10.1418	-1.09996
1	hcs104f02	51112	TTC15	0.525712	0.761889	10.5778	10.6644	0.941718
3	hcs104f02	51112	TTC15	0.60493	-0.608188	10.8787	10.9504	-1.05091
5	hcs104f02	51112	TTC15	0.121035	-2.60658	10.6242	10.6693	-1.03171
7	hcs104f02	51112	TTC15	0.733624	0.390833	10.5086	10.4622	1.03268
1	hcs104f03	55755	CDK5RAP2	0.687736	0.464853	11.2581	11.3492	0.938828
5	hcs104f03	55755	CDK5RAP2	0.57289	-0.668022	11.2921	11.3666	-1.05297
7	hcs104f03	55755	CDK5RAP2	0.0526789	-4.18288	11.1176	11.203	-1.06103
1	hcs104f04	5926	ARID4A	0.715624	0.419488	10.3802	10.445	0.956056
3	hcs104f04	5926	ARID4A	0.655266	0.519365	10.8545	10.7378	1.08423

5	hcs104f04	5926	ARID4A	0.42893	-0.983815	10.3051	10.4975	-1.14264
7	hcs104f04	5926	ARID4A	0.230617	-1.70334	10.2385	10.3407	-1.07342
3	hcs104f05	51421	AMOTL2	0.399264	1.06269	11.3918	11.3014	1.06464
5	hcs104f05	51421	AMOTL2	0.898534	-0.144238	11.2731	11.2951	-1.01532
7	hcs104f05	51421	AMOTL2	0.362581	1.16992	11.001	10.9177	1.05944
1	hcs104f06	10923	SUB1	0.333078	1.26578	10.4767	10.7114	0.849842
5	hcs104f06	10923	SUB1	0.537656	-0.737401	10.1509	10.1954	-1.03134
7	hcs104f06	10923	SUB1	0.525756	-0.761799	10.3735	10.4685	-1.06807
5	hcs104f07	3084	NRG1	0.284312	1.44918	10.9604	10.7923	1.12358
7	hcs104f07	3084	NRG1	0.118387	2.64165	10.9128	10.7322	1.13336
1	hcs104f08	7991	TUSC3	0.443538	0.947143	10.8554	11.0753	0.858605
5	hcs104f08	7991	TUSC3	0.687572	-0.465124	11.0946	11.1067	-1.0084
7	hcs104f08	7991	TUSC3	0.707795	-0.432098	10.8009	10.8303	-1.02059
1	hcs104f09			0.537541	0.737634	11.4887	11.5705	0.9449
3	hcs104f09			0.883835	-0.165402	11.7977	11.8118	-1.00977
5	hcs104f09			0.204779	-1.85482	11.4846	11.6649	-1.13315
7	hcs104f09			0.42807	-0.986016	11.2606	11.3494	-1.06346
1	hcs104f10	10254	STAM2	0.786627	-0.308868	11.3207	11.2896	1.02181
5	hcs104f10	10254	STAM2	0.895212	-0.149013	10.9371	10.9617	-1.01715
7	hcs104f10	10254	STAM2	0.699802	-0.445072	11.1152	11.1373	-1.01541
1	hcs104f11	115352	FCRL3	0.963884	0.0511096	10.3895	10.3903	0.999423
3	hcs104f11	115352	FCRL3	0.227709	-1.71925	10.4055	10.5002	-1.06782
5	hcs104f11	115352	FCRL3	0.439685	-0.956687	10.3142	10.4036	-1.0639
7	hcs104f11	115352	FCRL3	0.46869	0.886927	10.164	10.0162	1.10789
1	hcs104f12	9994	CASP8AP2	0.156537	-2.22052	10.4859	10.2852	1.14928
3	hcs104f12	9994	CASP8AP2	0.683231	0.472301	10.1699	9.96749	1.15062
5	hcs104f12	9994	CASP8AP2	0.431109	-0.978259	10.3194	10.403	-1.05963
7	hcs104f12	9994	CASP8AP2	0.839931	0.229328	10.12	10.1136	1.00445
1	hcs104g01	?	?	0.64643	-0.534551	10.3612	10.2678	1.0669
3	hcs104g01	?	?	0.881278	0.169094	10.7362	10.7167	1.01361
5	hcs104g01	?	?	0.954064	-0.0650322	10.4483	10.4505	-1.00148
7	hcs104g01	?	?	0.223673	-1.74177	9.79449	9.91669	-1.08839
1	hcs104g02			0.586935	-0.641443	13.7121	13.6223	1.0642
3	hcs104g02			0.347512	1.21768	13.2841	13.2252	1.0417
5	hcs104g02			0.288525	1.43185	13.8055	13.3452	1.37576
7	hcs104g02			0.147918	2.30226	13.5498	13.3535	1.14581
1	hcs104g03	93594	WDR67	0.442613	0.949428	11.19	11.3039	0.924065
3	hcs104g03	93594	WDR67	0.710621	-0.427536	11.4637	11.5153	-1.03644
5	hcs104g03	93594	WDR67	0.44739	-0.937691	11.2046	11.2577	-1.03752
7	hcs104g03	93594	WDR67	0.606406	0.6055	11.2925	11.2318	1.04297
1	hcs104g04	80314	EPC1	0.466927	0.891037	11.2328	11.4369	0.8681
3	hcs104g04	80314	EPC1	0.373659	1.13627	11.8419	11.6481	1.1438
5	hcs104g04	80314	EPC1	0.153758	-2.24619	11.5424	11.625	-1.05888
7	hcs104g04	80314	EPC1	0.196863	-1.90638	11.1101	11.2968	-1.13821
1	hcs104g05			0.506274	0.802921	11.3743	11.5151	0.907016
3	hcs104g05			0.621349	0.578575	11.9886	11.8822	1.07659
5	hcs104g05			0.522764	-0.768016	11.6579	11.7471	-1.0638



7	hcs104g05			0.529466	-0.754137	11.2321	11.2968	-1.04582
1	hcs104g06			0.835631	-0.235659	10.5129	10.5047	1.0057
3	hcs104g06			0.0502747	4.28994	11.0372	10.777	1.19769
5	hcs104g06			0.285515	1.4442	10.1981	10.121	1.05486
7	hcs104g06			0.573343	0.667156	10.0394	9.99747	1.02951
3	hcs104g07	?	?	0.987632	0.0174925	12.1846	12.1811	1.00245
7	hcs104g07	?	?	0.0819604	3.2745	12.6052	12.0374	1.48223
1	hcs104g08	8992	ATP6V0E1	0.0972095	2.9686	11.6754	11.7226	0.967835
3	hcs104g08	8992	ATP6V0E1	0.42345	0.997922	11.8231	11.7425	1.05748
5	hcs104g08	8992	ATP6V0E1	0.858403	-0.202286	11.6456	11.653	-1.00512
7	hcs104g08	8992	ATP6V0E1	0.861913	0.197173	11.4669	11.4474	1.01361
1	hcs104g09			0.771424	-0.332046	11.6813	11.6507	1.02146
3	hcs104g09			0.151543	2.26711	11.6694	11.4768	1.14287
5	hcs104g09			0.166622	2.13238	11.7431	11.4565	1.21976
7	hcs104g09			0.0895337	3.11326	11.6382	11.4337	1.15226
1	hcs104g10			0.376624	1.12746	11.7293	11.8596	0.91362
3	hcs104g10			0.905285	0.134552	11.92	11.9126	1.00519
5	hcs104g10			0.136113	2.42556	12.1398	11.7799	1.28337
7	hcs104g10			0.0684072	3.62437	11.6248	11.4	1.16864
1	hcs104g11	5638	PRRG1	0.640926	0.544094	12.4827	12.522	0.973127
3	hcs104g11	5638	PRRG1	0.0046434	14.6239	12.4497	12.2354	1.16011
5	hcs104g11	5638	PRRG1	0.0131694	8.62769	12.8293	12.6007	1.17172
7	hcs104g11	5638	PRRG1	0.730464	0.395831	12.4703	12.3793	1.06508
1	hcs104g12	51138	COPS4	0.196612	1.90805	11.7427	11.9245	0.881582
3	hcs104g12	51138	COPS4	0.0911572	3.08122	12.0102	11.6462	1.28702
5	hcs104g12	51138	COPS4	0.0116202	9.19564	11.9876	11.5823	1.32433
7	hcs104g12	51138	COPS4	0.0997877	2.92362	11.5529	11.2158	1.26327
1	hcs104h01	84624	FNDC1	0.446999	0.938645	10.0975	10.1536	0.961874
3	hcs104h01	84624	FNDC1	0.771609	-0.331762	10.4336	10.5041	-1.05003
5	hcs104h01	84624	FNDC1	0.799151	0.289952	10.2163	10.1743	1.02951
7	hcs104h01	84624	FNDC1	0.514173	0.786063	10.0333	9.95964	1.05235
1	hcs104h02	51639	SF3B14	0.861685	0.197505	10.1088	10.1269	0.987565
3	hcs104h02	51639	SF3B14	0.815436	0.265576	10.4276	10.3963	1.02196
5	hcs104h02	51639	SF3B14	0.938494	-0.087147	10.0674	10.0804	-1.00905
7	hcs104h02	51639	SF3B14	0.24781	-1.61433	9.99583	10.1241	-1.09301
1	hcs104h03	2764	GMFB	0.560004	0.692926	10.0463	10.4079	0.778283
5	hcs104h03	2764	GMFB	0.156063	-2.22485	10.3879	10.5738	-1.13753
1	hcs104h04	8195	MKKS	0.475324	-0.87161	12.1694	11.9768	1.14285
3	hcs104h04	8195	MKKS	0.439628	0.956829	12.3121	12.0617	1.18951
5	hcs104h04	8195	MKKS	0.152117	2.26164	12.3817	11.7767	1.52098
7	hcs104h04	8195	MKKS	0.223378	1.74344	12.0279	11.6447	1.30426
3	hcs104h05	23150	FRMD4B	0.457049	0.914363	10.6173	10.5163	1.07257
7	hcs104h05	23150	FRMD4B	0.218343	1.77235	10.4483	10.3012	1.10738
1	hcs104h06	1390	CREM	0.941804	0.0824419	10.5096	10.5198	0.992978
3	hcs104h06	1390	CREM	0.368935	1.15048	11.0259	10.9359	1.06439
5	hcs104h06	1390	CREM	0.232549	-1.69291	10.5105	10.65	-1.10152
7	hcs104h06	1390	CREM	0.549802	-0.713021	10.3639	10.437	-1.052

5	hcs104h07	80895	ILKAP	0.90678	0.132409	9.44508	9.40677	1.02691
1	hcs104h09			0.298462	1.3922	9.97482	10.162	0.878345
3	hcs104h09			0.272693	-1.49869	10.2292	10.4158	-1.13809
5	hcs104h09			0.446806	-0.939119	10.0744	10.2081	-1.09708
7	hcs104h09			0.674072	0.487556	9.92276	9.86242	1.04271
1	hcs104h10	8803	SUCLA2	0.399327	1.06252	9.88831	9.94201	0.963462
3	hcs104h10	8803	SUCLA2	0.798567	-0.29083	10.0583	10.0897	-1.02201
5	hcs104h10	8803	SUCLA2	0.190993	-1.94643	9.73272	9.91195	-1.13228
7	hcs104h10	8803	SUCLA2	0.916827	0.118033	9.79381	9.78418	1.0067
1	hcs104h11	115207	KCTD12	0.253227	-1.58793	10.2133	10.1554	1.04092
3	hcs104h11	115207	KCTD12	0.812943	-0.269291	10.1246	10.1669	-1.0297
5	hcs104h11	115207	KCTD12	0.440068	-0.955736	10.0023	10.1161	-1.08213
7	hcs104h11	115207	KCTD12	0.834276	-0.237656	9.83779	9.8661	-1.01981
1	hcs104h12	51186	WBP5	0.139847	2.38501	10.2241	10.2863	0.957803
3	hcs104h12	51186	WBP5	0.737356	0.38495	10.1296	10.0359	1.06715
5	hcs104h12	51186	WBP5	0.987681	0.017423	10.1906	10.1881	1.00178
7	hcs104h12	51186	WBP5	0.78194	0.315987	10.0675	10.0337	1.0237
1	hcs105a01	79447	C16orf53	0.866145	0.191018	10.3666	10.408	0.971725
3	hcs105a01	79447	C16orf53	0.698608	-0.447018	10.1218	10.2372	-1.08324
5	hcs105a01	79447	C16orf53	0.445572	-0.94214	10.3304	10.3687	-1.02688
7	hcs105a01	79447	C16orf53	0.272442	1.49978	10.0777	9.84787	1.17269
1	hcs105a02	8418	CMAH	0.572101	0.669531	10.0704	10.1696	0.933561
3	hcs105a02	8418	CMAH	0.877192	-0.175002	10.2743	10.3071	-1.02303
5	hcs105a02	8418	CMAH	0.850137	-0.214359	10.17	10.2107	-1.02862
7	hcs105a02	8418	CMAH	0.112339	2.72606	9.93631	9.88891	1.0334
1	hcs105a03	64764	CREB3L2	0.224572	1.73671	12.9606	13.2852	0.798501
3	hcs105a03	64764	CREB3L2	0.704686	-0.437133	12.4553	12.6865	-1.17387
5	hcs105a03	64764	CREB3L2	0.266061	1.52816	13.35	12.9087	1.35789
1	hcs105a04	55704	CCDC88A	0.182493	2.00745	10.55	10.7697	0.858724
3	hcs105a04	55704	CCDC88A	0.984222	0.0223156	10.7715	10.7673	1.00296
5	hcs105a04	55704	CCDC88A	0.969336	-0.0433863	10.7124	10.7173	-1.0034
7	hcs105a04	55704	CCDC88A	0.0040301	15.7045	10.4581	10.4032	1.03874
1	hcs105a05			0.848147	0.217273	11.2302	11.2681	0.974072
3	hcs105a05			0.618328	0.583974	11.4285	11.369	1.04213
5	hcs105a05			0.946857	-0.075262	11.3244	11.3292	-1.00336
7	hcs105a05			0.235706	-1.67612	10.9063	10.9667	-1.04278
1	hcs105a06	91860	CALML4	0.290668	1.42316	10.8675	11.0818	0.861945
3	hcs105a06	91860	CALML4	0.947267	-0.074679	11.0102	11.0204	-1.00714
5	hcs105a06	91860	CALML4	0.721991	-0.4093	10.8867	10.9397	-1.03747
7	hcs105a06	91860	CALML4	0.931972	0.0964294	10.573	10.5673	1.00401
1	hcs105a07	9113	LATS1	0.046275	4.48573	10.1324	10.3337	0.869795
3	hcs105a07	9113	LATS1	0.613536	-0.592584	10.4262	10.5182	-1.06584
5	hcs105a07	9113	LATS1	0.336139	1.25538	10.4558	10.3649	1.06501
7	hcs105a07	9113	LATS1	0.0977729	2.95863	9.96043	9.79688	1.12003
1	hcs105a08	22888	UBOX5	0.154276	2.24136	10.9604	11.2856	0.798188
3	hcs105a08	22888	UBOX5	0.564612	0.683962	11.2426	11.1753	1.04775
5	hcs105a08	22888	UBOX5	0.56345	-0.686217	11.0333	11.0698	-1.02565

7	hcs105a08	22888	UBOX5	0.550796	0.711048	10.7292	10.6679	1.04341
1	hcs105a09	135152	B3GAT2	0.0752994	3.4351	10.4657	10.7257	0.835088
3	hcs105a09	135152	B3GAT2	0.148933	-2.29231	10.5256	10.6821	-1.1146
5	hcs105a09	135152	B3GAT2	0.268492	-1.51725	10.205	10.303	-1.07026
7	hcs105a09	135152	B3GAT2	0.655409	-0.51912	10.3037	10.344	-1.02828
1	hcs105a10	60487	TRMT11	0.223433	1.74313	10.4362	10.609	0.887119
3	hcs105a10	60487	TRMT11	0.846613	-0.21952	10.5227	10.5581	-1.02479
5	hcs105a10	60487	TRMT11	0.15984	-2.19082	10.2938	10.3822	-1.06322
7	hcs105a10	60487	TRMT11	0.640425	0.544966	10.3187	10.2629	1.03947
1	hcs105a11	5019	OXCT1	0.484306	0.851218	10.6342	10.7253	0.938785
3	hcs105a11	5019	OXCT1	0.427502	-0.987472	10.7591	10.8683	-1.07863
5	hcs105a11	5019	OXCT1	0.24623	-1.62217	10.6075	10.7001	-1.06634
7	hcs105a11	5019	OXCT1	0.371265	1.14345	10.5451	10.5265	1.01298
1	hcs105a12	80020	FOXRED2	0.613124	0.593326	10.641	10.7369	0.935688
3	hcs105a12	80020	FOXRED2	0.969201	-0.0435775	10.7819	10.788	-1.00419
5	hcs105a12	80020	FOXRED2	0.958597	0.0586029	10.7032	10.691	1.00849
7	hcs105a12	80020	FOXRED2	0.0885517	-3.13305	10.4943	10.5173	-1.01612
1	hcs105b01			0.769776	0.334574	10.6416	10.6753	0.976912
3	hcs105b01			0.528012	0.757133	11.1186	11.0179	1.07224
5	hcs105b01			0.197734	-1.90057	10.6745	10.9048	-1.17308
7	hcs105b01			0.943468	0.0800767	10.4109	10.4073	1.0025
1	hcs105b02	57396	CLK4	0.72469	0.404999	10.1236	10.2358	0.925152
3	hcs105b02	57396	CLK4	0.0206579	-6.84929	10.5114	10.7558	-1.18455
5	hcs105b02	57396	CLK4	0.250672	-1.60029	10.3006	10.5386	-1.17938
7	hcs105b02	57396	CLK4	0.869252	-0.186506	9.7803	9.78748	-1.00499
1	hcs105b03	148203	ZNF738	0.84755	-0.218147	10.6847	10.6519	1.02297
3	hcs105b03	148203	ZNF738	0.557947	0.696951	11.1758	11.0247	1.11047
5	hcs105b03	148203	ZNF738	0.509939	-0.795067	10.8209	10.9126	-1.06563
7	hcs105b03	148203	ZNF738	0.266617	-1.52565	10.4818	10.5984	-1.08418
1	hcs105b04	55900	ZNF302	0.26381	1.53837	10.7052	10.9034	0.871637
3	hcs105b04	55900	ZNF302	0.355496	1.19208	10.9363	10.8735	1.04454
5	hcs105b04	55900	ZNF302	0.781117	0.317241	10.6815	10.6527	1.02019
7	hcs105b04	55900	ZNF302	0.648583	-0.530836	10.4552	10.4923	-1.02605
1	hcs105b05	56986	DTWD1	0.24836	1.61162	9.88428	10.1065	0.857251
3	hcs105b05	56986	DTWD1	0.629307	0.564454	10.7134	10.6083	1.07556
5	hcs105b05	56986	DTWD1	0.237722	-1.66554	10.2046	10.3539	-1.10901
7	hcs105b05	56986	DTWD1	0.947482	0.0743747	9.98947	9.97971	1.00679
1	hcs105b06	54985	HCFC1R1	0.473695	0.875351	11.3073	11.4436	0.909871
3	hcs105b06	54985	HCFC1R1	0.526337	0.760596	11.8351	11.7535	1.05814
5	hcs105b06	54985	HCFC1R1	0.0922135	-3.06081	11.5021	11.6513	-1.10901
7	hcs105b06	54985	HCFC1R1	0.931898	0.0965354	11.3045	11.2954	1.00635
1	hcs105b07	?	?	0.213472	1.80117	10.7514	10.8896	0.908631
3	hcs105b07	?	?	0.987249	-0.0180342	11.122	11.1228	-1.00055
5	hcs105b07	?	?	0.861963	-0.1971	10.7247	10.7443	-1.0137
7	hcs105b07	?	?	0.965276	-0.0491373	10.4225	10.4291	-1.00461
1	hcs105b08	50484	RRM2B	0.738108	-0.383766	10.3836	10.3604	1.01619
3	hcs105b08	50484	RRM2B	0.702496	0.440689	10.8078	10.7475	1.04266

5	hcs105b08	50484	RRM2B	0.109466	2.76843	10.2241	10.1006	1.08942
7	hcs105b08	50484	RRM2B	0.784116	-0.31268	9.91301	10.0065	-1.06698
1	hcs105b09	26060	APPL1	0.332772	1.26683	9.7585	9.81785	0.959699
3	hcs105b09	26060	APPL1	0.0739137	-3.47109	9.95302	10.1416	-1.13963
5	hcs105b09	26060	APPL1	0.745737	0.371802	9.82566	9.78957	1.02533
7	hcs105b09	26060	APPL1	0.379895	-1.11783	9.55346	9.6411	-1.06263
1	hcs105b10	4214	MAP3K1	0.317249	1.3215	10.6946	10.7814	0.941587
3	hcs105b10	4214	MAP3K1	0.303852	-1.37137	10.9501	11.0396	-1.06405
5	hcs105b10	4214	MAP3K1	0.205984	-1.8472	10.6446	10.7286	-1.0599
7	hcs105b10	4214	MAP3K1	0.561718	0.689584	10.4871	10.3777	1.07883
1	hcs105b11			0.932626	-0.0954976	10.254	10.2491	1.0034
3	hcs105b11			0.57183	-0.67005	10.2264	10.3699	-1.10459
5	hcs105b11			0.842904	0.224961	10.1784	10.1523	1.01829
7	hcs105b11			0.669724	0.494849	9.79395	9.73715	1.04015
1	hcs105b12	85313	PPIL4	0.0161848	-7.7647	10.0311	9.95776	1.05215
3	hcs105b12	85313	PPIL4	0.0138711	-8.40212	10.036	10.2529	-1.16224
5	hcs105b12	85313	PPIL4	0.0389499	-4.91772	9.72459	9.84705	-1.08859
7	hcs105b12	85313	PPIL4	0.524084	-0.765269	9.56541	9.67096	-1.0759
1	hcs105c01	200162	SPAG17	0.295899	1.40227	10.173	10.4177	0.844011
3	hcs105c01	200162	SPAG17	0.689637	-0.46172	10.381	10.4661	-1.06078
5	hcs105c01	200162	SPAG17	0.469328	-0.885446	9.98236	10.0812	-1.07091
7	hcs105c01	200162	SPAG17	0.250273	-1.60223	9.96794	10.0326	-1.04587
1	hcs105c02			0.707333	0.432847	10.2545	10.3727	0.921315
3	hcs105c02			0.912708	-0.123922	10.3462	10.3719	-1.01802
5	hcs105c02			0.377258	-1.12559	10.3281	10.4399	-1.08055
7	hcs105c02			0.125529	2.54947	10.1168	10.0181	1.07082
1	hcs105c03	644873	FLJ33630	0.689028	0.462724	10.2366	10.3414	0.929904
3	hcs105c03	644873	FLJ33630	0.874416	0.17902	10.4407	10.4043	1.02558
5	hcs105c03	644873	FLJ33630	0.0374806	-5.01897	9.77187	9.98419	-1.15855
7	hcs105c03	644873	FLJ33630	0.359942	-1.17812	9.69886	9.83866	-1.10175
1	hcs105c04	9076	CLDN1	0.521497	0.77066	10.337	10.4609	0.917682
3	hcs105c04	9076	CLDN1	0.918888	-0.115089	10.7954	10.8073	-1.00831
5	hcs105c04	9076	CLDN1	0.92549	-0.105667	10.5971	10.6102	-1.00915
7	hcs105c04	9076	CLDN1	0.615316	0.589379	10.4469	10.3601	1.06196
1	hcs105c05	59286	UBL5	0.721346	0.410329	11.4698	11.5632	0.937333
3	hcs105c05	59286	UBL5	0.145836	2.323	11.9593	11.6942	1.20175
5	hcs105c05	59286	UBL5	0.392338	-1.08206	11.5628	11.6164	-1.03783
7	hcs105c05	59286	UBL5	0.56998	0.673601	11.576	11.5534	1.01579
1	hcs105c06	170622	COMMD6	0.118523	2.63982	11.22	11.4839	0.832814
3	hcs105c06	170622	COMMD6	0.19696	1.90572	11.4657	11.3461	1.08643
5	hcs105c06	170622	COMMD6	0.927405	0.102936	11.2278	11.2175	1.00721
7	hcs105c06	170622	COMMD6	0.981756	0.0258049	11.0689	11.0682	1.00051
3	hcs105c08	91298	C12orf29	0.652618	0.523899	11.2956	11.2034	1.06595
5	hcs105c08	91298	C12orf29	0.062041	3.82549	11.764	11.3928	1.29343
7	hcs105c08	91298	C12orf29	0.0401484	4.8392	11.5279	11.0619	1.38121
1	hcs105c09			0.367766	1.15403	10.2034	10.3378	0.911059
3	hcs105c09			0.11628	-2.67035	10.4111	10.5944	-1.1355

5	hcs105c09			0.882498	-0.167332	10.1968	10.2136	-1.01171
7	hcs105c09			0.30137	-1.3809	10.0518	10.1282	-1.05439
1	hcs105c10	?	?	0.283995	1.45049	10.7313	10.9038	0.887324
3	hcs105c10	?	?	0.332508	-1.26773	11.0124	11.1116	-1.0712
5	hcs105c10	?	?	0.290455	-1.42402	10.7682	10.8419	-1.05241
7	hcs105c10	?	?	0.27155	-1.5037	10.6329	10.6699	-1.02593
1	hcs105c11	?	?	0.592451	0.631157	11.0887	11.1825	0.937051
3	hcs105c11	?	?	0.480058	-0.860814	11.2209	11.3037	-1.0591
5	hcs105c11	?	?	0.218639	-1.77063	11.0806	11.1627	-1.05858
7	hcs105c11	?	?	0.793346	0.298701	11.0264	11.0131	1.00921
1	hcs105c12	221662	RBM24	0.401648	1.05612	9.81726	9.98982	0.887265
3	hcs105c12	221662	RBM24	0.244646	-1.6301	9.75165	10.0504	-1.23004
5	hcs105c12	221662	RBM24	0.964599	0.0500954	9.63922	9.62949	1.00677
7	hcs105c12	221662	RBM24	0.0816099	3.28248	9.76324	9.61644	1.10711
5	hcs105d01			0.351547	1.20466	10.2419	10.0056	1.17801
1	hcs105d02	738	C11orf2	0.539211	0.734249	11.0282	11.103	0.949496
3	hcs105d02	738	C11orf2	0.560633	-0.6917	11.2848	11.3364	-1.03639
5	hcs105d02	738	C11orf2	0.0227816	-6.51159	10.9973	11.0757	-1.05585
7	hcs105d02	738	C11orf2	0.604793	0.608438	10.6237	10.5849	1.02724
1	hcs105d03	94134	ARHGAP12	0.531517	0.749922	10.7866	10.8016	0.989679
3	hcs105d03	94134	ARHGAP12	0.520934	0.771837	11.222	11.0992	1.08882
5	hcs105d03	94134	ARHGAP12	0.895551	-0.148525	11.001	11.0209	-1.01389
7	hcs105d03	94134	ARHGAP12	0.478791	-0.863693	10.4386	10.4748	-1.02546
1	hcs105d05	26135	SERBP1	0.542677	0.727259	10.6069	10.6812	0.949825
3	hcs105d05	26135	SERBP1	0.412914	1.02562	11.1599	11.1524	1.00524
5	hcs105d05	26135	SERBP1	0.435258	-0.967766	10.467	10.5574	-1.06467
7	hcs105d05	26135	SERBP1	0.208939	-1.82877	10.3119	10.3546	-1.03002
1	hcs105d06	285203	C3orf64	0.648862	-0.530355	10.4881	10.475	1.00911
3	hcs105d06	285203	C3orf64	0.651331	-0.526109	10.6492	10.7202	-1.05047
5	hcs105d06	285203	C3orf64	0.0989962	-2.93725	10.3187	10.5514	-1.17504
7	hcs105d06	285203	C3orf64	0.337687	-1.25016	9.90869	9.99527	-1.06185
3	hcs105d07			0.906592	-0.132678	11.6968	11.7108	-1.00975
5	hcs105d07			0.270179	1.50975	10.7583	10.6409	1.08478
7	hcs105d07			0.482887	0.854414	10.5565	10.4257	1.09493
1	hcs105d08	6817	SULT1A1	0.349078	1.2126	10.875	10.9531	0.947304
3	hcs105d08	6817	SULT1A1	0.977667	-0.0315913	11.172	11.1746	-1.0018
5	hcs105d08	6817	SULT1A1	0.263493	-1.53982	10.9387	11.0645	-1.09111
7	hcs105d08	6817	SULT1A1	0.422509	1.00037	10.6864	10.5508	1.09855
1	hcs105d09	11190	CEP250	0.0024557	20.1424	10.4869	10.5665	0.946342
3	hcs105d09	11190	CEP250	0.758246	-0.352343	10.5928	10.6327	-1.028
5	hcs105d09	11190	CEP250	0.96772	-0.0456746	10.4705	10.4715	-1.00067
7	hcs105d09	11190	CEP250	0.855339	0.206756	10.1619	10.1448	1.01194
1	hcs105d10	7412	VCAM1	0.463413	0.899275	10.7846	10.8325	0.967321
3	hcs105d10	7412	VCAM1	0.0554373	-4.0685	10.9507	11.141	-1.141
5	hcs105d10	7412	VCAM1	0.680443	-0.476928	10.8857	10.9251	-1.02769
1	hcs105d11	?	?	0.456954	-0.91459	11.1019	11.0878	1.00982
3	hcs105d11	?	?	0.251412	-1.59669	11.1967	11.3838	-1.13853

5	hcs105d11	?	?	0.770362	0.333674	11.0697	11.04	1.02078
7	hcs105d11	?	?	0.784311	0.312383	10.8896	10.8489	1.02859
1	hcs105d12	10324	KBTBD10	0.881369	0.168963	11.8177	11.8564	0.97351
3	hcs105d12	10324	KBTBD10	0.417601	-1.0132	11.7358	11.8234	-1.06258
5	hcs105d12	10324	KBTBD10	0.0741179	3.46573	11.8184	11.4531	1.28815
7	hcs105d12	10324	KBTBD10	0.0443683	4.58802	11.7816	11.3015	1.39487
1	hcs105e01	84661	DPY30	0.58731	0.640741	9.982	10.1486	0.890913
3	hcs105e01	84661	DPY30	0.950746	-0.0697404	10.1097	10.1254	-1.011
5	hcs105e01	84661	DPY30	0.275528	-1.48636	9.94539	10.0789	-1.09697
7	hcs105e01	84661	DPY30	0.430744	0.979189	9.84752	9.79594	1.0364
1	hcs105e02	81875	ISG20L2	0.686561	0.466791	10.4536	10.5461	0.937875
3	hcs105e02	81875	ISG20L2	0.857855	-0.203085	10.6805	10.7001	-1.01373
5	hcs105e02	81875	ISG20L2	0.212698	-1.80582	10.5659	10.7499	-1.13603
7	hcs105e02	81875	ISG20L2	0.809533	0.274384	10.2221	10.1968	1.01771
1	hcs105e03	1654	DDX3X	0.859702	0.200393	10.7609	10.8158	0.962684
3	hcs105e03	1654	DDX3X	0.477807	0.865934	11.2895	11.1294	1.11736
5	hcs105e03	1654	DDX3X	0.562811	-0.687458	10.6587	10.7232	-1.04575
7	hcs105e03	1654	DDX3X	0.538476	0.735738	10.5191	10.4803	1.02726
1	hcs105e04	?	?	0.933352	0.0944649	10.7813	10.7917	0.99284
3	hcs105e04	?	?	0.989517	-0.0148257	10.8679	10.8697	-1.00125
5	hcs105e04	?	?	0.357976	-1.18427	10.8504	10.9482	-1.07017
7	hcs105e04	?	?	0.680049	0.477583	10.5191	10.4448	1.05285
1	hcs105e05	137735	ABRA	0.389845	1.08912	10.2178	10.2801	0.957756
3	hcs105e05	137735	ABRA	0.810875	-0.272378	10.1779	10.2048	-1.01886
5	hcs105e05	137735	ABRA	0.265184	-1.53212	9.91558	10.0692	-1.11235
7	hcs105e05	137735	ABRA	0.560994	-0.690995	9.85654	9.94292	-1.0617
1	hcs105e07	2790	GNG10	0.841653	-0.226798	10.3114	10.2792	1.02257
3	hcs105e07	2790	GNG10	0.724974	0.404546	10.7651	10.7297	1.02484
5	hcs105e07	2790	GNG10	0.977307	0.0321015	10.3215	10.3197	1.0012
7	hcs105e07	2790	GNG10	0.578889	-0.656598	10.0249	10.0616	-1.02575
1	hcs105e08	55000	TUG1	0.78639	-0.309227	10.4619	10.4489	1.00907
3	hcs105e08	55000	TUG1	0.480659	0.859452	10.8255	10.7441	1.05807
5	hcs105e08	55000	TUG1	0.0920076	3.06476	10.7092	10.5936	1.08345
7	hcs105e08	55000	TUG1	0.554544	0.703639	10.2301	10.1676	1.04422
1	hcs105e09	?	?	0.828328	0.246439	10.4864	10.5228	0.975085
3	hcs105e09	?	?	0.829472	-0.244748	10.7545	10.7664	-1.00831
5	hcs105e09	?	?	0.547903	0.716798	10.5332	10.4297	1.07438
7	hcs105e09	?	?	0.727575	0.400411	10.2474	10.2261	1.0149
1	hcs105e10	988	CDC5L	0.632901	0.558123	10.3827	10.4327	0.965914
3	hcs105e10	988	CDC5L	0.509649	0.795687	10.8542	10.7383	1.08368
5	hcs105e10	988	CDC5L	0.0045365	-14.7964	10.3334	10.4466	-1.08162
7	hcs105e10	988	CDC5L	0.605756	-0.606683	10.0693	10.0796	-1.00717
1	hcs105e12			0.785011	0.311321	10.0238	10.0704	0.968209
3	hcs105e12			0.255826	-1.57551	10.0704	10.2611	-1.1413
5	hcs105e12			0.849689	0.215015	10.0165	9.98935	1.01896
7	hcs105e12			0.618994	0.582781	9.83562	9.77622	1.04203
1	hcs105f01	8780	RIOK3	0.351526	1.20472	10.0927	10.1862	0.937242

3	hcs105f01	8780	RIOK3	0.765622	-0.340958	10.5571	10.6095	-1.03695
5	hcs105f01	8780	RIOK3	0.252915	-1.58943	10.3101	10.6494	-1.26514
7	hcs105f01	8780	RIOK3	0.942697	0.0811728	9.8524	9.843	1.00653
1	hcs105f02	23312	DMXL2	0.594151	0.628004	10.6227	10.7546	0.912608
3	hcs105f02	23312	DMXL2	0.808423	-0.276044	10.7216	10.7308	-1.0064
5	hcs105f02	23312	DMXL2	0.520547	0.772646	10.8586	10.7978	1.04304
7	hcs105f02	23312	DMXL2	0.890288	0.156099	10.4149	10.396	1.01319
1	hcs105f03	440574	C1orf151	0.294762	1.40677	11.0213	11.2018	0.882377
3	hcs105f03	440574	C1orf151	0.445121	-0.943247	11.4971	11.6741	-1.13053
5	hcs105f03	440574	C1orf151	0.993638	0.0089971	11.2296	11.2284	1.00081
7	hcs105f03	440574	C1orf151	0.225847	1.72957	10.9392	10.8861	1.03749
1	hcs105f04	22836	RHOBTB3	0.390692	1.08671	10.592	10.6948	0.931245
3	hcs105f04	22836	RHOBTB3	0.82512	-0.251188	10.8523	10.9027	-1.03558
5	hcs105f04	22836	RHOBTB3	0.347926	-1.21634	10.5821	10.6507	-1.04872
7	hcs105f04	22836	RHOBTB3	0.940488	0.0843125	10.2517	10.2396	1.00842
1	hcs105f05	118924	FRA10AC1	0.646881	-0.533773	11.2795	11.252	1.01927
3	hcs105f05	118924	FRA10AC1	0.0163125	7.73349	11.4409	11.296	1.10565
5	hcs105f05	118924	FRA10AC1	0.133309	2.45704	11.191	11.0531	1.10033
7	hcs105f05	118924	FRA10AC1	0.520755	0.772211	10.8469	10.722	1.09046
1	hcs105f06	6170	RPL39	0.34438	1.22791	11.9461	12.0569	0.926053
3	hcs105f06	6170	RPL39	0.510906	0.793006	12.043	11.9969	1.03245
5	hcs105f06	6170	RPL39	0.342871	-1.23288	11.7564	11.8441	-1.06272
7	hcs105f06	6170	RPL39	0.583425	-0.648031	11.4394	11.511	-1.05091
1	hcs105f07	6917	TCEA1	0.455238	0.918695	11.0488	11.1272	0.947107
3	hcs105f07	6917	TCEA1	0.548929	0.714755	11.4036	11.3207	1.05912
5	hcs105f07	6917	TCEA1	0.570075	0.673418	11.1327	11.0558	1.05472
7	hcs105f07	6917	TCEA1	0.643914	0.538906	10.9489	10.8299	1.08596
1	hcs105f09	51649	MRPS23	0.551389	0.709871	10.0662	10.0919	0.982358
3	hcs105f09	51649	MRPS23	0.377821	-1.12393	10.2813	10.4935	-1.15845
5	hcs105f09	51649	MRPS23	0.723818	0.406387	10.3013	10.2531	1.03403
7	hcs105f09	51649	MRPS23	0.281276	1.46187	9.92182	9.80232	1.08635
1	hcs105f10	3176	HNMT	0.788144	-0.306569	10.9004	10.8647	1.02505
3	hcs105f10	3176	HNMT	0.257194	-1.56904	10.8993	11.007	-1.07753
5	hcs105f10	3176	HNMT	0.271063	-1.50585	10.7393	10.7818	-1.02994
7	hcs105f10	3176	HNMT	0.539633	-0.733397	10.4578	10.5387	-1.05763
1	hcs105f11	54386	TERF2IP	0.325911	1.2906	11.7764	11.9706	0.874057
5	hcs105f11	54386	TERF2IP	0.154217	2.2419	11.7485	11.5604	1.13932
7	hcs105f11	54386	TERF2IP	0.00963271	10.1151	11.4883	11.268	1.165
1	hcs105f12	10010	TANK	0.667454	-0.498672	10.3369	10.321	1.01106
3	hcs105f12	10010	TANK	0.303458	-1.37287	10.1979	10.4441	-1.18607
5	hcs105f12	10010	TANK	0.57008	-0.673409	10.212	10.2683	-1.03984
7	hcs105f12	10010	TANK	0.475564	0.87106	10.0089	9.93845	1.05002
1	hcs105g01			0.631432	0.560707	10.2119	10.3525	0.907133
5	hcs105g01			0.637685	-0.549743	10.3169	10.3804	-1.04499
7	hcs105g01			0.245215	1.62724	10.3131	10.1818	1.09533
1	hcs105g02	83930	STARD3NL	0.770297	0.333775	10.9531	11.0168	0.956829
3	hcs105g02	83930	STARD3NL	0.288228	1.43306	11.2307	11.02	1.15728

5	hcs105g02	83930	STARD3NL	0.0620805	-3.82415	10.8464	11.0583	-1.15824
7	hcs105g02	83930	STARD3NL	0.985467	0.0205551	10.7415	10.7402	1.00086
1	hcs105g03	8528	DDO	0.463305	0.899529	10.4278	10.6104	0.881134
3	hcs105g03	8528	DDO	0.499711	0.817126	10.9158	10.6903	1.16913
5	hcs105g03	8528	DDO	0.117842	-2.649	10.8197	10.9641	-1.10527
7	hcs105g03	8528	DDO	0.628145	-0.566507	10.431	10.4732	-1.02964
3	hcs105g04	89874	SLC25A21	0.523197	-0.767114	11.3717	11.4009	-1.02049
5	hcs105g04	89874	SLC25A21	0.0778479	3.37132	11.1635	10.9452	1.16342
7	hcs105g04	89874	SLC25A21	0.135939	2.42749	11.0501	10.816	1.17617
1	hcs105g05	131118	DNAJC19	0.212489	1.80709	11.0204	11.2064	0.87904
3	hcs105g05	131118	DNAJC19	0.699483	0.445592	11.5977	11.5638	1.0238
5	hcs105g05	131118	DNAJC19	0.0926703	-3.05209	11.2379	11.4673	-1.17235
7	hcs105g05	131118	DNAJC19	0.79554	-0.29539	10.9412	10.9565	-1.01066
1	hcs105g06			0.896573	0.147056	11.0989	11.1314	0.977702
3	hcs105g06			0.445974	0.941155	11.6169	11.4992	1.08498
5	hcs105g06			0.335824	-1.25644	10.9451	11.072	-1.09197
7	hcs105g06			0.0903217	-3.09761	10.7168	10.7994	-1.05895
1	hcs105g07	347240	KIF24	0.539039	0.734599	11.7394	11.854	0.923617
3	hcs105g07	347240	KIF24	0.309091	1.35155	11.9882	11.8797	1.07808
5	hcs105g07	347240	KIF24	0.0939342	3.02826	11.7997	11.5718	1.17113
7	hcs105g07	347240	KIF24	0.0266662	6.00062	11.6539	11.4013	1.19132
1	hcs105g08	?	?	0.657864	-0.514929	10.8136	10.7382	1.05365
3	hcs105g08	?	?	0.337749	1.24995	11.077	11.0084	1.0487
5	hcs105g08	?	?	0.195536	-1.91529	10.7344	10.8931	-1.11628
7	hcs105g08	?	?	0.367519	-1.15478	10.5926	10.6399	-1.03328
1	hcs105g09	54968	TMEM70	0.737817	0.384224	10.4423	10.4872	0.969335
3	hcs105g09	54968	TMEM70	0.580176	-0.654162	10.93	10.9438	-1.00959
5	hcs105g09	54968	TMEM70	0.428286	-0.985463	10.4056	10.5503	-1.1055
7	hcs105g09	54968	TMEM70	0.125565	-2.54902	10.2074	10.3015	-1.06742
1	hcs105g10	5771	PTPN2	0.947047	-0.0749917	10.3384	10.3302	1.00568
3	hcs105g10	5771	PTPN2	0.506851	0.80168	10.4316	10.3424	1.06373
5	hcs105g10	5771	PTPN2	0.256679	-1.57148	10.2987	10.3748	-1.05419
7	hcs105g10	5771	PTPN2	0.5433	-0.726007	10.1417	10.17	-1.01981
1	hcs105g11	?	?	0.941441	-0.0829575	10.6605	10.649	1.008
3	hcs105g11	?	?	0.408797	-1.03666	10.7149	10.732	-1.01197
5	hcs105g11	?	?	0.521139	-0.771408	10.4518	10.5356	-1.05983
7	hcs105g11	?	?	0.460862	-0.905295	10.3105	10.4186	-1.07783
1	hcs105g12	1027	CDKN1B	0.407705	1.0396	10.4654	10.703	0.848175
3	hcs105g12	1027	CDKN1B	0.855896	-0.205943	10.5302	10.5767	-1.0328
5	hcs105g12	1027	CDKN1B	0.520868	0.771975	10.4531	10.33	1.08905
7	hcs105g12	1027	CDKN1B	0.113286	2.71242	10.3934	10.3599	1.02352
1	hcs105h01	?	?	0.666008	-0.501112	10.0147	9.95022	1.04571
3	hcs105h01	?	?	0.293705	1.41097	10.8974	10.7487	1.10854
5	hcs105h01	?	?	0.929701	0.0996644	10.4431	10.4122	1.02167
1	hcs105h02	1948	EFNB2	0.256422	1.57269	10.8494	11.1315	0.822374
3	hcs105h02	1948	EFNB2	0.858322	-0.202405	11.3891	11.4073	-1.01272
5	hcs105h02	1948	EFNB2	0.454354	-0.920818	11.1359	11.2464	-1.07965



7	hcs105h02	1948	EFNB2	0.406678	-1.04239	10.6807	10.7547	-1.05258
1	hcs105h03			0.329368	1.27855	11.0472	11.2248	0.884173
3	hcs105h03			0.792295	0.300288	11.5634	11.5181	1.03187
5	hcs105h03			0.335946	-1.25603	11.1127	11.2157	-1.074
7	hcs105h03			0.193619	-1.92831	10.7072	10.8177	-1.0796
1	hcs105h04	79804	NBLA003010	0.752576	0.361139	11.012	11.0664	0.962973
3	hcs105h04	79804	NBLA003010	0.289451	-1.42808	11.3117	11.5048	-1.14316
5	hcs105h04	79804	NBLA003010	0.551392	-0.709867	11.28	11.3749	-1.06797
7	hcs105h04	79804	NBLA003010	0.080608	-3.30556	10.4981	10.5639	-1.04667
1	hcs105h05	26031	OSBPL3	0.139063	2.3934	10.1309	10.4223	0.81713
3	hcs105h05	26031	OSBPL3	0.574118	-0.665675	10.387	10.5026	-1.08344
5	hcs105h05	26031	OSBPL3	0.795374	0.29564	10.3254	10.2777	1.03361
7	hcs105h05	26031	OSBPL3	0.678651	0.47991	9.93755	9.83006	1.07735
1	hcs105h06	5350	PLN	0.390036	1.08858	11.5349	11.633	0.934241
3	hcs105h06	5350	PLN	0.933317	0.0945141	11.9497	11.9486	1.00079
5	hcs105h06	5350	PLN	0.0279633	-5.8539	11.5131	11.5732	-1.04256
7	hcs105h06	5350	PLN	0.342829	1.23302	11.3287	11.2666	1.04398
1	hcs105h07			0.272198	1.50085	10.7837	10.9846	0.870028
3	hcs105h07			0.942982	-0.0807665	11.061	11.0684	-1.00514
5	hcs105h07			0.0530597	4.16657	11.095	10.863	1.17443
7	hcs105h07			0.354914	1.19392	10.7545	10.5777	1.13032
1	hcs105h08	51255	RNF181	0.504119	0.807566	10.9262	11.0606	0.911048
3	hcs105h08	51255	RNF181	0.0119346	9.07154	11.3511	11.2809	1.04989
5	hcs105h08	51255	RNF181	0.948846	0.0724379	11.1682	11.1645	1.00252
7	hcs105h08	51255	RNF181	0.44958	0.932354	10.8535	10.7416	1.0807
1	hcs105h10	10153	CEBPZ	0.655557	0.518867	10.6233	10.7051	0.944878
3	hcs105h10	10153	CEBPZ	0.195484	-1.91564	10.549	10.7949	-1.18586
5	hcs105h10	10153	CEBPZ	0.290197	-1.42506	10.3666	10.5064	-1.1017
7	hcs105h10	10153	CEBPZ	0.899218	-0.143257	10.3994	10.4169	-1.01223
1	hcs105h11	2013	EMP2	0.427179	-0.988301	10.3863	10.3342	1.03675
3	hcs105h11	2013	EMP2	0.489885	-0.838747	10.2464	10.4826	-1.17785
5	hcs105h11	2013	EMP2	0.614338	0.591138	10.4072	10.3596	1.03354
7	hcs105h11	2013	EMP2	0.48509	0.849458	9.99461	9.80967	1.13677
1	hcs105h12			0.155082	2.23389	10.5929	10.8107	0.859875
3	hcs105h12			0.526336	-0.760598	10.6775	10.8399	-1.11915
5	hcs105h12			0.905711	0.133942	10.6183	10.6048	1.00945
7	hcs105h12			0.887968	0.159441	10.4969	10.491	1.0041
1	hcs106a01	84991	RBM17	0.834317	-0.237596	11.2192	11.1432	1.05411
3	hcs106a01	84991	RBM17	0.111531	2.73782	11.2002	10.7752	1.34252
5	hcs106a01	84991	RBM17	0.275547	1.48628	11.3702	11.0125	1.28141
7	hcs106a01	84991	RBM17	0.0004565	46.7876	10.8661	10.5019	1.2871
1	hcs106a02	51163	DBR1	0.855318	0.206787	10.3629	10.421	0.96052
3	hcs106a02	51163	DBR1	0.965994	0.0481192	10.4691	10.4618	1.00507
5	hcs106a02	51163	DBR1	0.52964	-0.753778	10.3754	10.473	-1.06997
7	hcs106a02	51163	DBR1	0.569222	-0.675059	9.96088	10.0285	-1.04795
1	hcs106a03	5270	SERPINE2	0.695056	0.452823	10.87	10.9948	0.91711
3	hcs106a03	5270	SERPINE2	0.779842	0.319182	10.8932	10.8205	1.05171

5	hcs106a03	5270	SERPINE2	0.720269	-0.41205	11.0533	11.1028	-1.03493
7	hcs106a03	5270	SERPINE2	0.38696	1.09736	10.6486	10.5578	1.06496
1	hcs106a04	51122	COMMD2	0.44835	-0.935349	12.0154	11.7642	1.19017
3	hcs106a04	51122	COMMD2	0.159214	2.19638	11.8186	11.6014	1.16245
5	hcs106a04	51122	COMMD2	0.282193	1.45801	12.0519	11.5619	1.40448
7	hcs106a04	51122	COMMD2	0.071612	3.53309	11.7382	11.3805	1.28138
1	hcs106a05	23456	ABCB10	0.172619	2.08335	11.9568	12.2425	0.820343
3	hcs106a05	23456	ABCB10	0.220144	1.76191	12.0719	11.744	1.25521
5	hcs106a05	23456	ABCB10	0.267077	1.52358	12.0354	11.5941	1.35789
7	hcs106a05	23456	ABCB10	0.0457534	4.51309	12.2006	11.8276	1.29501
1	hcs106a06	23333	DPY19L1	0.175343	2.06183	10.989	11.3041	0.803777
3	hcs106a06	23333	DPY19L1	0.975201	-0.0350822	11.1674	11.1728	-1.00377
5	hcs106a06	23333	DPY19L1	0.594201	-0.62791	10.9285	11.0174	-1.06353
7	hcs106a06	23333	DPY19L1	0.84108	0.227639	10.7523	10.7306	1.01515
1	hcs106a07	3376	IARS	0.532379	0.748154	12.1596	12.331	0.88796
3	hcs106a07	3376	IARS	0.396531	1.07029	12.1447	12.0148	1.09422
5	hcs106a07	3376	IARS	0.0490002	4.34978	12.4077	11.8334	1.48902
7	hcs106a07	3376	IARS	0.0107245	9.57848	12.2989	11.7011	1.51344
1	hcs106a09	28981	IFT81	0.0506108	4.27453	10.2147	10.5504	0.7924
3	hcs106a09	28981	IFT81	0.249818	-1.60446	10.5906	10.7175	-1.09197
5	hcs106a09	28981	IFT81	0.894785	-0.149627	10.4427	10.4685	-1.01809
7	hcs106a09	28981	IFT81	0.162548	-2.16709	10.0857	10.2451	-1.11685
1	hcs106a10			0.167029	2.12898	10.0164	10.2123	0.873026
3	hcs106a10			0.272288	-1.50046	10.2578	10.4502	-1.14269
5	hcs106a10			0.646667	-0.534141	9.89636	9.9875	-1.06521
7	hcs106a10			0.852622	0.210725	9.88792	9.86703	1.01458
1	hcs106a11	114899	C1QTNF3	0.480292	0.860283	10.512	10.5619	0.965981
3	hcs106a11	114899	C1QTNF3	0.749766	-0.365514	10.6193	10.6959	-1.05451
5	hcs106a11	114899	C1QTNF3	0.927818	0.102348	10.5038	10.4872	1.01162
7	hcs106a11	114899	C1QTNF3	0.961339	-0.0547152	10.3485	10.3496	-1.00079
1	hcs106a12	261729	STEAP2	0.256099	1.57422	10.613	10.7398	0.91584
3	hcs106a12	261729	STEAP2	0.961707	-0.0541938	10.6951	10.7024	-1.0051
5	hcs106a12	261729	STEAP2	0.782795	-0.314688	10.4473	10.5089	-1.04367
7	hcs106a12	261729	STEAP2	0.469421	0.885231	10.5309	10.5055	1.01776
1	hcs106b01	55664	CDC37L1	0.934584	-0.0927105	9.76159	9.73125	1.02125
3	hcs106b01	55664	CDC37L1	0.201456	-1.87613	9.98515	10.2038	-1.16363
5	hcs106b01	55664	CDC37L1	0.206847	-1.84178	9.84228	10.1423	-1.23117
7	hcs106b01	55664	CDC37L1	0.648667	0.530691	9.71483	9.65021	1.04581
1	hcs106b02			0.49513	0.827153	10.6887	10.8063	0.921698
3	hcs106b02			0.204675	-1.85548	10.9585	11.0525	-1.0673
5	hcs106b02			0.394971	-1.07465	10.585	10.6573	-1.05137
7	hcs106b02			0.394938	1.07474	10.3503	10.2385	1.08058
1	hcs106b03	?	?	0.814605	0.266813	10.4933	10.5265	0.977228
3	hcs106b03	?	?	0.806685	0.278645	10.9892	10.959	1.0212
5	hcs106b03	?	?	0.476744	-0.868361	10.4298	10.4688	-1.02743
7	hcs106b03	?	?	0.342106	-1.23541	10.2783	10.3135	-1.02475
1	hcs106b04	79031	PDCL3	0.274581	1.49046	10.9281	11.1664	0.847763

5	hcs106b04	79031	PDCL3	0.460795	0.905455	10.8539	10.7988	1.03896
7	hcs106b04	79031	PDCL3	0.771572	0.331819	10.7415	10.7061	1.02484
1	hcs106b05	8813	DPM1	0.400255	1.05996	10.256	10.3853	0.914307
3	hcs106b05	8813	DPM1	0.0507965	4.26608	10.9405	10.8121	1.0931
5	hcs106b05	8813	DPM1	0.0278556	-5.8657	10.6188	10.8068	-1.13916
7	hcs106b05	8813	DPM1	0.253595	-1.58616	10.0858	10.2136	-1.09265
1	hcs106b06	132321	C4orf33	0.11187	2.73286	10.3539	10.5546	0.870108
3	hcs106b06	132321	C4orf33	0.0740925	-3.46639	10.6697	10.8603	-1.14124
5	hcs106b06	132321	C4orf33	0.029436	-5.69907	10.2803	10.4773	-1.1463
7	hcs106b06	132321	C4orf33	0.542262	-0.728095	9.94079	10.015	-1.0528
1	hcs106b07	51277	DNAJC27	0.359792	1.17859	10.3268	10.4184	0.938501
3	hcs106b07	51277	DNAJC27	0.512993	-0.788566	10.5213	10.5443	-1.01603
5	hcs106b07	51277	DNAJC27	0.609247	-0.600338	10.2069	10.2396	-1.02297
7	hcs106b07	51277	DNAJC27	0.746964	-0.369884	9.91736	9.96414	-1.03296
1	hcs106b08			0.912052	-0.124861	10.5247	10.5094	1.01066
3	hcs106b08			0.918481	-0.115671	10.9283	10.9328	-1.00312
5	hcs106b08			0.724689	0.404999	10.6563	10.6149	1.02909
7	hcs106b08			0.32012	1.31115	10.2778	10.1957	1.05855
1	hcs106b09	?	?	0.28223	1.45786	10.5539	10.6495	0.935861
3	hcs106b09	?	?	0.237004	-1.6693	10.6531	10.7345	-1.05804
5	hcs106b09	?	?	0.501088	-0.814131	10.4644	10.5133	-1.03448
7	hcs106b09	?	?	0.942771	-0.0810665	10.2304	10.2374	-1.00489
1	hcs106b10	6093	ROCK1	0.156381	-2.22195	9.89901	9.77479	1.08992
5	hcs106b10	6093	ROCK1	0.220379	-1.76055	9.67364	9.77384	-1.07192
7	hcs106b10	6093	ROCK1	0.644929	0.537147	9.60842	9.56776	1.02859
1	hcs106b12	?	?	0.46214	-0.902276	10.48	10.4178	1.04406
3	hcs106b12	?	?	0.735505	-0.387866	10.4187	10.5096	-1.06503
5	hcs106b12	?	?	0.566426	-0.68045	10.4128	10.4537	-1.02873
7	hcs106b12	?	?	0.420664	1.00517	10.2353	10.089	1.10669
1	hcs106c01	10972	TMED10	0.416434	1.01628	9.96889	10.1306	0.893996
3	hcs106c01	10972	TMED10	0.255831	-1.57549	10.1533	10.3738	-1.16513
5	hcs106c01	10972	TMED10	0.0206286	-6.85431	9.70867	9.83433	-1.09101
7	hcs106c01	10972	TMED10	0.876194	-0.176445	9.64058	9.66311	-1.01574
1	hcs106c02	80145	THOC7	0.783756	0.313226	10.1736	10.2239	0.965713
3	hcs106c02	80145	THOC7	0.593202	-0.629762	10.3677	10.4871	-1.08632
5	hcs106c02	80145	THOC7	0.207493	-1.83775	10.2827	10.4344	-1.1109
7	hcs106c02	80145	THOC7	0.712329	0.424784	9.97749	9.96834	1.00636
1	hcs106c03	?	?	0.832545	-0.240209	10.4473	10.3926	1.03867
3	hcs106c03	?	?	0.61874	0.583236	10.6562	10.5191	1.09972
5	hcs106c03	?	?	0.168574	-2.11616	10.5646	10.653	-1.06317
7	hcs106c03	?	?	0.157546	-2.21136	9.872	10.0519	-1.13282
1	hcs106c04	?	?	0.569463	0.674596	10.8829	10.9563	0.950418
3	hcs106c04	?	?	0.527115	-0.758985	11.0828	11.1277	-1.03161
5	hcs106c04	?	?	0.187025	-1.97445	10.9965	11.2202	-1.16772
7	hcs106c04	?	?	0.0732334	-3.48912	10.526	10.6333	-1.07721
1	hcs106c05	56255	TMX4	0.487029	0.845114	10.3504	10.4556	0.929676
3	hcs106c05	56255	TMX4	0.405894	1.04451	10.7171	10.5689	1.10819

5	hcs106c05	56255	TMX4	0.27432	-1.4916	10.3492	10.5213	-1.1267
7	hcs106c05	56255	TMX4	0.478599	-0.86413	10.2165	10.3216	-1.07557
1	hcs106c06	4942	OAT	0.572985	0.66784	9.64885	9.77937	0.9135
3	hcs106c06	4942	OAT	0.690211	-0.460776	10.3462	10.4031	-1.04021
5	hcs106c06	4942	OAT	0.46717	0.89047	9.70868	9.59659	1.08079
7	hcs106c06	4942	OAT	0.0149198	-8.09499	9.51108	9.69416	-1.13531
1	hcs106c07	2990	GUSB	0.483317	0.853444	10.9532	11.0887	0.910354
3	hcs106c07	2990	GUSB	0.779847	-0.319175	11.3252	11.3716	-1.03266
5	hcs106c07	2990	GUSB	0.139251	-2.39137	11.0295	11.2206	-1.14169
7	hcs106c07	2990	GUSB	0.493022	0.831797	10.7744	10.7117	1.04447
1	hcs106c08	55717	WDR11	0.58726	-0.640834	10.2449	10.1975	1.03337
3	hcs106c08	55717	WDR11	0.966545	0.0473395	10.5924	10.5873	1.00354
5	hcs106c08	55717	WDR11	0.064294	3.75102	10.447	10.4164	1.02146
7	hcs106c08	55717	WDR11	0.190093	1.95272	10.03	9.99371	1.02544
1	hcs106c09	?	?	0.401244	1.05723	10.6664	10.8158	0.901626
3	hcs106c09	?	?	0.504932	-0.80581	10.9396	11.0051	-1.0464
5	hcs106c09	?	?	0.106401	-2.81541	10.8183	10.9021	-1.05981
7	hcs106c09	?	?	0.182333	-2.00864	10.4891	10.5424	-1.03761
1	hcs106c10			0.678087	0.48085	10.3171	10.3531	0.975356
3	hcs106c10			0.253983	-1.5843	10.5673	10.6817	-1.08252
5	hcs106c10			0.625922	-0.570441	10.3463	10.422	-1.0539
7	hcs106c10			0.275311	1.4873	10.1911	10.1187	1.05148
1	hcs106c11	?	?	0.992234	-0.0109833	10.2695	10.2681	1.00096
3	hcs106c11	?	?	0.254051	-1.58398	10.3656	10.6297	-1.20089
5	hcs106c11	?	?	0.331389	-1.27157	10.1983	10.3113	-1.0815
7	hcs106c11	?	?	0.157384	2.21283	10.0854	10.0345	1.03584
1	hcs106d01	92293	TMEM132C	0.762982	0.345026	9.78766	9.90161	0.924057
3	hcs106d01	92293	TMEM132C	0.0454397	-4.52977	9.98851	10.3589	-1.2927
5	hcs106d01	92293	TMEM132C	0.444368	0.945099	10.1435	10.0354	1.07776
3	hcs106d02	?	?	0.855674	-0.206268	9.80495	9.86881	-1.04526
1	hcs106d03	51187	RSL24D1	0.378478	1.12199	9.79042	10.2311	0.736786
3	hcs106d03	51187	RSL24D1	0.2777	-1.47704	10.4929	10.6954	-1.15066
5	hcs106d03	51187	RSL24D1	0.841234	0.227413	9.82777	9.81037	1.01214
7	hcs106d03	51187	RSL24D1	0.141341	2.3692	10.0827	9.93173	1.1103
1	hcs106d04	514	ATP5E	0.106532	2.81336	11.048	11.1262	0.947261
3	hcs106d04	514	ATP5E	0.60909	-0.600622	11.2636	11.3464	-1.0591
5	hcs106d04	514	ATP5E	0.140813	2.37476	11.2521	11.1071	1.10573
7	hcs106d04	514	ATP5E	0.918177	-0.116105	10.7241	10.7328	-1.00605
1	hcs106d05	8905	AP1S2	0.126833	2.53343	10.5537	10.7094	0.897676
3	hcs106d05	8905	AP1S2	0.673985	0.4877	11.0633	10.9913	1.05117
5	hcs106d05	8905	AP1S2	0.57839	-0.657545	10.7079	10.7922	-1.06017
7	hcs106d05	8905	AP1S2	0.907452	0.131447	10.5002	10.4818	1.01281
1	hcs106d06	6400	SEL1L	0.840873	0.227944	11.0702	11.0851	0.989702
3	hcs106d06	6400	SEL1L	0.1504	2.27807	11.258	11.1893	1.0488
5	hcs106d06	6400	SEL1L	0.264714	-1.53425	10.7509	10.8154	-1.0457
7	hcs106d06	6400	SEL1L	0.702608	0.440506	10.5831	10.5029	1.05714
1	hcs106d07	79762	C1orf115	0.413681	1.02358	11.0558	11.2089	0.899316

5	hcs106d07	79762	C1orf115	0.943859	-0.0795204	11.1603	11.1645	-1.00294
7	hcs106d07	79762	C1orf115	0.175505	2.06057	11.0422	10.844	1.14729
1	hcs106d08	64983	MRPL32	0.902141	0.139061	10.6194	10.6281	0.993964
3	hcs106d08	64983	MRPL32	0.402179	1.05466	10.945	10.9065	1.02707
5	hcs106d08	64983	MRPL32	0.230619	-1.70333	10.6201	10.7133	-1.06671
7	hcs106d08	64983	MRPL32	0.758111	-0.352552	10.2384	10.2719	-1.02354
1	hcs106d09	9358	ITGBL1	0.475864	0.870372	10.7775	10.8762	0.933874
3	hcs106d09	9358	ITGBL1	0.379464	-1.1191	11.1006	11.1791	-1.0559
5	hcs106d09	9358	ITGBL1	0.0891776	-3.1204	10.7431	10.8272	-1.06005
7	hcs106d09	9358	ITGBL1	0.530541	0.751926	10.5481	10.4736	1.05302
1	hcs106d10			0.219095	1.76798	9.8085	10.0166	0.865691
3	hcs106d10			0.0937035	-3.03258	10.165	10.3874	-1.16664
5	hcs106d10			0.490782	-0.836754	9.82021	9.89785	-1.05529
7	hcs106d10			0.830333	-0.243476	9.65563	9.68349	-1.0195
1	hcs106d11	23405	DICER1	0.7452	0.372642	10.2632	10.2741	0.992478
3	hcs106d11	23405	DICER1	0.307044	-1.35924	10.3278	10.5282	-1.14897
5	hcs106d11	23405	DICER1	0.105054	-2.83666	10.1144	10.2108	-1.06912
7	hcs106d11	23405	DICER1	0.662712	-0.506689	9.8852	9.95078	-1.0465
1	hcs106d12	10611	PDLIM5	0.253051	1.58877	10.8024	10.8935	0.938828
3	hcs106d12	10611	PDLIM5	0.346211	-1.22192	10.8496	11.0358	-1.13779
5	hcs106d12	10611	PDLIM5	0.114953	-2.68881	10.7235	10.8991	-1.12946
7	hcs106d12	10611	PDLIM5	0.636033	-0.552631	10.4703	10.5246	-1.03836
1	hcs106e01	?	?	0.468598	0.887142	10.9824	11.1679	0.879344
3	hcs106e01	?	?	0.988244	0.0166269	11.3519	11.3495	1.00164
5	hcs106e01	?	?	0.328279	-1.28233	10.994	11.1115	-1.08488
7	hcs106e01	?	?	0.2748	-1.48952	10.6502	10.8333	-1.13532
1	hcs106e02	57045	TWSG1	0.812384	0.270125	10.1706	10.2218	0.965102
3	hcs106e02	57045	TWSG1	0.826675	-0.248886	10.6821	10.6982	-1.01126
5	hcs106e02	57045	TWSG1	0.06761	-3.64804	10.2139	10.4997	-1.21908
7	hcs106e02	57045	TWSG1	0.658788	-0.513356	9.95038	9.99055	-1.02823
1	hcs106e03	7320	UBE2B	0.827752	0.247291	10.3716	10.4133	0.971532
3	hcs106e03	7320	UBE2B	0.771159	0.332451	10.9577	10.873	1.06052
5	hcs106e03	7320	UBE2B	0.625242	-0.571647	10.2059	10.2406	-1.02436
7	hcs106e03	7320	UBE2B	0.34348	-1.23087	10.1878	10.272	-1.0601
1	hcs106e04	8463	TEAD2	0.574269	0.665385	11.0534	11.1482	0.936424
5	hcs106e04	8463	TEAD2	0.050027	-4.3014	11.0507	11.1738	-1.0891
7	hcs106e04	8463	TEAD2	0.198588	-1.89491	10.8397	10.9299	-1.06447
1	hcs106e05	?	?	0.455371	0.918378	11.3029	11.44	0.909345
3	hcs106e05	?	?	0.566766	0.679794	11.9036	11.7919	1.08053
5	hcs106e05	?	?	0.311335	-1.34319	11.4004	11.5161	-1.0835
7	hcs106e05	?	?	0.489225	-0.840214	11.2365	11.3666	-1.09437
1	hcs106e06	8467	SMARCA5	0.961622	-0.0543152	10.3581	10.3474	1.00747
3	hcs106e06	8467	SMARCA5	0.553509	0.70568	10.654	10.4435	1.15706
5	hcs106e06	8467	SMARCA5	0.092993	-3.04596	10.1382	10.1986	-1.04274
7	hcs106e06	8467	SMARCA5	0.613609	-0.592452	10.2491	10.2767	-1.01934
1	hcs106e07	57007	CXCR7	0.724895	0.404672	9.85558	9.95606	0.932722
3	hcs106e07	57007	CXCR7	0.67532	0.485468	10.2332	10.0869	1.10675

5	hcs106e07	57007	CXCR7	0.80493	-0.281274	9.997	10.0141	-1.01195
7	hcs106e07	57007	CXCR7	0.694628	-0.453525	9.81374	9.83857	-1.01736
1	hcs106e08	23657	SLC7A11	0.905022	-0.134929	10.6333	10.6077	1.01793
3	hcs106e08	23657	SLC7A11	0.311312	1.34327	10.7942	10.7363	1.04095
5	hcs106e08	23657	SLC7A11	0.549582	-0.713458	10.6896	10.7288	-1.0275
7	hcs106e08	23657	SLC7A11	0.64412	-0.538547	10.3992	10.4483	-1.03464
1	hcs106e09	5074	PAWR	0.574829	0.664318	9.82622	9.94167	0.923097
3	hcs106e09	5074	PAWR	0.821045	0.257233	9.99725	9.94948	1.03367
5	hcs106e09	5074	PAWR	0.124433	-2.56313	9.7924	9.97396	-1.13411
7	hcs106e09	5074	PAWR	0.0065819	-12.2651	9.51485	9.69791	-1.13529
5	hcs106e10	64092	SAMSN1	0.0039247	15.9152	13.3107	12.9963	1.24349
7	hcs106e10	64092	SAMSN1	0.129782	2.49798	13.4181	12.8766	1.45548
1	hcs106e11	25950	RWDD3	0.982583	-0.0246348	10.507	10.5036	1.00238
3	hcs106e11	25950	RWDD3	0.415468	-1.01884	10.6513	10.7783	-1.09202
5	hcs106e11	25950	RWDD3	0.653722	-0.522007	10.4945	10.5316	-1.02605
7	hcs106e11	25950	RWDD3	0.122041	2.59355	10.3727	10.3304	1.02979
1	hcs106e12	?	?	0.781129	0.317222	10.6958	10.7275	0.978267
3	hcs106e12	?	?	0.338355	-1.24791	10.9782	11.0932	-1.08298
5	hcs106e12	?	?	0.553934	0.704841	10.5297	10.4601	1.04938
7	hcs106e12	?	?	0.337038	-1.25234	10.4046	10.4807	-1.05419
1	hcs106f01	54360	CYTL1	0.865049	-0.192612	10.2661	10.2355	1.02142
3	hcs106f01	54360	CYTL1	0.133263	-2.45757	10.4416	10.7094	-1.20397
5	hcs106f01	54360	CYTL1	0.278833	-1.4722	10.2425	10.4246	-1.13456
7	hcs106f01	54360	CYTL1	0.495326	0.826721	10.1248	10.0746	1.03542
1	hcs106f02	9738	CP110	0.125672	2.54769	10.5123	10.7071	0.87369
3	hcs106f02	9738	CP110	0.812706	0.269646	11.2459	11.2051	1.02868
5	hcs106f02	9738	CP110	0.8735	-0.180346	10.7832	10.803	-1.01382
7	hcs106f02	9738	CP110	0.963034	0.0523132	10.3534	10.3442	1.0064
1	hcs106f03	1854	DUT	0.235441	1.67751	10.8089	11.0162	0.866177
3	hcs106f03	1854	DUT	0.259022	1.56047	11.1675	11.0394	1.09285
5	hcs106f03	1854	DUT	0.191618	-1.94208	11.1285	11.2146	-1.06145
7	hcs106f03	1854	DUT	0.549356	-0.713906	10.648	10.7249	-1.0548
1	hcs106f04	7295	TXN	0.288428	1.43225	11.6481	11.7105	0.95767
3	hcs106f04	7295	TXN	0.547927	-0.71675	11.9073	12.0573	-1.10957
5	hcs106f04	7295	TXN	0.60762	-0.603291	11.6255	11.7338	-1.07791
7	hcs106f04	7295	TXN	0.0135882	-8.49098	11.3144	11.52	-1.15311
1	hcs106f05	8082	SSPN	0.229176	1.71119	10.8877	11.0641	0.884888
3	hcs106f05	8082	SSPN	0.806336	-0.279167	11.2128	11.2469	-1.02389
5	hcs106f05	8082	SSPN	0.206733	-1.8425	10.8723	11.0317	-1.11687
7	hcs106f05	8082	SSPN	0.759974	-0.34967	10.6325	10.6619	-1.02059
1	hcs106f06	9439	MED23	0.430919	0.978744	10.3605	10.5891	0.853443
3	hcs106f06	9439	MED23	0.768321	-0.336807	10.9076	10.9505	-1.03021
5	hcs106f06	9439	MED23	0.773169	0.329373	10.5416	10.499	1.02997
7	hcs106f06	9439	MED23	0.402608	-1.05348	10.0552	10.1903	-1.09812
1	hcs106f07	6879	TAF7	0.201484	1.87595	10.3471	10.7368	0.763271
3	hcs106f07	6879	TAF7	0.413453	-1.02419	10.8255	10.9581	-1.09627
5	hcs106f07	6879	TAF7	0.839363	0.230164	10.5907	10.5687	1.01539

7	hcs106f07	6879	TAF7	0.917491	-0.117084	10.0656	10.0874	-1.01526
1	hcs106f08			0.328456	-1.28172	10.3485	10.2878	1.04295
3	hcs106f08			0.775321	-0.32608	10.7074	10.7452	-1.02657
5	hcs106f08			0.629824	0.563541	10.4364	10.3961	1.02835
7	hcs106f08			0.957501	-0.0601574	10.0806	10.0877	-1.0049
1	hcs106f09	?	?	0.234488	1.68256	11.29	11.4055	0.923041
3	hcs106f09	?	?	0.589672	-0.636327	11.3746	11.5499	-1.12923
5	hcs106f09	?	?	0.587873	0.639686	11.327	11.2465	1.05734
7	hcs106f09	?	?	0.560919	0.691142	11.0362	10.8587	1.13094
1	hcs106f10	9541	CIR1	0.832878	0.239717	10.5777	10.6075	0.979579
3	hcs106f10	9541	CIR1	0.257609	-1.56709	10.5533	10.7885	-1.17706
5	hcs106f10	9541	CIR1	0.598326	-0.620292	10.4646	10.5244	-1.04232
7	hcs106f10	9541	CIR1	0.90794	-0.130748	10.1679	10.185	-1.01193
1	hcs106f11	10818	FRS2	0.615519	0.589013	10.5253	10.5681	0.970747
3	hcs106f11	10818	FRS2	0.409235	-1.03548	10.5013	10.7105	-1.15607
5	hcs106f11	10818	FRS2	0.66708	-0.499303	10.3528	10.4031	-1.03553
7	hcs106f11	10818	FRS2	0.834517	0.237301	10.1997	10.1785	1.01482
1	hcs106f12	375743	PTAR1	0.65113	0.526454	11.1924	11.2672	0.949452
3	hcs106f12	375743	PTAR1	0.776607	-0.324116	11.2028	11.2715	-1.04875
5	hcs106f12	375743	PTAR1	0.689226	0.462396	11.1518	11.1103	1.02918
7	hcs106f12	375743	PTAR1	0.562328	-0.688398	10.8836	10.9522	-1.04867
1	hcs106g01	10144	FAM13A	0.682172	0.474058	9.88071	9.95967	0.946742
3	hcs106g01	10144	FAM13A	0.883395	0.166037	10.1079	10.07	1.02664
5	hcs106g01	10144	FAM13A	0.679079	-0.479198	9.70996	9.75612	-1.03251
1	hcs106g02	56683	C21orf59	0.387683	1.09529	10.2518	10.3986	0.903252
3	hcs106g02	56683	C21orf59	0.443858	0.946354	10.7459	10.5535	1.14266
5	hcs106g02	56683	C21orf59	0.317408	-1.32092	10.4781	10.5837	-1.07594
7	hcs106g02	56683	C21orf59	0.6024	0.612813	10.1835	10.102	1.05811
1	hcs106g03	574036	C1orf133	0.721051	0.410799	10.6926	10.739	0.968349
5	hcs106g03	574036	C1orf133	0.115157	-2.68595	11.0296	11.1926	-1.11959
7	hcs106g03	574036	C1orf133	0.596314	0.624002	10.6891	10.6298	1.04196
5	hcs106g04			0.371487	1.14278	10.8219	10.6887	1.09674
7	hcs106g04			0.846753	-0.219314	10.6823	10.7054	-1.01614
1	hcs106g05	10910	SUGT1	0.310681	1.34562	10.234	10.3446	0.926224
3	hcs106g05	10910	SUGT1	0.247773	1.61451	10.7197	10.5584	1.11829
5	hcs106g05	10910	SUGT1	0.609897	-0.599159	10.4652	10.5302	-1.04611
7	hcs106g05	10910	SUGT1	0.366861	1.15678	10.4167	10.3784	1.0269
1	hcs106g07	2770	GNAI1	0.955295	-0.0632863	11.382	11.3663	1.01097
5	hcs106g07	2770	GNAI1	0.171797	2.08993	11.4036	11.0067	1.31674
7	hcs106g07	2770	GNAI1	0.339938	1.24262	11.1289	10.9935	1.09837
1	hcs106g08	84792	C7orf70	0.817722	0.262171	10.8943	10.9326	0.973824
3	hcs106g08	84792	C7orf70	0.872052	-0.182445	11.0756	11.0899	-1.00998
5	hcs106g08	84792	C7orf70	0.730698	0.395461	10.8503	10.8267	1.01652
7	hcs106g08	84792	C7orf70	0.848815	0.216294	10.6255	10.6067	1.01312
1	hcs106g09	4753	NELL2	0.259981	1.556	12.0432	12.2934	0.840761
3	hcs106g09	4753	NELL2	0.636622	0.551601	12.303	12.1833	1.08651
5	hcs106g09	4753	NELL2	0.398837	1.06388	11.9253	11.626	1.23049

7	hcs106g09	4753	NELL2	0.0253491	6.16081	12.2527	11.8139	1.35551
1	hcs106g10	5813	PURA	0.978216	-0.0308143	10.584	10.5814	1.0018
3	hcs106g10	5813	PURA	0.469057	0.886075	10.7684	10.6763	1.0659
5	hcs106g10	5813	PURA	0.346452	-1.22113	10.3785	10.4596	-1.0578
7	hcs106g10	5813	PURA	0.796596	0.293799	10.4379	10.4205	1.01213
1	hcs106g11	?	?	0.596431	-0.623787	10.7172	10.6249	1.06604
3	hcs106g11	?	?	0.917875	0.116536	10.7777	10.7631	1.01012
5	hcs106g11	?	?	0.401763	1.0558	10.7659	10.6771	1.06349
7	hcs106g11	?	?	0.184297	-1.99418	10.3897	10.5646	-1.12886
1	hcs106g12	1399	CRKL	0.323781	1.29811	10.7044	10.9367	0.851296
3	hcs106g12	1399	CRKL	0.570827	0.671975	10.8945	10.7576	1.09954
5	hcs106g12	1399	CRKL	0.984611	-0.0217654	10.6241	10.6255	-1.00097
7	hcs106g12	1399	CRKL	0.868129	0.188137	10.5924	10.5826	1.00682
1	hcs106h01	401152	C4orf3	0.386557	1.09851	10.3176	10.4443	0.915933
3	hcs106h01	401152	C4orf3	0.447512	-0.937393	10.7255	10.8243	-1.07088
5	hcs106h01	401152	C4orf3	0.42222	-1.00112	10.4622	10.6195	-1.11522
7	hcs106h01	401152	C4orf3	0.434276	0.97024	10.2507	10.0965	1.11282
1	hcs106h02	6135	RPL11	0.729976	-0.396605	12.8685	12.8288	1.02788
3	hcs106h02	6135	RPL11	0.147849	2.30295	12.4871	12.2896	1.14668
5	hcs106h02	6135	RPL11	0.949421	-0.0716211	12.8986	12.9087	-1.00703
1	hcs106h03	91653	BOC	0.946	0.0764796	11.541	11.5522	0.992244
3	hcs106h03	91653	BOC	0.453988	0.921697	11.7984	11.7202	1.0557
5	hcs106h03	91653	BOC	0.392755	-1.08088	11.602	11.6887	-1.06191
7	hcs106h03	91653	BOC	0.243736	-1.63468	11.2112	11.3069	-1.06858
3	hcs106h04			0.919248	-0.114575	11.2946	11.3101	-1.0108
7	hcs106h04			0.914666	-0.121122	10.5517	10.5677	-1.01118
1	hcs106h05	22918	CD93	0.177893	2.0421	13.0233	13.3864	0.777492
5	hcs106h05	22918	CD93	0.0446687	4.57148	13.5531	13.1237	1.34664
7	hcs106h05	22918	CD93	0.0188902	7.17233	13.3245	12.6314	1.61672
1	hcs106h06	?	?	0.466613	0.891771	11.2107	11.4154	0.867699
3	hcs106h06	?	?	0.345519	-1.22418	11.5353	11.6301	-1.06789
5	hcs106h06	?	?	0.148745	-2.29414	11.1893	11.2736	-1.06012
7	hcs106h06	?	?	0.192538	-1.93573	10.7416	10.845	-1.07425
1	hcs106h07	2209	FCGR1A	0.363773	1.16625	11.283	11.5307	0.842219
3	hcs106h07	2209	FCGR1A	0.554509	-0.703707	11.5503	11.6529	-1.07368
5	hcs106h07	2209	FCGR1A	0.577761	-0.658737	11.3047	11.3864	-1.05822
7	hcs106h07	2209	FCGR1A	0.51495	0.784419	11.0831	10.9299	1.11201
1	hcs106h08	6832	SUPV3L1	0.888976	-0.157989	11.3845	11.3728	1.00812
3	hcs106h08	6832	SUPV3L1	0.158844	2.19969	11.497	11.3663	1.09482
5	hcs106h08	6832	SUPV3L1	0.0339932	5.28453	11.4341	11.1636	1.20623
7	hcs106h08	6832	SUPV3L1	0.0894983	3.11397	11.1895	10.8365	1.27715
1	hcs106h09	?	?	0.255324	1.5779	11.1551	11.3112	0.897427
3	hcs106h09	?	?	0.405053	-1.0468	11.2516	11.4935	-1.18249
5	hcs106h09	?	?	0.312003	-1.34071	11.0755	11.128	-1.03706
7	hcs106h09	?	?	0.770278	0.333803	10.9139	10.8621	1.03661
1	hcs106h10	27295	PDLIM3	0.618484	-0.583694	10.85	10.7821	1.04821
3	hcs106h10	27295	PDLIM3	0.34756	-1.21753	10.916	11.13	-1.15987



5	hcs106h10	27295	PDLIM3	0.360711	-1.17572	10.5714	10.7082	-1.09944
7	hcs106h10	27295	PDLIM3	0.321485	1.30627	10.6874	10.5819	1.0759
1	hcs106h11	56849	TCEAL7	0.69159	-0.458507	10.225	10.2076	1.0121
3	hcs106h11	56849	TCEAL7	0.366071	-1.15919	10.267	10.4938	-1.17027
5	hcs106h11	56849	TCEAL7	0.725904	-0.403066	9.94444	9.9789	-1.02418
7	hcs106h11	56849	TCEAL7	0.805187	0.280889	9.90793	9.85424	1.03792
1	hcs106h12	54629	FAM63B	0.466699	0.89157	10.2131	10.3214	0.927659
3	hcs106h12	54629	FAM63B	0.413397	-1.02433	10.312	10.5209	-1.15579
5	hcs106h12	54629	FAM63B	0.774693	-0.327041	10.088	10.1233	-1.02475
7	hcs106h12	54629	FAM63B	0.426018	0.991288	10.0137	9.95099	1.04442
1	hcs107a04	136647	C7orf11	0.0184971	7.25033	11.1145	11.1769	0.95767
3	hcs107a04	136647	C7orf11	0.947727	-0.074027	11.5486	11.5691	-1.01429
5	hcs107a04	136647	C7orf11	0.980654	-0.0273647	11.1381	11.141	-1.00204
7	hcs107a04	136647	C7orf11	0.719762	0.41286	10.9502	10.8992	1.03601
1	hcs107a05	148867	SLC30A7	0.316648	1.32368	10.649	10.7684	0.920592
3	hcs107a05	148867	SLC30A7	0.687308	-0.465559	11.126	11.141	-1.01045
5	hcs107a05	148867	SLC30A7	0.729715	0.397017	10.8534	10.7972	1.0397
7	hcs107a05	148867	SLC30A7	0.113708	2.7064	10.6853	10.4717	1.15958
1	hcs107a07	?	?	0.46345	0.899188	10.6833	10.7397	0.961638
3	hcs107a07	?	?	0.152036	-2.26242	10.9241	11.003	-1.05621
5	hcs107a07	?	?	0.887232	0.160502	10.6978	10.6918	1.00419
7	hcs107a07	?	?	0.799318	-0.289701	10.1909	10.2312	-1.02833
1	hcs107a08	23522	MYST4	0.343169	1.2319	10.5139	10.6022	0.940609
3	hcs107a08	23522	MYST4	0.473207	-0.876474	10.7231	10.7822	-1.04177
5	hcs107a08	23522	MYST4	0.322015	-1.30438	10.3716	10.4487	-1.05492
7	hcs107a08	23522	MYST4	0.781404	0.316804	10.0665	10.0097	1.04017
1	hcs107a09	60485	SAV1	0.418778	1.01011	10.3084	10.4609	0.899711
3	hcs107a09	60485	SAV1	0.54511	-0.722377	10.561	10.6067	-1.03218
5	hcs107a09	60485	SAV1	0.675993	0.484343	10.4154	10.3907	1.01724
7	hcs107a09	60485	SAV1	0.502113	0.811906	10.1203	10.0279	1.06616
1	hcs107a10	7727	ZNF174	0.612852	0.593817	11.1113	11.177	0.955459
3	hcs107a10	7727	ZNF174	0.369189	-1.14971	11.3263	11.4023	-1.05409
5	hcs107a10	7727	ZNF174	0.222157	-1.75037	11.014	11.07	-1.03958
7	hcs107a10	7727	ZNF174	0.595953	-0.624669	10.7731	10.8377	-1.04582
1	hcs107a11	123355	LRRC28	0.727077	-0.401203	10.2165	10.1601	1.03988
3	hcs107a11	123355	LRRC28	0.290084	-1.42552	10.326	10.585	-1.19665
5	hcs107a11	123355	LRRC28	0.844642	-0.22241	10.2068	10.2354	-1.02004
7	hcs107a11	123355	LRRC28	0.299285	1.38899	10.0737	10.0301	1.03069
1	hcs107a12	3977	LIFR	0.263348	1.54048	12.3413	12.6362	0.81511
3	hcs107a12	3977	LIFR	0.741873	0.377852	12.3131	12.2096	1.07438
5	hcs107a12	3977	LIFR	0.175475	2.0608	12.3716	11.8616	1.42405
7	hcs107a12	3977	LIFR	0.0724709	3.50962	12.1741	11.6649	1.42329
1	hcs107b01	49854	ZNF295	0.898131	-0.144818	9.48533	9.47827	1.00491
3	hcs107b01	49854	ZNF295	0.668859	0.496306	10.3875	10.3428	1.03142
5	hcs107b01	49854	ZNF295	0.321071	-1.30774	10.4564	10.6996	-1.18364
1	hcs107b02	54861	SNRK	0.402957	1.05253	10.4903	10.6619	0.887858
3	hcs107b02	54861	SNRK	0.176779	-2.05067	10.766	10.8733	-1.07719

5	hcs107b02	54861	SNRK	0.129647	-2.49958	10.5266	10.6412	-1.08267
7	hcs107b02	54861	SNRK	0.529447	-0.754176	10.2546	10.3288	-1.05283
1	hcs107b03	23736	NCRNA002	0.441273	0.952744	11.0047	11.279	0.826851
3	hcs107b03	23736	NCRNA002	0.647096	0.533401	11.3134	11.3058	1.00526
5	hcs107b03	23736	NCRNA002	0.164569	-2.14972	11.0687	11.2332	-1.12083
7	hcs107b03	23736	NCRNA002	0.200676	1.8812	10.8255	10.7564	1.04904
1	hcs107b04	?	?	0.608653	0.601415	10.1195	10.2516	0.912481
3	hcs107b04	?	?	0.318345	1.31754	10.5458	10.4522	1.06703
5	hcs107b04	?	?	0.71295	-0.423784	10.1832	10.2234	-1.02823
7	hcs107b04	?	?	0.857122	-0.204154	10.3326	10.3678	-1.02471
1	hcs107b05	7559	ZNF12	0.635888	0.552884	10.5382	10.5993	0.958533
3	hcs107b05	7559	ZNF12	0.284095	-1.45008	10.9058	10.9901	-1.06015
5	hcs107b05	7559	ZNF12	0.423194	-0.998587	10.6209	10.7117	-1.06491
7	hcs107b05	7559	ZNF12	0.592578	0.630921	10.4917	10.4603	1.022
1	hcs107b06	1387	CREBBP	0.135317	2.43441	11.973	12.2256	0.839402
3	hcs107b06	1387	CREBBP	0.971516	-0.0402986	12.0546	12.0614	-1.00472
5	hcs107b06	1387	CREBBP	0.209489	1.82538	12.14	11.8759	1.20086
7	hcs107b06	1387	CREBBP	0.0108274	9.53211	12.0521	11.5983	1.36967
1	hcs107b07	5552	SRGN	0.651191	-0.526349	10.0629	10.0227	1.02822
3	hcs107b07	5552	SRGN	0.954746	0.0640643	10.2695	10.263	1.00454
5	hcs107b07	5552	SRGN	0.253237	-1.58788	10.1229	10.2471	-1.08992
7	hcs107b07	5552	SRGN	0.450987	-0.92894	9.81588	9.88116	-1.04628
5	hcs107b08	5079	PAX5	0.0477018	4.41314	12.9238	12.1959	1.65623
7	hcs107b08	5079	PAX5	0.0070770	11.8238	12.5391	11.9491	1.50528
1	hcs107b09	55622	TTC27	0.446	0.941092	10.7811	10.8421	0.958599
3	hcs107b09	55622	TTC27	0.44202	-0.950893	11.0867	11.1977	-1.08003
5	hcs107b09	55622	TTC27	0.210286	-1.82049	10.9219	11.0374	-1.08338
7	hcs107b09	55622	TTC27	0.79346	-0.298529	10.7693	10.7825	-1.00919
1	hcs107b10	521	ATP5I	0.138492	-2.39955	11.1912	11.0939	1.06977
3	hcs107b10	521	ATP5I	0.334948	-1.25941	11.1293	11.2707	-1.10295
5	hcs107b10	521	ATP5I	0.46342	-0.899257	10.8619	10.9576	-1.06858
7	hcs107b10	521	ATP5I	0.933019	0.0949388	10.8281	10.823	1.00359
1	hcs107b11	?	?	0.522288	0.769009	10.4514	10.495	0.970209
3	hcs107b11	?	?	0.23015	-1.70587	10.4056	10.6521	-1.18631
5	hcs107b11	?	?	0.933992	-0.0935534	10.4186	10.4336	-1.01045
7	hcs107b11	?	?	0.550081	0.712466	10.1631	10.1088	1.03831
1	hcs107b12	6950	TCP1	0.197454	-1.90243	11.1095	10.9563	1.11203
3	hcs107b12	6950	TCP1	0.710949	0.427006	10.7266	10.6214	1.07562
5	hcs107b12	6950	TCP1	0.26511	1.53245	11.0879	10.8507	1.17876
7	hcs107b12	6950	TCP1	0.308544	1.3536	10.7726	10.702	1.05018
1	hcs107c01	57336	ZNF287	0.635772	0.553087	10.3391	10.4171	0.947348
3	hcs107c01	57336	ZNF287	0.932079	-0.0962772	10.8035	10.8274	-1.01673
5	hcs107c01	57336	ZNF287	0.0489645	-4.35149	10.4003	10.5436	-1.10448
7	hcs107c01	57336	ZNF287	0.932926	-0.0950716	10.0476	10.0561	-1.00594
1	hcs107c02	10558	SPTLC1	0.889844	-0.156738	10.381	10.3512	1.02089
3	hcs107c02	10558	SPTLC1	0.48666	0.845939	10.5772	10.5086	1.04872
5	hcs107c02	10558	SPTLC1	0.851826	-0.211888	10.3543	10.4025	-1.034

7	hcs107c02	10558	SPTLC1	0.446503	-0.93986	10.0741	10.1539	-1.05688
3	hcs107c03	6232	RPS27	0.808702	0.275626	11.4966	11.4428	1.038
5	hcs107c03	6232	RPS27	0.0403835	-4.8242	12.2607	12.3695	-1.07831
7	hcs107c03	6232	RPS27	0.530544	-0.751919	10.9936	11.107	-1.08179
1	hcs107c04	84312	BRMS1L	0.737881	-0.384123	10.6614	10.5974	1.04533
3	hcs107c04	84312	BRMS1L	0.169231	2.11076	11.0268	10.9239	1.07393
5	hcs107c04	84312	BRMS1L	0.825742	0.250267	10.5547	10.5205	1.02397
7	hcs107c04	84312	BRMS1L	0.0134264	-8.54304	10.3994	10.4676	-1.04841
1	hcs107c05	4651	MYO10	0.388244	1.09368	10.7077	10.906	0.871597
3	hcs107c05	4651	MYO10	0.587068	0.641193	11.2131	11.1072	1.07617
5	hcs107c05	4651	MYO10	0.251181	-1.59781	10.8419	10.9625	-1.08716
7	hcs107c05	4651	MYO10	0.639922	-0.545842	10.1337	10.2023	-1.04872
1	hcs107c06	?	?	0.342862	1.23291	10.0696	10.1637	0.936833
3	hcs107c06	?	?	0.326008	-1.29027	10.6267	10.8	-1.12769
5	hcs107c06	?	?	0.203314	-1.86416	10.1068	10.2751	-1.12375
7	hcs107c06	?	?	0.595616	-0.625291	9.62483	9.74085	-1.08375
1	hcs107c07	51118	UTP11L	0.186991	1.97469	10.3128	10.3883	0.949035
3	hcs107c07	51118	UTP11L	0.548833	-0.714946	10.8837	10.9411	-1.04059
5	hcs107c07	51118	UTP11L	0.02586	6.09724	10.7238	10.6341	1.06417
7	hcs107c07	51118	UTP11L	0.684794	0.469714	10.1461	10.073	1.05199
1	hcs107c08	30001	ERO1L	0.646668	0.53414	10.5646	10.5926	0.980802
3	hcs107c08	30001	ERO1L	0.827705	0.247361	11.0231	11.007	1.01122
5	hcs107c08	30001	ERO1L	0.30652	-1.36122	10.5048	10.6609	-1.1143
7	hcs107c08	30001	ERO1L	0.295829	-1.40254	10.3046	10.4185	-1.08215
1	hcs107c09	2107	ETF1	0.310305	1.34702	10.7953	10.9092	0.924087
3	hcs107c09	2107	ETF1	0.437019	-0.963345	11.0206	11.0999	-1.05648
5	hcs107c09	2107	ETF1	0.554213	-0.704291	10.766	10.7904	-1.01708
7	hcs107c09	2107	ETF1	0.555814	0.701137	10.4418	10.3749	1.04744
1	hcs107c11	7225	TRPC6	0.661589	0.508593	10.9718	10.9897	0.987646
3	hcs107c11	7225	TRPC6	0.438874	0.958708	11.1584	11.0535	1.07544
5	hcs107c11	7225	TRPC6	0.981205	-0.0265854	10.8141	10.8185	-1.00308
7	hcs107c11	7225	TRPC6	0.951845	-0.0681803	10.7278	10.7303	-1.00178
1	hcs107c12	27332	ZNF638	0.590816	0.634196	11.2269	11.3194	0.937874
3	hcs107c12	27332	ZNF638	0.506837	0.801711	11.2291	11.1338	1.06829
5	hcs107c12	27332	ZNF638	0.0011868	29.0013	11.2671	10.8701	1.3168
7	hcs107c12	27332	ZNF638	0.0005746	41.6984	10.9338	10.4511	1.39736
1	hcs107d01	?	?	0.170915	2.09704	10.4867	10.6541	0.890466
3	hcs107d01	?	?	0.669722	-0.494853	10.867	10.9524	-1.06098
5	hcs107d01	?	?	0.597973	-0.620943	10.5756	10.6368	-1.04329
7	hcs107d01	?	?	0.938281	-0.08745	10.3651	10.3705	-1.0037
1	hcs107d02	54492	NEURL1B	0.279186	1.4707	10.3202	10.4544	0.91115
3	hcs107d02	54492	NEURL1B	0.750632	-0.364164	10.6781	10.7008	-1.01581
5	hcs107d02	54492	NEURL1B	0.151928	-2.26344	10.4971	10.6694	-1.12685
7	hcs107d02	54492	NEURL1B	0.225744	-1.73015	10.1751	10.2467	-1.05087
1	hcs107d03	395	ARHGAP6	0.471343	0.880776	10.4019	10.4718	0.952702
3	hcs107d03	395	ARHGAP6	0.754683	-0.357867	10.4296	10.5044	-1.05326
5	hcs107d03	395	ARHGAP6	0.215302	-1.79024	10.2622	10.3705	-1.07798

7	hcs107d03	395	ARHGAP6	0.672937	0.489456	9.94541	9.87885	1.04722
1	hcs107d04	196	AHR	0.489963	0.838573	10.2452	10.3738	0.914697
3	hcs107d04	196	AHR	0.561638	-0.689741	10.5448	10.6551	-1.07943
5	hcs107d04	196	AHR	0.760473	0.348899	10.1825	10.1623	1.01415
7	hcs107d04	196	AHR	0.34822	-1.21538	9.98593	10.1245	-1.10084
1	hcs107d05	7358	UGDH	0.958487	-0.058759	11.0905	11.0892	1.00092
3	hcs107d05	7358	UGDH	0.404524	1.04824	11.3325	11.2122	1.08694
5	hcs107d05	7358	UGDH	0.490436	-0.837523	11.129	11.2023	-1.05212
7	hcs107d05	7358	UGDH	0.108099	-2.78914	10.7849	10.8902	-1.07567
1	hcs107d06	64393	ZMAT3	0.465019	0.895501	10.7262	10.8623	0.909997
3	hcs107d06	64393	ZMAT3	0.544498	0.723603	11.0236	10.9716	1.0367
5	hcs107d06	64393	ZMAT3	0.173801	2.07395	10.922	10.8941	1.01948
7	hcs107d06	64393	ZMAT3	0.951165	-0.0691461	10.5572	10.5673	-1.00703
1	hcs107d07			0.465019	0.895502	10.4998	10.5457	0.968663
3	hcs107d07			0.621933	0.577533	10.6586	10.6209	1.02648
5	hcs107d07			0.718825	0.414359	10.5395	10.4935	1.03242
7	hcs107d07			0.655767	-0.518508	10.2179	10.2546	-1.02574
1	hcs107d08			0.708935	0.430256	11.0231	11.0845	0.958311
3	hcs107d08			0.709534	0.42929	11.2813	11.2683	1.00903
5	hcs107d08			0.544992	-0.722614	11.0663	11.1714	-1.07557
7	hcs107d08			0.470853	-0.881909	10.8715	10.8938	-1.0156
1	hcs107d09	286097	EFHA2	0.257749	1.56643	9.87288	10.1372	0.832579
3	hcs107d09	286097	EFHA2	0.499156	-0.818335	10.1849	10.3396	-1.11314
5	hcs107d09	286097	EFHA2	0.93923	0.0861015	9.96954	9.95915	1.00723
7	hcs107d09	286097	EFHA2	0.474003	0.874643	9.73436	9.70029	1.0239
1	hcs107d10			0.420616	-1.0053	10.4277	10.4104	1.01206
3	hcs107d10			0.443524	-0.947178	10.3665	10.521	-1.11298
5	hcs107d10			0.52212	-0.769359	10.3615	10.4954	-1.09726
7	hcs107d10			0.300857	-1.38289	10.0576	10.1142	-1.04003
1	hcs107d11	84272	YIPF4	0.180675	-2.02101	10.748	10.6223	1.09106
3	hcs107d11	84272	YIPF4	0.595431	-0.625634	10.7154	10.8441	-1.09326
5	hcs107d11	84272	YIPF4	0.995845	0.00587575	10.5462	10.5458	1.00025
7	hcs107d11	84272	YIPF4	0.151679	-2.26581	10.2247	10.2506	-1.01811
1	hcs107d12	164781	WDR69	0.406711	1.04229	10.4061	10.4516	0.968931
3	hcs107d12	164781	WDR69	0.705149	-0.436383	10.5913	10.6697	-1.05587
5	hcs107d12	164781	WDR69	0.943009	0.0807287	10.3657	10.3533	1.00859
7	hcs107d12	164781	WDR69	0.0425583	4.69127	10.2752	10.1183	1.11489
1	hcs107e01	196074	METT5D1	0.876991	0.175293	10.6909	10.7143	0.983911
5	hcs107e01	196074	METT5D1	0.719847	-0.412723	10.6359	10.6937	-1.0409
7	hcs107e01	196074	METT5D1	0.200461	1.88261	10.2764	10.2216	1.03874
1	hcs107e02	10200	MPHOSPH6	0.758357	-0.352171	10.4873	10.4578	1.02067
3	hcs107e02	10200	MPHOSPH6	0.727346	-0.400775	10.8595	10.904	-1.03128
5	hcs107e02	10200	MPHOSPH6	0.978606	-0.0302633	10.6348	10.6422	-1.00519
7	hcs107e02	10200	MPHOSPH6	0.653541	-0.522317	10.1107	10.1456	-1.02446
1	hcs107e03	140739	UBE2F	0.59995	0.617305	10.697	10.776	0.946714
3	hcs107e03	140739	UBE2F	0.0336633	5.31173	11.0796	10.9617	1.08518
5	hcs107e03	140739	UBE2F	0.36288	-1.169	11.1176	11.2608	-1.1043

7	hcs107e03	140739	UBE2F	0.526207	0.760865	10.5519	10.4956	1.0398
1	hcs107e04	6304	SATB1	0.718485	0.414902	11.7903	11.9574	0.890652
3	hcs107e04	6304	SATB1	0.619364	0.582119	11.9796	11.9081	1.05081
7	hcs107e04	6304	SATB1	0.111948	2.73174	11.6213	11.1064	1.4289
1	hcs107e05			0.473594	0.875585	10.5555	10.6561	0.932645
3	hcs107e05			0.766809	0.339131	11.1831	11.1387	1.0313
7	hcs107e05			0.557771	0.697295	10.6612	10.5928	1.04858
1	hcs107e06	6894	TARBP1	0.790934	0.302345	10.4059	10.4687	0.957404
3	hcs107e06	6894	TARBP1	0.891866	0.153827	10.648	10.639	1.00626
5	hcs107e06	6894	TARBP1	0.332381	1.26817	10.1608	9.93822	1.16685
7	hcs107e06	6894	TARBP1	0.452279	-0.925815	10.0784	10.1552	-1.05466
1	hcs107e07	4801	NFYB	0.399877	1.061	10.3524	10.6772	0.79839
3	hcs107e07	4801	NFYB	0.12304	-2.58074	10.8474	11.1391	-1.22411
5	hcs107e07	4801	NFYB	0.020339	6.90447	10.6153	10.5205	1.06787
7	hcs107e07	4801	NFYB	0.973861	0.0369784	10.2357	10.2307	1.00352
1	hcs107e08	729852	LOC729852	0.669233	0.495675	10.0754	10.1584	0.944084
3	hcs107e08	729852	LOC729852	0.590479	-0.634824	10.3689	10.49	-1.08757
5	hcs107e08	729852	LOC729852	0.450754	-0.929504	9.98985	10.0816	-1.06566
7	hcs107e08	729852	LOC729852	0.778037	-0.321933	9.77843	9.81391	-1.0249
1	hcs107e09	10476	ATP5H	0.287867	1.43454	10.9895	11.0233	0.976844
3	hcs107e09	10476	ATP5H	0.787928	0.306896	11.2206	11.1877	1.02304
5	hcs107e09	10476	ATP5H	0.899524	0.142818	11.0957	11.0783	1.01216
7	hcs107e09	10476	ATP5H	0.776244	0.324671	10.7608	10.7212	1.02785
1	hcs107e10	?	?	0.302439	1.37679	10.1825	10.3887	0.866818
3	hcs107e10	?	?	0.350087	-1.20935	10.5162	10.6962	-1.13283
5	hcs107e10	?	?	0.201948	-1.87295	10.241	10.4106	-1.1248
7	hcs107e10	?	?	0.372229	1.14055	10.0636	9.93986	1.08957
1	hcs107e11	94101	ORMDL1	0.421097	1.00404	10.3442	10.4136	0.953034
3	hcs107e11	94101	ORMDL1	0.846806	0.219236	10.4272	10.3922	1.0246
5	hcs107e11	94101	ORMDL1	0.810783	0.272516	10.4211	10.3977	1.01638
7	hcs107e11	94101	ORMDL1	0.506349	0.80276	10.1235	10.0931	1.02128
1	hcs107e12	200933	FBXO45	0.305892	1.3636	10.3673	10.4844	0.922018
3	hcs107e12	200933	FBXO45	0.568128	-0.677165	10.5413	10.6001	-1.0416
5	hcs107e12	200933	FBXO45	0.398917	-1.06366	10.2771	10.3546	-1.05519
7	hcs107e12	200933	FBXO45	0.414904	1.02033	10.1835	10.1736	1.00689
1	hcs107f01	3859	KRT12	0.31479	-1.33046	9.96874	9.8507	1.08526
3	hcs107f01	3859	KRT12	0.286041	-1.44203	10.1962	10.5289	-1.25943
5	hcs107f01	3859	KRT12	0.0691635	-3.60228	9.90544	10.0357	-1.09449
7	hcs107f01	3859	KRT12	0.0998125	2.92319	9.84876	9.70628	1.1038
1	hcs107f02	64328	XPO4	0.568075	0.677268	10.2824	10.3287	0.968439
3	hcs107f02	64328	XPO4	0.431737	-0.976665	10.3869	10.5476	-1.1178
5	hcs107f02	64328	XPO4	0.0794534	-3.33267	10.3093	10.5139	-1.15239
7	hcs107f02	64328	XPO4	0.184485	1.99282	10.1549	10.0792	1.05393
1	hcs107f03	2043	EPHA4	0.298893	1.39051	10.5385	10.6564	0.921528
3	hcs107f03	2043	EPHA4	0.336466	-1.25427	10.6737	10.8977	-1.16797
5	hcs107f03	2043	EPHA4	0.884525	-0.164406	10.6341	10.6409	-1.00472
7	hcs107f03	2043	EPHA4	0.0629482	-3.79504	10.3708	10.409	-1.0268

1	hcs107f04	3953	LEPR	0.396792	1.06956	10.6534	10.8399	0.878715
3	hcs107f04	3953	LEPR	0.40632	-1.04336	11.0686	11.1865	-1.08518
5	hcs107f04	3953	LEPR	0.224871	-1.73503	10.9644	11.026	-1.04365
7	hcs107f04	3953	LEPR	0.477551	-0.866518	10.6166	10.6437	-1.01899
1	hcs107f05	9043	SPAG9	0.297714	1.39512	10.2246	10.3478	0.918127
3	hcs107f05	9043	SPAG9	0.605024	-0.608018	10.3966	10.5033	-1.07676
5	hcs107f05	9043	SPAG9	0.984576	-0.0218152	10.3197	10.3221	-1.00164
7	hcs107f05	9043	SPAG9	0.443341	0.947629	10.0661	10.0233	1.03011
1	hcs107f06			0.598546	0.619887	11.22	11.2839	0.956652
3	hcs107f06			0.646833	0.533855	11.4681	11.3806	1.0625
5	hcs107f06			0.929468	0.0999963	11.2394	11.2224	1.0119
7	hcs107f06			0.490892	0.836512	11.1324	11.0545	1.0555
1	hcs107f07	83992	CTTNBP2	0.373149	1.1378	10.0264	10.1434	0.922086
3	hcs107f07	83992	CTTNBP2	0.978398	0.0305566	10.4475	10.4448	1.0019
5	hcs107f07	83992	CTTNBP2	0.373353	-1.13719	9.97731	10.0676	-1.06459
7	hcs107f07	83992	CTTNBP2	0.021634	6.68797	9.8365	9.66631	1.1252
1	hcs107f08	339327	ZNF546	0.238028	1.66395	9.86257	9.97244	0.926669
3	hcs107f08	339327	ZNF546	0.849675	-0.215035	10.2463	10.3051	-1.04161
5	hcs107f08	339327	ZNF546	0.0865457	-3.17446	10.0972	10.207	-1.07907
7	hcs107f08	339327	ZNF546	0.0871298	3.16226	9.92265	9.85528	1.04781
1	hcs107f09	10966	RAB40B	0.299925	1.3865	10.5894	10.6928	0.930858
3	hcs107f09	10966	RAB40B	0.685129	-0.469159	10.7212	10.8334	-1.08088
5	hcs107f09	10966	RAB40B	0.797828	-0.291943	10.7646	10.8116	-1.03311
7	hcs107f09	10966	RAB40B	0.105342	2.83208	10.5383	10.4154	1.08889
1	hcs107f10	9557	CHD1L	0.495832	0.825609	10.7872	10.867	0.946167
3	hcs107f10	9557	CHD1L	0.665147	-0.502567	10.6912	10.8079	-1.08428
5	hcs107f10	9557	CHD1L	0.919641	-0.114013	10.7512	10.7706	-1.01358
7	hcs107f10	9557	CHD1L	0.726439	-0.402217	10.5368	10.5572	-1.01424
1	hcs107f11	157247	MGC27345	0.480903	0.858898	10.2277	10.2887	0.958599
3	hcs107f11	157247	MGC27345	0.554064	-0.704584	10.1963	10.349	-1.11164
5	hcs107f11	157247	MGC27345	0.799363	-0.289632	10.2249	10.2592	-1.0241
7	hcs107f11	157247	MGC27345	0.208719	1.83013	10.109	10.0116	1.06985
1	hcs107f12	?	?	0.481041	0.858585	10.4544	10.6398	0.879405
3	hcs107f12	?	?	0.730612	-0.395598	10.5285	10.6148	-1.06167
5	hcs107f12	?	?	0.941052	0.0835101	10.5175	10.4994	1.01261
7	hcs107f12	?	?	0.224885	1.73496	10.4474	10.3662	1.05788
1	hcs107g01	27115	PDE7B	0.300132	1.38569	10.2605	10.3394	0.946801
3	hcs107g01	27115	PDE7B	0.624828	-0.572383	10.6696	10.8222	-1.11155
5	hcs107g01	27115	PDE7B	0.729707	0.39703	10.5817	10.4637	1.08523
7	hcs107g01	27115	PDE7B	0.58598	0.64323	10.2897	10.1856	1.0748
1	hcs107g02	216	ALDH1A1	0.84252	-0.225525	10.7525	10.6817	1.05032
3	hcs107g02	216	ALDH1A1	0.266569	1.52587	11.1682	10.9964	1.12652
5	hcs107g02	216	ALDH1A1	0.988062	0.0168848	10.766	10.7633	1.00187
7	hcs107g02	216	ALDH1A1	0.284468	-1.44853	10.3025	10.4963	-1.14372
1	hcs107g03	?	?	0.756877	0.354463	11.7735	11.8013	0.980915
3	hcs107g03	?	?	0.365623	1.16057	11.8946	11.7783	1.08398
5	hcs107g03	?	?	0.760613	0.348683	11.6079	11.5707	1.02607

7	hcs107g03	?	?	0.299091	-1.38974	11.4022	11.4836	-1.05802
3	hcs107g04	64395	GMCL1	0.482199	0.855968	10.9606	10.8283	1.09604
5	hcs107g04	64395	GMCL1	0.640936	-0.544075	10.6061	10.6387	-1.02288
7	hcs107g04	64395	GMCL1	0.801424	-0.286535	10.2701	10.3005	-1.02134
3	hcs107g05	58525	WIZ	0.899534	0.142802	10.2964	10.2663	1.02106
5	hcs107g05	58525	WIZ	0.205283	-1.85162	9.78214	9.87187	-1.06418
1	hcs107g07	51761	ATP8A2	0.473817	0.875071	10.9699	11.0717	0.931848
3	hcs107g07	51761	ATP8A2	0.365709	-1.1603	11.3553	11.4496	-1.06755
5	hcs107g07	51761	ATP8A2	0.495727	-0.825841	10.9373	11.0129	-1.05385
7	hcs107g07	51761	ATP8A2	0.674936	0.48611	10.7965	10.7235	1.05188
1	hcs107g08	5027	P2RX7	0.566471	0.680364	9.97738	10.1056	0.914958
3	hcs107g08	5027	P2RX7	0.65892	0.513129	10.5111	10.4129	1.07047
5	hcs107g08	5027	P2RX7	0.638924	-0.547581	10.0972	10.1329	-1.02504
7	hcs107g08	5027	P2RX7	0.870516	-0.184672	9.6946	9.71335	-1.01308
1	hcs107g09	657	BMPR1A	0.0815961	3.2828	10.4322	10.5893	0.896805
3	hcs107g09	657	BMPR1A	0.994055	0.0084080	10.9305	10.9294	1.0008
5	hcs107g09	657	BMPR1A	0.439012	-0.958365	10.3826	10.4492	-1.04725
7	hcs107g09	657	BMPR1A	0.48581	-0.847843	10.2453	10.3227	-1.05507
1	hcs107g10	4674	NAP1L2	0.66418	-0.504202	9.9633	9.94782	1.01079
3	hcs107g10	4674	NAP1L2	0.73315	0.391582	10.1383	10.0493	1.06363
5	hcs107g10	4674	NAP1L2	0.325403	-1.29239	9.58103	9.67986	-1.0709
7	hcs107g10	4674	NAP1L2	0.609324	-0.600199	9.55979	9.59914	-1.02766
1	hcs107g11	256435	ST6GALNA	0.932375	0.0958552	10.1527	10.1665	0.990501
3	hcs107g11	256435	ST6GALNA	0.0038325	-16.1067	10.4119	10.6687	-1.19482
5	hcs107g11	256435	ST6GALNA	0.474454	-0.873606	10.0873	10.1609	-1.05233
7	hcs107g11	256435	ST6GALNA	0.263092	-1.54165	9.92018	9.95349	-1.02336
1	hcs107g12	51496	CTDSPL2	0.75701	0.354257	9.68144	9.70437	0.984234
3	hcs107g12	51496	CTDSPL2	0.884663	0.164207	9.72294	9.69364	1.02052
5	hcs107g12	51496	CTDSPL2	0.03817	-4.97074	9.46345	9.7261	-1.19968
7	hcs107g12	51496	CTDSPL2	0.492969	-0.831915	9.42501	9.503	-1.05554
1	hcs107h01	79987	SVEP1	0.208136	-1.83375	9.97479	9.81609	1.11628
3	hcs107h01	79987	SVEP1	0.401498	-1.05653	9.80441	10.2127	-1.32711
5	hcs107h01	79987	SVEP1	0.333036	-1.26593	9.71222	9.83564	-1.08931
1	hcs107h02	4314	MMP3	0.147147	2.3099	10.2879	10.5234	0.84941
3	hcs107h02	4314	MMP3	0.450126	-0.931028	10.5572	10.7253	-1.1236
5	hcs107h02	4314	MMP3	0.0217439	-6.67048	10.4985	10.6089	-1.0795
7	hcs107h02	4314	MMP3	0.489172	0.840332	10.4956	10.4469	1.03431
1	hcs107h03	55313	CPPED1	0.381922	1.11191	10.2079	10.4021	0.874031
3	hcs107h03	55313	CPPED1	0.379315	-1.11953	10.3539	10.6669	-1.24233
5	hcs107h03	55313	CPPED1	0.724462	-0.405361	10.4615	10.5086	-1.03319
7	hcs107h03	55313	CPPED1	0.825188	0.251088	10.2288	10.194	1.02443
1	hcs107h04	51218	GLRX5	0.132817	2.46267	10.5104	10.7669	0.837116
3	hcs107h04	51218	GLRX5	0.785577	-0.31046	10.7235	10.799	-1.05375
5	hcs107h04	51218	GLRX5	0.457978	0.912145	10.7179	10.5838	1.09738
7	hcs107h04	51218	GLRX5	0.342419	1.23438	10.423	10.3349	1.06292
1	hcs107h05	?	?	0.229046	1.7119	10.8485	11.1384	0.817959
3	hcs107h05	?	?	0.78657	-0.308955	11.0631	11.1043	-1.02897

5	hcs107h05	?	?	0.362292	1.17082	10.9805	10.8308	1.10931
7	hcs107h05	?	?	0.106597	2.81234	10.8565	10.5243	1.25899
1	hcs107h06	7754	ZNF204P	0.237258	1.66797	10.4758	10.5645	0.940392
3	hcs107h06	7754	ZNF204P	0.4732	-0.87649	10.7758	10.8648	-1.06361
5	hcs107h06	7754	ZNF204P	0.332266	-1.26856	10.5278	10.5983	-1.05006
7	hcs107h06	7754	ZNF204P	0.371337	1.14323	10.4375	10.3241	1.08182
1	hcs107h07	10294	DNAJA2	0.202174	1.87149	10.2068	10.4171	0.864378
3	hcs107h07	10294	DNAJA2	0.859679	0.200428	10.5292	10.4989	1.0212
5	hcs107h07	10294	DNAJA2	0.680302	0.477163	10.4177	10.3453	1.05144
7	hcs107h07	10294	DNAJA2	0.527099	0.759019	10.2779	10.1223	1.11394
1	hcs107h08	55333	SYNJ2BP	0.496542	0.824052	10.4683	10.5235	0.962461
3	hcs107h08	55333	SYNJ2BP	0.768391	-0.336699	10.414	10.4943	-1.05729
5	hcs107h08	55333	SYNJ2BP	0.758154	0.352486	10.5621	10.5126	1.03486
7	hcs107h08	55333	SYNJ2BP	0.202872	1.86699	10.2602	10.1726	1.06261
1	hcs107h10	?	?	0.577226	0.659754	10.9373	11.1057	0.889829
3	hcs107h10	?	?	0.928933	0.100759	10.7236	10.699	1.0172
5	hcs107h10	?	?	0.162197	-2.17013	11.0709	11.2361	-1.1213
7	hcs107h10	?	?	0.524782	0.763818	10.8971	10.8461	1.03601
1	hcs107h11	54463	FAM134B	0.153854	2.24529	9.92471	10.1783	0.838834
3	hcs107h11	54463	FAM134B	0.371472	-1.14282	9.79926	10.0661	-1.2032
5	hcs107h11	54463	FAM134B	0.470544	0.882626	10.109	9.97313	1.09876
7	hcs107h11	54463	FAM134B	0.710292	0.428066	9.87912	9.83886	1.0283
1	hcs107h12			0.4498	-0.93182	9.72172	9.65362	1.04834
3	hcs107h12			0.428239	-0.985583	9.62324	9.80623	-1.13524
5	hcs107h12			0.59456	-0.627245	9.52782	9.62572	-1.07021
7	hcs107h12			0.898304	-0.144569	9.47296	9.48304	-1.00701
1	hcs108a01			0.198219	-1.89735	11.414	11.4037	1.00717
3	hcs108a01			0.175645	2.05948	11.5353	11.4775	1.04088
5	hcs108a01			0.0124407	-8.88169	11.4087	11.5942	-1.13724
7	hcs108a01			0.35898	-1.18112	11.0721	11.1432	-1.05047
1	hcs108a02	?	?	0.583674	0.647563	10.9375	11.035	0.934651
3	hcs108a02	?	?	0.192249	1.93772	11.2081	11.1596	1.03419
5	hcs108a02	?	?	0.458299	-0.91138	11.1002	11.1173	-1.01195
7	hcs108a02	?	?	0.140238	-2.38085	10.7016	10.7705	-1.04889
1	hcs108a03	22847	ZNF507	0.550494	0.711647	10.9223	11.0381	0.92287
3	hcs108a03	22847	ZNF507	0.897285	-0.146033	11.3336	11.3561	-1.01572
5	hcs108a03	22847	ZNF507	0.238955	-1.65914	10.8929	11.225	-1.25882
7	hcs108a03	22847	ZNF507	0.216983	-1.78031	10.4014	10.5774	-1.12975
3	hcs108a04	6782	HSPA13	0.762417	-0.345897	10.4955	10.5582	-1.04442
5	hcs108a04	6782	HSPA13	0.348588	1.21419	9.88528	9.73384	1.11067
1	hcs108a06	6648	SOD2	0.366292	1.15852	10.777	10.9016	0.917258
3	hcs108a06	6648	SOD2	0.0333801	5.3354	11.4927	11.1483	1.26959
5	hcs108a06	6648	SOD2	0.751669	0.362551	10.7578	10.7125	1.03195
7	hcs108a06	6648	SOD2	0.436668	0.964224	10.6427	10.5452	1.06987
1	hcs108a08			0.518809	0.776288	12.8472	12.9872	0.90754
3	hcs108a08			0.0449419	-4.55658	12.7224	12.766	-1.03066
5	hcs108a08			0.712443	-0.4246	13.0711	13.0974	-1.01842



7	hcs108a08			0.48353	-0.852965	12.6305	12.8689	-1.17968
1	hcs108a09	84946	LTV1	0.818736	-0.260664	10.2318	10.182	1.03515
3	hcs108a09	84946	LTV1	0.859914	-0.200084	10.3735	10.3905	-1.01186
5	hcs108a09	84946	LTV1	0.252591	1.59099	10.1445	10.0451	1.0713
7	hcs108a09	84946	LTV1	0.51293	0.788699	9.9625	9.89007	1.05148
1	hcs108a10	56990	CDC42SE2	0.429339	-0.982769	10.3333	10.2015	1.09566
3	hcs108a10	56990	CDC42SE2	0.749821	0.365427	10.6156	10.6033	1.00861
5	hcs108a10	56990	CDC42SE2	0.0882699	-3.13878	10.2745	10.3663	-1.06567
7	hcs108a10	56990	CDC42SE2	0.138541	-2.39902	9.75497	10.0037	-1.18814
1	hcs108a11	201283	AMZ2P1	0.0617325	3.83599	10.0445	10.0894	0.969323
3	hcs108a11	201283	AMZ2P1	0.420788	-1.00485	10.6067	10.6867	-1.05704
5	hcs108a11	201283	AMZ2P1	0.539171	-0.73433	10.1661	10.2064	-1.02832
7	hcs108a11	201283	AMZ2P1	0.0382583	-4.96466	9.72228	9.83206	-1.07906
3	hcs108b01	10623	POLR3C	0.279666	-1.46867	9.62107	9.90231	-1.21523
5	hcs108b01	10623	POLR3C	0.947467	-0.0743958	9.79903	9.81276	-1.00956
1	hcs108b03	8082	SSPN	0.796165	0.294448	10.5934	10.6537	0.959043
3	hcs108b03	8082	SSPN	0.719989	-0.412496	10.9019	10.9485	-1.0328
5	hcs108b03	8082	SSPN	0.841675	-0.226766	10.6173	10.6398	-1.01572
7	hcs108b03	8082	SSPN	0.0978453	-2.95735	10.3286	10.4608	-1.09594
1	hcs108b04	8434	RECK	0.504524	0.80669	9.89198	10.0232	0.913029
3	hcs108b04	8434	RECK	0.669642	-0.494987	10.3438	10.4491	-1.07574
5	hcs108b04	8434	RECK	0.200754	-1.88069	10.4283	10.4804	-1.03677
7	hcs108b04	8434	RECK	0.594652	-0.627075	9.95888	10.0561	-1.06974
1	hcs108b05			0.647113	0.533372	10.3513	10.5569	0.867198
3	hcs108b05			0.739241	0.381985	10.9337	10.913	1.01443
5	hcs108b05			0.553	-0.706686	10.535	10.6682	-1.0967
7	hcs108b05			0.287972	-1.43411	10.1867	10.4792	-1.22471
1	hcs108b06	?	?	0.574609	0.664738	10.4375	10.5377	0.932882
3	hcs108b06	?	?	0.213403	1.80158	10.6754	10.5773	1.07031
5	hcs108b06	?	?	0.0565356	-4.02524	10.6319	10.6774	-1.03204
7	hcs108b06	?	?	0.82963	0.244515	10.1629	10.1535	1.00651
5	hcs108b07	51175	TUBE1	0.721245	-0.410491	9.45095	9.50179	-1.03587
5	hcs108b08	8516	ITGA8	0.237822	-1.66502	9.5671	9.75393	-1.13826
1	hcs108b09	79009	DDX50	0.263772	1.53854	10.9442	11.0942	0.901271
3	hcs108b09	79009	DDX50	0.455226	0.918724	11.3158	11.2292	1.06189
5	hcs108b09	79009	DDX50	0.992447	0.0106822	11.095	11.0935	1.00106
7	hcs108b09	79009	DDX50	0.272174	-1.50096	10.7668	10.8152	-1.03412
5	hcs108b10	146691	TOM1L2	0.25475	-1.58064	9.45583	9.57747	-1.08797
1	hcs108b11	144203	OVOS2	0.0535642	-4.14523	9.96478	9.90039	1.04564
3	hcs108b11	144203	OVOS2	0.0607423	-3.87023	10.1948	10.3932	-1.14738
5	hcs108b11	144203	OVOS2	0.637893	-0.54938	9.75708	9.82887	-1.05102
7	hcs108b11	144203	OVOS2	0.571021	0.671602	9.69677	9.59273	1.07478
1	hcs108b12			0.505166	0.805306	10.3629	10.5274	0.892238
3	hcs108b12			0.863253	-0.195223	10.5432	10.5776	-1.02412
5	hcs108b12			0.515296	-0.783687	10.2082	10.3224	-1.08238
7	hcs108b12			0.803	-0.284169	10.0767	10.0985	-1.01521
1	hcs108c01	10413	YAP1	0.608763	0.601216	10.0498	10.1873	0.909108

3	hcs108c01	10413	YAP1	0.80031	-0.28821	10.4383	10.5303	-1.06585
5	hcs108c01	10413	YAP1	0.555111	-0.702521	10.5137	10.8414	-1.25503
7	hcs108c01	10413	YAP1	0.74972	0.365585	9.58549	9.48571	1.07161
1	hcs108c03	7756	ZNF207	0.486786	0.845657	10.8826	11.0028	0.920081
3	hcs108c03	7756	ZNF207	0.801622	-0.286238	11.2686	11.3052	-1.02572
5	hcs108c03	7756	ZNF207	0.218338	-1.77238	10.8544	11.229	-1.29651
7	hcs108c03	7756	ZNF207	0.106143	-2.81945	10.088	10.4202	-1.25891
1	hcs108c05			0.909088	0.129104	10.3319	10.3608	0.980167
3	hcs108c05			0.328419	1.28184	11.0742	10.8734	1.14939
5	hcs108c05			0.130936	2.48443	10.7649	10.4077	1.28097
7	hcs108c05			0.0977139	2.95967	10.4501	10.193	1.19513
1	hcs108c06	22911	WDR47	0.849134	-0.215827	10.8405	10.7676	1.05186
3	hcs108c06	22911	WDR47	0.500799	-0.814759	11.1406	11.3214	-1.13354
5	hcs108c06	22911	WDR47	0.186278	-1.97982	10.5597	10.9541	-1.31439
7	hcs108c06	22911	WDR47	0.535233	-0.742326	10.2444	10.4791	-1.17668
1	hcs108c07	26872	STEAP1	0.948177	-0.0733876	10.5647	10.5458	1.01316
3	hcs108c07	26872	STEAP1	0.967244	0.0463485	11.084	11.0694	1.01016
5	hcs108c07	26872	STEAP1	0.36264	-1.16974	10.6143	11.0079	-1.31373
7	hcs108c07	26872	STEAP1	0.275943	-1.48458	9.87329	10.1076	-1.17634
1	hcs108c09	5500	PPP1CB	0.367375	1.15522	10.4703	10.5418	0.951659
3	hcs108c09	5500	PPP1CB	0.851385	-0.212534	10.9337	10.9828	-1.03461
5	hcs108c09	5500	PPP1CB	0.605041	-0.607986	10.6785	10.8022	-1.08952
7	hcs108c09	5500	PPP1CB	0.630931	-0.56159	10.1068	10.1987	-1.06575
1	hcs108c10	132789	GNPDA2	0.583339	-0.648193	10.2698	10.2131	1.0401
3	hcs108c10	132789	GNPDA2	0.890736	0.155453	10.8017	10.7667	1.02449
5	hcs108c10	132789	GNPDA2	0.0799257	-3.32151	9.98783	10.317	-1.25626
7	hcs108c10	132789	GNPDA2	0.834342	-0.237558	9.89055	9.93489	-1.03122
1	hcs108c11	6428	SRSF3	0.527361	-0.758478	9.64887	9.53081	1.08527
3	hcs108c11	6428	SRSF3	0.334608	-1.26057	10.1707	10.2817	-1.08001
5	hcs108c11	6428	SRSF3	0.904097	-0.136256	9.9803	9.99973	-1.01356
7	hcs108c11	6428	SRSF3	0.433583	-0.971988	9.75649	9.81631	-1.04234
3	hcs108c12			0.119006	-2.63336	9.94588	10.1942	-1.18786
5	hcs108c12			0.444609	-0.944505	9.49286	9.61836	-1.09089
1	hcs108d01	55145	THAP1	0.806391	0.279085	9.88995	9.92483	0.976115
3	hcs108d01	55145	THAP1	0.253449	-1.58686	10.2556	10.5379	-1.21616
5	hcs108d01	55145	THAP1	0.0280944	-5.83964	10.0273	10.2863	-1.19664
7	hcs108d01	55145	THAP1	0.704349	0.43768	9.78818	9.70879	1.05657
3	hcs108d02	7321	UBE2D1	0.090623	-3.09167	9.84359	10.2333	-1.31014
1	hcs108d03	?	?	0.638217	0.548813	10.7909	10.8397	0.96674
3	hcs108d03	?	?	0.63372	-0.556686	11.0245	11.082	-1.04061
5	hcs108d03	?	?	0.411732	-1.02878	10.9489	10.9872	-1.02686
7	hcs108d03	?	?	0.203801	-1.86104	10.5834	10.6339	-1.0356
5	hcs108d04			0.850123	0.214379	9.62206	9.59261	1.02062
1	hcs108d05	5756	TWF1	0.746938	0.369924	10.4238	10.4874	0.956873
3	hcs108d05	5756	TWF1	0.984556	-0.0218433	10.9901	10.9924	-1.00164
5	hcs108d05	5756	TWF1	0.031882	5.46569	10.8989	10.7419	1.11499
7	hcs108d05	5756	TWF1	0.15024	2.27962	10.5078	10.4764	1.022

1	hcs108d06	8516	ITGA8	0.414233	1.02211	10.4699	10.6185	0.902105
3	hcs108d06	8516	ITGA8	0.54296	0.72669	10.7302	10.6937	1.02562
5	hcs108d06	8516	ITGA8	0.640354	-0.545089	10.5474	10.6128	-1.04635
7	hcs108d06	8516	ITGA8	0.0174881	7.46231	10.3564	10.2561	1.072
3	hcs108d07	2824	GPM6B	0.0236483	-6.38688	9.82708	10.0789	-1.19072
5	hcs108d07	2824	GPM6B	0.19209	-1.93882	8.9989	9.15142	-1.11151
1	hcs108d08			0.385684	1.10102	10.5396	10.6788	0.908044
3	hcs108d08			0.778611	-0.321059	11.1193	11.1639	-1.03142
5	hcs108d08			0.638965	-0.547509	10.7049	10.7989	-1.06733
7	hcs108d08			0.710125	0.428336	10.433	10.4255	1.00519
1	hcs108d09	2868	GRK4	0.033941	5.28881	10.1166	10.2477	0.913112
3	hcs108d09	2868	GRK4	0.774453	-0.327409	10.4924	10.5807	-1.06309
5	hcs108d09	2868	GRK4	0.63787	0.54942	10.1303	10.0329	1.06982
7	hcs108d09	2868	GRK4	0.929249	0.100308	9.93299	9.92038	1.00878
1	hcs108d10	8125	ANP32A	0.72001	0.412463	10.7875	10.8128	0.982616
3	hcs108d10	8125	ANP32A	0.216787	-1.78146	10.8311	10.9946	-1.11998
5	hcs108d10	8125	ANP32A	0.125048	-2.55544	10.6099	10.8186	-1.15565
7	hcs108d10	8125	ANP32A	0.339271	-1.24485	10.2695	10.376	-1.07661
1	hcs108d12	3682	ITGAE	0.777383	0.322931	10.2694	10.3508	0.945129
3	hcs108d12	3682	ITGAE	0.880277	0.170541	10.1976	10.148	1.03496
5	hcs108d12	3682	ITGAE	0.403399	1.05132	10.3351	10.1949	1.10203
7	hcs108d12	3682	ITGAE	0.0968249	2.97546	10.0723	10.0143	1.04102
1	hcs108e02	4952	OCRL	0.726245	0.402525	10.8533	10.9055	0.964464
3	hcs108e02	4952	OCRL	0.574767	-0.664437	11.3377	11.4464	-1.07828
5	hcs108e02	4952	OCRL	0.272676	-1.49876	10.7974	11.147	-1.27421
7	hcs108e02	4952	OCRL	0.153615	-2.24753	10.3271	10.7257	-1.3182
1	hcs108e03	9861	PSMD6	0.990694	-0.0131615	11.2163	11.2139	1.00164
3	hcs108e03	9861	PSMD6	0.697423	0.448953	11.4577	11.388	1.0495
5	hcs108e03	9861	PSMD6	0.608048	-0.602514	11.1845	11.3434	-1.11649
7	hcs108e03	9861	PSMD6	0.214484	-1.79511	10.6214	10.8045	-1.13535
1	hcs108e04			0.33721	1.25176	10.7323	10.793	0.958776
3	hcs108e04			0.455917	-0.917069	11.275	11.3154	-1.0284
5	hcs108e04			0.373999	-1.13526	11.0354	11.1662	-1.0949
7	hcs108e04			0.727412	0.400672	10.5042	10.4718	1.02274
1	hcs108e05	307	ANXA4	0.33659	1.25385	9.78675	10.0095	0.856954
3	hcs108e05	307	ANXA4	0.26874	1.51614	10.5225	10.3115	1.15744
5	hcs108e05	307	ANXA4	0.177033	2.04871	10.5145	10.3004	1.15998
7	hcs108e05	307	ANXA4	0.706483	0.434222	10.1666	10.1211	1.03207
3	hcs108e06	?	?	0.921564	0.111268	10.592	10.5482	1.03078
5	hcs108e06	?	?	0.303571	-1.37244	10.5633	10.6967	-1.09688
7	hcs108e06	?	?	0.375893	1.12963	10.7119	10.4832	1.17178
3	hcs108e07			0.152154	-2.26129	10.3204	10.5732	-1.19149
5	hcs108e07			0.395773	1.07241	10.0057	9.74759	1.19589
7	hcs108e07			0.215738	1.78765	9.90528	9.79368	1.08043
3	hcs108e08	1345	COX6C	0.149613	-2.28568	10.1488	10.635	-1.40071
5	hcs108e08	1345	COX6C	0.541265	0.730103	10.1578	10.1073	1.03563
7	hcs108e08	1345	COX6C	0.291607	1.41937	9.90264	9.6288	1.20902

1	hcs108e09	2108	ETFA	0.216672	-1.78214	10.4811	10.4249	1.0397
3	hcs108e09	2108	ETFA	0.76849	-0.336547	10.6792	10.7006	-1.01498
5	hcs108e09	2108	ETFA	0.379078	-1.12023	10.3579	10.4453	-1.06243
7	hcs108e09	2108	ETFA	0.477117	-0.867508	10.2233	10.298	-1.05314
1	hcs108e10	8723	SNX4	0.274183	1.49219	10.8411	11.1546	0.804706
5	hcs108e10	8723	SNX4	0.162607	2.16657	11.1563	10.6711	1.39981
7	hcs108e10	8723	SNX4	0.0277567	5.8766	10.8203	10.4294	1.31121
1	hcs108e11	375757	C9orf119	0.992656	0.0103867	10.1445	10.1461	0.998915
5	hcs108e11	375757	C9orf119	0.837042	-0.23358	10.0133	10.0425	-1.02042
7	hcs108e11	375757	C9orf119	0.447285	0.937946	10.0524	9.96892	1.05956
5	hcs108e12			0.314245	-1.33246	9.48601	9.68474	-1.14768
1	hcs108f01	?	?	0.965943	0.0481913	10.8253	10.8394	0.990251
3	hcs108f01	?	?	0.175179	-2.06311	10.834	11.0169	-1.13522
5	hcs108f01	?	?	0.240819	1.64953	11.2883	10.975	1.24256
7	hcs108f01	?	?	0.749526	0.365888	10.896	10.7982	1.07014
1	hcs108f02	9559	VPS26A	0.532441	0.748028	10.454	10.5051	0.965222
3	hcs108f02	9559	VPS26A	0.716408	-0.418229	10.75	10.8536	-1.07448
5	hcs108f02	9559	VPS26A	0.921791	-0.110944	10.6033	10.6081	-1.00329
7	hcs108f02	9559	VPS26A	0.904489	-0.135694	10.5136	10.5154	-1.00123
1	hcs108f03	306	ANXA3	0.580989	0.652625	10.4201	10.4572	0.974635
3	hcs108f03	306	ANXA3	0.674309	-0.487158	10.481	10.5757	-1.06784
5	hcs108f03	306	ANXA3	0.209042	1.82814	10.6207	10.4673	1.11215
7	hcs108f03	306	ANXA3	0.448026	0.936139	10.3533	10.1239	1.17238
1	hcs108f04			0.608563	0.601579	10.9147	10.9838	0.95321
3	hcs108f04			0.447285	0.937946	11.0907	10.9477	1.10417
5	hcs108f04			0.18903	1.9602	11.3819	11.0678	1.24326
7	hcs108f04			0.0164997	7.68838	11.0427	10.7757	1.20328
1	hcs108f05	10253	SPRY2	0.307358	1.35806	10.1896	10.3071	0.921777
3	hcs108f05	10253	SPRY2	0.694305	-0.454055	10.6599	10.7252	-1.04628
5	hcs108f05	10253	SPRY2	0.887073	-0.160732	10.1502	10.1571	-1.00475
7	hcs108f05	10253	SPRY2	0.0779616	3.36855	10.0165	9.88803	1.09311
1	hcs108f06	5337	PLD1	0.260132	1.5553	10.6453	10.8342	0.877295
3	hcs108f06	5337	PLD1	0.984749	0.0215704	11.0542	11.0519	1.00164
5	hcs108f06	5337	PLD1	0.886146	-0.162067	10.769	10.7946	-1.0179
7	hcs108f06	5337	PLD1	0.22731	1.72145	10.6216	10.5045	1.08459
1	hcs108f07	2239	GPC4	0.92294	-0.109304	10.2139	10.2032	1.00747
3	hcs108f07	2239	GPC4	0.98107	0.0267756	10.7346	10.7295	1.00353
5	hcs108f07	2239	GPC4	0.166173	-2.13615	10.1538	10.2453	-1.06545
7	hcs108f07	2239	GPC4	0.0682466	3.62911	9.96207	9.84939	1.08123
1	hcs108f08	3106	HLA-B	0.203874	1.86058	10.9097	11.1053	0.873189
3	hcs108f08	3106	HLA-B	0.233351	-1.68862	11.161	11.3695	-1.15546
5	hcs108f08	3106	HLA-B	0.60205	0.613453	11.3163	11.2534	1.04456
7	hcs108f08	3106	HLA-B	0.737577	0.384601	10.9307	10.9015	1.02049
1	hcs108f09	7050	TGIF1	0.527337	-0.758527	10.3662	10.2492	1.08445
3	hcs108f09	7050	TGIF1	0.792859	-0.299436	10.3525	10.4261	-1.05236
5	hcs108f09	7050	TGIF1	0.956398	0.0617219	10.489	10.4852	1.00266
7	hcs108f09	7050	TGIF1	0.0381896	4.96939	10.2028	10.0207	1.13454

1	hcs108f10	969	CD69	0.468079	-0.888351	10.7126	10.6905	1.01546
3	hcs108f10	969	CD69	0.871436	-0.183339	10.7661	10.8043	-1.02683
5	hcs108f10	969	CD69	0.562275	-0.688501	10.6776	10.7667	-1.06371
7	hcs108f10	969	CD69	0.689751	-0.461532	10.3841	10.4077	-1.01649
3	hcs108f11	286343	C9orf150	0.117064	-2.65959	9.30457	9.59628	-1.22409
1	hcs108f12	6675	UAP1	0.25011	1.60303	10.265	10.2981	0.977318
3	hcs108f12	6675	UAP1	0.70109	-0.442975	10.2657	10.3829	-1.08458
5	hcs108f12	6675	UAP1	0.551626	-0.709402	10.1994	10.3543	-1.11337
7	hcs108f12	6675	UAP1	0.955508	-0.0629838	9.95682	9.9613	-1.00311
1	hcs108g01	26127	FGFR1OP2	0.76243	0.345877	10.5841	10.6263	0.97115
3	hcs108g01	26127	FGFR1OP2	0.853706	0.209141	10.7374	10.6995	1.02659
5	hcs108g01	26127	FGFR1OP2	0.565969	0.681334	10.3397	10.1738	1.12185
7	hcs108g01	26127	FGFR1OP2	0.0062860	12.5533	10.4495	10.1407	1.23868
1	hcs108g02	6157	RPL27A	0.734129	-0.390036	12.2772	12.2079	1.04921
3	hcs108g02	6157	RPL27A	0.6001	-0.61703	12.3156	12.3892	-1.05234
5	hcs108g02	6157	RPL27A	0.670632	-0.493324	12.3415	12.4243	-1.0591
7	hcs108g02	6157	RPL27A	0.243133	-1.63774	11.8718	12.1639	-1.22439
1	hcs108g03	2790	GNG10	0.344042	1.22903	10.7188	10.8431	0.917471
3	hcs108g03	2790	GNG10	0.562384	-0.688289	11.0161	11.0561	-1.02811
5	hcs108g03	2790	GNG10	0.126508	-2.53741	10.8538	10.9173	-1.04497
7	hcs108g03	2790	GNG10	0.645019	0.536991	10.7341	10.6703	1.04522
1	hcs108g04	?	?	0.369116	1.14993	11.6308	11.7889	0.896204
3	hcs108g04	?	?	0.122259	-2.59074	11.7429	11.7862	-1.03044
5	hcs108g04	?	?	0.793843	0.297951	11.9775	11.9312	1.03264
7	hcs108g04	?	?	0.557139	-0.698535	11.6027	11.7284	-1.09099
1	hcs108g05	3842	TNPO1	0.571411	0.670854	10.7448	10.8897	0.904436
3	hcs108g05	3842	TNPO1	0.909734	0.128179	11.2454	11.2135	1.0224
5	hcs108g05	3842	TNPO1	0.391611	-1.08411	10.8366	11.1286	-1.22439
7	hcs108g05	3842	TNPO1	0.143289	-2.34893	10.229	10.5707	-1.26728
1	hcs108g06	10628	TXNIP	0.448717	-0.934454	11.3523	11.3336	1.01302
3	hcs108g06	10628	TXNIP	0.0336852	5.30992	11.5169	11.4433	1.05234
5	hcs108g06	10628	TXNIP	0.612875	-0.593776	11.3276	11.3597	-1.0225
7	hcs108g06	10628	TXNIP	0.296592	-1.39953	10.8629	10.9764	-1.08187
1	hcs108g07	10109	ARPC2	0.104886	-2.83934	12.8958	12.369	1.4407
3	hcs108g07	10109	ARPC2	0.16549	2.14191	12.7783	12.3511	1.34462
5	hcs108g07	10109	ARPC2	0.2347	1.68144	12.8393	12.342	1.41154
7	hcs108g07	10109	ARPC2	0.233428	1.68821	12.2177	11.9528	1.20155
1	hcs108g08	9551	ATP5J2	0.486332	-0.846673	11.5297	11.3988	1.095
3	hcs108g08	9551	ATP5J2	0.0047533	14.4527	11.9131	11.6561	1.19502
5	hcs108g08	9551	ATP5J2	0.45704	0.914383	11.6836	11.6182	1.04638
7	hcs108g08	9551	ATP5J2	0.306612	-1.36088	11.1175	11.2363	-1.08586
1	hcs108g09	80012	PHC3	0.988546	-0.0161997	10.1637	10.162	1.0012
3	hcs108g09	80012	PHC3	0.977269	0.0321547	10.8219	10.8153	1.00459
5	hcs108g09	80012	PHC3	0.294408	-1.40817	10.0386	10.3696	-1.25789
7	hcs108g09	80012	PHC3	0.196622	-1.90799	9.76229	10.1501	-1.30844
1	hcs108g10			0.733832	-0.390504	10.7851	10.7424	1.03002
3	hcs108g10			0.151392	2.26855	11.2731	11.0671	1.15351

5	hcs108g10			0.111419	-2.73946	10.4322	10.6892	-1.19496
7	hcs108g10			0.0523377	-4.19763	10.1149	10.3324	-1.16276
1	hcs108g11	647979	LOC647979	0.0617052	3.83693	10.3939	10.5684	0.886074
3	hcs108g11	647979	LOC647979	0.110957	-2.74625	10.8281	10.8997	-1.05088
5	hcs108g11	647979	LOC647979	0.351474	1.20489	10.4922	10.4225	1.0495
7	hcs108g11	647979	LOC647979	0.104678	-2.84266	10.2912	10.4208	-1.09404
1	hcs108g12	?	?	0.534488	0.743844	10.7531	10.8277	0.949606
3	hcs108g12	?	?	0.644679	0.53758	10.9424	10.9266	1.01106
5	hcs108g12	?	?	0.376803	-1.12693	10.618	10.6789	-1.04316
7	hcs108g12	?	?	0.891133	-0.154882	10.3678	10.3858	-1.01253
1	hcs108h03	27031	NPHP3	0.647785	0.532212	9.85252	10.0155	0.893168
3	hcs108h03	27031	NPHP3	0.168284	-2.11855	9.97534	10.5044	-1.44302
5	hcs108h03	27031	NPHP3	0.330782	1.27366	9.91703	9.69542	1.16604
7	hcs108h03	27031	NPHP3	0.313627	1.33472	9.93901	9.85634	1.05897
1	hcs108h05	?	?	0.300452	1.38445	10.0546	10.7669	0.61036
3	hcs108h05	?	?	0.931069	-0.0977158	10.6777	10.6941	-1.01143
5	hcs108h05	?	?	0.831133	0.242293	10.7433	10.6889	1.03843
7	hcs108h05	?	?	0.801516	0.286397	10.397	10.367	1.02104
1	hcs108h06	29889	GNL2	0.146685	-2.3145	10.4265	10.1908	1.17751
3	hcs108h06	29889	GNL2	0.110481	-2.75328	10.3066	10.6476	-1.26669
5	hcs108h06	29889	GNL2	0.698513	-0.447173	10.3202	10.3405	-1.01411
5	hcs108h07	54802	TRIT1	0.206035	-1.84688	9.97663	10.1198	-1.10431
7	hcs108h07	54802	TRIT1	0.0321208	5.44432	10.1261	9.91205	1.15996
1	hcs108h09	?	?	0.188399	1.96466	10.3878	10.7433	0.781581
3	hcs108h09	?	?	0.973322	-0.0377413	10.6031	10.6142	-1.00772
5	hcs108h09	?	?	0.69342	-0.455505	10.5979	10.6318	-1.02375
7	hcs108h09	?	?	0.195056	1.91853	10.6389	10.499	1.10183
1	hcs108h10	4666	NACA	0.432903	0.97371	10.6652	10.8428	0.884193
3	hcs108h10	4666	NACA	0.599705	-0.617755	10.4069	10.6111	-1.15202
5	hcs108h10	4666	NACA	0.512121	0.790417	10.9151	10.8624	1.0372
7	hcs108h10	4666	NACA	0.585501	-0.644129	10.5874	10.7418	-1.11293
1	hcs108h11	8893	EIF2B5	0.24386	1.63406	10.0471	10.2301	0.880898
3	hcs108h11	8893	EIF2B5	0.346321	-1.22156	9.90127	10.2111	-1.23954
5	hcs108h11	8893	EIF2B5	0.721114	0.410699	10.2069	10.173	1.02375
7	hcs108h11	8893	EIF2B5	0.650523	0.527496	9.94544	9.90526	1.02824
1	hcs108h12	6143	RPL19	0.620527	0.580041	11.9102	11.9621	0.964665
3	hcs108h12	6143	RPL19	0.627959	0.566835	11.6409	11.5472	1.06713
5	hcs108h12	6143	RPL19	0.322756	1.30174	12.088	11.971	1.08443
7	hcs108h12	6143	RPL19	0.589376	-0.63688	11.7817	11.8851	-1.07425
1	hcs109a01	84140	FAM161A	0.324537	1.29544	11.7364	11.9963	0.835146
5	hcs109a01	84140	FAM161A	0.122035	2.59362	11.917	11.6026	1.24352
7	hcs109a01	84140	FAM161A	0.141892	2.36343	11.919	11.5495	1.29185
3	hcs109a02	5962	RDX	0.477544	0.866535	11.0911	10.812	1.21341
5	hcs109a02	5962	RDX	0.389697	-1.08954	10.6276	10.7803	-1.11162
7	hcs109a02	5962	RDX	0.529038	0.755017	10.538	10.4241	1.08217
5	hcs109a03	4673	NAP1L1	0.117568	-2.65272	9.81095	10.0763	-1.20192
7	hcs109a03	4673	NAP1L1	0.446416	-0.940071	9.83386	9.94463	-1.07981

1	hcs109a04	7769	ZNF226	0.455401	0.918306	10.8954	11.0174	0.918934
3	hcs109a04	7769	ZNF226	0.914469	0.121404	11.4574	11.4318	1.0179
7	hcs109a04	7769	ZNF226	0.858147	-0.20266	10.8508	10.8758	-1.01743
3	hcs109a05	26511	CHIC2	0.335366	1.258	11.6202	11.4613	1.11641
5	hcs109a05	26511	CHIC2	0.97389	-0.036938	11.1657	11.1697	-1.00273
7	hcs109a05	26511	CHIC2	0.209079	1.82791	11.027	10.9831	1.03092
1	hcs109a06	348110	C15orf38	0.382308	-1.11079	10.6145	10.4391	1.12925
3	hcs109a06	348110	C15orf38	0.527429	0.758336	10.9537	10.8397	1.08225
5	hcs109a06	348110	C15orf38	0.313287	-1.33598	10.3406	10.5101	-1.12469
7	hcs109a06	348110	C15orf38	0.604095	-0.609714	10.3786	10.4772	-1.07078
1	hcs109a07	?	?	0.423953	0.996619	10.6285	10.7428	0.923831
3	hcs109a07	?	?	0.496164	0.824881	11.1417	11.0597	1.05844
5	hcs109a07	?	?	0.252747	-1.59024	10.7044	10.8828	-1.13165
7	hcs109a07	?	?	0.632868	0.558182	10.4821	10.4476	1.0242
1	hcs109a08			0.836629	-0.234188	10.217	10.17	1.0331
5	hcs109a08			0.212861	-1.80484	9.99981	10.1737	-1.12812
7	hcs109a08			0.89321	0.151892	9.89567	9.88964	1.00419
1	hcs109a09	153339	TMEM167/0.19089	1.94715	9.737	10.0006	0.833014	
3	hcs109a09	153339	TMEM167/0.638411	0.548476	10.8545	10.7907	1.04519	
5	hcs109a09	153339	TMEM167/0.543855	-0.724894	10.0076	10.1547	-1.10732	
7	hcs109a09	153339	TMEM167/0.550745	-0.711148	9.88868	9.9358	-1.0332	
1	hcs109a10	4089	SMAD4	0.364736	1.16328	10.4368	10.5903	0.899067
3	hcs109a10	4089	SMAD4	0.961431	0.0545855	10.6635	10.6604	1.00213
5	hcs109a10	4089	SMAD4	0.437954	-0.961004	10.2257	10.3597	-1.09731
7	hcs109a10	4089	SMAD4	0.450871	-0.929222	10.312	10.3535	-1.02919
1	hcs109a11	54677	CROT	0.290872	1.42233	11.0124	11.1958	0.880605
3	hcs109a11	54677	CROT	0.513203	0.788121	11.3874	11.328	1.04208
5	hcs109a11	54677	CROT	0.109764	-2.76397	11.1091	11.1761	-1.04754
7	hcs109a11	54677	CROT	0.314529	-1.33142	10.8661	10.9529	-1.06199
1	hcs109a12	23438	HARS2	0.303963	1.37094	10.8263	11.0958	0.829626
3	hcs109a12	23438	HARS2	0.73561	0.3877	11.1365	11.0323	1.07492
5	hcs109a12	23438	HARS2	0.745993	0.371401	10.748	10.7015	1.03276
7	hcs109a12	23438	HARS2	0.721706	0.409754	10.7347	10.7226	1.0084
1	hcs109b01	4694	NDUFA1	0.178492	2.03752	10.8914	11.1175	0.854943
3	hcs109b01	4694	NDUFA1	0.985695	-0.0202326	11.3337	11.3353	-1.00111
5	hcs109b01	4694	NDUFA1	0.106892	-2.80775	11.1859	11.2682	-1.05875
7	hcs109b01	4694	NDUFA1	0.899078	0.143458	10.9453	10.931	1.01001
1	hcs109b02	167227	DCP2	0.884947	0.163797	10.6016	10.6483	0.968171
3	hcs109b02	167227	DCP2	0.896756	-0.146793	10.7406	10.7603	-1.0137
5	hcs109b02	167227	DCP2	0.860807	-0.198784	10.6409	10.6654	-1.01717
7	hcs109b02	167227	DCP2	0.40209	1.0549	10.466	10.3087	1.1152
1	hcs109b03	79694	MANEA	0.171664	2.091	10.5815	10.8508	0.829722
3	hcs109b03	79694	MANEA	0.324949	-1.29399	11.1151	11.1802	-1.04616
5	hcs109b03	79694	MANEA	0.962387	0.0532299	10.753	10.7503	1.0019
7	hcs109b03	79694	MANEA	0.771795	-0.331477	10.3242	10.3447	-1.01433
3	hcs109b04	9653	HS2ST1	0.710494	0.427742	11.0588	11.0147	1.03102
5	hcs109b04	9653	HS2ST1	0.0917992	-3.06878	10.3043	10.3785	-1.05276

7	hcs109b04	9653	HS2ST1	0.542187	0.728245	10.2753	10.1554	1.08662
1	hcs109b05	57826	RAP2C	0.504302	0.80717	10.4463	10.5794	0.91187
3	hcs109b05	57826	RAP2C	0.70816	-0.431509	10.8067	10.8398	-1.02318
5	hcs109b05	57826	RAP2C	0.658912	-0.513144	10.5707	10.6176	-1.03299
7	hcs109b05	57826	RAP2C	0.593626	-0.628976	10.2312	10.291	-1.04236
1	hcs109b06	285550	FAM200B	0.109004	2.77539	11.4095	11.6229	0.862502
3	hcs109b06	285550	FAM200B	0.814935	0.266322	11.82	11.8011	1.01316
5	hcs109b06	285550	FAM200B	0.161808	2.17351	11.5684	11.4063	1.11891
7	hcs109b06	285550	FAM200B	0.497633	0.821662	11.2307	11.0975	1.09672
1	hcs109b09	730130	TMEM229A	0.317876	1.31923	10.7722	10.9145	0.906094
3	hcs109b09	730130	TMEM229A	0.526959	-0.759307	10.7649	10.9531	-1.13934
5	hcs109b09	730130	TMEM229A	0.457825	-0.912511	10.6518	10.7455	-1.06713
7	hcs109b09	730130	TMEM229A	0.268157	1.51874	10.4627	10.3869	1.05395
1	hcs109b10	84910	TMEM87B	0.348401	-1.2148	10.1082	9.95119	1.11497
3	hcs109b10	84910	TMEM87B	0.245523	-1.6257	10.033	10.3304	-1.2289
5	hcs109b10	84910	TMEM87B	0.81862	-0.260836	9.78205	9.80177	-1.01377
7	hcs109b10	84910	TMEM87B	0.909657	0.128289	9.65989	9.6483	1.00806
1	hcs109b11			0.240958	1.64881	10.033	10.1121	0.946666
3	hcs109b11			0.418275	-1.01143	10.1154	10.3598	-1.18458
5	hcs109b11			0.313975	-1.33344	9.94146	10.0788	-1.09991
7	hcs109b11			0.275636	1.4859	9.79308	9.63611	1.11494
1	hcs109b12	?	?	0.261722	-1.54794	11.2716	11.2378	1.02373
3	hcs109b12	?	?	0.913671	-0.122545	11.359	11.3836	-1.01722
5	hcs109b12	?	?	0.065737	-3.70528	11.1313	11.2986	-1.1229
7	hcs109b12	?	?	0.70222	0.441136	10.8089	10.7962	1.00889
1	hcs109c01	64343	AZI2	0.374192	1.13468	9.76272	9.86034	0.934572
3	hcs109c01	64343	AZI2	0.348312	-1.21508	9.67343	10.0141	-1.26637
5	hcs109c01	64343	AZI2	0.912348	-0.124437	9.80309	9.81733	-1.00992
7	hcs109c01	64343	AZI2	0.233082	1.69006	9.88877	9.53828	1.27499
1	hcs109c02	23432	GPR161	0.350138	1.20919	9.90993	10.1143	0.867948
3	hcs109c02	23432	GPR161	0.547126	-0.718348	10.0015	10.1366	-1.09814
5	hcs109c02	23432	GPR161	0.476717	0.868423	10.0455	9.92467	1.08737
7	hcs109c02	23432	GPR161	0.00974711	10.0547	10.0083	9.81858	1.14054
1	hcs109c03	51072	MEMO1	0.287157	1.43744	10.5676	10.7642	0.872625
3	hcs109c03	51072	MEMO1	0.623852	-0.574118	10.5986	10.7564	-1.11558
5	hcs109c03	51072	MEMO1	0.276653	1.48152	10.8621	10.7589	1.0741
7	hcs109c03	51072	MEMO1	0.583369	0.648137	10.4117	10.3949	1.01167
1	hcs109c04	10289	EIF1B	0.123347	2.57684	10.6004	10.939	0.790808
3	hcs109c04	10289	EIF1B	0.942618	0.0812841	10.7911	10.7709	1.01412
5	hcs109c04	10289	EIF1B	0.733418	0.391159	10.8214	10.7803	1.0289
7	hcs109c04	10289	EIF1B	0.671034	0.492648	10.6416	10.5509	1.06489
1	hcs109c06			0.532421	0.748069	10.442	10.5713	0.914254
3	hcs109c06			0.883432	-0.165983	10.591	10.6302	-1.02752
5	hcs109c06			0.713766	-0.422472	10.5237	10.5786	-1.03879
7	hcs109c06			0.318319	1.31763	10.3258	10.1607	1.12118
1	hcs109c07	120103	SLC36A4	0.246885	1.61891	11.4107	11.8906	0.717044
3	hcs109c07	120103	SLC36A4	0.627636	0.567406	11.4352	11.2889	1.10668



5	hcs109c07	120103	SLC36A4	0.221109	1.75636	11.8048	11.3575	1.36345
7	hcs109c07	120103	SLC36A4	0.0817246	3.27987	11.5728	11.1217	1.36702
1	hcs109c08	57703	CWC22	0.306217	1.36237	10.1405	10.3335	0.874785
3	hcs109c08	57703	CWC22	0.742378	-0.377061	10.328	10.42	-1.0658
5	hcs109c08	57703	CWC22	0.68939	0.462128	10.3033	10.255	1.03407
7	hcs109c08	57703	CWC22	0.14055	2.37754	10.135	10.0364	1.07075
1	hcs109c09	23037	PDZD2	0.544741	0.723117	10.721	10.8801	0.895563
3	hcs109c09	23037	PDZD2	0.645157	-0.536753	10.8308	10.8954	-1.04582
5	hcs109c09	23037	PDZD2	0.9799	-0.0284315	10.68	10.683	-1.00208
7	hcs109c09	23037	PDZD2	0.371274	1.14342	10.5943	10.4578	1.09929
1	hcs109c10	?	?	0.371896	1.14155	11.1497	11.3283	0.88356
3	hcs109c10	?	?	0.815624	-0.265296	11.169	11.2078	-1.02724
5	hcs109c10	?	?	0.624727	0.572562	11.2139	11.1365	1.05509
7	hcs109c10	?	?	0.363685	1.16652	11.172	10.989	1.13524
1	hcs109c11	?	?	0.105761	2.82545	10.4412	10.7543	0.804892
3	hcs109c11	?	?	0.977516	0.0318052	10.7248	10.7174	1.00514
5	hcs109c11	?	?	0.609838	0.599267	10.6751	10.6141	1.04316
7	hcs109c11	?	?	0.614931	0.590071	10.6919	10.6536	1.02688
1	hcs109c12	27249	MMADHC	0.698596	0.447039	11.2162	11.3869	0.888412
3	hcs109c12	27249	MMADHC	0.464762	0.896105	11.1042	11.0188	1.06098
5	hcs109c12	27249	MMADHC	0.120929	2.60797	11.548	11.1202	1.34515
7	hcs109c12	27249	MMADHC	0.343332	1.23136	11.206	11.0708	1.09822
1	hcs109d01	31	ACACA	0.631266	0.561	11.1508	11.1984	0.967522
3	hcs109d01	31	ACACA	0.90632	-0.133068	11.4872	11.5061	-1.01323
5	hcs109d01	31	ACACA	0.0249337	-6.21392	11.1884	11.3296	-1.10287
7	hcs109d01	31	ACACA	0.481853	0.856749	10.9289	10.8895	1.02766
1	hcs109d02	183	AGT	0.824425	0.252218	10.9324	10.9555	0.984139
3	hcs109d02	183	AGT	0.510111	0.7947	11.2712	11.2135	1.04083
5	hcs109d02	183	AGT	0.850219	0.21424	10.9918	10.9528	1.0274
7	hcs109d02	183	AGT	0.539294	0.734083	10.6841	10.5957	1.06317
1	hcs109d03	158219	TTC39B	0.759899	0.349786	10.0607	10.1015	0.9721
3	hcs109d03	158219	TTC39B	0.515172	0.78395	10.791	10.5844	1.15394
5	hcs109d03	158219	TTC39B	0.699957	-0.44482	10.2834	10.3124	-1.02025
7	hcs109d03	158219	TTC39B	0.191798	-1.94084	9.81184	9.99599	-1.13614
1	hcs109d04	9444	QKI	0.400589	1.05903	10.1488	10.288	0.908001
3	hcs109d04	9444	QKI	0.40139	1.05683	10.9049	10.6083	1.22825
5	hcs109d04	9444	QKI	0.877678	0.174298	10.4407	10.423	1.01234
7	hcs109d04	9444	QKI	0.859978	-0.199991	10.0044	10.0225	-1.01261
1	hcs109d05	57129	MRPL47	0.368393	1.15212	10.8228	10.9708	0.9025
3	hcs109d05	57129	MRPL47	0.389611	1.08978	11.3565	11.2853	1.05059
5	hcs109d05	57129	MRPL47	0.109415	-2.7692	10.9495	11.0169	-1.0478
7	hcs109d05	57129	MRPL47	0.80735	-0.27765	10.6468	10.6746	-1.01946
1	hcs109d06	9039	UBA3	0.613573	0.592518	11.2056	11.2541	0.966919
3	hcs109d06	9039	UBA3	0.311555	1.34238	11.6071	11.3919	1.16086
5	hcs109d06	9039	UBA3	0.217479	1.7774	10.9868	10.7827	1.15198
7	hcs109d06	9039	UBA3	0.236039	1.67437	10.9246	10.884	1.02859
1	hcs109d07	23011	RAB21	0.500579	-0.815236	10.8203	10.6941	1.09144

5	hcs109d07	23011	RAB21	0.631443	-0.560688	10.552	10.6351	-1.05931
7	hcs109d07	23011	RAB21	0.105467	-2.8301	10.0691	10.3249	-1.19397
1	hcs109d08	9314	KLF4	0.571833	0.670045	10.8041	10.9722	0.889993
3	hcs109d08	9314	KLF4	0.853682	-0.209176	11.3003	11.3317	-1.02198
5	hcs109d08	9314	KLF4	0.3492	-1.21221	10.9885	11.0572	-1.04877
7	hcs109d08	9314	KLF4	0.145964	-2.32171	10.6335	10.7575	-1.0898
1	hcs109d09	?	?	0.757404	-0.353647	10.4672	10.4437	1.01639
3	hcs109d09	?	?	0.153388	-2.24965	10.6252	10.6806	-1.03915
5	hcs109d09	?	?	0.710884	0.427113	10.3005	10.2559	1.03138
7	hcs109d09	?	?	0.79165	-0.301263	10.0304	10.0831	-1.03717
1	hcs109d10	8630	HSD17B6	0.574646	-0.664666	10.8715	10.8232	1.03407
3	hcs109d10	8630	HSD17B6	0.352371	-1.20202	11.2233	11.2483	-1.01748
5	hcs109d10	8630	HSD17B6	0.11971	-2.624	10.8509	10.9194	-1.04867
7	hcs109d10	8630	HSD17B6	0.757073	0.354159	10.6026	10.5817	1.01457
1	hcs109d11	11259	FILIP1L	0.361314	1.17385	10.4768	10.5022	0.982525
3	hcs109d11	11259	FILIP1L	0.955849	-0.0624992	10.6991	10.7096	-1.0073
5	hcs109d11	11259	FILIP1L	0.236352	1.67272	10.7287	10.5217	1.15431
7	hcs109d11	11259	FILIP1L	0.727964	0.399794	10.5641	10.4544	1.07903
1	hcs109d12	79718	TBL1XR1	0.689546	0.46187	10.7251	10.7815	0.961639
3	hcs109d12	79718	TBL1XR1	0.201105	-1.87841	10.6559	10.8502	-1.14417
5	hcs109d12	79718	TBL1XR1	0.6681	-0.497583	10.6922	10.7448	-1.03708
7	hcs109d12	79718	TBL1XR1	0.785508	0.310565	10.5028	10.4577	1.03175
1	hcs109e01	157638	FAM84B	0.534524	-0.743772	9.5293	9.3222	1.15437
5	hcs109e01	157638	FAM84B	0.459983	0.907378	9.67428	9.45512	1.16406
1	hcs109e02	54386	TERF2IP	0.367673	1.15431	10.445	10.6101	0.891867
3	hcs109e02	54386	TERF2IP	0.7857	-0.310274	10.5109	10.5982	-1.0624
5	hcs109e02	54386	TERF2IP	0.737082	-0.38538	10.5048	10.5731	-1.04843
7	hcs109e02	54386	TERF2IP	0.177432	2.04564	10.3225	10.2094	1.08151
1	hcs109e03	55471	C2orf56	0.483391	0.85328	11.5322	11.734	0.869485
3	hcs109e03	55471	C2orf56	0.651855	0.525208	11.4351	11.3336	1.07289
5	hcs109e03	55471	C2orf56	0.213911	1.79854	11.8166	11.5372	1.21369
7	hcs109e03	55471	C2orf56	0.0504591	4.28147	11.4284	11.1643	1.20089
1	hcs109e04	?	?	0.536915	0.738905	9.99586	10.0519	0.961907
3	hcs109e04	?	?	0.666799	-0.499777	10.3132	10.4031	-1.06431
5	hcs109e04	?	?	0.592823	0.630465	10.3158	10.2055	1.07945
7	hcs109e04	?	?	0.43337	-0.972528	9.9415	10.0203	-1.05612
1	hcs109e05	29968	PSAT1	0.532504	0.747898	11.173	11.3519	0.883397
3	hcs109e05	29968	PSAT1	0.945435	0.0772824	11.4056	11.3914	1.00994
5	hcs109e05	29968	PSAT1	0.432541	-0.974625	11.2977	11.3491	-1.03627
7	hcs109e05	29968	PSAT1	0.802308	-0.285207	10.9827	11.0053	-1.01579
1	hcs109e06	4919	ROR1	0.568522	0.676406	10.7991	10.8485	0.96636
3	hcs109e06	4919	ROR1	0.965557	-0.048739	11.158	11.1655	-1.00521
5	hcs109e06	4919	ROR1	0.738677	-0.382871	11.2467	11.2902	-1.03063
7	hcs109e06	4919	ROR1	0.386914	1.09749	10.6596	10.5878	1.05098
1	hcs109e07	51714	SELT	0.608167	0.602298	11.1407	11.2436	0.931138
3	hcs109e07	51714	SELT	0.259615	1.55771	11.5018	11.3803	1.08792
5	hcs109e07	51714	SELT	0.111333	2.74071	11.4205	11.2261	1.1443

7	hcs109e07	51714	SELT	0.122717	2.58486	11.0742	10.8083	1.20236
1	hcs109e08			0.374016	1.13521	10.6665	10.8813	0.861646
3	hcs109e08			0.590779	-0.634265	10.9825	11.0594	-1.05477
5	hcs109e08			0.788368	0.306229	10.7873	10.7748	1.00873
7	hcs109e08			0.439789	0.956429	10.5903	10.5392	1.03605
3	hcs109e09	221178	SPATA13	0.872931	0.181171	12.0232	11.9909	1.02264
5	hcs109e09	221178	SPATA13	0.297268	1.39687	12.0832	11.6919	1.3116
7	hcs109e09	221178	SPATA13	0.0197407	7.01154	12.2122	11.6663	1.45993
1	hcs109e10	114915	NCRNA002	0.406685	1.04237	10.0545	10.1093	0.96275
3	hcs109e10	114915	NCRNA002	0.53371	-0.745433	10.2362	10.4042	-1.12347
5	hcs109e10	114915	NCRNA002	0.990063	-0.0140534	9.9784	9.98031	-1.00133
7	hcs109e10	114915	NCRNA002	0.210705	1.81793	9.99741	9.87559	1.08811
1	hcs109e11	3364	HUS1	0.162251	2.16966	10.3125	10.5871	0.826679
3	hcs109e11	3364	HUS1	0.281567	-1.46065	10.5796	10.7658	-1.13782
5	hcs109e11	3364	HUS1	0.172528	-2.08408	10.541	10.5783	-1.02624
7	hcs109e11	3364	HUS1	0.234262	1.68376	10.4573	10.3192	1.1004
1	hcs109e12	?	?	0.474525	0.873443	11.4811	11.6413	0.89488
3	hcs109e12	?	?	0.494285	0.829011	11.5739	11.4566	1.08468
5	hcs109e12	?	?	0.208922	1.82888	11.6359	11.3048	1.25794
7	hcs109e12	?	?	0.0761414	3.41369	11.5537	11.1853	1.29092
3	hcs109f01	57222	ERGIC1	0.916568	0.118404	10.0194	9.99074	1.02008
5	hcs109f01	57222	ERGIC1	0.916497	-0.118505	10.2314	10.2519	-1.01428
1	hcs109f02	4217	MAP3K5	0.381521	-1.11308	10.9915	10.8659	1.09094
3	hcs109f02	4217	MAP3K5	0.525651	0.762016	11.2192	11.1176	1.07299
5	hcs109f02	4217	MAP3K5	0.686865	0.466289	10.8893	10.8393	1.03526
7	hcs109f02	4217	MAP3K5	0.247113	-1.61778	10.6658	10.7331	-1.0478
1	hcs109f03	11163	NUDT4	0.228179	-1.71666	11.995	11.8588	1.09901
3	hcs109f03	11163	NUDT4	0.0906233	3.09167	12.209	11.9119	1.22862
5	hcs109f03	11163	NUDT4	0.139556	2.38812	12.1324	11.6219	1.42461
7	hcs109f03	11163	NUDT4	0.00600061	12.8511	11.7612	11.4917	1.20536
1	hcs109f04	9663	LPIN2	0.224808	1.73538	10.7868	10.9068	0.920187
3	hcs109f04	9663	LPIN2	0.275039	1.48848	11.3928	11.1639	1.17194
5	hcs109f04	9663	LPIN2	0.321369	-1.30668	11.0015	11.1873	-1.13747
7	hcs109f04	9663	LPIN2	0.485493	-0.848553	10.6438	10.6965	-1.0372
1	hcs109f05	9616	RNF7	0.267708	1.52075	10.7316	11.0177	0.820097
3	hcs109f05	9616	RNF7	0.650135	0.528163	11.4458	11.418	1.01946
5	hcs109f05	9616	RNF7	0.843157	0.22459	11.2505	11.2222	1.01981
7	hcs109f05	9616	RNF7	0.377211	1.12573	10.8254	10.6688	1.11463
1	hcs109f06	54069	C21orf45	0.106559	2.81294	11.2278	11.2641	0.97513
3	hcs109f06	54069	C21orf45	0.516947	0.780204	11.3705	11.2292	1.1029
5	hcs109f06	54069	C21orf45	0.787677	0.307276	10.7274	10.6951	1.02262
7	hcs109f06	54069	C21orf45	0.301129	1.38183	10.7104	10.5272	1.1354
1	hcs109f07	3899	AFF3	0.198924	1.89269	10.2806	10.4568	0.885023
3	hcs109f07	3899	AFF3	0.121762	-2.59714	10.7403	10.8971	-1.11482
5	hcs109f07	3899	AFF3	0.0516227	4.22901	10.3365	10.1946	1.10338
7	hcs109f07	3899	AFF3	0.740382	-0.380191	9.78958	9.85833	-1.0488
1	hcs109f08	6210	RPS15A	0.629313	-0.564442	12.4503	12.4072	1.03033

3	hcs109f08	6210	RPS15A	0.686027	0.467674	12.2879	12.2426	1.03195
5	hcs109f08	6210	RPS15A	0.156429	2.22151	12.4994	12.4324	1.04754
7	hcs109f08	6210	RPS15A	0.536291	0.740173	12.3474	12.1991	1.10824
1	hcs109f09	6039	RNASE6	0.908602	0.129799	10.4363	10.4622	0.982185
3	hcs109f09	6039	RNASE6	0.51575	-0.782729	10.7436	10.8886	-1.10573
5	hcs109f09	6039	RNASE6	0.474314	-0.873928	10.5738	10.6752	-1.07284
7	hcs109f09	6039	RNASE6	0.706035	0.434947	10.3491	10.2308	1.08545
1	hcs109f10	55308	DDX19A	0.77689	0.323684	10.6649	10.7366	0.951538
3	hcs109f10	55308	DDX19A	0.388057	-1.09422	10.8635	11.0049	-1.10292
5	hcs109f10	55308	DDX19A	0.298532	-1.39192	10.7878	10.8635	-1.05387
7	hcs109f10	55308	DDX19A	0.404021	1.04962	10.5031	10.4094	1.06705
1	hcs109f11	5494	PPM1A	0.236782	-1.67046	11.1257	10.9255	1.14886
3	hcs109f11	5494	PPM1A	0.777894	-0.322152	11.0932	11.1425	-1.03476
5	hcs109f11	5494	PPM1A	0.166562	2.13289	10.9661	10.8	1.122
7	hcs109f11	5494	PPM1A	0.0675145	3.65091	10.6317	10.4598	1.12654
1	hcs109f12			0.294944	1.40605	11.359	11.4883	0.914296
3	hcs109f12			0.780453	0.318251	11.43	11.3563	1.05241
5	hcs109f12			0.396318	1.07088	11.4694	11.3929	1.05448
7	hcs109f12			0.698823	0.446668	11.1922	11.1703	1.0153
1	hcs109g01	51012	SLMO2	0.438424	-0.959832	10.1207	10.0402	1.05738
3	hcs109g01	51012	SLMO2	0.802446	0.285001	10.3086	10.2729	1.02504
5	hcs109g01	51012	SLMO2	0.400495	-1.05929	10.1608	10.3149	-1.11273
1	hcs109g02	1486	CTBS	0.110181	-2.75773	10.4341	10.3362	1.0702
3	hcs109g02	1486	CTBS	0.991503	-0.0120163	10.6935	10.6961	-1.00186
5	hcs109g02	1486	CTBS	0.058029	3.96834	10.3731	10.1357	1.17881
7	hcs109g02	1486	CTBS	0.146143	2.31992	10.3081	10.0228	1.21866
1	hcs109g03	79642	ARSJ	0.590268	0.635217	10.7267	10.8769	0.901147
3	hcs109g03	79642	ARSJ	0.754597	0.358	10.9863	10.9442	1.02956
5	hcs109g03	79642	ARSJ	0.17703	-2.04874	10.8036	10.9606	-1.11494
7	hcs109g03	79642	ARSJ	0.836773	0.233976	10.3763	10.3628	1.00938
3	hcs109g04	9378	NRXN1	0.713715	0.422555	10.971	10.9048	1.04691
5	hcs109g04	9378	NRXN1	0.0446427	-4.57291	10.6256	10.8018	-1.12993
7	hcs109g04	9378	NRXN1	0.774285	0.327665	10.4825	10.4667	1.01101
1	hcs109g05	23601	CLEC5A	0.366716	1.15722	11.3186	11.5537	0.849645
3	hcs109g05	23601	CLEC5A	0.195961	1.91243	11.7069	11.5185	1.1395
5	hcs109g05	23601	CLEC5A	0.209329	1.82637	11.3765	11.2448	1.09556
7	hcs109g05	23601	CLEC5A	0.0817375	3.27957	11.3031	11.1535	1.10921
3	hcs109g06	94239	H2AFV	0.909983	0.127822	11.475	11.4593	1.01099
5	hcs109g06	94239	H2AFV	0.393234	-1.07953	11.2348	11.3769	-1.10346
1	hcs109g07	11098	PRSS23	0.231333	1.69946	11.3297	11.5531	0.856545
3	hcs109g07	11098	PRSS23	0.537726	0.737259	11.5076	11.3851	1.08859
5	hcs109g07	11098	PRSS23	0.929341	0.100177	11.4552	11.4422	1.00903
7	hcs109g07	11098	PRSS23	0.477654	-0.866284	11.0501	11.1526	-1.07366
1	hcs109g08	79739	TTLL7	0.651136	-0.526443	11.8161	11.6991	1.0845
3	hcs109g08	79739	TTLL7	0.224597	1.73657	11.8924	11.5464	1.27106
5	hcs109g08	79739	TTLL7	0.200759	1.88066	11.9933	11.5303	1.37841
7	hcs109g08	79739	TTLL7	0.0273187	5.92553	11.5363	11.0542	1.39678

1	hcs109g09	6335	SCN9A	0.301259	1.38133	10.2434	10.386	0.905869
3	hcs109g09	6335	SCN9A	0.323	-1.30087	10.4523	10.6206	-1.12373
5	hcs109g09	6335	SCN9A	0.248297	-1.61193	10.2747	10.3346	-1.04239
7	hcs109g09	6335	SCN9A	0.840493	-0.228502	10.0454	10.0531	-1.00533
1	hcs109g10	254065	BRWD3	0.513587	0.787305	9.55449	9.68663	0.912479
3	hcs109g10	254065	BRWD3	0.292949	-1.41399	9.60883	9.89358	-1.2182
5	hcs109g10	254065	BRWD3	0.0369041	-5.0603	9.2806	9.31366	-1.02318
7	hcs109g10	254065	BRWD3	0.0586458	3.94546	9.62998	9.53914	1.065
1	hcs109g11	2353	FOS	0.912754	-0.123857	11.2205	11.1917	1.02014
3	hcs109g11	2353	FOS	0.651995	0.524967	11.1289	11.0555	1.05224
5	hcs109g11	2353	FOS	0.0716573	3.53184	11.1956	10.9485	1.18679
7	hcs109g11	2353	FOS	0.0123929	8.89913	11.077	10.8923	1.13663
1	hcs109g12	?	?	0.341935	1.23598	9.97179	10.2021	0.852436
3	hcs109g12	?	?	0.385655	-1.10111	10.1367	10.3543	-1.16276
5	hcs109g12	?	?	0.841781	-0.22661	10.0522	10.0961	-1.03086
7	hcs109g12	?	?	0.0706156	3.56083	10.0387	9.96686	1.05109
1	hcs109h01	?	?	0.320829	1.30861	10.1346	10.2014	0.954758
3	hcs109h01	?	?	0.523909	-0.765632	10.5759	10.7327	-1.11476
5	hcs109h01	?	?	0.653915	-0.521677	10.3151	10.3332	-1.01258
7	hcs109h01	?	?	0.331184	1.27228	10.0304	9.80084	1.1725
1	hcs109h02	7465	WEE1	0.665162	0.502541	11.0096	11.0439	0.976506
3	hcs109h02	7465	WEE1	0.943104	-0.0805943	11.2019	11.2127	-1.00754
5	hcs109h02	7465	WEE1	0.990749	0.0130841	11.0842	11.0833	1.00062
7	hcs109h02	7465	WEE1	0.494954	0.827539	10.7331	10.6241	1.07846
1	hcs109h03	10048	RANBP9	0.279549	1.46916	10.8909	11.0292	0.90861
3	hcs109h03	10048	RANBP9	0.748098	-0.368114	11.2748	11.3066	-1.02233
5	hcs109h03	10048	RANBP9	0.747181	-0.369546	10.8965	10.9649	-1.0486
7	hcs109h03	10048	RANBP9	0.405476	1.04565	10.8048	10.6776	1.09212
1	hcs109h04	?	?	0.685348	0.468796	11.0377	11.0905	0.964064
3	hcs109h04	?	?	0.381979	-1.11175	11.1014	11.1949	-1.06696
5	hcs109h04	?	?	0.562127	-0.688788	10.9449	10.9807	-1.02515
7	hcs109h04	?	?	0.427865	-0.986541	10.5297	10.5774	-1.03359
1	hcs109h05	9516	LITAF	0.295355	1.40442	10.9432	11.054	0.926074
3	hcs109h05	9516	LITAF	0.0462425	4.48742	11.472	11.3376	1.09761
5	hcs109h05	9516	LITAF	0.401445	-1.05668	11.2114	11.2907	-1.05655
7	hcs109h05	9516	LITAF	0.528432	0.756266	10.8794	10.8364	1.03028
1	hcs109h07	5701	PSMC2	0.327638	1.28456	10.9852	11.0837	0.934025
3	hcs109h07	5701	PSMC2	0.893736	0.151135	11.2859	11.2631	1.01593
5	hcs109h07	5701	PSMC2	0.63555	-0.553477	11.0779	11.1182	-1.02835
7	hcs109h07	5701	PSMC2	0.612118	0.595142	10.7335	10.6196	1.08215
1	hcs109h08	9499	MYOT	0.131112	-2.48236	10.2981	10.2373	1.04302
3	hcs109h08	9499	MYOT	0.840483	-0.228516	10.6597	10.681	-1.01486
5	hcs109h08	9499	MYOT	0.270901	1.50656	10.182	10.139	1.03029
7	hcs109h08	9499	MYOT	0.228697	1.71381	9.90324	9.79515	1.0778
1	hcs109h09	4976	OPA1	0.262162	1.54592	10.3348	10.3789	0.969924
3	hcs109h09	4976	OPA1	0.0800552	-3.31847	10.563	10.7505	-1.13883
5	hcs109h09	4976	OPA1	0.709017	0.430124	10.2633	10.219	1.03123

7	hcs109h09	4976	OPA1	0.581162	0.652298	9.97161	9.94386	1.01942
1	hcs109h10	9422	ZNF264	0.864665	-0.19317	10.662	10.6479	1.00984
3	hcs109h10	9422	ZNF264	0.417995	-1.01217	10.7527	10.9442	-1.14192
5	hcs109h10	9422	ZNF264	0.703528	-0.439012	10.5304	10.573	-1.02997
7	hcs109h10	9422	ZNF264	0.6596	0.511973	10.4009	10.2882	1.08128
1	hcs109h11	840	CASP7	0.381517	-1.11309	10.1726	10.0818	1.06498
3	hcs109h11	840	CASP7	0.377227	-1.12568	10.1501	10.3184	-1.12374
5	hcs109h11	840	CASP7	0.356046	-1.19034	10.0737	10.1241	-1.03554
7	hcs109h11	840	CASP7	0.68306	0.472585	9.72099	9.659	1.0439
1	hcs109h12			0.687089	0.46592	10.3322	10.3555	0.983956
3	hcs109h12			0.202972	-1.86635	10.5081	10.6807	-1.12705
5	hcs109h12			0.30052	-1.38419	10.2324	10.3245	-1.06589
7	hcs109h12			0.295351	1.40443	10.1251	10.0431	1.05845
1	hcs110a02	5311	PKD2	0.592042	-0.631915	10.0444	9.99852	1.03231
3	hcs110a02	5311	PKD2	0.487257	-0.844604	9.94487	10.0859	-1.10273
5	hcs110a02	5311	PKD2	0.141419	2.36838	10.1406	9.8998	1.18162
7	hcs110a02	5311	PKD2	0.155666	2.2285	9.97905	9.53221	1.36305
1	hcs110a04	79809	TTC21B	0.421179	1.00383	10.2131	10.3177	0.930041
3	hcs110a04	79809	TTC21B	0.693485	-0.455398	10.2691	10.3961	-1.09201
5	hcs110a04	79809	TTC21B	0.765239	-0.341548	10.3808	10.42	-1.02754
7	hcs110a04	79809	TTC21B	0.372889	1.13857	10.1225	10.024	1.07069
1	hcs110a05	51117	COQ4	0.540768	0.731104	11.5405	11.6353	0.936381
3	hcs110a05	51117	COQ4	0.614612	0.590646	11.674	11.5585	1.08335
5	hcs110a05	51117	COQ4	0.480784	0.859168	11.7111	11.624	1.06221
7	hcs110a05	51117	COQ4	0.941869	-0.0823496	11.524	11.5304	-1.00445
1	hcs110a06	121536	AEBP2	0.71386	0.422322	10.6804	10.7354	0.962594
3	hcs110a06	121536	AEBP2	0.962491	-0.0530836	10.8133	10.8272	-1.00966
5	hcs110a06	121536	AEBP2	0.667139	-0.499202	10.6738	10.757	-1.05932
7	hcs110a06	121536	AEBP2	0.139432	2.38944	10.6058	10.4885	1.0847
1	hcs110a07	137492	VPS37A	0.337496	1.2508	10.3124	10.4858	0.886751
3	hcs110a07	137492	VPS37A	0.637531	-0.550012	10.6072	10.7772	-1.12503
5	hcs110a07	137492	VPS37A	0.314692	1.33082	10.5336	10.378	1.1139
7	hcs110a07	137492	VPS37A	0.358232	1.18346	10.4708	10.2401	1.17343
1	hcs110a08			0.211598	1.81248	10.1796	10.5316	0.783497
3	hcs110a08			0.804648	-0.281697	10.5501	10.6198	-1.0495
5	hcs110a08			0.474622	0.873221	10.596	10.5177	1.05572
7	hcs110a08			0.646265	0.534836	10.2798	10.2015	1.05575
1	hcs110a09	79893	GGNBP2	0.204413	1.85714	10.9871	11.1789	0.875493
3	hcs110a09	79893	GGNBP2	0.912771	0.123833	11.0424	11.0172	1.01762
5	hcs110a09	79893	GGNBP2	0.86399	-0.194152	10.9852	11.0167	-1.02207
7	hcs110a09	79893	GGNBP2	0.460405	0.906379	11.0251	10.8881	1.09964
1	hcs110a10	55270	NUDT15	0.237243	1.66805	10.6618	10.85	0.87768
3	hcs110a10	55270	NUDT15	0.977565	0.0317357	10.813	10.8059	1.00489
5	hcs110a10	55270	NUDT15	0.953867	0.0653113	10.8055	10.7978	1.00533
7	hcs110a10	55270	NUDT15	0.192805	1.93389	10.6448	10.5911	1.03792
1	hcs110a11	130507	UBR3	0.264792	1.5339	10.557	10.8339	0.825344
3	hcs110a11	130507	UBR3	0.912439	-0.124307	10.7363	10.7614	-1.01755

5	hcs110a11	130507	UBR3	0.659523	-0.512103	10.5652	10.6461	-1.0577
7	hcs110a11	130507	UBR3	0.538125	0.736449	10.6612	10.6228	1.02693
1	hcs110a12			0.257905	1.5657	10.6096	10.885	0.826221
3	hcs110a12			0.700179	0.444459	10.916	10.8471	1.04894
5	hcs110a12			0.254454	1.58204	11.1236	10.8422	1.21543
7	hcs110a12			0.114591	2.6939	10.8326	10.7536	1.05624
1	hcs110b01	501	ALDH7A1	0.119401	2.6281	10.4292	10.6026	0.88675
3	hcs110b01	501	ALDH7A1	0.507951	-0.799321	10.7334	11.0308	-1.2289
5	hcs110b01	501	ALDH7A1	0.406862	1.04189	10.611	10.4179	1.14324
7	hcs110b01	501	ALDH7A1	0.483085	0.853969	10.6728	10.5047	1.1236
1	hcs110b02			0.350582	1.20776	10.9434	11.073	0.914064
3	hcs110b02			0.813451	-0.268535	11.3315	11.3692	-1.0265
5	hcs110b02			0.149213	-2.28957	10.8801	11.0315	-1.1107
7	hcs110b02			0.991048	0.012661	10.7595	10.7584	1.00079
1	hcs110b03	7326	UBE2G1	0.260043	1.55571	10.396	10.5344	0.908547
3	hcs110b03	7326	UBE2G1	0.392172	1.08252	10.6949	10.5256	1.12457
5	hcs110b03	7326	UBE2G1	0.455184	0.918824	10.4513	10.3745	1.0547
7	hcs110b03	7326	UBE2G1	0.922912	-0.109345	10.277	10.29	-1.0091
1	hcs110b04	51144	HSD17B12	0.091668	3.07131	10.8147	11.1248	0.806586
3	hcs110b04	51144	HSD17B12	0.214037	1.79778	11.1541	11.0784	1.0539
5	hcs110b04	51144	HSD17B12	0.563863	0.685414	10.7054	10.6865	1.01321
7	hcs110b04	51144	HSD17B12	0.661637	0.508511	10.5928	10.4941	1.07081
1	hcs110b06	3998	LMAN1	0.0491158	4.34427	10.7798	10.9855	0.867098
3	hcs110b06	3998	LMAN1	0.222241	1.74989	10.9691	10.8824	1.06199
5	hcs110b06	3998	LMAN1	0.672322	-0.490487	10.5877	10.6352	-1.03347
7	hcs110b06	3998	LMAN1	0.613296	-0.593017	10.5181	10.5955	-1.05514
1	hcs110b07	728190	LOC728190	0.890218	-0.156199	10.4768	10.4548	1.01534
3	hcs110b07	728190	LOC728190	0.604306	0.609327	10.8593	10.6994	1.11717
5	hcs110b07	728190	LOC728190	0.379142	-1.12004	10.2609	10.4715	-1.15716
7	hcs110b07	728190	LOC728190	0.414073	-1.02254	9.78138	9.98567	-1.15212
3	hcs110b09			0.979853	0.0284974	11.2481	11.2445	1.00248
5	hcs110b09			0.613855	-0.592008	11.0263	11.0401	-1.00956
7	hcs110b09			0.869925	-0.18553	10.74	10.7672	-1.01901
1	hcs110b10	10915	TCERG1	0.220443	1.76019	10.3218	10.4381	0.922551
3	hcs110b10	10915	TCERG1	0.406493	-1.04289	10.7008	10.7571	-1.0398
5	hcs110b10	10915	TCERG1	0.21097	-1.81631	10.2814	10.4365	-1.1135
7	hcs110b10	10915	TCERG1	0.746177	0.371114	10.2359	10.1751	1.04299
1	hcs110b11	51430	C1orf9	0.208065	1.83419	9.94888	10.1594	0.864246
3	hcs110b11	51430	C1orf9	0.588	-0.63945	10.437	10.5735	-1.09927
5	hcs110b11	51430	C1orf9	0.680451	-0.476915	10.0154	10.0892	-1.05248
7	hcs110b11	51430	C1orf9	0.912416	0.124341	9.96633	9.94028	1.01822
1	hcs110b12	9063	PIAS2	0.851987	-0.211653	10.3417	10.3085	1.02328
3	hcs110b12	9063	PIAS2	0.598353	-0.620242	10.4612	10.5072	-1.03242
5	hcs110b12	9063	PIAS2	0.0024805	-20.041	10.2342	10.3681	-1.09723
7	hcs110b12	9063	PIAS2	0.10009	2.91844	10.1169	10.03	1.06209
1	hcs110c02	100129387	LOC1001290	0.322997	1.30089	10.7323	10.9199	0.878065
3	hcs110c02	100129387	LOC1001290	0.979249	0.0293525	10.8487	10.8411	1.00526

5	hcs110c02	100129387	LOC100129	0.821459	-0.256619	10.8262	10.8385	-1.00859
7	hcs110c02	100129387	LOC100129	0.082616	3.25971	10.6007	10.5207	1.05697
1	hcs110c03	27030	MLH3	0.318665	1.31638	10.7051	10.8989	0.8743
3	hcs110c03	27030	MLH3	0.768654	-0.336296	10.7035	10.7906	-1.06223
5	hcs110c03	27030	MLH3	0.811181	0.271922	10.9014	10.8757	1.01797
7	hcs110c03	27030	MLH3	0.751238	0.36322	10.5632	10.5436	1.01368
1	hcs110c04			0.45565	0.917709	10.6051	10.7605	0.897883
3	hcs110c04			0.820294	0.258348	10.8556	10.81	1.03216
5	hcs110c04			0.738375	0.383346	10.9689	10.9369	1.0224
7	hcs110c04			0.84076	0.228111	10.4666	10.4437	1.01598
1	hcs110c10	10771	ZMYND11	0.147955	2.30191	10.5657	10.7292	0.892835
3	hcs110c10	10771	ZMYND11	0.741851	-0.377887	10.6152	10.7083	-1.06668
5	hcs110c10	10771	ZMYND11	0.630239	0.562809	10.6582	10.6135	1.03142
7	hcs110c10	10771	ZMYND11	0.448962	0.933857	10.4689	10.3397	1.09369
1	hcs110d02			0.539494	0.733678	11.4028	11.4996	0.935126
3	hcs110d02			0.944013	0.0793017	11.7736	11.7673	1.00435
5	hcs110d02			0.0766264	-3.40151	11.4031	11.5701	-1.12267
7	hcs110d02			0.438142	-0.960535	11.1198	11.1663	-1.03278
1	hcs110d04	7026	NR2F2	0.540863	-0.730913	11.0559	11.0112	1.03147
3	hcs110d04	7026	NR2F2	0.21485	1.79293	11.3478	11.1203	1.17083
7	hcs110d04	7026	NR2F2	0.802137	-0.285464	10.7174	10.7558	-1.02695
1	hcs110d08	7291	TWIST1	0.675478	-0.485203	11.6158	11.5577	1.04107
3	hcs110d08	7291	TWIST1	0.0242939	6.29832	11.759	11.6267	1.09606
5	hcs110d08	7291	TWIST1	0.750117	0.364966	11.5575	11.5191	1.02697
7	hcs110d08	7291	TWIST1	0.173797	2.07399	11.2661	11.1345	1.09553
3	hcs110d09			0.645456	0.536235	12.9898	12.9424	1.0334
7	hcs110d09			0.0194604	7.06338	13.2461	12.9361	1.23976
1	hcs110d10	?	?	0.608245	0.602157	11.0466	11.1255	0.946758
3	hcs110d10	?	?	0.808159	0.276438	11.2606	11.2258	1.02441
5	hcs110d10	?	?	0.318795	-1.31591	11.2367	11.3816	-1.10563
7	hcs110d10	?	?	0.594621	-0.627132	10.8816	10.9243	-1.03006
1	hcs110d11	50937	CDON	0.33676	1.25328	10.8482	10.9968	0.902125
3	hcs110d11	50937	CDON	0.788474	-0.306069	11.1725	11.2466	-1.0527
5	hcs110d11	50937	CDON	0.410532	-1.03199	10.8406	10.9984	-1.11556
7	hcs110d11	50937	CDON	0.362933	1.16884	10.957	10.775	1.13448
1	hcs110d12	283927	NUDT7	0.237528	1.66656	11.002	11.1478	0.903857
3	hcs110d12	283927	NUDT7	0.850659	0.213596	11.0508	11.0076	1.0304
5	hcs110d12	283927	NUDT7	0.362769	-1.16934	10.9784	11.1163	-1.10028
7	hcs110d12	283927	NUDT7	0.954183	0.0648639	10.7679	10.7664	1.00106
1	hcs110e01	?	?	0.285182	1.44557	11.352	11.7099	0.780282
3	hcs110e01	?	?	0.299358	1.3887	11.564	11.256	1.23799
5	hcs110e01	?	?	0.298555	1.39184	11.8278	11.4408	1.30767
7	hcs110e01	?	?	0.0518636	4.21837	11.3206	10.9984	1.25021
1	hcs110e02			0.34129	1.23812	10.6049	10.8292	0.85601
3	hcs110e02			0.666481	-0.500313	10.6646	10.751	-1.06172
5	hcs110e02			0.27797	-1.47588	10.6558	10.7502	-1.0676
7	hcs110e02			0.449929	-0.931506	10.3274	10.3769	-1.03486



1	hcs110e03	7905	REEP5	0.666562	0.500177	10.4587	10.5807	0.918892
3	hcs110e03	7905	REEP5	0.784701	-0.31179	10.4307	10.4984	-1.04804
5	hcs110e03	7905	REEP5	0.471612	-0.880154	10.5051	10.5939	-1.06346
7	hcs110e03	7905	REEP5	0.377739	1.12417	10.1807	10.03	1.11008
1	hcs110e04	84002	B3GNT5	0.344518	1.22746	10.5014	10.6712	0.888966
3	hcs110e04	84002	B3GNT5	0.790942	-0.302333	10.9569	11.0104	-1.0378
5	hcs110e04	84002	B3GNT5	0.213411	-1.80153	10.9895	11.1278	-1.10058
7	hcs110e04	84002	B3GNT5	0.812338	-0.270194	10.4763	10.4925	-1.01125
1	hcs110e05	?	?	0.469613	0.884785	11.4626	11.6184	0.897635
3	hcs110e05	?	?	0.46633	0.892431	11.7814	11.7226	1.04162
5	hcs110e05	?	?	0.304839	-1.3676	11.5983	11.7221	-1.08955
7	hcs110e05	?	?	0.54907	-0.714474	11.3958	11.435	-1.02752
5	hcs110e06	?	?	0.317527	1.32049	13.4155	12.8767	1.4528
7	hcs110e06	?	?	0.296763	1.39886	13.2889	12.954	1.26123
1	hcs110e07	389677	RBM12B	0.328203	1.2826	10.273	10.4185	0.904087
3	hcs110e07	389677	RBM12B	0.738887	-0.38254	10.3806	10.4804	-1.07162
5	hcs110e07	389677	RBM12B	0.372746	1.139	10.3166	10.1624	1.1128
7	hcs110e07	389677	RBM12B	0.136578	2.42043	10.1496	9.97811	1.12619
1	hcs110e08	5469	MED1	0.331536	1.27107	11.0573	11.2678	0.864217
3	hcs110e08	5469	MED1	0.510109	0.794705	11.438	11.3189	1.08606
5	hcs110e08	5469	MED1	0.637381	-0.550273	11.2496	11.3083	-1.0415
7	hcs110e08	5469	MED1	0.992747	0.0102569	10.8809	10.8802	1.00046
1	hcs110e09	22982	DIP2C	0.286936	1.43835	12.6274	12.8712	0.844499
3	hcs110e09	22982	DIP2C	0.376144	1.12888	12.411	12.2502	1.11793
5	hcs110e09	22982	DIP2C	0.406743	1.04221	12.2063	11.918	1.2212
7	hcs110e09	22982	DIP2C	0.0332141	5.34941	12.8349	12.2829	1.46618
1	hcs110e10	?	?	0.350123	1.20923	10.7321	10.9755	0.844733
3	hcs110e10	?	?	0.640364	-0.545071	10.8908	10.9504	-1.04218
5	hcs110e10	?	?	0.634345	-0.555589	10.742	10.8054	-1.04495
7	hcs110e10	?	?	0.74154	0.378374	10.6751	10.6445	1.02144
1	hcs110e11			0.151079	2.27154	10.1228	10.293	0.888738
3	hcs110e11			0.340546	-1.24059	10.3502	10.5529	-1.15082
5	hcs110e11			0.0565	-4.02662	10.1111	10.2172	-1.07629
7	hcs110e11			0.928184	0.101826	10.0769	10.0741	1.00195
1	hcs110e12	?	?	0.633289	0.557443	10.4393	10.569	0.914
3	hcs110e12	?	?	0.805245	0.280802	10.6318	10.5909	1.0288
5	hcs110e12	?	?	0.614943	0.59005	10.5126	10.4197	1.06646
7	hcs110e12	?	?	0.163892	2.1555	10.4733	10.437	1.02547
1	hcs110f01	135293	PM20D2	0.333651	1.26383	10.6655	10.848	0.881195
3	hcs110f01	135293	PM20D2	0.706819	-0.433678	11.2069	11.265	-1.04112
5	hcs110f01	135293	PM20D2	0.725936	0.403016	10.9927	10.9558	1.02593
7	hcs110f01	135293	PM20D2	0.0812122	3.29159	10.7867	10.3882	1.31808
1	hcs110f02	90701	SEC11C	0.885062	0.163632	11.0209	11.0396	0.987122
3	hcs110f02	90701	SEC11C	0.940471	-0.0843358	11.2277	11.24	-1.00852
5	hcs110f02	90701	SEC11C	0.606952	0.604506	10.9949	10.9174	1.05516
7	hcs110f02	90701	SEC11C	0.550038	0.712552	10.8548	10.7181	1.09939
1	hcs110f03	5716	PSMD10	0.809832	0.273938	10.515	10.5229	0.994516

3	hcs110f03	5716	PSMD10	0.647573	-0.532577	10.4837	10.5799	-1.06896
5	hcs110f03	5716	PSMD10	0.214577	1.79455	10.6753	10.5355	1.10175
7	hcs110f03	5716	PSMD10	0.937038	0.0892183	10.1924	10.1788	1.00948
3	hcs110f04	7128	TNFAIP3	0.585105	0.644874	11.2188	11.1053	1.08185
5	hcs110f04	7128	TNFAIP3	0.622382	0.576734	10.7892	10.7592	1.02099
7	hcs110f04	7128	TNFAIP3	0.594376	-0.627586	10.6352	10.702	-1.04737
1	hcs110f05	5494	PPM1A	0.0649741	3.72928	10.6922	10.8717	0.882988
3	hcs110f05	5494	PPM1A	0.191794	1.94086	11.2207	11.1306	1.06442
5	hcs110f05	5494	PPM1A	0.273907	-1.49339	10.9046	10.962	-1.04064
7	hcs110f05	5494	PPM1A	0.736108	-0.386915	10.3625	10.4081	-1.03209
1	hcs110f06	57149	LYRM1	0.877235	-0.17494	11.3453	11.3269	1.01286
3	hcs110f06	57149	LYRM1	0.413347	1.02447	11.5944	11.3639	1.17324
5	hcs110f06	57149	LYRM1	0.835823	0.235376	11.0473	11.0192	1.01972
7	hcs110f06	57149	LYRM1	0.149456	2.28721	11.3552	11.0236	1.25847
1	hcs110f07	5635	PRPSAP1	0.583477	0.647933	10.5458	10.7176	0.887755
3	hcs110f07	5635	PRPSAP1	0.499472	-0.817648	10.6271	10.7492	-1.08837
5	hcs110f07	5635	PRPSAP1	0.898	0.145007	10.6692	10.665	1.00292
7	hcs110f07	5635	PRPSAP1	0.889375	-0.157414	10.0112	10.0438	-1.02279
1	hcs110f08	79675	FASTKD1	0.532332	-0.74825	10.2329	10.2005	1.02274
3	hcs110f08	79675	FASTKD1	0.636155	0.552417	10.6474	10.5975	1.03522
5	hcs110f08	79675	FASTKD1	0.468001	0.888532	10.0849	9.9522	1.09635
7	hcs110f08	79675	FASTKD1	0.462525	0.901367	9.9874	9.83506	1.11138
1	hcs110f09	4040	LRP6	0.271787	1.50266	10.1061	10.1895	0.943824
5	hcs110f09	4040	LRP6	0.951495	0.0686771	10.1424	10.1372	1.00359
1	hcs110f10	10142	AKAP9	1	-8.22e-015	10.6733	10.6733	0.999977
3	hcs110f10	10142	AKAP9	0.913259	-0.123134	10.5877	10.6118	-1.01689
5	hcs110f10	10142	AKAP9	0.79391	-0.297849	10.4955	10.5245	-1.0203
1	hcs110f11	9342	SNAP29	0.534787	0.743236	10.8174	10.9388	0.919316
3	hcs110f11	9342	SNAP29	0.391606	-1.08412	10.9236	11.1079	-1.13624
5	hcs110f11	9342	SNAP29	0.997974	0.0028648	10.8746	10.8744	1.00014
7	hcs110f11	9342	SNAP29	0.642941	0.540592	10.6246	10.5504	1.05278
1	hcs110f12			0.439295	0.957659	10.658	10.7105	0.964264
3	hcs110f12			0.712569	-0.424398	10.7243	10.8176	-1.06678
5	hcs110f12			0.360925	-1.17506	10.5294	10.6428	-1.08175
7	hcs110f12			0.798754	0.290549	10.2463	10.2019	1.0313
1	hcs110g01	345778	MTX3	0.923028	0.109179	9.6215	9.63126	0.993258
3	hcs110g01	345778	MTX3	0.56466	-0.683869	9.88887	10.0373	-1.10835
5	hcs110g01	345778	MTX3	0.0904161	-3.09575	9.43219	9.5953	-1.1197
7	hcs110g01	345778	MTX3	0.309609	-1.34961	9.3207	9.50598	-1.13704
1	hcs110g02	23451	SF3B1	0.786547	0.30899	10.4578	10.5215	0.956807
3	hcs110g02	23451	SF3B1	0.598127	-0.620659	10.6608	10.7695	-1.07828
5	hcs110g02	23451	SF3B1	0.510381	-0.794124	10.6245	10.724	-1.0714
7	hcs110g02	23451	SF3B1	0.896466	0.147211	10.3193	10.3046	1.01026
1	hcs110g03	28513	CDH19	0.50792	0.799387	10.4523	10.6204	0.890034
3	hcs110g03	28513	CDH19	0.590264	0.635225	10.6863	10.5835	1.07386
5	hcs110g03	28513	CDH19	0.27992	-1.46759	10.3194	10.452	-1.09624
7	hcs110g03	28513	CDH19	0.728329	0.399216	10.2189	10.1976	1.01484

1	hcs110g04	7091	TLE4	0.275121	1.48813	10.4787	10.8116	0.793957
3	hcs110g04	7091	TLE4	0.886557	0.161475	10.8518	10.8332	1.013
5	hcs110g04	7091	TLE4	0.188582	-1.96336	10.6268	10.7749	-1.10811
7	hcs110g04	7091	TLE4	0.788449	-0.306106	10.6212	10.6492	-1.0196
1	hcs110g05	5257	PHKB	0.396832	1.06945	10.6396	10.7913	0.900168
3	hcs110g05	5257	PHKB	0.445539	0.942221	11.0062	10.9206	1.06113
5	hcs110g05	5257	PHKB	0.218767	-1.76988	10.3284	10.5037	-1.12917
7	hcs110g05	5257	PHKB	0.997075	-0.004136	10.4403	10.4405	-1.00014
1	hcs110g06	10472	ZNF238	0.452607	0.925025	10.5183	10.616	0.934522
3	hcs110g06	10472	ZNF238	0.925421	0.105765	10.7042	10.6921	1.00845
5	hcs110g06	10472	ZNF238	0.0102695	-9.79174	10.2362	10.3894	-1.11204
7	hcs110g06	10472	ZNF238	0.286418	-1.44048	10.2123	10.2412	-1.02026
7	hcs110g07	?	?	0.453023	-0.924022	9.55171	9.64341	-1.06563
1	hcs110g08	25852	ARMC8	0.0629368	3.79542	10.2287	10.4333	0.867779
3	hcs110g08	25852	ARMC8	0.215663	-1.7881	10.626	10.7829	-1.11489
5	hcs110g08	25852	ARMC8	0.194792	-1.92032	10.3806	10.5049	-1.08995
7	hcs110g08	25852	ARMC8	0.755078	0.357252	10.173	10.1385	1.02421
1	hcs110g09	79627	OGFRL1	0.875908	0.17686	11.5353	11.5675	0.97795
3	hcs110g09	79627	OGFRL1	0.493247	0.831301	11.7509	11.7108	1.02819
5	hcs110g09	79627	OGFRL1	0.0445083	-4.58029	11.4612	11.5662	-1.07549
7	hcs110g09	79627	OGFRL1	0.142306	-2.35911	11.3948	11.43	-1.02472
1	hcs110g10	54927	CHCHD3	0.614448	0.590941	11.1241	11.209	0.942872
3	hcs110g10	54927	CHCHD3	0.216691	-1.78203	11.2106	11.3278	-1.0846
5	hcs110g10	54927	CHCHD3	0.762473	-0.34581	11.0306	11.0516	-1.01471
7	hcs110g10	54927	CHCHD3	0.0117615	-9.13927	10.9009	10.9216	-1.01445
1	hcs110g11	340351	AGBL3	0.819054	0.260192	10.3872	10.4208	0.977002
3	hcs110g11	340351	AGBL3	0.278672	-1.47289	10.5321	10.6838	-1.1109
5	hcs110g11	340351	AGBL3	0.728751	-0.398546	10.3925	10.4243	-1.02231
7	hcs110g11	340351	AGBL3	0.853865	0.208909	10.2903	10.2786	1.00814
1	hcs110g12	342184	FMN1	0.647873	0.53206	10.9342	11.0431	0.927295
3	hcs110g12	342184	FMN1	0.963644	0.0514486	10.9954	10.9895	1.00412
5	hcs110g12	342184	FMN1	0.972378	0.0390778	10.8196	10.8119	1.0054
7	hcs110g12	342184	FMN1	0.662596	-0.506885	10.6044	10.6472	-1.03016
1	hcs110h01	54534	MRPL50	0.837775	0.232501	10.1685	10.2079	0.973073
3	hcs110h01	54534	MRPL50	0.249427	-1.60637	10.5085	10.705	-1.14594
5	hcs110h01	54534	MRPL50	0.361073	-1.1746	10.2811	10.4834	-1.15058
7	hcs110h01	54534	MRPL50	0.728514	0.398922	10.0857	10.0287	1.0403
1	hcs110h02	79647	AKIRIN1	0.235998	1.67458	10.9085	11.1337	0.855496
3	hcs110h02	79647	AKIRIN1	0.825913	-0.250013	11.1943	11.2058	-1.00803
5	hcs110h02	79647	AKIRIN1	0.207583	-1.83719	11.1257	11.2571	-1.09536
7	hcs110h02	79647	AKIRIN1	0.620699	0.579734	10.8091	10.7434	1.04662
1	hcs110h03	?	?	0.451329	0.928113	11.7623	11.8379	0.948969
3	hcs110h03	?	?	0.46935	0.885394	12.0574	11.9494	1.07771
5	hcs110h03	?	?	0.514863	0.784603	11.8101	11.7555	1.0386
7	hcs110h03	?	?	0.72998	-0.396597	11.5714	11.6202	-1.0344
3	hcs110h04	55312	RFK	0.451474	0.927762	11.0326	11.0168	1.01106
5	hcs110h04	55312	RFK	0.47777	-0.866019	10.5163	10.6573	-1.10262

7	hcs110h04	55312	RFK	0.89475	0.149678	10.577	10.5624	1.01018
1	hcs110h05			0.245302	1.62681	10.4248	10.6386	0.862243
3	hcs110h05			0.949185	0.0719563	11.0345	11.0288	1.00401
5	hcs110h05			0.399255	-1.06272	10.5664	10.6297	-1.04485
7	hcs110h05			0.856942	-0.204417	10.2291	10.2564	-1.01908
1	hcs110h06	5445	PON2	0.081345	3.28854	10.8	11.1336	0.793554
7	hcs110h06	5445	PON2	0.291515	1.41974	10.6045	10.4226	1.13435
1	hcs110h07	1022	CDK7	0.15443	2.23992	10.6182	10.9482	0.795536
3	hcs110h07	1022	CDK7	0.801756	-0.286036	11.0716	11.1135	-1.02942
5	hcs110h07	1022	CDK7	0.39235	1.08202	10.8574	10.7962	1.04336
7	hcs110h07	1022	CDK7	0.553	0.706684	10.4242	10.2934	1.09489
1	hcs110h08	5999	RGS4	0.54236	0.727896	11.1311	11.1736	0.970948
3	hcs110h08	5999	RGS4	0.730242	-0.396183	11.4055	11.4421	-1.02567
5	hcs110h08	5999	RGS4	0.317547	-1.32042	11.0128	11.2189	-1.15359
7	hcs110h08	5999	RGS4	0.375495	1.13081	11.0017	10.8645	1.09982
1	hcs110h09	6477	SIAH1	0.304452	1.36908	10.5366	10.7173	0.882275
3	hcs110h09	6477	SIAH1	0.0162009	-7.76074	10.8108	10.8559	-1.0318
5	hcs110h09	6477	SIAH1	0.304175	1.37013	10.5709	10.5438	1.01896
7	hcs110h09	6477	SIAH1	0.88516	-0.16349	10.1628	10.1725	-1.00677
1	hcs110h10	92259	MRPS36	0.5361	0.74056	10.4796	10.5061	0.981799
3	hcs110h10	92259	MRPS36	0.347325	-1.21829	10.7636	10.8556	-1.06581
5	hcs110h10	92259	MRPS36	0.254773	-1.58052	10.1293	10.2696	-1.1021
7	hcs110h10	92259	MRPS36	0.691513	0.458635	9.96909	9.93641	1.02291
1	hcs110h11	22930	RAB3GAP1	0.822014	-0.255795	10.9092	10.8697	1.02773
3	hcs110h11	22930	RAB3GAP1	0.184214	-1.99479	11.0755	11.3202	-1.18487
5	hcs110h11	22930	RAB3GAP1	0.822029	0.255772	10.9608	10.9325	1.01983
7	hcs110h11	22930	RAB3GAP1	0.640527	0.544788	10.6666	10.6015	1.04616
1	hcs110h12	51014	TMED7	0.661487	0.508767	10.2276	10.2481	0.985914
3	hcs110h12	51014	TMED7	0.246243	-1.62211	10.2519	10.5653	-1.24262
5	hcs110h12	51014	TMED7	0.724486	-0.405323	10.2297	10.27	-1.02834
7	hcs110h12	51014	TMED7	0.981086	-0.0267529	10.0895	10.0938	-1.00299
1	hcs111a01	?	?	0.39525	1.07387	9.91225	9.98029	0.953933
3	hcs111a01	?	?	0.114269	-2.69844	10.1914	10.4531	-1.19888
5	hcs111a01	?	?	0.996752	0.0045930	9.89573	9.89367	1.00143
7	hcs111a01	?	?	0.290918	1.42215	9.76324	9.42572	1.26359
1	hcs111a02	?	?	0.770225	-0.333885	11.2423	11.2063	1.02529
3	hcs111a02	?	?	0.68355	-0.471773	11.5971	11.618	-1.01459
5	hcs111a02	?	?	0.686631	0.466677	11.3432	11.3224	1.0145
7	hcs111a02	?	?	0.713083	-0.423571	11.1115	11.136	-1.0171
5	hcs111a03	56130	PCDHB6	0.0098774	-9.98715	10.0302	10.1386	-1.07805
7	hcs111a03	56130	PCDHB6	0.785893	0.309982	10.3419	10.3058	1.02531
1	hcs111a04	129531	MITD1	0.704772	0.436993	10.2365	10.3406	0.930381
3	hcs111a04	129531	MITD1	0.246162	-1.62251	10.5383	10.6419	-1.0745
5	hcs111a04	129531	MITD1	0.616298	-0.587614	10.0293	10.1703	-1.10266
7	hcs111a04	129531	MITD1	0.510808	-0.793214	9.91064	9.95261	-1.02952
1	hcs111a05			0.315839	1.32663	11.093	11.2141	0.919486
3	hcs111a05			0.722243	-0.408897	11.539	11.5773	-1.02693

5	hcs111a05			0.402553	1.05363	11.2834	11.1985	1.06061
7	hcs111a05			0.946343	0.0759923	10.9851	10.9797	1.00373
1	hcs111a06	?	?	0.261821	1.54749	10.6902	10.9217	0.851749
3	hcs111a06	?	?	0.291909	1.41816	11.509	11.3193	1.14055
5	hcs111a06	?	?	0.57533	0.663363	10.8675	10.7905	1.05485
7	hcs111a06	?	?	0.475493	0.871224	10.8813	10.7979	1.05954
1	hcs111a07	132320	SCLT1	0.87496	0.178232	10.344	10.3532	0.993668
3	hcs111a07	132320	SCLT1	0.633938	0.556302	11.0488	10.9758	1.05193
5	hcs111a07	132320	SCLT1	0.577952	-0.658376	10.2427	10.3295	-1.06201
7	hcs111a07	132320	SCLT1	0.509938	-0.795069	9.98927	10.0843	-1.06811
1	hcs111a08			0.299379	1.38862	10.323	10.604	0.823039
3	hcs111a08			0.54309	0.726429	10.7683	10.6946	1.05246
5	hcs111a08			0.589504	-0.636641	10.4243	10.4676	-1.03047
7	hcs111a08			0.311854	1.34127	10.3909	10.3258	1.04612
1	hcs111a09	440400	RNASEK	0.225392	1.73212	11.0083	11.1633	0.898112
3	hcs111a09	440400	RNASEK	0.460207	-0.906849	11.3548	11.4791	-1.08998
5	hcs111a09	440400	RNASEK	0.352416	-1.20188	11.2462	11.3287	-1.05885
7	hcs111a09	440400	RNASEK	0.75382	-0.359206	11.034	11.0739	-1.02802
1	hcs111a10	29103	DNAJC15	0.268998	1.51499	10.5711	10.8378	0.831219
3	hcs111a10	29103	DNAJC15	0.416866	-1.01514	10.836	10.9099	-1.05258
5	hcs111a10	29103	DNAJC15	0.235098	-1.67933	10.3499	10.5079	-1.11571
7	hcs111a10	29103	DNAJC15	0.573947	0.666	10.4495	10.4003	1.03469
1	hcs111a11	6227	RPS21	0.953882	0.0652903	12.0224	12.027	0.996816
3	hcs111a11	6227	RPS21	0.445022	0.94349	11.6307	11.55	1.05751
5	hcs111a11	6227	RPS21	0.819516	0.259505	11.8978	11.8585	1.02757
7	hcs111a11	6227	RPS21	0.27372	-1.49421	11.5112	11.5891	-1.05548
1	hcs111a12	57821	C1orf114	0.360424	1.17662	10.7715	10.8603	0.940326
3	hcs111a12	57821	C1orf114	0.188058	-1.96708	10.7247	10.804	-1.05648
5	hcs111a12	57821	C1orf114	0.701411	-0.442453	10.6634	10.7201	-1.04008
7	hcs111a12	57821	C1orf114	0.943086	-0.0806194	10.3578	10.3587	-1.00065
1	hcs111b01	3759	KCNJ2	0.138493	2.39954	10.0131	10.2158	0.868903
3	hcs111b01	3759	KCNJ2	0.455891	-0.91713	10.108	10.3542	-1.18608
5	hcs111b01	3759	KCNJ2	0.803635	-0.283216	10.02	10.0618	-1.02935
7	hcs111b01	3759	KCNJ2	0.182178	2.00979	9.776	9.66614	1.07913
1	hcs111b02	?	?	0.453974	0.92173	13.105	13.3045	0.870873
3	hcs111b02	?	?	0.679561	0.478395	12.9739	12.9355	1.027
5	hcs111b02	?	?	0.0836319	-3.23713	13.2623	13.4642	-1.15019
7	hcs111b02	?	?	0.83195	-0.241087	13.1451	13.2501	-1.07549
1	hcs111b03	54778	RNF111	0.32974	1.27726	10.8045	11.1763	0.772836
3	hcs111b03	54778	RNF111	0.851024	-0.213062	11.0718	11.1235	-1.03649
5	hcs111b03	54778	RNF111	0.589602	0.636459	11.0518	10.9656	1.06157
7	hcs111b03	54778	RNF111	0.156737	2.2187	11.0007	10.8283	1.12696
1	hcs111b04	11112	HIBADH	0.411226	1.03013	10.4844	10.7154	0.852025
3	hcs111b04	11112	HIBADH	0.716183	0.418591	10.7016	10.6445	1.04037
5	hcs111b04	11112	HIBADH	0.293864	1.41034	10.7373	10.5472	1.14082
7	hcs111b04	11112	HIBADH	0.377761	1.1241	10.6317	10.5012	1.0947
1	hcs111b05			0.0915182	3.07421	10.2707	10.5042	0.850589

3	hcs111b05			0.786016	-0.309795	10.5991	10.6535	-1.03843
5	hcs111b05			0.975753	-0.0343004	10.5493	10.5553	-1.00419
7	hcs111b05			0.0331787	5.3524	10.4726	10.359	1.08198
1	hcs111b06	80183	C13orf18	0.252373	1.59204	10.8647	11.0659	0.869827
3	hcs111b06	80183	C13orf18	0.709236	0.429771	11.235	11.1574	1.05526
5	hcs111b06	80183	C13orf18	0.949829	0.0710414	11.1283	11.1167	1.0081
7	hcs111b06	80183	C13orf18	0.0850963	3.20525	10.9353	10.807	1.09298
1	hcs111b07	4653	MYOC	0.396341	1.07082	10.8168	11.0289	0.86326
3	hcs111b07	4653	MYOC	0.991901	-0.0114542	10.8927	10.895	-1.00162
5	hcs111b07	4653	MYOC	0.90889	0.129388	11.0254	11.0057	1.01377
7	hcs111b07	4653	MYOC	0.0694067	3.59525	10.6902	10.5886	1.07299
1	hcs111b08	7321	UBE2D1	0.687264	0.465631	10.4613	10.5171	0.962038
3	hcs111b08	7321	UBE2D1	0.181179	-2.01723	10.2497	10.5112	-1.19872
5	hcs111b08	7321	UBE2D1	0.929576	-0.0998422	10.4446	10.4538	-1.00644
7	hcs111b08	7321	UBE2D1	0.0304326	5.60065	10.1593	9.94933	1.15669
1	hcs111b09	79819	WDR78	0.551593	0.709467	11.0383	11.1977	0.895398
3	hcs111b09	79819	WDR78	0.924228	0.107467	11.176	11.1517	1.01699
5	hcs111b09	79819	WDR78	0.579967	0.654556	11.2372	11.1219	1.08323
7	hcs111b09	79819	WDR78	0.140262	2.38059	10.9621	10.9023	1.04232
1	hcs111b10	168455	FLJ36031	0.130725	2.48689	9.89865	10.1385	0.846828
3	hcs111b10	168455	FLJ36031	0.447043	-0.938538	9.80786	10.1824	-1.2964
5	hcs111b10	168455	FLJ36031	0.769146	0.33554	10.0645	9.98774	1.05465
7	hcs111b10	168455	FLJ36031	0.357431	1.18598	9.9322	9.78199	1.10973
1	hcs111b11	?	?	0.157286	2.21371	10.3656	10.3988	0.97725
3	hcs111b11	?	?	0.385346	-1.102	10.0258	10.3074	-1.21553
5	hcs111b11	?	?	0.523443	-0.766603	10.2134	10.3173	-1.07466
7	hcs111b11	?	?	0.493897	-0.829867	10.0626	10.0888	-1.01829
1	hcs111b12	7979	SHFM1	0.0871681	3.16147	10.8795	11.1607	0.822906
3	hcs111b12	7979	SHFM1	0.938196	-0.0875707	11.0223	11.0348	-1.0087
5	hcs111b12	7979	SHFM1	0.831152	0.242265	10.891	10.8458	1.03178
7	hcs111b12	7979	SHFM1	0.723072	-0.407575	10.7741	10.7903	-1.01134
1	hcs111c01	58515	SELK	0.845156	-0.221656	10.7853	10.7648	1.01429
3	hcs111c01	58515	SELK	0.71793	-0.415791	10.9694	11.0098	-1.0284
5	hcs111c01	58515	SELK	0.22421	-1.73875	11.095	11.1411	-1.03249
7	hcs111c01	58515	SELK	0.24156	-1.64574	10.1618	10.3158	-1.11262
1	hcs111c02	?	?	0.552984	0.706716	10.6503	10.7412	0.938915
3	hcs111c02	?	?	0.709926	0.428657	11.1944	11.1272	1.04766
5	hcs111c02	?	?	0.28645	-1.44035	10.7309	10.876	-1.10578
7	hcs111c02	?	?	0.935229	0.091793	10.4081	10.3905	1.01227
1	hcs111c03	9589	WTAP	0.788489	0.306045	10.5062	10.5328	0.981731
3	hcs111c03	9589	WTAP	0.507664	0.799936	10.5781	10.5155	1.04432
5	hcs111c03	9589	WTAP	0.562975	0.687138	10.569	10.4851	1.05985
7	hcs111c03	9589	WTAP	0.757121	-0.354086	10.0814	10.1321	-1.03575
1	hcs111c04	51133	KCTD3	0.306705	1.36053	10.242	10.3344	0.93795
3	hcs111c04	51133	KCTD3	0.962536	0.0530197	10.6035	10.592	1.00805
5	hcs111c04	51133	KCTD3	0.749906	0.365295	9.96049	9.84834	1.08083
7	hcs111c04	51133	KCTD3	0.628603	0.565697	9.93657	9.82077	1.08357

1	hcs111c05	23387	SIK3	0.404828	1.04741	11.1352	11.2685	0.911743
3	hcs111c05	23387	SIK3	0.363995	1.16556	11.6576	11.4331	1.1684
5	hcs111c05	23387	SIK3	0.192988	-1.93263	11.2277	11.3544	-1.09179
7	hcs111c05	23387	SIK3	0.958817	0.0582915	10.9218	10.9153	1.00449
1	hcs111c06	57551	TAOK1	0.34823	1.21535	10.6496	10.8527	0.868702
3	hcs111c06	57551	TAOK1	0.988245	-0.0166257	10.9162	10.9188	-1.00183
5	hcs111c06	57551	TAOK1	0.930284	-0.0988339	10.8691	10.873	-1.00271
7	hcs111c06	57551	TAOK1	0.59926	0.618574	10.2747	10.1763	1.07064
1	hcs111c07			0.248908	1.60892	10.596	10.8031	0.866297
3	hcs111c07			0.793451	0.298543	11.0937	11.0285	1.04628
5	hcs111c07			0.106337	-2.8164	10.538	10.6284	-1.06471
7	hcs111c07			0.771543	0.331864	10.4817	10.4345	1.03326
1	hcs111c08	55449	C14orf167	0.898327	-0.144537	10.7994	10.7843	1.01052
3	hcs111c08	55449	C14orf167	0.681488	-0.475193	10.8921	10.9245	-1.02269
5	hcs111c08	55449	C14orf167	0.119212	-2.63062	10.5114	10.6278	-1.08403
7	hcs111c08	55449	C14orf167	0.625026	0.572032	10.4958	10.4047	1.06515
1	hcs111c09			0.681377	0.475376	10.2377	10.2941	0.961661
5	hcs111c09			0.474285	0.873994	10.2855	10.2262	1.04198
7	hcs111c09			0.93378	0.0938556	10.0061	10.0006	1.00378
1	hcs111c10	1314	COPA	0.373185	1.13769	10.7989	10.9488	0.901313
3	hcs111c10	1314	COPA	0.413122	-1.02507	11.0699	11.2219	-1.11106
5	hcs111c10	1314	COPA	0.160743	-2.18284	10.7254	10.8338	-1.07798
7	hcs111c10	1314	COPA	0.335881	1.25625	10.6424	10.538	1.07507
1	hcs111c11	4076	CAPRIN1	0.276442	1.48243	10.9706	11.153	0.881256
3	hcs111c11	4076	CAPRIN1	0.6726	-0.490021	11.1846	11.2528	-1.04836
5	hcs111c11	4076	CAPRIN1	0.934858	0.0923204	11.1039	11.0911	1.00891
7	hcs111c11	4076	CAPRIN1	0.762295	-0.346085	10.8474	10.8812	-1.02371
1	hcs111c12	55966	AJAP1	0.561882	0.689266	11.0284	11.1017	0.950484
3	hcs111c12	55966	AJAP1	0.806775	-0.278509	11.0407	11.0783	-1.02636
5	hcs111c12	55966	AJAP1	0.832568	0.240174	10.8483	10.8135	1.02441
7	hcs111c12	55966	AJAP1	0.0225703	6.54306	10.8243	10.6688	1.11383
3	hcs111d01	83877	TM2D2	0.210428	-1.81962	10.125	10.3047	-1.13259
7	hcs111d01	83877	TM2D2	0.682644	0.473274	9.62928	9.58326	1.03241
1	hcs111d02	388962	BOLA3	0.446818	0.939088	10.8046	11.0196	0.861566
3	hcs111d02	388962	BOLA3	0.391614	-1.0841	11.1096	11.2968	-1.13853
5	hcs111d02	388962	BOLA3	0.946606	0.0756188	10.9523	10.9503	1.00139
7	hcs111d02	388962	BOLA3	0.0408642	-4.79393	10.7544	10.7966	-1.02973
1	hcs111d03	26258	PLDN	0.489293	0.840065	10.8475	11.0271	0.882948
3	hcs111d03	26258	PLDN	0.0074661	11.5083	11.2673	11.1013	1.12194
7	hcs111d03	26258	PLDN	0.0760688	-3.41552	10.7884	10.838	-1.03503
1	hcs111d04	?	?	0.412526	1.02666	9.94505	10.1	0.898176
3	hcs111d04	?	?	0.961859	-0.0539792	10.3069	10.3181	-1.0078
5	hcs111d04	?	?	0.0961551	-2.98749	9.86309	10.0643	-1.14965
7	hcs111d04	?	?	0.719421	-0.413405	9.90353	9.94033	-1.02583
1	hcs111d05	83959	SLC4A11	0.266369	1.52677	11.1507	11.2604	0.926802
3	hcs111d05	83959	SLC4A11	0.270879	1.50666	11.5167	11.4011	1.0834
5	hcs111d05	83959	SLC4A11	0.145796	-2.32341	11.0691	11.1492	-1.05707

7	hcs111d05	83959	SLC4A11	0.437772	-0.961461	10.9034	10.9311	-1.01943
1	hcs111d06	3815	KIT	0.132189	2.46988	10.3475	10.4452	0.934522
3	hcs111d06	3815	KIT	0.797817	0.29196	10.6416	10.5996	1.02952
5	hcs111d06	3815	KIT	0.233981	-1.68526	10.0961	10.2399	-1.10485
7	hcs111d06	3815	KIT	0.23417	-1.68425	10.0277	10.2029	-1.12911
1	hcs111d07	57494	RIMKLB	0.41832	1.01131	10.7482	10.8805	0.912376
5	hcs111d07	57494	RIMKLB	0.119304	-2.62939	10.6916	10.8672	-1.12941
7	hcs111d07	57494	RIMKLB	0.555082	0.702579	10.5719	10.5329	1.02743
5	hcs111d08	140735	DYNLL2	0.932867	0.0951552	11.1786	11.1745	1.00282
7	hcs111d08	140735	DYNLL2	0.0998381	2.92275	10.9098	10.7487	1.11817
1	hcs111d09	4311	MME	0.813954	-0.267784	10.8909	10.8674	1.01642
3	hcs111d09	4311	MME	0.827765	-0.247272	11.1458	11.1861	-1.02833
5	hcs111d09	4311	MME	0.189733	-1.95524	10.8589	11.0321	-1.12758
7	hcs111d09	4311	MME	0.977845	-0.0313395	10.7421	10.7438	-1.0012
1	hcs111d10	135114	HINT3	0.325647	1.29153	10.5016	10.6194	0.921592
3	hcs111d10	135114	HINT3	0.254472	-1.58196	10.7199	10.8553	-1.09835
5	hcs111d10	135114	HINT3	0.192065	-1.93899	10.536	10.6531	-1.08458
7	hcs111d10	135114	HINT3	0.112041	2.73038	10.3357	10.2301	1.07597
1	hcs111d11	29979	UBQLN1	0.0992673	-2.93256	10.8729	10.6855	1.13874
3	hcs111d11	29979	UBQLN1	0.317788	-1.31955	10.6723	10.9044	-1.1746
7	hcs111d11	29979	UBQLN1	0.688304	-0.463916	10.5421	10.5784	-1.02546
1	hcs111d12	10102	TSFM	0.861565	0.197679	10.602	10.6256	0.983807
3	hcs111d12	10102	TSFM	0.849616	-0.215121	10.4364	10.5025	-1.04688
5	hcs111d12	10102	TSFM	0.826446	0.249224	10.6423	10.605	1.02619
7	hcs111d12	10102	TSFM	0.833275	-0.239132	10.4951	10.5173	-1.0155
1	hcs111e01			0.851977	0.211668	10.5597	10.5803	0.985822
3	hcs111e01			0.72711	-0.40115	10.8984	10.959	-1.04288
5	hcs111e01			0.831942	-0.241098	10.6367	10.6689	-1.02259
7	hcs111e01			0.667258	0.499003	10.2157	10.1825	1.02327
1	hcs111e02	11311	VPS45	0.175524	-2.06042	10.7138	10.5564	1.1153
3	hcs111e02	11311	VPS45	0.355357	-1.19252	10.7365	10.8511	-1.0827
5	hcs111e02	11311	VPS45	0.535039	-0.742721	10.662	10.7354	-1.05219
7	hcs111e02	11311	VPS45	0.78275	0.314756	10.1938	10.1414	1.03701
1	hcs111e03	6235	RPS29	0.698676	-0.446909	11.6805	11.6212	1.04194
3	hcs111e03	6235	RPS29	0.368758	1.15101	11.9596	11.8599	1.07155
5	hcs111e03	6235	RPS29	0.866773	0.190106	11.8645	11.8383	1.0183
7	hcs111e03	6235	RPS29	0.851234	-0.212754	11.4637	11.484	-1.01422
1	hcs111e04	6232	RPS27	0.810614	0.272768	11.889	11.9369	0.967343
3	hcs111e04	6232	RPS27	0.909708	-0.128215	11.9716	11.9828	-1.00777
5	hcs111e04	6232	RPS27	0.714656	0.421042	11.6906	11.6501	1.02847
7	hcs111e04	6232	RPS27	0.53961	-0.733443	11.6853	11.8589	-1.12792
1	hcs111e05	3658	IREB2	0.145798	2.32339	10.7347	10.8827	0.902501
3	hcs111e05	3658	IREB2	0.703899	0.43841	11.0914	11.0007	1.06489
7	hcs111e05	3658	IREB2	0.982911	-0.0241715	10.3451	10.3496	-1.00312
1	hcs111e06	1069	CETN2	0.488145	0.842622	10.5083	10.7357	0.854193
3	hcs111e06	1069	CETN2	0.458706	0.910412	11.1967	11.1186	1.05563
5	hcs111e06	1069	CETN2	0.108692	2.78012	10.6947	10.5744	1.08701



7	hcs111e06	1069	CETN2	0.790257	0.303369	10.4286	10.3974	1.02191
1	hcs111e07	79101	TAF1D	0.066922	3.6688	11.035	11.36	0.798299
3	hcs111e07	79101	TAF1D	0.965683	-0.0485596	11.4025	11.4094	-1.00479
7	hcs111e07	79101	TAF1D	0.697156	0.44939	11.1146	11.028	1.06191
1	hcs111e08	10539	GLRX3	0.0316442	-5.4872	11.0616	11.0375	1.01687
3	hcs111e08	10539	GLRX3	0.800026	-0.288636	11.1466	11.208	-1.04353
7	hcs111e08	10539	GLRX3	0.915115	0.12048	10.6747	10.661	1.00959
1	hcs111e09	128637	TBC1D20	0.509674	0.795634	10.9002	10.9728	0.950901
3	hcs111e09	128637	TBC1D20	0.724299	-0.40562	11.0951	11.1713	-1.05421
5	hcs111e09	128637	TBC1D20	0.695676	-0.451809	10.8595	10.9056	-1.03249
7	hcs111e09	128637	TBC1D20	0.749205	0.366388	10.618	10.5918	1.01833
1	hcs111e10	10588	MTHFS	0.973866	0.0369715	10.9013	10.9041	0.998038
3	hcs111e10	10588	MTHFS	0.63901	-0.54743	11.0431	11.1316	-1.06324
5	hcs111e10	10588	MTHFS	0.0390031	-4.91415	10.6977	10.8316	-1.09723
7	hcs111e10	10588	MTHFS	0.987161	0.0181589	10.543	10.5416	1.00097
1	hcs111e11	8545	CGGBP1	0.684431	0.470314	11.1092	11.1664	0.961128
3	hcs111e11	8545	CGGBP1	0.774247	0.327723	11.3432	11.2935	1.03503
5	hcs111e11	8545	CGGBP1	0.801335	0.286669	11.2218	11.1938	1.01964
1	hcs111e12	84859	LRCH3	0.0832486	3.2456	10.6404	10.8788	0.847685
3	hcs111e12	84859	LRCH3	0.462064	-0.902455	10.8796	10.9787	-1.07113
5	hcs111e12	84859	LRCH3	0.378211	1.12278	10.582	10.5013	1.05751
7	hcs111e12	84859	LRCH3	0.955523	0.0629625	10.4855	10.4799	1.00391
1	hcs111f01	285381	DPH3	0.0337692	5.30296	9.95375	10.0699	0.922644
3	hcs111f01	285381	DPH3	0.425886	-0.991628	10.388	10.5951	-1.15439
5	hcs111f01	285381	DPH3	0.141172	-2.37098	10.5287	10.7626	-1.17601
7	hcs111f01	285381	DPH3	0.15827	2.20484	10.0498	9.92371	1.09134
1	hcs111f02	54545	MTMR12	0.845573	0.221045	10.781	10.8201	0.97324
3	hcs111f02	54545	MTMR12	0.0467847	4.45942	11.0955	10.971	1.09016
5	hcs111f02	54545	MTMR12	0.915786	-0.119521	10.5214	10.5332	-1.0082
7	hcs111f02	54545	MTMR12	0.413342	-1.02448	10.5769	10.6333	-1.03987
1	hcs111f03	56479	KCNQ5	0.569451	0.674619	9.66668	9.76612	0.933397
3	hcs111f03	56479	KCNQ5	0.865317	-0.192222	9.97515	10.0386	-1.04499
5	hcs111f03	56479	KCNQ5	0.296031	-1.40175	9.66831	9.73578	-1.04787
7	hcs111f03	56479	KCNQ5	0.531863	-0.749212	9.80709	9.8349	-1.01946
1	hcs111f04			0.734589	0.38931	10.6607	10.7084	0.967478
3	hcs111f04			0.808376	-0.276114	10.9576	10.9926	-1.02456
5	hcs111f04			0.459903	0.907569	10.7391	10.7224	1.01164
7	hcs111f04			0.830044	-0.243903	10.6024	10.6228	-1.01424
1	hcs111f05	83742	MARVELD1	0.2663	1.52708	11.1311	11.3572	0.854943
3	hcs111f05	83742	MARVELD1	0.563027	-0.687038	11.594	11.6599	-1.04669
5	hcs111f05	83742	MARVELD1	0.140761	-2.37531	11.0644	11.194	-1.09394
7	hcs111f05	83742	MARVELD1	0.465296	0.894853	11.1549	11.1386	1.01132
1	hcs111f06	54793	KCTD9	0.626856	0.568788	10.1365	10.2105	0.950014
3	hcs111f06	54793	KCTD9	0.211975	1.8102	10.4397	10.3997	1.02811
5	hcs111f06	54793	KCTD9	0.079879	-3.32261	10.1416	10.2947	-1.11202
7	hcs111f06	54793	KCTD9	0.797642	-0.292223	9.99227	10.0121	-1.01387
1	hcs111f07	?	?	0.309507	1.34999	10.6482	10.7376	0.939892

3	hcs111f07	?	?	0.349195	1.21223	10.8933	10.7581	1.09825
5	hcs111f07	?	?	0.274017	-1.49291	10.6438	10.7529	-1.07853
7	hcs111f07	?	?	0.609229	-0.60037	10.4729	10.5096	-1.02581
1	hcs111f08	3638	INSIG1	0.458372	0.911208	10.6837	10.8522	0.889747
3	hcs111f08	3638	INSIG1	0.860705	0.198933	10.8692	10.8506	1.01298
5	hcs111f08	3638	INSIG1	0.468782	0.886714	10.6926	10.6204	1.05129
7	hcs111f08	3638	INSIG1	0.124022	2.56829	10.588	10.5205	1.04795
1	hcs111f09	8289	ARID1A	0.534991	0.742819	11.1332	11.2751	0.906346
3	hcs111f09	8289	ARID1A	0.788944	-0.305356	11.3506	11.3978	-1.03323
5	hcs111f09	8289	ARID1A	0.337807	-1.24975	11.1737	11.2591	-1.06098
7	hcs111f09	8289	ARID1A	0.880249	-0.17058	10.9089	10.9246	-1.01099
1	hcs111f10	57458	TMCC3	0.375688	-1.13023	10.8557	10.7494	1.07649
3	hcs111f10	57458	TMCC3	0.481013	-0.85865	10.934	11.075	-1.10264
5	hcs111f10	57458	TMCC3	0.216502	-1.78314	10.4818	10.647	-1.12135
7	hcs111f10	57458	TMCC3	0.900204	0.141841	10.6171	10.6124	1.00324
1	hcs111f11	6773	STAT2	0.578123	0.658051	10.631	10.7005	0.952946
5	hcs111f11	6773	STAT2	0.608687	-0.601353	10.645	10.7668	-1.08814
7	hcs111f11	6773	STAT2	0.0582021	3.96188	10.5483	10.4663	1.05846
1	hcs111f12	10479	SLC9A6	0.356468	-1.18901	10.2538	10.0423	1.15786
3	hcs111f12	10479	SLC9A6	0.981371	-0.0263495	10.0764	10.0831	-1.00465
5	hcs111f12	10479	SLC9A6	0.980267	-0.0279124	10.1054	10.1102	-1.00339
7	hcs111f12	10479	SLC9A6	0.33312	1.26564	10.0178	9.93004	1.0627
1	hcs111g01	389125	MUSTN1	0.563765	0.685604	10.4901	10.5306	0.972296
3	hcs111g01	389125	MUSTN1	0.940334	0.0845304	10.7104	10.6918	1.013
5	hcs111g01	389125	MUSTN1	0.988354	-0.0164717	10.5956	10.5961	-1.00035
7	hcs111g01	389125	MUSTN1	0.243048	1.63817	10.2432	10.189	1.03828
1	hcs111g02	?	?	0.69295	0.456275	11.4175	11.4787	0.958489
3	hcs111g02	?	?	0.942347	0.0816699	11.5985	11.5901	1.00579
5	hcs111g02	?	?	0.128555	-2.5126	11.4312	11.5104	-1.05646
7	hcs111g02	?	?	0.796651	-0.293715	10.962	10.9822	-1.01408
1	hcs111g03	55847	CISD1	0.240777	1.64975	10.6358	10.7313	0.935948
3	hcs111g03	55847	CISD1	0.581381	0.651885	11.2274	11.1479	1.05665
5	hcs111g03	55847	CISD1	0.902591	0.138415	10.9476	10.9361	1.00796
7	hcs111g03	55847	CISD1	0.995229	-0.0067475	10.3205	10.3217	-1.00082
1	hcs111g04	151011	SEPT10	0.433033	0.973379	10.8288	10.9132	0.943176
3	hcs111g04	151011	SEPT10	0.677548	0.481749	11.115	11.0867	1.01981
5	hcs111g04	151011	SEPT10	0.349354	-1.21171	10.7881	10.8717	-1.05963
7	hcs111g04	151011	SEPT10	0.119879	-2.62176	10.2102	10.364	-1.11252
1	hcs111g05	5105	PCK1	0.808043	0.276612	11.1435	11.1749	0.97847
5	hcs111g05	5105	PCK1	0.131794	-2.47445	11.5879	11.6949	-1.07701
7	hcs111g05	5105	PCK1	0.593224	0.629721	11.0426	10.9089	1.09708
1	hcs111g06	10672	GNA13	0.141064	2.37212	10.3578	10.4709	0.924599
3	hcs111g06	10672	GNA13	0.633518	-0.557039	10.3388	10.3627	-1.01675
5	hcs111g06	10672	GNA13	0.49724	-0.822523	10.2962	10.3328	-1.02568
7	hcs111g06	10672	GNA13	0.988573	-0.0161605	9.99142	9.99559	-1.00289
1	hcs111g07	8405	SPOP	0.2725	-1.49953	11.3665	11.3483	1.0127
3	hcs111g07	8405	SPOP	0.699408	0.445714	11.6662	11.6004	1.04669

5	hcs111g07	8405	SPOP	0.56105	-0.690886	11.2991	11.3292	-1.02108
7	hcs111g07	8405	SPOP	0.775589	0.325672	10.9685	10.921	1.03345
1	hcs111g08	728492	SERF1B	0.202494	-1.86942	10.7702	10.6934	1.05468
3	hcs111g08	728492	SERF1B	0.117729	-2.65053	10.9267	11.0178	-1.06521
5	hcs111g08	728492	SERF1B	0.248213	-1.61234	10.5937	10.7575	-1.12026
7	hcs111g08	728492	SERF1B	0.575947	0.662187	10.3958	10.3249	1.05036
1	hcs111g09	10163	WASF2	0.599243	0.618604	10.9793	11.0452	0.955371
3	hcs111g09	10163	WASF2	0.861547	-0.197706	11.1691	11.2071	-1.02669
5	hcs111g09	10163	WASF2	0.401737	-1.05587	10.8642	10.9973	-1.09665
7	hcs111g09	10163	WASF2	0.542447	0.727723	10.9088	10.8407	1.04834
1	hcs111g10	56204	KIAA1370	0.332312	1.26841	10.5886	10.6657	0.947983
3	hcs111g10	56204	KIAA1370	0.778271	-0.321576	10.8959	10.924	-1.01964
5	hcs111g10	56204	KIAA1370	0.770751	-0.333078	10.6719	10.7226	-1.03572
7	hcs111g10	56204	KIAA1370	0.844635	-0.22242	10.3426	10.3519	-1.00644
1	hcs111g11	399491	LOC399491	0.79226	0.300341	11.1601	11.1957	0.975649
3	hcs111g11	399491	LOC399491	0.933416	-0.0943741	11.2552	11.2652	-1.007
5	hcs111g11	399491	LOC399491	0.367035	-1.15625	11.1128	11.1474	-1.02432
7	hcs111g11	399491	LOC399491	0.647842	-0.532113	10.9195	10.968	-1.03417
1	hcs111h01	5604	MAP2K1	0.279068	1.4712	10.5219	10.6939	0.887632
3	hcs111h01	5604	MAP2K1	0.336523	-1.25408	11.1578	11.3383	-1.13333
5	hcs111h01	5604	MAP2K1	0.648507	-0.530967	10.6784	10.7219	-1.03061
7	hcs111h01	5604	MAP2K1	0.610678	0.597745	10.4507	10.3638	1.06213
1	hcs111h02	?	?	0.311682	1.3419	10.1488	10.2275	0.946902
3	hcs111h02	?	?	0.485158	-0.849304	10.4223	10.4855	-1.0448
5	hcs111h02	?	?	0.209845	-1.82319	10.2811	10.4229	-1.10328
7	hcs111h02	?	?	0.400894	1.05819	10.0381	9.97502	1.0447
1	hcs111h03	5836	PYGL	0.207278	1.83909	10.9369	11.1688	0.851532
3	hcs111h03	5836	PYGL	0.577513	-0.659209	10.8873	11.0037	-1.08398
5	hcs111h03	5836	PYGL	0.769743	-0.334624	11.1817	11.2376	-1.03946
7	hcs111h03	5836	PYGL	0.735843	0.387333	10.9155	10.898	1.0122
1	hcs111h04	55699	IARS2	0.152053	2.26225	10.6037	10.8022	0.871436
3	hcs111h04	55699	IARS2	0.529595	-0.753869	10.893	10.9774	-1.06025
5	hcs111h04	55699	IARS2	0.771312	0.332218	10.7149	10.6914	1.01647
7	hcs111h04	55699	IARS2	0.0643005	-3.75081	10.4423	10.5861	-1.10481
1	hcs111h05	3178	HNRNPA1	0.0184244	7.26501	11.4518	11.5331	0.945227
3	hcs111h05	3178	HNRNPA1	0.801757	-0.286035	11.5728	11.6092	-1.02555
5	hcs111h05	3178	HNRNPA1	0.122046	-2.59347	11.1403	11.3122	-1.12654
7	hcs111h05	3178	HNRNPA1	0.0448667	-4.56067	10.864	11.3273	-1.37869
1	hcs111h06			0.382877	1.10914	10.6566	10.7679	0.925732
3	hcs111h06			0.814368	0.267166	11.0513	11.0379	1.00933
5	hcs111h06			0.336123	-1.25543	10.5311	10.5823	-1.03615
7	hcs111h06			0.999576	0.0005993	10.4085	10.4085	1.00002
1	hcs111h07	55711	FAR2	0.650126	0.52818	10.8132	10.8499	0.97486
3	hcs111h07	55711	FAR2	0.413114	-1.02509	10.8944	10.987	-1.06629
5	hcs111h07	55711	FAR2	0.429815	-0.981554	10.6979	10.7763	-1.05585
7	hcs111h07	55711	FAR2	0.908927	-0.129334	10.4516	10.4656	-1.0098
3	hcs111h08	25963	TMEM87A	0.536973	0.738787	11.2112	11.1716	1.02785

5	hcs111h08	25963	TMEM87A	0.431301	-0.977771	10.936	11.0418	-1.07607
7	hcs111h08	25963	TMEM87A	0.103462	2.86229	10.7949	10.7294	1.04647
1	hcs111h09	84656	GLYR1	0.321735	1.30537	11.3267	11.4947	0.890096
3	hcs111h09	84656	GLYR1	0.417751	1.01281	11.5197	11.4102	1.0789
5	hcs111h09	84656	GLYR1	0.875082	-0.178056	11.3078	11.3357	-1.0195
7	hcs111h09	84656	GLYR1	0.120833	2.60922	11.2201	11.1563	1.04524
5	hcs111h10	9836	LCMT2	0.176084	-2.05606	9.35189	9.61643	-1.20125
1	hcs111h11	?	?	0.448708	0.934476	11.3822	11.5424	0.894901
3	hcs111h11	?	?	0.228598	-1.71435	11.5807	11.7309	-1.10972
5	hcs111h11	?	?	0.173278	-2.0781	11.4099	11.626	-1.16159
7	hcs111h11	?	?	0.0987154	2.94212	11.2192	11.1706	1.03428
1	hcs111h12	?	?	0.376138	-1.1289	10.8149	10.6698	1.10578
3	hcs111h12	?	?	0.297709	1.39514	10.553	10.2716	1.21536
5	hcs111h12	?	?	0.143357	2.34824	11.0389	10.6371	1.32116
7	hcs111h12	?	?	0.116878	2.66213	10.6907	10.2206	1.38524
1	hcs112a01	?	?	0.375312	1.13135	10.3421	10.507	0.892011
3	hcs112a01	?	?	0.765569	-0.341039	10.5375	10.6176	-1.05707
5	hcs112a01	?	?	0.236617	1.67132	10.5124	10.4336	1.05619
7	hcs112a01	?	?	0.742487	0.376888	10.2078	10.1636	1.03111
1	hcs112a02	58478	ENOPH1	0.231571	1.69818	10.8666	11.2194	0.783081
3	hcs112a02	58478	ENOPH1	0.593568	0.629084	11.4418	11.3557	1.06152
5	hcs112a02	58478	ENOPH1	0.175199	-2.06296	11.13	11.2643	-1.09756
7	hcs112a02	58478	ENOPH1	0.815672	0.265223	10.7937	10.7561	1.02645
1	hcs112a03	10097	ACTR2	0.132995	2.46063	10.0677	10.4154	0.785823
5	hcs112a03	10097	ACTR2	0.280835	-1.46372	10.1019	10.2493	-1.1076
7	hcs112a03	10097	ACTR2	0.0142348	-8.29181	10.1432	10.2572	-1.08226
1	hcs112a04	79676	OGFOD2	0.423003	0.999081	10.8558	10.9141	0.960373
3	hcs112a04	79676	OGFOD2	0.867022	-0.189744	11.1028	11.1448	-1.02954
5	hcs112a04	79676	OGFOD2	0.261744	-1.54784	10.9789	11.033	-1.03824
7	hcs112a04	79676	OGFOD2	0.851552	-0.21229	10.7292	10.7415	-1.00856
1	hcs112a05	133022	TRAM1L1	0.167753	2.12295	10.5166	10.8736	0.780786
3	hcs112a05	133022	TRAM1L1	0.577912	0.658452	11.0916	10.9549	1.09939
7	hcs112a05	133022	TRAM1L1	0.370828	1.14476	10.4839	10.3506	1.09675
1	hcs112a06			0.545159	0.72228	10.6011	10.7036	0.931439
3	hcs112a06			0.562875	0.687333	10.9249	10.7696	1.11368
5	hcs112a06			0.175996	2.05674	10.38	10.2636	1.08408
7	hcs112a06			0.422333	1.00082	10.4093	10.2777	1.09548
1	hcs112a07	2252	FGF7	0.111157	2.7433	10.661	10.7969	0.910081
3	hcs112a07	2252	FGF7	0.841726	-0.226691	10.9344	10.9526	-1.01267
5	hcs112a07	2252	FGF7	0.556404	0.699978	10.3103	10.2972	1.00912
7	hcs112a07	2252	FGF7	0.528272	0.756596	10.4809	10.367	1.08211
1	hcs112a08	?	?	0.72586	0.403137	11.4651	11.4928	0.98096
3	hcs112a08	?	?	0.651311	0.526143	11.657	11.5538	1.07415
5	hcs112a08	?	?	0.321197	-1.3073	11.4011	11.4848	-1.05973
1	hcs112a09	2135	EXTL2	0.840054	0.229148	9.8047	9.88539	0.945603
3	hcs112a09	2135	EXTL2	0.290153	-1.42524	10.0015	10.1669	-1.12146
1	hcs112a12	51095	TRNT1	0.79634	0.294184	10.032	10.0564	0.983216

3	hcs112a12	51095	TRNT1	0.20547	-1.85044	9.91811	10.2331	-1.244
5	hcs112a12	51095	TRNT1	0.809955	-0.273753	9.89574	9.94058	-1.03157
7	hcs112a12	51095	TRNT1	0.0245094	6.26952	9.86882	9.734	1.09796
5	hcs112b01	4017	LOXL2	0.374155	-1.13479	10.6303	11.0775	-1.36339
7	hcs112b01	4017	LOXL2	0.0932961	-3.04023	10.5033	11.2208	-1.64429
1	hcs112b03	51253	MRPL37	0.913782	0.122386	10.5605	10.5878	0.981255
5	hcs112b03	51253	MRPL37	0.611584	-0.596106	10.612	10.652	-1.02816
7	hcs112b03	51253	MRPL37	0.057653	-3.98246	10.3216	10.388	-1.04705
1	hcs112b06	4232	MEST	0.376372	1.12821	9.96321	10.0483	0.942726
3	hcs112b06	4232	MEST	0.412434	1.0269	10.4966	10.2543	1.1829
5	hcs112b06	4232	MEST	0.521985	0.76964	10.044	9.97554	1.04859
7	hcs112b06	4232	MEST	0.127776	-2.52197	9.77691	9.94983	-1.12734
1	hcs112b07	9643	MORF4L2	0.0838183	3.23302	10.2531	10.3984	0.904212
7	hcs112b07	9643	MORF4L2	0.0882349	-3.1395	10.2942	10.4845	-1.14102
1	hcs112b09	22949	PTGR1	0.249681	-1.60513	10.5732	10.4891	1.06
3	hcs112b09	22949	PTGR1	0.166268	-2.13535	10.5595	10.7917	-1.17465
5	hcs112b09	22949	PTGR1	0.890385	-0.155959	10.6416	10.662	-1.01429
7	hcs112b09	22949	PTGR1	0.318627	-1.31652	10.2926	10.3441	-1.03639
1	hcs112b10	10730	YME1L1	0.921221	0.111758	9.89653	9.92983	0.977185
3	hcs112b10	10730	YME1L1	0.319647	-1.31285	9.92679	10.1635	-1.17827
5	hcs112b10	10730	YME1L1	0.125512	2.54968	10.0746	9.81037	1.20098
7	hcs112b10	10730	YME1L1	0.422531	-1.00031	9.88418	10.0227	-1.10075
1	hcs112c01	7538	ZFP36	0.0539176	-4.13046	10.2155	10.0626	1.11181
3	hcs112c01	7538	ZFP36	0.51698	-0.780135	10.56	10.6466	-1.06187
5	hcs112c01	7538	ZFP36	0.122185	-2.59168	10.1226	10.2117	-1.06374
7	hcs112c01	7538	ZFP36	0.221456	-1.75438	9.75665	9.93992	-1.13546
1	hcs112c02	100294145	LOC1002940.68526	0.468943	10.0605	10.0605	10.0857	0.982673
5	hcs112c02	100294145	LOC1002940.465905	-0.893427	10.074	10.074	10.2139	-1.1019
7	hcs112c02	100294145	LOC1002940.27949	-1.46941	9.66449	9.66449	9.84402	-1.13252
1	hcs112c03	6124	RPL4	0.582162	-0.65041	12.0781	12.0084	1.0495
3	hcs112c03	6124	RPL4	0.212677	1.80595	12.2193	12.1108	1.07811
5	hcs112c03	6124	RPL4	0.969993	0.0424552	12.2172	12.2121	1.00352
7	hcs112c03	6124	RPL4	0.0639382	-3.76253	11.8679	12.1088	-1.18176
1	hcs112c04	5054	SERPINE1	0.0152783	7.99725	12.12	13.7045	0.333448
3	hcs112c04	5054	SERPINE1	0.0251687	-6.18371	12.4572	13.5416	-2.12054
5	hcs112c04	5054	SERPINE1	0.112829	-2.71899	12.1175	13.2551	-2.20025
7	hcs112c04	5054	SERPINE1	0.0451224	-4.54681	12.3394	14.0207	-3.20709
1	hcs112c07	285148	IAH1	0.0037527	16.2779	10.8319	11.0091	0.884438
3	hcs112c07	285148	IAH1	0.564339	-0.684491	11.1796	11.2867	-1.07701
5	hcs112c07	285148	IAH1	0.456522	0.915622	10.971	10.8751	1.06876
7	hcs112c07	285148	IAH1	0.835983	-0.235139	10.6117	10.6628	-1.03605
1	hcs112c08	54862	CC2D1A	0.150569	2.27644	10.563	10.7134	0.90098
3	hcs112c08	54862	CC2D1A	0.599811	0.617561	10.683	10.6225	1.04283
5	hcs112c08	54862	CC2D1A	0.267227	-1.52291	10.36	10.413	-1.03742
7	hcs112c08	54862	CC2D1A	0.806948	-0.278251	10.3397	10.3616	-1.01532
1	hcs112c09	3417	IDH1	0.935163	-0.0918865	9.97741	9.96693	1.00729
3	hcs112c09	3417	IDH1	0.709338	0.429606	10.54	10.4507	1.06387

5	hcs112c09	3417	IDH1	0.328862	1.28031	10.1811	9.97133	1.15647
7	hcs112c09	3417	IDH1	0.0160942	7.78706	10.0014	9.58963	1.3303
1	hcs112c11	71	ACTG1	0.107325	2.80104	11.8391	12.1565	0.802496
3	hcs112c11	71	ACTG1	0.942125	-0.0819852	11.8399	11.8504	-1.00726
5	hcs112c11	71	ACTG1	0.0289348	5.75046	12.3072	12.1533	1.11257
7	hcs112c11	71	ACTG1	0.622323	-0.576837	11.6909	11.8542	-1.11979
1	hcs112d02	7045	TGFBI	0.0308329	5.56244	12.4754	13.429	0.51633
3	hcs112d02	7045	TGFBI	0.0044213	-14.9893	11.2012	13.3374	-4.39603
5	hcs112d02	7045	TGFBI	0.0265362	-6.01591	11.3465	13.5164	-4.50017
7	hcs112d02	7045	TGFBI	0.0142753	-8.27976	11.2913	13.598	-4.94762
5	hcs112d04	84936	ZFYVE19	0.0919261	-3.06633	9.64939	9.69825	-1.03445
7	hcs112d04	84936	ZFYVE19	0.39199	1.08304	9.77903	9.68641	1.0663
1	hcs112d05	3073	HEXA	0.118089	2.64567	10.2359	10.3423	0.928903
3	hcs112d05	3073	HEXA	0.683943	-0.471122	10.5529	10.5914	-1.02705
7	hcs112d05	3073	HEXA	0.850937	-0.213188	10.2637	10.2857	-1.01542
1	hcs112d06	55743	CHFR	0.520172	-0.773431	9.90632	9.85682	1.03491
3	hcs112d06	55743	CHFR	0.49177	0.834565	10.3228	10.1917	1.09516
5	hcs112d06	55743	CHFR	0.278023	-1.47566	9.74937	9.82569	-1.05433
7	hcs112d06	55743	CHFR	0.755061	-0.357279	9.71919	9.76037	-1.02896
1	hcs112d08	5888	RAD51	0.748648	-0.367255	9.86257	9.83841	1.01689
3	hcs112d08	5888	RAD51	0.649704	0.528905	10.2447	10.1781	1.04725
5	hcs112d08	5888	RAD51	0.395471	-1.07325	9.80525	9.88841	-1.05933
7	hcs112d08	5888	RAD51	0.665162	-0.502541	9.56596	9.63465	-1.04877
1	hcs112d09			0.816746	0.263624	9.54074	9.57565	0.976095
3	hcs112d09			0.780867	-0.31762	9.88236	9.94442	-1.04395
5	hcs112d09			0.11654	-2.66677	9.39077	9.54018	-1.10911
7	hcs112d09			0.568304	-0.676826	9.30385	9.36888	-1.04611
3	hcs112d10	?	?	0.160537	2.18466	12.7939	12.4813	1.24192
5	hcs112d10	?	?	0.594052	0.628187	12.1134	11.9475	1.12184
7	hcs112d10	?	?	0.816451	0.264063	12.1717	12.1502	1.01497
1	hcs112d12	6188	RPS3	0.642235	-0.541819	12.5033	12.4512	1.03675
5	hcs112d12	6188	RPS3	0.679527	-0.478452	12.4769	12.5796	-1.07373
7	hcs112d12	6188	RPS3	0.329634	-1.27763	11.9853	12.3007	-1.24439
1	hcs112e01	64859	OBFC2A	0.433981	0.970985	9.6686	9.79475	0.916273
3	hcs112e01	64859	OBFC2A	0.888421	-0.158787	9.99144	10.0463	-1.03879
5	hcs112e01	64859	OBFC2A	0.391485	-1.08447	9.89382	10.2564	-1.28577
1	hcs112e02	55565	ZNF821	0.540815	-0.731009	10.0946	9.99691	1.07006
3	hcs112e02	55565	ZNF821	0.587406	0.640559	10.3084	10.2531	1.03911
5	hcs112e02	55565	ZNF821	0.379467	-1.11909	9.96481	10.1056	-1.10248
7	hcs112e02	55565	ZNF821	0.672902	-0.489515	9.6156	9.69861	-1.05922
1	hcs112e05	10699	CORIN	0.187827	1.96872	10.2988	10.4375	0.908316
3	hcs112e05	10699	CORIN	0.771423	0.332047	10.7438	10.6763	1.0479
5	hcs112e05	10699	CORIN	0.628322	0.566194	10.4145	10.3603	1.03828
7	hcs112e05	10699	CORIN	0.0413177	4.76584	10.153	10.0154	1.10011
1	hcs112e06	1289	COL5A1	0.310896	1.34482	10.1447	10.467	0.799794
3	hcs112e06	1289	COL5A1	0.662991	0.506215	10.5325	10.4437	1.06351
5	hcs112e06	1289	COL5A1	0.734101	0.39008	10.3331	10.285	1.03389

7	hcs112e06	1289	COL5A1	0.521462	-0.770733	10.0404	10.1026	-1.04405
3	hcs112e08	23521	RPL13A	0.0658959	3.70034	13.2067	12.9731	1.17577
5	hcs112e08	23521	RPL13A	0.381458	-1.11327	13.3764	13.5238	-1.10755
7	hcs112e08	23521	RPL13A	0.580164	-0.654184	12.9207	13.0961	-1.1293
1	hcs112e10	11010	GLIPR1	0.31433	-1.33214	10.7593	10.6383	1.08746
3	hcs112e10	11010	GLIPR1	0.626761	-0.568955	10.8769	10.9286	-1.03646
5	hcs112e10	11010	GLIPR1	0.748818	-0.36699	10.6497	10.675	-1.01771
7	hcs112e10	11010	GLIPR1	0.013175	-8.62582	10.2139	10.3536	-1.1017
1	hcs112e11	29926	GMPPA	0.756737	-0.354681	9.97516	9.9434	1.02226
3	hcs112e11	29926	GMPPA	0.198023	-1.89865	10.1842	10.4045	-1.16502
5	hcs112e11	29926	GMPPA	0.516325	-0.781516	9.96899	9.99966	-1.02148
7	hcs112e11	29926	GMPPA	0.974681	0.0358177	9.69089	9.68832	1.00178
5	hcs112e12	?	?	0.137795	2.4071	9.48957	9.34243	1.10737
1	hcs112f01	55005	RMND1	0.37063	-1.14536	9.71629	9.53266	1.13574
3	hcs112f01	55005	RMND1	0.109048	-2.77473	10.4935	10.6936	-1.14878
5	hcs112f01	55005	RMND1	0.760502	-0.348854	10.6645	10.7487	-1.06013
1	hcs112f02	64599	GIGYF1	0.900062	0.142045	10.1639	10.1897	0.982306
3	hcs112f02	64599	GIGYF1	0.471028	-0.881505	10.3491	10.5713	-1.16648
5	hcs112f02	64599	GIGYF1	0.927863	-0.102284	10.1072	10.1146	-1.0051
7	hcs112f02	64599	GIGYF1	0.645489	-0.536179	9.93481	9.98206	-1.0333
1	hcs112f03	1290	COL5A2	0.674228	-0.487295	9.58544	9.4864	1.07106
3	hcs112f03	1290	COL5A2	0.0459103	-4.50482	10.2204	10.6018	-1.30261
7	hcs112f03	1290	COL5A2	0.426887	0.989052	9.8021	9.63668	1.12149
3	hcs112f04	81493	SYNC	0.915873	-0.119397	11.2249	11.2392	-1.01001
5	hcs112f04	81493	SYNC	0.136485	2.42145	11.1718	10.9722	1.14838
7	hcs112f04	81493	SYNC	0.591538	0.632853	10.9354	10.8436	1.0657
1	hcs112f06	8087	FXR1	0.0354543	5.16859	11.745	12.2456	0.706813
3	hcs112f06	8087	FXR1	0.300701	1.38349	12.2038	12.0194	1.1364
5	hcs112f06	8087	FXR1	0.0860255	-3.18543	12.0788	12.1315	-1.03718
7	hcs112f06	8087	FXR1	0.336734	-1.25337	11.7982	12.0951	-1.22856
1	hcs112f07	151887	CCDC80	0.144857	2.3329	9.81593	10.7408	0.526728
3	hcs112f07	151887	CCDC80	0.119936	-2.62101	10.4691	11.0749	-1.52183
5	hcs112f07	151887	CCDC80	0.166856	-2.13042	10.6518	11.2033	-1.46561
7	hcs112f07	151887	CCDC80	0.072746	-3.50219	10.0969	10.8402	-1.67391
1	hcs112f08			0.100424	2.91277	10.255	10.4497	0.873769
3	hcs112f08			0.62042	-0.580232	10.4073	10.4959	-1.06332
1	hcs112f10	23536	ADAT1	0.706521	0.43416	11.7408	11.7995	0.960151
3	hcs112f10	23536	ADAT1	0.837286	0.23322	11.2429	11.2011	1.02942
5	hcs112f10	23536	ADAT1	0.171032	2.09609	11.7206	11.4512	1.20531
7	hcs112f10	23536	ADAT1	0.222758	1.74695	11.5166	11.3517	1.12109
1	hcs112f11	10095	ARPC1B	0.881446	0.168851	10.4633	10.4782	0.989748
3	hcs112f11	10095	ARPC1B	0.456281	-0.916199	10.393	10.6106	-1.16275
5	hcs112f11	10095	ARPC1B	0.451519	0.927654	10.6458	10.3896	1.1943
7	hcs112f11	10095	ARPC1B	0.191737	1.94126	10.3373	10.1417	1.14523
1	hcs112g02	2051	EPHB6	0.576445	0.66124	10.3523	10.4281	0.948838
3	hcs112g02	2051	EPHB6	0.605681	-0.60682	10.6819	10.7554	-1.05227
5	hcs112g02	2051	EPHB6	0.918175	-0.116107	10.3781	10.3949	-1.01172

7	hcs112g02	2051	EPHB6	0.619329	0.582183	10.0445	9.96447	1.05701
1	hcs112g03	51185	CRBN	0.275776	-1.4853	10.5452	10.2455	1.23092
3	hcs112g03	51185	CRBN	0.756256	0.355425	10.4788	10.468	1.00754
5	hcs112g03	51185	CRBN	0.366261	-1.15861	10.3416	10.6416	-1.23116
1	hcs112g08	?	?	0.339351	-1.24458	10.6954	10.6294	1.04681
3	hcs112g08	?	?	0.729728	0.396997	10.9447	10.9165	1.01976
5	hcs112g08	?	?	0.417664	1.01304	10.7268	10.5975	1.09381
7	hcs112g08	?	?	0.964793	-0.0498216	10.3211	10.3295	-1.00589
3	hcs112g09	1933	EEF1B2	0.45458	-0.920276	11.2416	11.2684	-1.0188
5	hcs112g09	1933	EEF1B2	0.26617	-1.52767	11.3109	11.5012	-1.14097
7	hcs112g09	1933	EEF1B2	0.368396	-1.15211	10.95	11.0948	-1.10558
1	hcs112g10	1503	CTPS	0.347487	-1.21776	10.4211	10.3515	1.0494
3	hcs112g10	1503	CTPS	0.789915	-0.303886	10.4617	10.529	-1.04775
5	hcs112g10	1503	CTPS	0.950124	0.0706236	10.3378	10.3267	1.00775
7	hcs112g10	1503	CTPS	0.225664	1.73059	9.94295	9.89844	1.03133
5	hcs112g11	2932	GSK3B	0.305533	-1.36496	9.46528	9.64752	-1.13465
1	hcs112g12	64770	CCDC14	0.491031	0.836203	9.91626	10.0097	0.937287
5	hcs112g12	64770	CCDC14	0.368295	1.15242	10.0015	9.95567	1.03231
1	hcs112h01	338382	RAB7B	0.0646511	3.73957	10.2864	10.4808	0.873957
3	hcs112h01	338382	RAB7B	0.878651	-0.172891	10.5179	10.5616	-1.03073
5	hcs112h01	338382	RAB7B	0.331681	1.27057	10.6781	10.4215	1.19466
7	hcs112h01	338382	RAB7B	0.130518	2.48931	10.653	10.2716	1.30258
1	hcs112h02	51400	PPME1	0.534639	0.743536	11.6344	11.7726	0.908652
3	hcs112h02	51400	PPME1	0.457358	0.913625	11.7413	11.7031	1.02681
5	hcs112h02	51400	PPME1	0.185949	1.98219	12.0775	11.7928	1.2181
7	hcs112h02	51400	PPME1	0.0078518	11.2188	11.9572	11.6045	1.27692
1	hcs112h03	7182	NR2C2	0.484337	0.851151	12.4092	12.4867	0.947698
5	hcs112h03	7182	NR2C2	0.221156	1.75609	12.7167	12.3587	1.28168
7	hcs112h03	7182	NR2C2	0.0105933	9.63858	12.3926	11.9402	1.36831
1	hcs112h04	?	?	0.543911	0.724781	10.9347	11.0664	0.912777
3	hcs112h04	?	?	0.596082	0.624431	11.2743	11.1772	1.06965
5	hcs112h04	?	?	0.221054	1.75668	11.3337	11.1956	1.10051
7	hcs112h04	?	?	0.620694	0.579743	10.9974	10.9617	1.02505
1	hcs112h06	83440	ADPGK	0.241943	1.64378	11.7646	11.8659	0.932171
3	hcs112h06	83440	ADPGK	0.17593	2.05726	11.9438	11.8474	1.06905
5	hcs112h06	83440	ADPGK	0.0543026	4.11452	11.9132	11.6837	1.1724
7	hcs112h06	83440	ADPGK	0.0336116	5.31603	11.6468	11.3756	1.20684
1	hcs112h07	63891	RNF123	0.656772	0.516792	12.1814	12.2301	0.966785
3	hcs112h07	63891	RNF123	0.197456	1.90241	12.3538	12.2319	1.08814
5	hcs112h07	63891	RNF123	0.0149165	8.09591	12.2273	11.9682	1.19676
7	hcs112h07	63891	RNF123	0.0472731	4.43461	12.0475	11.7803	1.20344
1	hcs112h08	5325	PLAGL1	0.628092	0.5666	9.63705	9.69535	0.960395
3	hcs112h08	5325	PLAGL1	0.613362	-0.592897	10.2231	10.3162	-1.06664
5	hcs112h08	5325	PLAGL1	0.151162	-2.27075	9.4956	9.76772	-1.20758
7	hcs112h08	5325	PLAGL1	0.91123	0.126037	9.66239	9.6325	1.02093
1	hcs112h10	285958	C7orf40	0.557046	0.698718	11.3292	11.3863	0.961216
3	hcs112h10	285958	C7orf40	0.712269	-0.424881	11.3908	11.4397	-1.03452



5	hcs112h10	285958	C7orf40	0.153879	-2.24506	11.3278	11.4427	-1.08288
7	hcs112h10	285958	C7orf40	0.162235	2.1698	11.1397	11.103	1.02576
1	hcs112h11	401466	C8orf59	0.332314	1.2684	10.7444	10.8436	0.933572
3	hcs112h11	401466	C8orf59	0.299003	-1.39008	10.6488	10.9158	-1.2033
5	hcs112h11	401466	C8orf59	0.120959	-2.60757	10.6719	10.8716	-1.14846
7	hcs112h11	401466	C8orf59	0.218797	1.7697	10.6603	10.5429	1.08478
1	hcs112h12	10974	C10orf116	0.462231	0.90206	10.9224	11.0226	0.932882
3	hcs112h12	10974	C10orf116	0.87491	0.178304	10.8578	10.8324	1.01774
5	hcs112h12	10974	C10orf116	0.973457	0.037551	10.9135	10.9086	1.00336
7	hcs112h12	10974	C10orf116	0.353775	1.19754	10.9057	10.847	1.04153
1	hcs113a01	23002	DAAM1	0.105341	-2.8321	9.56727	9.26206	1.2356
1	hcs113a02	?	?	0.710073	-0.42842	10.1563	10.137	1.01344
3	hcs113a02	?	?	0.422772	-0.999681	10.0276	10.2021	-1.12857
5	hcs113a02	?	?	0.455172	-0.918854	10.0976	10.2884	-1.14143
7	hcs113a02	?	?	0.941322	0.0831266	9.84768	9.84545	1.00155
1	hcs113a03	1870	E2F2	0.184079	-1.99578	10.1574	9.90414	1.1919
3	hcs113a03	1870	E2F2	0.485119	-0.849392	10.267	10.4158	-1.10865
5	hcs113a03	1870	E2F2	0.323029	-1.30077	10.0026	10.0899	-1.06237
7	hcs113a03	1870	E2F2	0.140962	2.37319	10.0523	9.95536	1.06952
1	hcs113a05	5018	OXA1L	0.432069	0.975822	10.7145	10.8566	0.906178
3	hcs113a05	5018	OXA1L	0.0810739	3.29478	11.057	10.9269	1.09437
5	hcs113a05	5018	OXA1L	0.0633283	3.78247	10.9296	10.8001	1.09394
7	hcs113a05	5018	OXA1L	0.749799	0.365462	10.6811	10.6472	1.02375
1	hcs113a08	?	?	0.590605	-0.63459	9.64748	9.54552	1.07323
3	hcs113a08	?	?	0.520979	-0.771743	10.1084	10.1645	-1.03969
5	hcs113a08	?	?	0.607386	0.603717	9.55729	9.45394	1.07426
1	hcs113a09	?	?	0.981639	-0.0259714	12.1099	12.1063	1.00248
3	hcs113a09	?	?	0.2671	1.52348	12.3102	11.9838	1.25394
5	hcs113a09	?	?	0.293659	1.41116	12.1816	12.0233	1.11595
7	hcs113a09	?	?	0.106294	-2.81708	11.792	12.0179	-1.16948
1	hcs113a11	5338	PLD2	0.78212	0.315714	9.5744	9.59443	0.98621
3	hcs113a11	5338	PLD2	0.249443	-1.60629	9.83303	10.1739	-1.26648
5	hcs113a11	5338	PLD2	0.604306	0.609328	9.76597	9.66568	1.07199
7	hcs113a11	5338	PLD2	0.311494	1.3426	9.68579	9.62628	1.04211
1	hcs113a12	8507	ENC1	0.113262	2.71277	10.1809	10.4166	0.849273
3	hcs113a12	8507	ENC1	0.346787	1.22004	10.4422	10.2947	1.10759
5	hcs113a12	8507	ENC1	0.263057	1.54181	10.6424	10.2939	1.27327
7	hcs113a12	8507	ENC1	0.269073	1.51466	10.152	10.0347	1.08467
1	hcs113b03	2074	ERCC6	0.322556	1.30245	11.824	11.9947	0.888391
3	hcs113b03	2074	ERCC6	0.772274	0.330743	11.5165	11.4723	1.03106
5	hcs113b03	2074	ERCC6	0.0665474	3.68023	11.9817	11.5057	1.39091
7	hcs113b03	2074	ERCC6	0.0033157	17.3231	11.6452	10.8999	1.67632
1	hcs113b04	84259	DCUN1D5	0.664288	0.504019	11.5283	11.569	0.972183
3	hcs113b04	84259	DCUN1D5	0.344935	1.22609	11.766	11.6906	1.05365
5	hcs113b04	84259	DCUN1D5	0.297474	1.39607	11.6456	11.3817	1.20072
7	hcs113b04	84259	DCUN1D5	0.0212603	6.74843	11.2415	11.0853	1.11432
1	hcs113b05	121457	IKBIP	0.9455	0.07719	10.2579	10.2664	0.994121

3	hcs113b05	121457	IKBIP	0.359692	-1.1789	10.635	10.8079	-1.12733
5	hcs113b05	121457	IKBIP	0.20243	-1.86983	10.2176	10.375	-1.11534
7	hcs113b05	121457	IKBIP	0.636564	0.551701	9.89713	9.87457	1.01576
5	hcs113b06	7431	VIM	0.836058	0.235029	10.1403	10.0935	1.03297
7	hcs113b06	7431	VIM	0.566186	0.680914	10.0158	9.87107	1.10555
1	hcs113b07	7110	TMF1	0.732596	0.392458	13.0842	13.1257	0.971667
3	hcs113b07	7110	TMF1	0.469862	0.884207	13.1635	13.0951	1.0486
5	hcs113b07	7110	TMF1	0.77328	-0.329203	13.1845	13.2369	-1.03696
7	hcs113b07	7110	TMF1	0.196818	-1.90667	12.6743	13.0678	-1.31355
1	hcs113b10	22998	LIMCH1	0.843145	-0.224607	10.3606	10.3298	1.02158
3	hcs113b10	22998	LIMCH1	0.680143	-0.477427	10.4139	10.4704	-1.03995
5	hcs113b10	22998	LIMCH1	0.500528	0.815347	10.4417	10.3039	1.10018
5	hcs113b12	79745	CLIP4	0.795316	0.295728	9.02868	9.02378	1.0034
1	hcs113c01	84186	ZCCHC7	0.424818	0.994382	11.1034	11.325	0.857614
3	hcs113c01	84186	ZCCHC7	0.071219	3.54396	11.2792	11.1649	1.0824
5	hcs113c01	84186	ZCCHC7	0.0108929	9.50291	11.2195	10.9339	1.21892
7	hcs113c01	84186	ZCCHC7	0.0575855	3.98501	10.903	10.752	1.11034
3	hcs113c03	4701	NDUFA7	0.418947	1.00967	10.3123	9.95798	1.27842
5	hcs113c03	4701	NDUFA7	0.0098867	-9.98237	10.2202	10.4024	-1.1346
1	hcs113c04	8038	ADAM12	0.0672452	-3.65901	11.2476	11.1595	1.06299
3	hcs113c04	8038	ADAM12	0.313991	1.33339	11.4145	11.1073	1.23725
5	hcs113c04	8038	ADAM12	0.554591	0.703545	10.7658	10.6654	1.0721
7	hcs113c04	8038	ADAM12	0.743427	-0.375416	10.9657	11.0037	-1.02674
1	hcs113c06	26092	TOR1AIP1	0.805982	0.279698	12.4508	12.5166	0.955393
3	hcs113c06	26092	TOR1AIP1	0.604302	0.609335	12.3787	12.3139	1.04596
5	hcs113c06	26092	TOR1AIP1	0.199962	1.88587	12.3818	11.9442	1.35429
7	hcs113c06	26092	TOR1AIP1	0.0871859	3.1611	12.2745	11.9617	1.24212
1	hcs113c07	51714	SELT	0.864877	0.192862	11.5246	11.5564	0.978199
3	hcs113c07	51714	SELT	0.80198	0.2857	11.5979	11.5858	1.00842
5	hcs113c07	51714	SELT	0.0490141	4.34912	11.773	11.4884	1.2181
7	hcs113c07	51714	SELT	0.0012046	28.7863	11.387	11.223	1.12036
1	hcs113c08	4053	LTBP2	0.99628	0.0052612	12.0099	12.0108	0.999376
3	hcs113c08	4053	LTBP2	0.866115	0.191062	12.14	12.1277	1.00854
5	hcs113c08	4053	LTBP2	0.0586178	3.94649	12.1328	11.7958	1.2631
7	hcs113c08	4053	LTBP2	0.0495053	4.3258	11.8784	11.695	1.13553
1	hcs113c09	4864	NPC1	0.866365	0.190699	12.2053	12.2434	0.97396
3	hcs113c09	4864	NPC1	0.456042	0.916769	12.1256	12.0366	1.06361
5	hcs113c09	4864	NPC1	0.124038	2.56809	12.0515	11.6527	1.31844
7	hcs113c09	4864	NPC1	0.0185028	7.24917	12.1115	11.7934	1.24669
1	hcs113c10	9318	COPS2	0.720123	-0.412283	11.4513	11.3776	1.05241
3	hcs113c10	9318	COPS2	0.455541	0.91797	11.3613	11.3424	1.01319
5	hcs113c10	9318	COPS2	0.0826324	3.25935	11.5121	11.1896	1.25052
7	hcs113c10	9318	COPS2	0.0356412	5.15427	11.2396	10.9791	1.19792
1	hcs113c11	286148	DPY19L4	0.883271	0.166216	11.8919	11.9164	0.983184
5	hcs113c11	286148	DPY19L4	0.0239593	6.34377	11.9881	11.5727	1.33364
7	hcs113c11	286148	DPY19L4	0.0716508	3.53202	11.7644	11.5074	1.19499
1	hcs113c12	3476	IGBP1	0.465859	0.893533	11.9775	12.0459	0.953673

3	hcs113c12	3476	IGBP1	0.202863	1.86705	12.1147	11.8394	1.21027
5	hcs113c12	3476	IGBP1	0.0021547	21.508	12.0795	11.5903	1.4037
7	hcs113c12	3476	IGBP1	0.01753	7.45314	11.9214	11.5797	1.26731
1	hcs113d01	?	?	0.220572	1.75944	11.7266	11.9624	0.849233
3	hcs113d01	?	?	0.843439	0.224175	12.3199	12.2849	1.02458
5	hcs113d01	?	?	0.398473	1.06489	12.1515	12.0458	1.07604
7	hcs113d01	?	?	0.064344	3.74941	12.0774	11.7925	1.21833
1	hcs113d02	?	?	0.484452	0.850891	11.8772	11.9486	0.951714
3	hcs113d02	?	?	0.0855789	3.19491	12.2608	12.1437	1.08455
5	hcs113d02	?	?	0.158347	2.20414	12.259	12.1431	1.08368
7	hcs113d02	?	?	0.669824	-0.494681	11.7158	11.8585	-1.10397
1	hcs113d05	53917	RAB24	0.0405706	4.81235	11.2152	11.4517	0.848782
3	hcs113d05	53917	RAB24	0.368915	1.15054	11.5506	11.5181	1.02283
5	hcs113d05	53917	RAB24	0.386387	1.099	11.4358	11.205	1.17349
7	hcs113d05	53917	RAB24	0.0692049	3.60108	11.1879	10.8768	1.24065
1	hcs113d07	158	ADSL	0.225655	1.73064	10.3869	10.5913	0.86787
3	hcs113d07	158	ADSL	0.618994	-0.582781	10.7525	10.8261	-1.05236
5	hcs113d07	158	ADSL	0.0549247	4.08912	10.4946	10.2631	1.17408
7	hcs113d07	158	ADSL	0.538593	0.735501	10.0528	10.0255	1.01911
1	hcs113d08	378	ARF4	0.987142	0.0181857	10.4679	10.4727	0.996672
5	hcs113d08	378	ARF4	0.590376	0.635015	11.1646	11.0006	1.12039
7	hcs113d08	378	ARF4	0.0994441	-2.92952	10.2353	10.718	-1.39733
1	hcs113d09	1809	DPYSL3	0.0229073	6.49307	9.92196	10.154	0.851434
3	hcs113d09	1809	DPYSL3	0.217237	-1.77882	10.1704	10.3908	-1.16505
5	hcs113d09	1809	DPYSL3	0.708522	0.430925	9.87264	9.79571	1.05477
7	hcs113d09	1809	DPYSL3	0.20885	1.82933	9.76519	9.59351	1.12637
1	hcs113d10	9101	USP8	0.426944	-0.988905	10.9916	10.8261	1.12158
3	hcs113d10	9101	USP8	0.996668	0.0047119	10.7591	10.7583	1.00055
5	hcs113d10	9101	USP8	0.0202077	6.92756	11.0599	10.6867	1.29522
7	hcs113d10	9101	USP8	0.0534264	4.15103	10.7307	10.5384	1.14258
1	hcs113d12	55623	THUMPD1	0.722379	0.40868	9.53375	9.56349	0.979594
3	hcs113d12	55623	THUMPD1	0.679302	-0.478827	9.73591	9.85531	-1.08629
5	hcs113d12	55623	THUMPD1	0.980464	0.0276339	9.43703	9.43435	1.00186
7	hcs113d12	55623	THUMPD1	0.876842	-0.175509	9.30411	9.3125	-1.00583
1	hcs113e01	26266	SLC13A4	0.610124	-0.598748	9.80157	9.71686	1.06047
3	hcs113e01	26266	SLC13A4	0.644587	-0.53774	9.98355	10.0713	-1.06274
5	hcs113e01	26266	SLC13A4	0.16584	-2.13895	9.90755	10.1822	-1.20967
1	hcs113e02	221061	FAM171A1	0.483707	0.852568	11.2542	11.3167	0.957603
3	hcs113e02	221061	FAM171A1	0.123142	2.57944	11.7288	11.4829	1.18583
5	hcs113e02	221061	FAM171A1	0.215666	1.78808	11.4376	11.191	1.18644
7	hcs113e02	221061	FAM171A1	0.0486808	4.36514	11.502	11.0565	1.36175
1	hcs113e03	?	?	0.183021	-2.00355	10.8732	10.7557	1.08488
5	hcs113e03	?	?	0.0622379	-3.81883	10.4437	10.8205	-1.29853
7	hcs113e03	?	?	0.377847	-1.12385	10.4556	10.609	-1.11221
1	hcs113e04	54881	TEX10	0.0225374	6.54801	12.1102	12.3022	0.875411
3	hcs113e04	54881	TEX10	0.174832	-2.06583	12.4223	12.458	-1.02501
5	hcs113e04	54881	TEX10	0.214698	1.79383	12.2933	12.1836	1.07905

7	hcs113e04	54881	TEX10	0.263194	-1.54118	12.1588	12.2698	-1.07995
1	hcs113e05	65220	NADK	0.207238	1.83934	10.8629	10.987	0.917555
3	hcs113e05	65220	NADK	0.0452176	4.54168	11.2649	11.088	1.1304
5	hcs113e05	65220	NADK	0.0509555	4.25888	11.4187	11.0879	1.25771
7	hcs113e05	65220	NADK	0.025671	6.12054	11.0325	10.8706	1.11876
1	hcs113e07	5328	PLAU	0.0153632	7.97461	12.013	12.2231	0.864477
3	hcs113e07	5328	PLAU	0.760467	0.348908	12.0525	12.0142	1.02688
5	hcs113e07	5328	PLAU	0.0533329	4.15498	12.365	11.9454	1.33759
7	hcs113e07	5328	PLAU	0.143463	2.34715	12.0819	11.8593	1.16689
5	hcs113e08	55628	ZNF407	0.236117	-1.67396	9.34267	9.54902	-1.15377
1	hcs113e09	26140	TTL3	0.495984	0.825277	11.0496	11.2377	0.877761
3	hcs113e09	26140	TTL3	0.981529	0.0261268	11.2009	11.1977	1.0022
5	hcs113e09	26140	TTL3	0.619307	0.582221	11.1708	11.0377	1.0967
7	hcs113e09	26140	TTL3	0.238225	1.66293	10.9671	10.7947	1.12693
3	hcs113e10	2098	ESD	0.400521	1.05922	10.7502	10.5584	1.14222
5	hcs113e10	2098	ESD	0.462478	-0.901477	10.768	10.886	-1.08523
7	hcs113e10	2098	ESD	0.121502	-2.60051	10.158	10.4169	-1.19657
1	hcs113e11	153830	RNF145	0.809568	-0.274332	10.5729	10.5644	1.00593
3	hcs113e11	153830	RNF145	0.254456	1.58204	10.6112	10.477	1.09748
5	hcs113e11	153830	RNF145	0.0144958	8.21518	10.4391	10.3724	1.04732
7	hcs113e11	153830	RNF145	0.73114	-0.39476	10.3617	10.398	-1.02547
1	hcs113e12	91461	PKDCC	0.131441	2.47854	9.5434	9.64544	0.931717
3	hcs113e12	91461	PKDCC	0.51889	-0.776118	9.74986	9.8922	-1.10369
5	hcs113e12	91461	PKDCC	0.293461	-1.41195	9.48233	9.64248	-1.1174
7	hcs113e12	91461	PKDCC	0.409908	-1.03367	9.50041	9.6151	-1.08274
1	hcs113f01	3486	IGFBP3	0.030102	5.63276	11.7833	11.9707	0.878166
3	hcs113f01	3486	IGFBP3	0.313736	1.33432	12.435	12.3084	1.09169
5	hcs113f01	3486	IGFBP3	0.201929	1.87307	12.0921	11.7141	1.29948
7	hcs113f01	3486	IGFBP3	0.0331979	5.35078	11.9398	11.6677	1.20754
3	hcs113f02	23583	SMUG1	0.186432	1.9787	11.6197	11.4776	1.10346
5	hcs113f02	23583	SMUG1	0.237331	1.66759	11.687	11.3414	1.27071
7	hcs113f02	23583	SMUG1	0.0990485	2.93634	11.5892	11.1379	1.3673
1	hcs113f03	51092	SIDT2	0.964	0.050945	11.7519	11.7592	0.994976
3	hcs113f03	51092	SIDT2	0.664512	0.503641	11.8559	11.7841	1.05105
5	hcs113f03	51092	SIDT2	0.219885	1.76341	12.0037	11.8737	1.09434
7	hcs113f03	51092	SIDT2	0.208915	1.82892	11.5588	11.4361	1.08875
1	hcs113f04	112398	EGLN2	0.377808	1.12396	12.4117	12.4764	0.956166
3	hcs113f04	112398	EGLN2	0.0562955	4.03458	12.4492	12.3533	1.06876
5	hcs113f04	112398	EGLN2	0.38505	1.10285	12.4411	12.1437	1.22896
7	hcs113f04	112398	EGLN2	0.047991	4.39881	12.331	11.9046	1.34388
1	hcs113f05	3735	KARS	0.447283	0.937952	12.4134	12.5524	0.90817
3	hcs113f05	3735	KARS	0.644235	0.538348	12.3837	12.3054	1.05575
7	hcs113f05	3735	KARS	0.017786	7.39787	12.1757	11.8664	1.23916
3	hcs113f07	10069	RWDD2B	0.975413	0.0347823	10.4304	10.4275	1.002
5	hcs113f07	10069	RWDD2B	0.095147	3.00583	10.0235	9.79416	1.17227
3	hcs113f08	22856	CHSY1	0.430407	-0.980047	10.1443	10.3059	-1.11854
5	hcs113f08	22856	CHSY1	0.0996519	2.92595	9.87959	9.70723	1.1269

1	hcs113f09	64065	PERP	0.320667	1.30919	11.6445	11.8185	0.886382
3	hcs113f09	64065	PERP	0.764596	0.342538	11.6164	11.5856	1.02158
5	hcs113f09	64065	PERP	0.195286	1.91698	11.8072	11.5043	1.23365
7	hcs113f09	64065	PERP	0.011028	9.44357	11.6565	11.2507	1.32479
1	hcs113f10	63876	PKNOX2	0.579003	-0.656383	10.1903	10.0783	1.08071
3	hcs113f10	63876	PKNOX2	0.814857	-0.266438	10.2408	10.2713	-1.0214
5	hcs113f10	63876	PKNOX2	0.603122	-0.611491	9.84958	9.90964	-1.0425
7	hcs113f10	63876	PKNOX2	0.355853	-1.19095	9.62299	9.80744	-1.13639
1	hcs113f11	25890	ABI3BP	0.638735	-0.54791	12.1771	12.106	1.05052
3	hcs113f11	25890	ABI3BP	0.048113	4.3928	11.8129	11.7461	1.04742
5	hcs113f11	25890	ABI3BP	0.0893262	3.11742	11.9125	11.7081	1.15223
7	hcs113f11	25890	ABI3BP	0.223215	1.74436	11.4695	11.316	1.11229
1	hcs113f12	104	ADARB1	0.391007	-1.08582	11.469	11.427	1.02954
3	hcs113f12	104	ADARB1	0.80089	-0.287337	11.2607	11.3042	-1.03056
5	hcs113f12	104	ADARB1	0.565483	-0.682274	11.3285	11.3596	-1.02184
7	hcs113f12	104	ADARB1	0.960587	-0.0557816	10.9097	10.9114	-1.00113
5	hcs113g02	7058	THBS2	0.638949	-0.547536	9.74711	9.93396	-1.13828
1	hcs113g03	1500	CTNND1	0.462617	0.90115	11.1312	11.3034	0.887509
3	hcs113g03	1500	CTNND1	0.766088	0.34024	11.0284	10.9642	1.04548
5	hcs113g03	1500	CTNND1	0.156524	2.22064	11.3988	11.1155	1.21692
7	hcs113g03	1500	CTNND1	0.148731	2.29428	10.7517	10.5607	1.14155
1	hcs113g04	2036	EPB41L1	0.365546	1.1608	12.6542	12.9461	0.816844
3	hcs113g04	2036	EPB41L1	0.448596	0.934748	12.4811	12.3664	1.08275
5	hcs113g04	2036	EPB41L1	0.197056	1.90508	12.9957	12.5174	1.39313
7	hcs113g04	2036	EPB41L1	0.0185114	7.24745	12.8059	12.3028	1.41732
1	hcs113g05	3954	LETM1	0.195315	-1.91678	9.99897	9.8409	1.1158
3	hcs113g05	3954	LETM1	0.664245	-0.504092	10.0385	10.1355	-1.06951
5	hcs113g05	3954	LETM1	0.393081	1.07996	10.113	9.82479	1.22109
7	hcs113g05	3954	LETM1	0.0295562	5.68695	9.80474	9.66959	1.0982
1	hcs113g06	2801	GOLGA2	0.43689	0.963669	11.0646	11.201	0.909807
3	hcs113g06	2801	GOLGA2	0.532605	-0.747692	11.1803	11.2526	-1.05139
5	hcs113g06	2801	GOLGA2	0.586583	0.6421	11.2043	11.1275	1.05468
7	hcs113g06	2801	GOLGA2	0.160764	2.18266	10.9136	10.7257	1.13916
1	hcs113g07	51098	IFT52	0.534906	0.742991	12.3193	12.4724	0.899316
3	hcs113g07	51098	IFT52	0.109078	2.77428	12.6228	12.4371	1.13737
5	hcs113g07	51098	IFT52	0.0011718	29.1868	12.7427	12.3505	1.31236
7	hcs113g07	51098	IFT52	0.455729	0.917519	12.4523	12.2638	1.1396
1	hcs113g08	8614	STC2	0.0148447	8.11589	10.0278	10.4458	0.748444
3	hcs113g08	8614	STC2	0.526095	-0.761097	10.2831	10.4355	-1.11138
5	hcs113g08	8614	STC2	0.319475	1.31346	10.6677	10.4156	1.19094
7	hcs113g08	8614	STC2	0.2512	-1.59772	9.95991	10.1932	-1.17554
1	hcs113g09	150368	FAM109B	0.265875	1.52899	10.6884	11.0117	0.799221
3	hcs113g09	150368	FAM109B	0.494762	-0.827961	10.6612	10.745	-1.05976
5	hcs113g09	150368	FAM109B	0.0132084	8.61469	10.72	10.5047	1.16095
7	hcs113g09	150368	FAM109B	0.187298	1.9725	10.6675	10.2982	1.29167
1	hcs113g10	4008	LMO7	0.414071	1.02254	11.4859	11.7567	0.828879
3	hcs113g10	4008	LMO7	0.913313	0.123057	11.2768	11.2681	1.00605

5	hcs113g10	4008	LMO7	0.0759865	3.4176	11.6419	11.3843	1.19546
7	hcs113g10	4008	LMO7	0.0041907	15.3988	11.5012	11.2163	1.21833
1	hcs113g11	8220	DGCR14	0.334821	1.25984	9.82373	10.1884	0.776638
3	hcs113g11	8220	DGCR14	0.627525	-0.567602	9.89544	10.039	-1.10463
5	hcs113g11	8220	DGCR14	0.803938	0.282761	9.9666	9.90524	1.04344
7	hcs113g11	8220	DGCR14	0.049174	4.34149	9.88545	9.75612	1.09378
1	hcs113g12	79829	NAA40	0.485049	0.84955	11.916	12.108	0.875412
3	hcs113g12	79829	NAA40	0.38882	1.09204	11.8777	11.8005	1.05492
5	hcs113g12	79829	NAA40	0.0083466	10.8771	12.351	12.0303	1.24899
7	hcs113g12	79829	NAA40	0.141837	2.364	11.9754	11.7537	1.16611
1	hcs113h02	55100	WDR70	0.491179	0.835876	12.1167	12.2377	0.919529
5	hcs113h02	55100	WDR70	0.604233	0.60946	12.3073	12.2087	1.07071
7	hcs113h02	55100	WDR70	0.803057	0.284083	12.0687	12.0221	1.03283
1	hcs113h03	54851	ANKRD49	0.209955	-1.82252	10.1717	9.95609	1.16119
5	hcs113h03	54851	ANKRD49	0.981788	0.0257594	11.0991	11.0876	1.00799
7	hcs113h03	54851	ANKRD49	0.157765	-2.20938	9.89654	10.1345	-1.17935
3	hcs113h06	387758	FIBIN	0.47065	0.88238	12.7817	12.7246	1.0404
7	hcs113h06	387758	FIBIN	0.187976	-1.96766	12.1638	12.5355	-1.29382
1	hcs113h07	54517	PUS7	0.178861	2.03471	10.2893	10.5619	0.827807
3	hcs113h07	54517	PUS7	0.453929	-0.92184	10.9102	10.9903	-1.05712
5	hcs113h07	54517	PUS7	0.0716113	3.53311	10.6614	10.5129	1.10842
7	hcs113h07	54517	PUS7	0.0309133	-5.55485	10.3687	10.4926	-1.08973
1	hcs113h08	55384	MEG3	0.481954	0.856522	12.33	12.3638	0.976821
3	hcs113h08	55384	MEG3	0.178776	2.03536	12.3892	12.2561	1.09665
5	hcs113h08	55384	MEG3	0.222914	1.74607	12.4822	12.2924	1.14055
7	hcs113h08	55384	MEG3	0.257121	1.56939	12.0508	11.936	1.08285
1	hcs113h09	372	ARCN1	0.100048	-2.91917	12.2468	12.1878	1.04174
3	hcs113h09	372	ARCN1	0.189805	1.95474	12.3741	12.2637	1.07955
5	hcs113h09	372	ARCN1	0.075181	3.43813	12.4129	12.0425	1.29268
7	hcs113h09	372	ARCN1	0.0650172	3.72792	11.9647	11.7289	1.17751
1	hcs113h10	54464	XRN1	0.246506	-1.6208	10.6071	10.4614	1.10629
3	hcs113h10	54464	XRN1	0.150827	2.27396	10.585	10.3924	1.14285
5	hcs113h10	54464	XRN1	0.0606433	3.87369	10.7032	10.2747	1.34589
7	hcs113h10	54464	XRN1	0.0700369	3.5772	10.5252	10.3126	1.15877
1	hcs113h12	55669	MFN1	0.736313	0.386593	12.2847	12.3437	0.959951
3	hcs113h12	55669	MFN1	0.815515	0.265458	11.9661	11.9193	1.03299
5	hcs113h12	55669	MFN1	0.0528334	4.17624	12.2768	11.952	1.25243
7	hcs113h12	55669	MFN1	0.0321788	5.43917	12.0239	11.6461	1.2993
1	hcs114a03	81573	ANKRD13C	0.676427	0.483619	11.4138	11.4812	0.954356
3	hcs114a03	81573	ANKRD13C	0.149841	2.28347	11.6001	11.4559	1.10512
5	hcs114a03	81573	ANKRD13C	0.211706	1.81183	11.541	11.2518	1.22202
7	hcs114a03	81573	ANKRD13C	0.0836867	3.23592	11.3668	11.0404	1.25385
1	hcs114a04	84991	RBM17	0.966784	-0.0470006	11.5902	11.5808	1.00651
3	hcs114a04	84991	RBM17	0.116414	2.6685	11.6495	11.516	1.09695
5	hcs114a04	84991	RBM17	0.200634	1.88148	11.7672	11.5247	1.18304
7	hcs114a04	84991	RBM17	0.306638	1.36078	11.4614	11.3722	1.06373
1	hcs114a05	7076	TIMP1	0.321168	1.3074	11.6297	11.6729	0.9705

3	hcs114a05	7076	TIMP1	0.51381	-0.786834	11.5371	11.6187	-1.05817
5	hcs114a05	7076	TIMP1	0.228964	-1.71235	11.5761	11.763	-1.13832
7	hcs114a05	7076	TIMP1	0.132492	-2.46639	11.2375	11.5627	-1.25287
1	hcs114a06	79932	KIAA0319L	0.982391	0.0249065	11.4112	11.4169	0.99608
3	hcs114a06	79932	KIAA0319L	0.135209	2.43561	11.5618	11.3786	1.13543
5	hcs114a06	79932	KIAA0319L	0.401244	1.05723	11.4376	11.3539	1.05973
7	hcs114a06	79932	KIAA0319L	0.0069822	11.9047	11.264	11.199	1.04606
1	hcs114a07	7019	TFAM	0.605505	0.60714	11.5018	11.6249	0.918191
3	hcs114a07	7019	TFAM	0.702949	0.439952	11.6079	11.5701	1.02655
5	hcs114a07	7019	TFAM	0.0818268	3.27754	11.7674	11.446	1.2496
7	hcs114a07	7019	TFAM	0.130231	2.49269	11.4196	11.1907	1.17191
1	hcs114a08	85027	C5orf62	0.831078	-0.242376	10.0278	9.98096	1.033
3	hcs114a08	85027	C5orf62	0.701504	0.442301	10.5558	10.4764	1.05661
5	hcs114a08	85027	C5orf62	0.726507	-0.402109	10.1438	10.1831	-1.02756
7	hcs114a08	85027	C5orf62	0.125299	-2.55232	9.74117	9.91749	-1.13
1	hcs114a10			0.987167	0.0181502	10.4223	10.4279	0.996103
3	hcs114a10			0.760799	-0.348396	10.5783	10.6244	-1.03242
5	hcs114a10			0.259131	1.55996	10.4596	10.2639	1.14526
7	hcs114a10			0.146849	2.31286	10.7265	10.4521	1.20944
1	hcs114a11	58491	ZNF71	0.928121	0.101915	12.2036	12.2198	0.988811
3	hcs114a11	58491	ZNF71	0.554619	-0.70349	12.0549	12.1151	-1.04259
5	hcs114a11	58491	ZNF71	0.0099995	9.92506	12.4187	11.8947	1.43797
7	hcs114a11	58491	ZNF71	0.0012781	27.9446	12.2882	11.7941	1.40847
1	hcs114a12	476	ATP1A1	0.146007	-2.32129	12.8775	12.6928	1.13658
3	hcs114a12	476	ATP1A1	0.887892	-0.159551	12.6663	12.6767	-1.00723
5	hcs114a12	476	ATP1A1	0.0451143	-4.54725	12.5431	12.6704	-1.09222
7	hcs114a12	476	ATP1A1	0.17706	-2.0485	12.1807	12.4155	-1.17674
1	hcs114b01	10838	ZNF275	0.331934	1.2697	11.3164	11.4625	0.90369
3	hcs114b01	10838	ZNF275	0.501835	0.812508	11.5677	11.5037	1.04538
5	hcs114b01	10838	ZNF275	0.324068	1.2971	11.6554	11.5284	1.09207
7	hcs114b01	10838	ZNF275	0.119248	2.63014	11.3278	11.1922	1.09857
1	hcs114b02	55163	PNPO	0.481526	0.85749	11.0228	11.1825	0.895191
3	hcs114b02	55163	PNPO	0.491191	0.835847	11.2005	11.0698	1.09488
5	hcs114b02	55163	PNPO	0.120794	2.60973	11.4902	11.1308	1.28295
7	hcs114b02	55163	PNPO	0.105007	2.8374	11.1619	10.865	1.2285
1	hcs114b03	9262	STK17B	0.0438588	4.61646	11.3699	11.444	0.949956
3	hcs114b03	9262	STK17B	0.988436	-0.0163551	11.5554	11.5569	-1.00102
5	hcs114b03	9262	STK17B	0.989558	-0.0147683	11.5891	11.5905	-1.00095
7	hcs114b03	9262	STK17B	0.408372	-1.0378	10.9404	11.0852	-1.10563
1	hcs114b04	83660	TLN2	0.643478	0.539661	11.5857	11.6436	0.960661
3	hcs114b04	83660	TLN2	0.650213	-0.52803	11.7841	11.7946	-1.00726
5	hcs114b04	83660	TLN2	0.233277	1.68901	11.5906	11.2148	1.29756
7	hcs114b04	83660	TLN2	0.0539705	4.12826	11.5275	11.1676	1.28331
1	hcs114b05	4430	MYO1B	0.238605	1.66095	12.4978	12.5535	0.962105
3	hcs114b05	4430	MYO1B	0.225275	1.73277	12.5566	12.5093	1.03335
5	hcs114b05	4430	MYO1B	0.270247	1.50945	12.6817	12.4861	1.14523
7	hcs114b05	4430	MYO1B	0.0071696	11.7464	12.4896	12.1471	1.26792

1	hcs114b06	64342	HS1BP3	0.724112	0.405919	10.8817	10.9117	0.979443
3	hcs114b06	64342	HS1BP3	0.548945	-0.714724	11.1683	11.2512	-1.05917
5	hcs114b06	64342	HS1BP3	0.146935	2.31201	10.8641	10.7525	1.08043
7	hcs114b06	64342	HS1BP3	0.401853	1.05556	10.7426	10.6077	1.09802
1	hcs114b07	686	BTD	0.108611	2.78134	11.5469	11.7197	0.887099
3	hcs114b07	686	BTD	0.0186273	7.22423	11.6865	11.5583	1.0929
5	hcs114b07	686	BTD	0.0461699	4.49121	11.7927	11.4726	1.24845
7	hcs114b07	686	BTD	0.0030971	17.927	11.3553	11.1988	1.11458
1	hcs114b08	3601	IL15RA	0.0180622	-7.33953	9.90545	9.76892	1.09926
3	hcs114b08	3601	IL15RA	0.0052011	-13.8118	10.2441	10.4285	-1.13632
5	hcs114b08	3601	IL15RA	0.377715	1.12424	10.0566	9.88566	1.12579
7	hcs114b08	3601	IL15RA	0.514453	0.78547	9.85516	9.7167	1.10072
1	hcs114b10	79441	HAUS3	0.959328	-0.0575672	11.393	11.3821	1.00756
5	hcs114b10	79441	HAUS3	0.140187	2.38139	11.4142	11.0533	1.28429
7	hcs114b10	79441	HAUS3	0.0024696	20.0852	11.3188	10.9483	1.2928
1	hcs114b11	55869	HDAC8	0.983028	-0.0240057	10.3453	10.3396	1.00399
3	hcs114b11	55869	HDAC8	0.0150674	-8.05432	10.5524	10.7352	-1.13507
5	hcs114b11	55869	HDAC8	0.948858	0.0724206	10.1919	10.1848	1.00499
7	hcs114b11	55869	HDAC8	0.125627	-2.54825	9.76799	9.84127	-1.0521
5	hcs114b12	9972	NUP153	0.107282	2.80171	9.58048	9.20307	1.29901
1	hcs114c02	1645	AKR1C1	0.846804	-0.21924	10.6823	10.6488	1.02347
3	hcs114c02	1645	AKR1C1	0.309617	1.34958	10.985	10.7159	1.20506
5	hcs114c02	1645	AKR1C1	0.92968	0.0996939	10.6933	10.6809	1.00861
7	hcs114c02	1645	AKR1C1	0.0402104	4.83523	10.6818	10.43	1.19066
1	hcs114c03	4154	MBNL1	0.649599	-0.529085	11.458	11.4075	1.03562
5	hcs114c03	4154	MBNL1	0.828278	0.246514	11.6494	11.6265	1.01598
7	hcs114c03	4154	MBNL1	0.911496	0.125656	11.2571	11.2471	1.00696
1	hcs114c04	113	ADCY7	0.0246381	6.25251	11.1458	11.35	0.868
3	hcs114c04	113	ADCY7	0.828852	0.245665	11.3626	11.328	1.02423
5	hcs114c04	113	ADCY7	0.100346	2.91408	11.3275	10.9545	1.29501
7	hcs114c04	113	ADCY7	0.0039699	15.8239	11.1295	10.8922	1.17878
7	hcs114c05	8565	YARS	0.518771	0.776368	11.0834	10.996	1.06245
1	hcs114c06	?	?	0.714524	0.421254	11.2533	11.3789	0.916623
3	hcs114c06	?	?	0.383137	1.10838	11.4389	11.3922	1.03295
5	hcs114c06	?	?	0.156959	2.21668	11.5821	11.2357	1.27138
7	hcs114c06	?	?	0.60249	0.612648	11.2138	11.116	1.07017
1	hcs114c07	11031	RAB31	0.280854	1.46364	11.2402	11.5713	0.794912
3	hcs114c07	11031	RAB31	0.733153	0.391578	11.4921	11.4388	1.03764
5	hcs114c07	11031	RAB31	0.0186302	7.22364	11.6947	11.2982	1.31634
7	hcs114c07	11031	RAB31	0.0134108	8.54811	11.3648	11.0422	1.25052
1	hcs114c08	23471	TRAM1	0.540314	-0.732022	13.0852	13.0063	1.05624
5	hcs114c08	23471	TRAM1	0.13343	2.45567	13.2274	12.897	1.25742
7	hcs114c08	23471	TRAM1	0.709289	0.429686	12.97	12.9031	1.04749
1	hcs114c10	9410	SNRNP40	0.870324	0.184951	11.6486	11.6855	0.974725
3	hcs114c10	9410	SNRNP40	0.926646	-0.104019	11.4374	11.4533	-1.01113
5	hcs114c10	9410	SNRNP40	0.0550078	4.08575	11.634	11.2783	1.27961
7	hcs114c10	9410	SNRNP40	0.0167106	7.6385	11.4253	11.1691	1.1943



1	hcs114c11	123169	LEO1	0.805695	0.280128	11.7755	11.8101	0.97628
3	hcs114c11	123169	LEO1	0.439729	0.956579	11.9079	11.8548	1.03754
5	hcs114c11	123169	LEO1	0.0088882	10.5362	11.9474	11.6453	1.23294
7	hcs114c11	123169	LEO1	0.0462435	4.48737	11.7561	11.4854	1.20639
1	hcs114c12	5347	PLK1	0.0910179	3.08394	12.0061	12.1171	0.925925
3	hcs114c12	5347	PLK1	0.360759	1.17557	12.019	11.8558	1.11979
5	hcs114c12	5347	PLK1	0.0169979	7.572	12.0048	11.6403	1.28749
7	hcs114c12	5347	PLK1	0.041304	4.76668	11.8953	11.6364	1.19657
1	hcs114d01	79139	DERL1	0.209692	1.82413	10.2368	10.3469	0.926494
3	hcs114d01	79139	DERL1	0.448713	-0.934465	10.4272	10.6006	-1.12769
5	hcs114d01	79139	DERL1	0.506849	0.801684	10.2179	10.05	1.1234
7	hcs114d01	79139	DERL1	0.227335	1.72131	10.1162	9.98951	1.09179
1	hcs114d02	?	?	0.676576	0.48337	10.8146	10.909	0.93664
3	hcs114d02	?	?	0.90431	0.13595	10.9938	10.9766	1.01199
5	hcs114d02	?	?	0.938669	0.0868989	10.9447	10.9244	1.01417
7	hcs114d02	?	?	0.674222	0.487304	10.4706	10.3918	1.05611
1	hcs114d03	?	?	0.117932	2.6478	10.3818	10.5575	0.885315
3	hcs114d03	?	?	0.338708	-1.24673	10.7108	10.8812	-1.12534
5	hcs114d03	?	?	0.305666	1.36446	10.7794	10.5848	1.14438
7	hcs114d03	?	?	0.189125	1.95952	10.4697	10.1301	1.26545
1	hcs114d04	5631	PRPS1	0.622704	-0.57616	12.5572	12.4425	1.08272
3	hcs114d04	5631	PRPS1	0.699853	-0.444989	12.305	12.3508	-1.0323
5	hcs114d04	5631	PRPS1	0.828359	-0.246394	12.13	12.1566	-1.01861
7	hcs114d04	5631	PRPS1	0.606662	-0.605034	12.3014	12.4339	-1.09624
1	hcs114d06	54414	SIAE	0.598988	0.619074	13.6062	13.7041	0.934414
3	hcs114d06	54414	SIAE	0.797805	-0.291977	13.4222	13.4568	-1.02427
7	hcs114d06	54414	SIAE	0.771463	-0.331985	13.4121	13.5313	-1.08613
1	hcs114d07			0.779815	-0.319223	13.1775	13.0337	1.10484
3	hcs114d07			0.453824	0.922092	12.8857	12.6598	1.16956
5	hcs114d07			0.674635	0.486613	13.584	13.4097	1.12836
7	hcs114d07			0.411609	-1.0291	12.7295	12.9957	-1.20264
1	hcs114d08	1660	DHX9	0.23686	-1.67005	12.7786	12.4055	1.29516
3	hcs114d08	1660	DHX9	0.175916	2.05736	12.4877	12.3831	1.07517
5	hcs114d08	1660	DHX9	0.697448	0.448912	12.5029	12.4297	1.05205
7	hcs114d08	1660	DHX9	0.0588719	-3.93716	11.962	12.0866	-1.09023
1	hcs114d09	55209	SETD5	0.10952	2.76762	11.5234	11.7486	0.855496
3	hcs114d09	55209	SETD5	0.200782	-1.88051	11.5352	11.6596	-1.09003
5	hcs114d09	55209	SETD5	0.0906006	3.09211	11.7414	11.4165	1.25255
7	hcs114d09	55209	SETD5	0.0121059	9.00596	11.5974	11.2226	1.2966
1	hcs114d10	7372	UMPS	0.592861	-0.630396	10.1039	10.0784	1.01784
3	hcs114d10	7372	UMPS	0.382347	-1.11068	10.0269	10.2397	-1.15899
5	hcs114d10	7372	UMPS	0.237566	1.66636	10.1765	10.0764	1.07185
7	hcs114d10	7372	UMPS	0.104329	-2.84826	9.71006	9.82621	-1.08383
1	hcs114d11	344148	NCKAP5	0.807331	0.277678	10.1051	10.1281	0.984164
3	hcs114d11	344148	NCKAP5	0.207563	-1.83731	10.3217	10.5826	-1.19828
5	hcs114d11	344148	NCKAP5	0.0217025	6.67706	10.0247	9.94335	1.05798
7	hcs114d11	344148	NCKAP5	0.646647	-0.534177	9.82938	9.85462	-1.01765

1	hcs114d12	5605	MAP2K2	0.875649	0.177235	11.0228	11.0506	0.980915
3	hcs114d12	5605	MAP2K2	0.595007	-0.626419	10.7561	10.9011	-1.10571
5	hcs114d12	5605	MAP2K2	0.0553515	4.07193	11.1161	10.649	1.38236
7	hcs114d12	5605	MAP2K2	0.0762984	3.40973	10.8844	10.5223	1.2853
1	hcs114e02	?	?	0.199818	1.88681	10.075	10.4626	0.764388
3	hcs114e02	?	?	0.397354	1.068	10.3522	10.2202	1.0958
5	hcs114e02	?	?	0.0958211	-2.99354	10.3203	10.5652	-1.18501
7	hcs114e02	?	?	0.67329	0.488864	10.1813	10.1257	1.03926
1	hcs114e03	10484	SEC23A	0.393098	1.07991	10.6185	10.7321	0.924279
3	hcs114e03	10484	SEC23A	0.295737	-1.40291	10.7627	10.9992	-1.1781
5	hcs114e03	10484	SEC23A	0.480747	0.859251	10.7143	10.5836	1.09482
7	hcs114e03	10484	SEC23A	0.321682	1.30556	10.5613	10.4277	1.09705
1	hcs114e04	29924	EPN1	0.295253	1.40482	11.3511	11.6062	0.837948
3	hcs114e04	29924	EPN1	0.40642	1.04309	11.385	11.2191	1.12184
5	hcs114e04	29924	EPN1	0.0075113	11.4732	11.7529	11.5106	1.18285
7	hcs114e04	29924	EPN1	0.0029382	18.4077	11.3971	11.2329	1.12054
1	hcs114e05	26263	FBXO22	0.0316113	5.4902	11.6808	12.0446	0.777115
3	hcs114e05	26263	FBXO22	0.291988	1.41784	11.9552	11.763	1.14248
5	hcs114e05	26263	FBXO22	0.0211491	6.76673	12.2161	11.9654	1.18981
7	hcs114e05	26263	FBXO22	0.985044	0.0211529	11.8568	11.8518	1.00347
1	hcs114e06	55037	PTCD3	0.840849	0.227979	11.8761	11.9005	0.983229
3	hcs114e06	55037	PTCD3	0.340845	1.2396	11.8233	11.7034	1.08663
5	hcs114e06	55037	PTCD3	0.12628	2.5402	11.8943	11.4781	1.33444
7	hcs114e06	55037	PTCD3	0.0998813	2.92201	11.7968	11.5381	1.1964
1	hcs114e07	139322	APOOL	0.615555	-0.588949	10.781	10.6697	1.0802
3	hcs114e07	139322	APOOL	0.615169	0.589644	10.9127	10.8537	1.0417
5	hcs114e07	139322	APOOL	0.0254084	-6.15334	10.5698	10.7911	-1.16584
7	hcs114e07	139322	APOOL	0.2902	-1.42505	10.169	10.3241	-1.11352
1	hcs114e08	6574	SLC20A1	0.485796	0.847874	11.9377	12.1337	0.872967
3	hcs114e08	6574	SLC20A1	0.348266	1.21523	11.9375	11.7841	1.11224
5	hcs114e08	6574	SLC20A1	0.251033	1.59853	12.1507	11.965	1.13742
7	hcs114e08	6574	SLC20A1	0.112658	2.72144	11.7887	11.5697	1.16393
1	hcs114e09	23344	ESYT1	0.856079	0.205676	10.8618	10.8965	0.976258
3	hcs114e09	23344	ESYT1	0.591558	-0.632816	10.9834	11.0507	-1.04771
5	hcs114e09	23344	ESYT1	0.143308	2.34873	11.1814	10.7905	1.31127
7	hcs114e09	23344	ESYT1	0.336593	1.25384	10.8855	10.734	1.11075
1	hcs114e10	23082	PPRC1	0.323153	1.30033	10.4997	10.7056	0.867018
3	hcs114e10	23082	PPRC1	0.513349	0.787809	10.6406	10.4519	1.13973
5	hcs114e10	23082	PPRC1	0.0080483	11.0793	10.7485	10.4202	1.25553
7	hcs114e10	23082	PPRC1	0.0913933	3.07663	10.5726	10.2917	1.21495
1	hcs114e11	7378	UPP1	0.445811	0.941554	10.7937	10.9808	0.87837
3	hcs114e11	7378	UPP1	0.763266	0.344588	10.7351	10.6603	1.05319
5	hcs114e11	7378	UPP1	0.859583	-0.200566	10.7452	10.7714	-1.01835
7	hcs114e11	7378	UPP1	0.292558	-1.41555	10.729	10.8113	-1.0587
1	hcs114e12	23160	WDR43	0.0239106	6.35047	11.9283	12.5021	0.67186
3	hcs114e12	23160	WDR43	0.89207	-0.153532	11.9097	11.9268	-1.01195
5	hcs114e12	23160	WDR43	0.150495	2.27716	12.6561	12.4386	1.16272

7	hcs114e12	23160	WDR43	0.387691	-1.09526	11.8939	12.1887	-1.22677
1	hcs114f01	9881	TRANK1	0.721122	-0.410686	10.0428	9.97403	1.04882
3	hcs114f01	9881	TRANK1	0.513935	-0.786568	10.0911	10.2215	-1.09463
5	hcs114f01	9881	TRANK1	0.0903751	3.09656	10.2721	9.94845	1.25153
1	hcs114f02	29079	MED4	0.390559	-1.08709	10.5579	10.4229	1.09808
3	hcs114f02	29079	MED4	0.9954	0.0065052	11.1093	11.1084	1.00066
5	hcs114f02	29079	MED4	0.339209	-1.24505	10.3123	10.5938	-1.2154
7	hcs114f02	29079	MED4	0.0384518	-4.9514	10.0879	10.3	-1.15837
1	hcs114f03	23603	CORO1C	0.0018755	23.0583	12.1705	12.6822	0.701395
3	hcs114f03	23603	CORO1C	0.71863	-0.414671	12.458	12.5049	-1.03307
5	hcs114f03	23603	CORO1C	0.160094	2.18857	12.857	12.6486	1.15538
7	hcs114f03	23603	CORO1C	0.540252	-0.732145	12.2666	12.4297	-1.11966
1	hcs114f04	9697	TRAM2	0.124606	2.56096	10.1148	10.6505	0.689808
3	hcs114f04	9697	TRAM2	0.371118	-1.14389	10.598	10.8573	-1.19693
5	hcs114f04	9697	TRAM2	0.349899	1.20996	10.7038	10.2759	1.34527
7	hcs114f04	9697	TRAM2	0.580592	-0.653374	10.2398	10.3548	-1.083
1	hcs114f05	388566	ZNF470	0.514686	0.784978	11.0846	11.1642	0.946298
3	hcs114f05	388566	ZNF470	0.947906	0.0737718	11.6063	11.593	1.00924
5	hcs114f05	388566	ZNF470	0.569548	-0.674432	11.2658	11.3948	-1.09351
7	hcs114f05	388566	ZNF470	0.104053	-2.85271	10.6639	10.8132	-1.10901
3	hcs114f06	284454	LOC284454	0.257854	-1.56594	9.56553	9.89741	-1.25865
5	hcs114f06	284454	LOC284454	0.553807	0.705091	9.54758	9.39624	1.1106
1	hcs114f07	1460	CSNK2B	0.0349448	-5.20821	11.4191	11.2361	1.13527
3	hcs114f07	1460	CSNK2B	0.0293585	5.70694	11.5807	11.3986	1.13448
5	hcs114f07	1460	CSNK2B	0.696287	-0.45081	11.4446	11.4795	-1.02446
7	hcs114f07	1460	CSNK2B	0.187416	-1.97165	10.8023	10.9429	-1.10241
5	hcs114f08	80179	MYO19	0.915288	-0.120233	9.58905	9.61884	-1.02086
1	hcs114f09	55246	CCDC25	0.263442	1.54005	11.0616	11.2872	0.855219
3	hcs114f09	55246	CCDC25	0.46372	-0.898553	11.2994	11.4413	-1.10338
5	hcs114f09	55246	CCDC25	0.58672	-0.641844	11.1524	11.2191	-1.04734
7	hcs114f09	55246	CCDC25	0.214942	1.79238	10.9319	10.8256	1.07651
1	hcs114f10	1798	DPAGT1	0.0253939	6.15516	10.5748	10.8663	0.817052
3	hcs114f10	1798	DPAGT1	0.117393	-2.6551	10.682	10.9586	-1.21136
5	hcs114f10	1798	DPAGT1	0.593495	-0.629218	10.7107	10.844	-1.09677
7	hcs114f10	1798	DPAGT1	0.899652	0.142633	10.6158	10.5935	1.01562
1	hcs114f11			0.656835	-0.516684	12.5743	12.536	1.02688
3	hcs114f11			0.890468	-0.155839	12.1884	12.1978	-1.00656
5	hcs114f11			0.308348	-1.35433	12.4318	12.4592	-1.01922
7	hcs114f11			0.707913	-0.431907	12.1586	12.2171	-1.04141
1	hcs114f12	5351	PLOD1	0.823394	0.253746	9.83408	9.86241	0.980552
3	hcs114f12	5351	PLOD1	0.350046	-1.20948	9.82748	10.0656	-1.17944
5	hcs114f12	5351	PLOD1	0.796502	0.29394	9.82078	9.78424	1.02565
7	hcs114f12	5351	PLOD1	0.498908	0.818877	9.53627	9.48681	1.03488
1	hcs114g02	?	?	0.144169	2.33991	11.3376	11.8175	0.717027
3	hcs114g02	?	?	0.638916	0.547594	11.6795	11.5569	1.0887
5	hcs114g02	?	?	0.195018	1.91879	11.9341	11.7034	1.17346
7	hcs114g02	?	?	0.648369	-0.531205	11.2468	11.3734	-1.09177

1	hcs114g03	30846	EHD2	0.360716	1.17571	10.47	10.626	0.897531
3	hcs114g03	30846	EHD2	0.451148	-0.928551	10.3964	10.5588	-1.11916
5	hcs114g03	30846	EHD2	0.0639135	3.76333	10.7478	10.2515	1.41062
7	hcs114g03	30846	EHD2	0.0562226	4.03744	10.4091	9.95861	1.36648
1	hcs114g04	10845	CLPX	0.267524	1.52157	10.8808	11.179	0.813267
3	hcs114g04	10845	CLPX	0.419703	1.00769	11.1498	10.9945	1.11363
5	hcs114g04	10845	CLPX	0.0581936	3.9622	11.379	11.1132	1.20233
7	hcs114g04	10845	CLPX	0.34063	1.24031	10.8805	10.811	1.04938
1	hcs114g05	84153	RNASEH2C	0.428467	0.984998	10.377	10.5774	0.870309
3	hcs114g05	84153	RNASEH2C	0.932581	-0.0955626	10.5062	10.5309	-1.01729
5	hcs114g05	84153	RNASEH2C	0.0961708	2.98721	10.7964	10.4331	1.28634
7	hcs114g05	84153	RNASEH2C	0.0658914	3.70048	10.427	10.2469	1.13294
1	hcs114g06	1973	EIF4A1	0.837666	0.232661	11.0122	11.0664	0.963129
3	hcs114g06	1973	EIF4A1	0.845514	0.22113	11.1102	11.0895	1.0144
5	hcs114g06	1973	EIF4A1	0.34679	1.22003	11.2002	11.1481	1.03677
7	hcs114g06	1973	EIF4A1	0.0203489	6.90274	10.7749	10.6431	1.09563
1	hcs114g07	285958	C7orf40	0.321591	1.30589	10.625	10.7679	0.905717
3	hcs114g07	285958	C7orf40	0.97825	-0.030766	10.7752	10.7812	-1.00414
5	hcs114g07	285958	C7orf40	0.168205	2.11921	10.9563	10.8039	1.11137
7	hcs114g07	285958	C7orf40	0.349925	1.20987	10.4946	10.2699	1.16851
1	hcs114g08	10036	CHAF1A	0.934653	-0.0926122	10.6084	10.6005	1.00547
3	hcs114g08	10036	CHAF1A	0.992532	-0.010562	10.5662	10.5687	-1.00173
5	hcs114g08	10036	CHAF1A	0.442352	0.950071	10.4857	10.3847	1.07256
7	hcs114g08	10036	CHAF1A	0.407092	1.04126	10.32	10.2394	1.05742
1	hcs114g09	83786	FRMD8	0.158391	2.20375	10.4678	10.749	0.822906
3	hcs114g09	83786	FRMD8	0.720239	0.412098	10.7184	10.6752	1.03042
5	hcs114g09	83786	FRMD8	0.0297135	5.67118	10.893	10.6798	1.15928
7	hcs114g09	83786	FRMD8	0.1359	2.42792	10.5601	10.3902	1.12495
1	hcs114g10	85378	TUBGCP6	0.351721	1.2041	10.3242	10.5623	0.847861
3	hcs114g10	85378	TUBGCP6	0.250823	-1.59955	10.2675	10.5454	-1.21246
5	hcs114g10	85378	TUBGCP6	0.627227	0.568129	10.3654	10.3167	1.03438
7	hcs114g10	85378	TUBGCP6	0.382458	1.11036	10.302	10.2006	1.07279
1	hcs114g11	55133	SRBD1	0.27993	1.46755	11.0686	11.403	0.793114
3	hcs114g11	55133	SRBD1	0.774625	0.327145	11.1755	11.1107	1.04594
5	hcs114g11	55133	SRBD1	0.142	2.3623	11.4022	11.1081	1.22618
7	hcs114g11	55133	SRBD1	0.0150073	8.07082	11.285	10.9458	1.26508
1	hcs114g12	29071	C1GALT1C10	0.305162	1.36637	9.91286	10.1486	0.849232
3	hcs114g12	29071	C1GALT1C10	0.446591	-0.939644	10.1215	10.2995	-1.13136
5	hcs114g12	29071	C1GALT1C10	0.613806	0.592097	10.0958	9.96779	1.09282
7	hcs114g12	29071	C1GALT1C10	0.0890818	3.12233	10	9.83362	1.12226
1	hcs114h01	22880	MORC2	0.69767	0.448549	11.2584	11.3362	0.94748
3	hcs114h01	22880	MORC2	0.541028	-0.73058	11.2975	11.3561	-1.04148
5	hcs114h01	22880	MORC2	0.518344	-0.777266	11.3816	11.4882	-1.07669
7	hcs114h01	22880	MORC2	0.769839	-0.334477	11.0105	11.0717	-1.04331
1	hcs114h02	?	?	0.669181	0.495763	11.1639	11.2391	0.949232
3	hcs114h02	?	?	0.916149	0.119002	11.252	11.2395	1.00868
5	hcs114h02	?	?	0.0829592	3.25204	11.3123	10.8473	1.38025

7	hcs114h02	?	?	0.108221	2.78729	11.0322	10.75	1.21602
1	hcs114h03	5411	PNN	0.114944	2.68894	10.428	10.6616	0.85051
3	hcs114h03	5411	PNN	0.507917	-0.799393	10.8825	11.0131	-1.0947
5	hcs114h03	5411	PNN	0.274099	1.49256	10.6825	10.3778	1.23513
7	hcs114h03	5411	PNN	0.811578	0.271328	10.2566	10.2208	1.02515
1	hcs114h04	1874	E2F4	0.11411	2.70069	11.7941	12.0571	0.833372
3	hcs114h04	1874	E2F4	0.540822	-0.730995	11.959	12.067	-1.07773
5	hcs114h04	1874	E2F4	0.0156473	7.90017	12.5703	12.2346	1.26196
7	hcs114h04	1874	E2F4	0.480626	-0.859527	12.0217	12.2277	-1.15349
1	hcs114h05	64115	C10orf54	0.0297011	5.67242	11.6079	11.8045	0.872585
3	hcs114h05	64115	C10orf54	0.330217	1.27561	11.9311	11.8456	1.06108
5	hcs114h05	64115	C10orf54	0.022557	6.54505	11.8746	11.5119	1.28577
7	hcs114h05	64115	C10orf54	0.0007068	37.5926	11.6273	11.2442	1.30417
1	hcs114h06	?	?	0.96126	0.0548279	10.9801	10.9963	0.988834
3	hcs114h06	?	?	0.248735	1.60977	11.4357	11.0808	1.27893
5	hcs114h06	?	?	0.711522	-0.426085	10.9716	11.0669	-1.06826
7	hcs114h06	?	?	0.117977	-2.64718	10.7454	10.7933	-1.03374
1	hcs114h07	?	?	0.355515	1.19202	12.1341	12.2283	0.936792
3	hcs114h07	?	?	0.105599	2.82802	12.1716	12.0481	1.08935
5	hcs114h07	?	?	0.0781485	3.364	12.2235	12.1377	1.06128
7	hcs114h07	?	?	0.650594	-0.527375	11.6081	11.7554	-1.10744
1	hcs114h08	7371	UCK2	0.0658739	-3.70102	12.611	12.2958	1.24421
5	hcs114h08	7371	UCK2	0.238447	1.66177	12.6017	12.3512	1.18962
7	hcs114h08	7371	UCK2	0.668091	0.497599	12.1139	12.0794	1.0242
1	hcs114h09	154007	SNRNP48	0.750347	-0.364608	12.2864	12.259	1.01915
3	hcs114h09	154007	SNRNP48	0.50809	-0.799022	12.1687	12.2875	-1.08581
5	hcs114h09	154007	SNRNP48	0.844202	0.223055	12.4457	12.4028	1.03013
7	hcs114h09	154007	SNRNP48	0.0248074	-6.23031	11.8877	12.1534	-1.20219
1	hcs114h10	55252	ASXL2	0.581114	-0.652388	12.2242	12.2149	1.00649
3	hcs114h10	55252	ASXL2	0.899107	-0.143416	12.0774	12.0978	-1.01429
5	hcs114h10	55252	ASXL2	0.602976	0.611759	12.1149	12.0734	1.02923
7	hcs114h10	55252	ASXL2	0.557816	-0.697208	11.8114	11.8768	-1.0464
1	hcs114h11	6744	SSFA2	0.165013	-2.14595	11.9434	11.6274	1.2449
3	hcs114h11	6744	SSFA2	0.0780515	3.36636	11.8806	11.6574	1.16727
5	hcs114h11	6744	SSFA2	0.219297	1.76681	11.8304	11.5166	1.24295
7	hcs114h11	6744	SSFA2	0.220112	1.76209	11.4905	11.3744	1.08378
1	hcs114h12	24140	FTSJ1	0.321722	1.30542	10.9159	10.9833	0.954334
3	hcs114h12	24140	FTSJ1	0.039207	-4.90057	10.9105	11.0765	-1.122
5	hcs114h12	24140	FTSJ1	0.271782	-1.50268	10.7952	10.8797	-1.06034
7	hcs114h12	24140	FTSJ1	0.122241	-2.59097	10.3624	10.5022	-1.10175
1	hcs115a02	6231	RPS26	0.928042	0.102028	11.8607	11.8709	0.992955
3	hcs115a02	6231	RPS26	0.603591	-0.610634	11.9523	11.9895	-1.0261
5	hcs115a02	6231	RPS26	0.607599	-0.603329	11.8613	11.9371	-1.0539
7	hcs115a02	6231	RPS26	0.248971	-1.60861	11.6769	11.8692	-1.14253
3	hcs115a03	55230	USP40	0.370825	1.14477	11.0568	10.9716	1.06081
5	hcs115a03	55230	USP40	0.295869	1.40239	11.0792	10.9182	1.11804
7	hcs115a03	55230	USP40	0.0678606	3.64056	10.8187	10.7065	1.08085

1	hcs115a04	8886	DDX18	0.615122	0.589727	10.818	10.8538	0.975513
3	hcs115a04	8886	DDX18	0.365817	-1.15997	11.0028	11.07	-1.04763
5	hcs115a04	8886	DDX18	0.0367297	5.073	11.359	10.9591	1.31939
7	hcs115a04	8886	DDX18	0.08647	3.17605	11.1161	10.7227	1.31349
1	hcs115a05	286262	TPRN	0.562913	-0.68726	11.1837	11.1155	1.04838
3	hcs115a05	286262	TPRN	0.400513	1.05925	11.3937	11.3117	1.05851
5	hcs115a05	286262	TPRN	0.00374231	16.3007	11.5769	11.2225	1.27845
7	hcs115a05	286262	TPRN	0.0174124	7.47896	11.1144	10.8486	1.20233
1	hcs115a06	22993	HMGXB3	0.578695	0.656966	11.3675	11.5148	0.902939
3	hcs115a06	22993	HMGXB3	0.997697	0.00325751	11.451	11.4504	1.00042
5	hcs115a06	22993	HMGXB3	0.148205	2.29944	11.6691	11.0049	1.58465
7	hcs115a06	22993	HMGXB3	0.0132207	8.61059	11.3977	10.9744	1.34099
1	hcs115a07	23218	NBEAL2	0.0184428	7.26129	9.652	10.0669	0.750066
3	hcs115a07	23218	NBEAL2	0.199583	-1.88835	10.164	10.4461	-1.21599
5	hcs115a07	23218	NBEAL2	0.0979112	2.95619	10.0663	9.61408	1.36814
7	hcs115a07	23218	NBEAL2	0.152062	2.26217	10.0036	9.70887	1.22667
1	hcs115a08	4074	M6PR	0.379814	1.11807	12.3184	12.3994	0.94538
3	hcs115a08	4074	M6PR	0.670462	0.493609	12.0812	11.9857	1.06844
5	hcs115a08	4074	M6PR	0.126135	2.54198	12.4826	11.9663	1.43022
7	hcs115a08	4074	M6PR	0.00725541	11.676	12.3258	11.7352	1.50591
1	hcs115a09	9618	TRAF4	0.540135	-0.732383	9.72834	9.59255	1.09869
5	hcs115a09	9618	TRAF4	0.969405	0.0432875	9.44952	9.44369	1.00405
1	hcs115a10	6745	SSR1	0.130248	2.49249	10.8555	11.0781	0.857019
3	hcs115a10	6745	SSR1	0.0582136	-3.96145	10.8313	10.9571	-1.09116
5	hcs115a10	6745	SSR1	0.632968	0.558006	11.0306	10.9546	1.05407
7	hcs115a10	6745	SSR1	0.979907	-0.028421	10.6692	10.6763	-1.00496
1	hcs115b01	26271	FBXO5	0.833242	0.23918	10.475	10.5289	0.96334
3	hcs115b01	26271	FBXO5	0.484374	-0.851065	10.47	10.7108	-1.18159
5	hcs115b01	26271	FBXO5	0.0625926	-3.8069	10.5868	10.7066	-1.08653
7	hcs115b01	26271	FBXO5	0.939654	0.0854973	10.3711	10.3603	1.00751
1	hcs115b02	64398	MPP5	0.155773	2.22751	12.725	12.948	0.856802
3	hcs115b02	64398	MPP5	0.78659	0.308924	12.6813	12.6292	1.03675
5	hcs115b02	64398	MPP5	0.433222	0.972901	13.0318	12.8804	1.11062
7	hcs115b02	64398	MPP5	0.364974	1.16255	12.9933	12.7658	1.17078
1	hcs115b03	9274	BCL7C	0.496104	0.825012	10.5923	10.6897	0.934694
3	hcs115b03	9274	BCL7C	0.559779	-0.693367	10.6487	10.8225	-1.12797
5	hcs115b03	9274	BCL7C	0.540159	0.732334	10.7246	10.6643	1.04266
7	hcs115b03	9274	BCL7C	0.779517	0.319677	10.4977	10.4636	1.02394
1	hcs115b04	80351	TNKS2	0.385725	1.10091	11.5994	11.8543	0.838026
3	hcs115b04	80351	TNKS2	0.553296	-0.7061	11.6711	11.7216	-1.03562
5	hcs115b04	80351	TNKS2	0.217205	1.779	11.8771	11.6121	1.20164
7	hcs115b04	80351	TNKS2	0.0750453	3.44162	11.7459	11.3141	1.34892
1	hcs115b05	55357	TBC1D2	0.71233	0.424782	12.2092	12.2513	0.97124
3	hcs115b05	55357	TBC1D2	0.288221	-1.43309	12.2534	12.3486	-1.06824
5	hcs115b05	55357	TBC1D2	0.563763	-0.685609	12.1644	12.2153	-1.03589
7	hcs115b05	55357	TBC1D2	0.127035	-2.53096	11.9119	12.1883	-1.21117
1	hcs115b06	29093	MRPL22	0.356043	1.19035	11.0085	11.1219	0.924407

3	hcs115b06	29093	MRPL22	0.722169	0.409015	11.3034	11.249	1.0384
5	hcs115b06	29093	MRPL22	0.823164	0.254089	11.0962	11.0693	1.01882
7	hcs115b06	29093	MRPL22	0.368663	1.1513	10.8354	10.7369	1.07066
5	hcs115b07	9358	ITGBL1	0.118042	-2.6463	9.59618	9.75327	-1.11504
7	hcs115b07	9358	ITGBL1	0.0210187	6.78837	9.975	9.64894	1.25358
1	hcs115b08	7763	ZFAND5	0.256427	1.57267	10.7681	10.9132	0.904316
3	hcs115b08	7763	ZFAND5	0.869975	-0.185457	10.844	10.8892	-1.0318
5	hcs115b08	7763	ZFAND5	0.555411	-0.701931	10.7846	10.8522	-1.04797
7	hcs115b08	7763	ZFAND5	0.263537	1.53962	10.6087	10.5613	1.03337
1	hcs115b10	9815	GIT2	0.0142894	-8.2756	10.323	10.2573	1.04657
3	hcs115b10	9815	GIT2	0.512067	-0.790533	10.4251	10.5655	-1.10219
5	hcs115b10	9815	GIT2	0.346045	-1.22246	10.2656	10.3839	-1.08546
7	hcs115b10	9815	GIT2	0.814054	0.267635	9.78991	9.77529	1.01019
1	hcs115b11	54602	NDFIP2	0.242523	1.64083	9.53223	9.63246	0.932882
3	hcs115b11	54602	NDFIP2	0.510738	0.793363	9.48636	9.16322	1.25105
5	hcs115b11	54602	NDFIP2	0.232842	1.69134	9.68391	9.30052	1.3044
1	hcs115b12	23099	ZBTB43	0.550256	0.712118	9.60629	9.87976	0.827325
3	hcs115b12	23099	ZBTB43	0.68127	-0.475555	9.71751	9.80297	-1.06103
5	hcs115b12	23099	ZBTB43	0.371729	1.14205	9.88254	9.7036	1.13205
7	hcs115b12	23099	ZBTB43	0.82686	-0.248612	9.48797	9.50337	-1.01073
1	hcs115c01	6645	SNTB2	0.578874	0.656626	10.9157	11.0868	0.888186
3	hcs115c01	6645	SNTB2	0.0421101	4.71784	11.2071	11.0146	1.14272
5	hcs115c01	6645	SNTB2	0.172686	2.08281	11.3125	10.7232	1.50452
7	hcs115c01	6645	SNTB2	0.0946068	3.01577	11.1953	10.4994	1.61982
1	hcs115c02	25962	KIAA1429	0.471398	0.880649	12.3862	12.5342	0.90248
3	hcs115c02	25962	KIAA1429	0.890648	0.15558	12.6626	12.6313	1.02196
5	hcs115c02	25962	KIAA1429	0.868365	-0.187794	12.5714	12.5946	-1.01619
7	hcs115c02	25962	KIAA1429	0.524156	0.765119	12.5162	12.4097	1.07659
1	hcs115c04	48	ACO1	0.397855	-1.0666	11.2742	11.1934	1.05763
3	hcs115c04	48	ACO1	0.0221259	6.61072	11.4772	11.3881	1.06366
5	hcs115c04	48	ACO1	0.0499694	4.30407	11.6841	11.3061	1.29951
7	hcs115c04	48	ACO1	0.0589574	3.93403	11.3189	11.0681	1.18984
1	hcs115c06	55745	MUDENG	0.71721	0.416945	11.3133	11.4155	0.931611
3	hcs115c06	55745	MUDENG	0.250891	-1.59922	11.3025	11.376	-1.05227
5	hcs115c06	55745	MUDENG	0.371801	1.14183	11.4562	11.2615	1.14446
7	hcs115c06	55745	MUDENG	0.724335	-0.405564	11.0506	11.1751	-1.09013
1	hcs115c07	995	CDC25C	0.993825	0.0087322	10.5415	10.5425	0.999277
3	hcs115c07	995	CDC25C	0.695459	0.452165	11.0393	10.9272	1.08079
5	hcs115c07	995	CDC25C	0.649955	-0.528473	10.5242	10.5777	-1.03779
7	hcs115c07	995	CDC25C	0.0614894	-3.84432	9.95314	10.294	-1.2665
1	hcs115c08	84617	TUBB6	0.347479	1.21779	10.4452	10.6825	0.848312
3	hcs115c08	84617	TUBB6	0.859536	-0.200635	10.6548	10.6889	-1.02389
5	hcs115c08	84617	TUBB6	0.219147	1.76768	10.848	10.547	1.232
7	hcs115c08	84617	TUBB6	0.153334	-2.25016	10.2902	10.3761	-1.06133
7	hcs115c09	1915	EEF1A1	0.679333	-0.478775	13.8367	14.062	-1.16897
1	hcs115c10	51260	CXorf26	0.746898	-0.369987	9.96636	9.87061	1.06862
5	hcs115c10	51260	CXorf26	0.177144	2.04786	9.95432	9.84641	1.07766

7	hcs115c10	51260	CXorf26	0.745592	0.372027	9.79978	9.76411	1.02503
1	hcs115c11	65059	RAPH1	0.28627	-1.44109	11.6097	11.4044	1.1529
5	hcs115c11	65059	RAPH1	0.0682963	3.62764	11.3296	11.1217	1.15501
7	hcs115c11	65059	RAPH1	0.467918	-0.888726	10.8512	10.9413	-1.06444
1	hcs115c12	6505	SLC1A1	0.51683	0.780451	9.88273	9.93599	0.963754
3	hcs115c12	6505	SLC1A1	0.183022	-2.00354	9.93454	10.273	-1.26441
5	hcs115c12	6505	SLC1A1	0.171552	2.0919	10.0742	9.81622	1.19578
7	hcs115c12	6505	SLC1A1	0.0524803	4.19145	10.0474	9.48543	1.47627
1	hcs115d01	54751	FBLIM1	0.670751	-0.493123	9.86966	9.80307	1.04724
3	hcs115d01	54751	FBLIM1	0.577825	-0.658616	9.93151	10.2204	-1.22167
5	hcs115d01	54751	FBLIM1	0.0533071	4.15607	9.71374	9.58685	1.09194
7	hcs115d01	54751	FBLIM1	0.0022993	20.8185	9.82729	9.56034	1.20326
1	hcs115d02	7741	ZNF187	0.979411	-0.0291234	10.266	10.2644	1.00111
3	hcs115d02	7741	ZNF187	0.817334	-0.26275	10.3774	10.4373	-1.04242
5	hcs115d02	7741	ZNF187	0.47155	0.880297	10.4344	10.3282	1.0764
7	hcs115d02	7741	ZNF187	0.446688	0.939405	10.1811	10.1215	1.04218
3	hcs115d03	246330	PELI3	0.438431	-0.959815	9.88038	10.1385	-1.19594
5	hcs115d03	246330	PELI3	0.168006	2.12086	10.3691	9.89535	1.38871
7	hcs115d03	246330	PELI3	0.137761	2.40748	9.7794	9.53081	1.18805
1	hcs115d04	30001	ERO1L	0.141172	2.37097	11.252	11.6535	0.757071
3	hcs115d04	30001	ERO1L	0.0099200	-9.96538	11.0324	11.2338	-1.14979
5	hcs115d04	30001	ERO1L	0.398555	1.06466	11.817	11.7532	1.04522
7	hcs115d04	30001	ERO1L	0.274662	-1.49011	11.2852	11.7792	-1.40834
1	hcs115d05	8614	STC2	0.0622684	3.8178	10.4331	10.5926	0.895335
3	hcs115d05	8614	STC2	0.882813	-0.166877	10.8156	10.847	-1.02198
5	hcs115d05	8614	STC2	0.216046	1.78583	10.5177	10.3686	1.1089
7	hcs115d05	8614	STC2	0.314056	-1.33315	10.1628	10.1949	-1.02248
1	hcs115d06	4254	KITLG	0.429678	0.981904	11.7538	11.9457	0.875472
3	hcs115d06	4254	KITLG	0.549071	-0.714474	11.8364	11.943	-1.07671
5	hcs115d06	4254	KITLG	0.947744	-0.0740025	11.8421	11.8472	-1.00359
7	hcs115d06	4254	KITLG	0.807234	-0.277822	11.4153	11.5038	-1.06324
5	hcs115d07	8834	TMEM11	0.27047	-1.50846	9.49539	9.59706	-1.07301
5	hcs115d08	8531	CSDA	0.527459	-0.758275	9.03189	9.1214	-1.06401
1	hcs115d09	57050	UTP3	0.568665	0.676131	10.5655	10.6345	0.953299
3	hcs115d09	57050	UTP3	0.897777	-0.145327	10.5551	10.5889	-1.02371
5	hcs115d09	57050	UTP3	0.159494	2.19389	10.7076	10.4889	1.16363
7	hcs115d09	57050	UTP3	0.19449	1.92237	10.5363	10.2791	1.19514
1	hcs115d10	55212	BBS7	0.357035	1.18722	9.86938	9.94433	0.949377
3	hcs115d10	55212	BBS7	0.433957	-0.971044	9.72142	10.0584	-1.26308
5	hcs115d10	55212	BBS7	0.587094	0.641145	9.98108	9.87677	1.07498
7	hcs115d10	55212	BBS7	0.0453706	4.53347	9.73117	9.60416	1.09203
3	hcs115d11	80321	CEP70	0.804004	-0.282662	12.2072	12.2267	-1.01365
5	hcs115d11	80321	CEP70	0.824073	0.252741	12.5056	12.4408	1.04594
7	hcs115d11	80321	CEP70	0.72205	-0.409205	12.2242	12.3705	-1.10673
1	hcs115d12	375033	PEAR1	0.483566	-0.852884	9.97923	9.92238	1.04019
3	hcs115d12	375033	PEAR1	0.666264	-0.50068	9.90646	10.0076	-1.07263
5	hcs115d12	375033	PEAR1	0.953882	-0.06529	9.83226	9.84477	-1.00871



7	hcs115d12	375033	PEAR1	0.977413	-0.031951	29.88166	9.88612	-1.0031
1	hcs115e01	147686	ZNF418	0.236027	1.67443	9.74225	9.8992	0.896917
3	hcs115e01	147686	ZNF418	0.353397	-1.19874	10.1102	10.3071	-1.14629
5	hcs115e01	147686	ZNF418	0.0086339	10.6922	10.1307	9.90522	1.16914
7	hcs115e01	147686	ZNF418	0.0443776	4.58751	10.0204	9.55166	1.3839
3	hcs115e02	?	?	0.632124	-0.55949	10.5067	10.5674	-1.04296
5	hcs115e02	?	?	0.88878	0.15827	9.76276	9.73906	1.01656
7	hcs115e02	?	?	0.259545	1.55803	9.94118	9.58154	1.28311
5	hcs115e03	?	?	0.459346	0.908891	9.50259	9.392	1.07967
1	hcs115e04	30832	ZNF354C	0.153168	-2.25172	10.4242	10.4028	1.01497
3	hcs115e04	30832	ZNF354C	0.901234	-0.140362	10.5494	10.5826	-1.02326
5	hcs115e04	30832	ZNF354C	0.225326	1.73248	10.7733	10.6413	1.09579
7	hcs115e04	30832	ZNF354C	0.258946	1.56082	10.5485	10.3263	1.16651
1	hcs115e05	669	BPGM	0.239324	1.65723	11.5386	11.7501	0.863619
3	hcs115e05	669	BPGM	0.436894	0.963659	11.7746	11.7154	1.04191
5	hcs115e05	669	BPGM	0.616213	0.587768	11.9787	11.895	1.05971
7	hcs115e05	669	BPGM	0.316407	-1.32456	11.1354	11.5312	-1.31564
1	hcs115e06	?	?	0.76687	-0.339038	10.634	10.5651	1.04889
3	hcs115e06	?	?	0.718256	-0.415269	10.8332	10.9137	-1.05738
5	hcs115e06	?	?	0.888954	-0.15802	10.768	10.8024	-1.02408
7	hcs115e06	?	?	0.194917	-1.91947	10.146	10.3847	-1.17998
1	hcs115e07	55835	CENPJ	0.472818	0.877371	9.72755	9.8907	0.893071
3	hcs115e07	55835	CENPJ	0.18821	-1.966	10.065	10.3071	-1.18272
5	hcs115e07	55835	CENPJ	0.740253	0.380394	10.1382	10.0837	1.03843
7	hcs115e07	55835	CENPJ	0.0028716	-18.6209	9.57594	9.92225	-1.2713
1	hcs115e08	7008	TEF	0.817003	-0.263241	10.0597	10.0228	1.02593
5	hcs115e08	7008	TEF	0.10305	2.869	10.6318	10.3215	1.23991
7	hcs115e08	7008	TEF	0.190031	1.95315	10.1049	9.97892	1.09125
1	hcs115e09	84311	MRPL45	0.799415	0.289554	11.3059	11.3469	0.972003
3	hcs115e09	84311	MRPL45	0.127487	2.52547	11.6891	11.4962	1.14303
5	hcs115e09	84311	MRPL45	0.904189	0.136124	11.6027	11.585	1.01234
7	hcs115e09	84311	MRPL45	0.457089	-0.914265	11.0445	11.2831	-1.17982
3	hcs115e10	?	?	0.678684	0.479856	9.99159	9.92716	1.04567
5	hcs115e10	?	?	0.452188	0.926036	9.43911	9.22908	1.15671
7	hcs115e10	?	?	0.187592	-1.9704	9.3078	9.52223	-1.16025
3	hcs115f01	51283	BFAR	0.185082	-1.98847	9.04266	9.42218	-1.30091
1	hcs115f03	84897	TBRG1	0.584522	0.645968	10.4575	10.5493	0.938373
3	hcs115f03	84897	TBRG1	0.816785	-0.263567	10.6177	10.6937	-1.05409
5	hcs115f03	84897	TBRG1	0.0020965	21.8053	10.7897	10.588	1.15005
7	hcs115f03	84897	TBRG1	0.184302	1.99415	10.4732	10.3068	1.12225
1	hcs115f04	4801	NFYB	0.267044	1.52373	9.90398	10.0806	0.884798
3	hcs115f04	4801	NFYB	0.867842	-0.188554	10.1411	10.1726	-1.02212
5	hcs115f04	4801	NFYB	0.120453	2.6142	10.2563	10.0235	1.17513
7	hcs115f04	4801	NFYB	0.0835277	3.23942	10.1205	9.97411	1.10682
1	hcs115f05			0.163924	2.15523	11.8092	11.9316	0.918658
3	hcs115f05			0.375196	1.13169	12.135	12.0338	1.07269
5	hcs115f05			0.737297	0.385042	12.092	12.0708	1.01483

7	hcs115f05			0.376956	-1.12648	11.7327	11.9915	-1.19643
1	hcs115f06			0.281005	-1.46301	9.78546	9.542	1.18383
5	hcs115f06			0.197843	1.89984	9.99339	9.59934	1.31407
7	hcs115f06			0.0524514	4.1927	9.7718	9.4021	1.29209
1	hcs115f07	25937	WWTR1	0.109949	2.7612	10.2791	10.9518	0.627346
3	hcs115f07	25937	WWTR1	0.396472	-1.07045	10.7499	11.058	-1.23802
5	hcs115f07	25937	WWTR1	0.820156	-0.258553	10.9057	10.9997	-1.06735
7	hcs115f07	25937	WWTR1	0.962333	0.0533065	10.7362	10.724	1.00852
1	hcs115f08	22801	ITGA11	0.89431	-0.15031	10.3977	10.3841	1.00949
3	hcs115f08	22801	ITGA11	0.758869	0.351379	10.5688	10.4504	1.08553
5	hcs115f08	22801	ITGA11	0.110098	2.75898	10.7558	10.3104	1.36172
7	hcs115f08	22801	ITGA11	0.413711	1.0235	10.2796	10.114	1.12163
3	hcs115f09	?	?	0.581555	0.651555	13.0922	12.9749	1.0847
5	hcs115f09	?	?	0.501972	0.812211	13.4052	13.1595	1.18567
7	hcs115f09	?	?	0.599185	-0.618711	12.9767	13.0831	-1.07651
1	hcs115f10	23764	MAFF	0.305663	1.36447	10.17	10.5001	0.795498
3	hcs115f10	23764	MAFF	0.596757	-0.623185	10.1014	10.2969	-1.14508
5	hcs115f10	23764	MAFF	0.229836	1.70759	10.4827	10.2327	1.18917
7	hcs115f10	23764	MAFF	0.0569948	4.00751	10.3612	10.1031	1.19589
1	hcs115f11	10807	SDCCAG3	0.854833	0.207496	9.70742	9.73021	0.984325
3	hcs115f11	10807	SDCCAG3	0.273432	1.49546	10.0572	9.96315	1.06734
5	hcs115f11	10807	SDCCAG3	0.331523	1.27111	9.93227	9.76403	1.12369
7	hcs115f11	10807	SDCCAG3	0.272293	1.50044	9.67278	9.47439	1.14742
1	hcs115f12	5469	MED1	0.163206	2.1614	9.84499	10.1077	0.833509
3	hcs115f12	5469	MED1	0.656997	-0.516408	9.7536	9.88231	-1.09332
5	hcs115f12	5469	MED1	0.669132	0.495845	9.86412	9.76826	1.0687
7	hcs115f12	5469	MED1	0.080773	3.30173	9.72607	9.64508	1.05774
1	hcs115g01	5203	PFDN4	0.939151	0.0862133	10.6143	10.6264	0.99162
3	hcs115g01	5203	PFDN4	0.698403	-0.447354	11.1699	11.2515	-1.05819
5	hcs115g01	5203	PFDN4	0.191948	-1.9398	10.7438	11.0002	-1.19447
7	hcs115g01	5203	PFDN4	0.0798635	-3.32298	10.041	10.4435	-1.32179
1	hcs115g02	?	?	0.389948	1.08883	10.6317	10.9006	0.829971
3	hcs115g02	?	?	0.88322	-0.16629	10.9517	10.9783	-1.01866
5	hcs115g02	?	?	0.688061	0.464316	10.8738	10.7941	1.0568
7	hcs115g02	?	?	0.604871	-0.608296	10.5235	10.602	-1.05597
7	hcs115g03	220002	CYBASC3	0.594483	-0.627388	11.518	11.7837	-1.20221
1	hcs115g06	?	?	0.203709	1.86163	9.96535	10.5061	0.687393
7	hcs115g06	?	?	0.462624	-0.901133	9.8262	9.97936	-1.112
1	hcs115g07	399665	FAM102A	0.899805	0.142414	12.5888	12.6048	0.988948
5	hcs115g07	399665	FAM102A	0.0173921	-7.48343	12.606	12.9153	-1.23905
7	hcs115g07	399665	FAM102A	0.163412	-2.15963	12.0638	12.5206	-1.37249
1	hcs115g08	10776	ARPP19	0.496471	-0.824208	10.3926	10.2442	1.10831
3	hcs115g08	10776	ARPP19	0.885776	0.162601	10.7408	10.6924	1.03409
5	hcs115g08	10776	ARPP19	0.680058	-0.477568	10.2681	10.339	-1.05036
7	hcs115g08	10776	ARPP19	0.0311636	-5.53142	9.70454	10.0551	-1.27509
1	hcs115g09	3038	HAS3	0.389019	1.09147	10.1401	10.2254	0.942582
5	hcs115g09	3038	HAS3	0.214525	1.79487	10.5543	10.337	1.16253

7	hcs115g09	3038	HAS3	0.258976	-1.56068	9.97422	10.3707	-1.31632
1	hcs115g10	64147	KIF9	0.884977	0.163754	10.6292	10.6408	0.991991
3	hcs115g10	64147	KIF9	0.687985	0.464442	10.8642	10.8474	1.01174
5	hcs115g10	64147	KIF9	0.148395	-2.29757	10.5313	10.6368	-1.07584
7	hcs115g10	64147	KIF9	0.21072	-1.81784	10.128	10.2563	-1.093
1	hcs115g11			0.493912	0.829835	10.0894	10.2377	0.902334
3	hcs115g11			0.192068	-1.93897	10.1568	10.4128	-1.19414
5	hcs115g11			0.461127	0.904668	10.2406	10.1613	1.0565
7	hcs115g11			0.741298	0.378754	9.88171	9.85154	1.02113
1	hcs115g12			0.0670982	3.66345	11.1873	11.8685	0.623632
3	hcs115g12			0.207806	-1.8358	11.055	11.4641	-1.32786
5	hcs115g12			0.496615	-0.823891	11.3877	11.6111	-1.16751
7	hcs115g12			0.0147225	-8.15027	10.5937	11.4688	-1.83418
1	hcs115h01	4646	MYO6	0.929755	0.099588	10.4399	10.4607	0.985686
3	hcs115h01	4646	MYO6	0.665377	-0.502177	10.6368	10.7529	-1.08378
5	hcs115h01	4646	MYO6	0.398429	1.06501	10.4112	10.3161	1.06808
7	hcs115h01	4646	MYO6	0.69213	0.457621	10.5487	10.5217	1.01887
1	hcs115h03	1528	CYB5A	0.550358	0.711915	10.3829	10.4625	0.946342
3	hcs115h03	1528	CYB5A	0.740018	-0.380763	10.5747	10.6174	-1.03009
5	hcs115h03	1528	CYB5A	0.0264257	-6.02898	10.2429	10.3647	-1.08807
7	hcs115h03	1528	CYB5A	0.879539	0.171608	10.2376	10.2222	1.01076
1	hcs115h04	?	?	0.324705	-1.29485	10.174	10.1034	1.05016
3	hcs115h04	?	?	0.545969	-0.720658	10.2684	10.4036	-1.09825
5	hcs115h04	?	?	0.639536	0.546513	10.2004	10.1602	1.02821
7	hcs115h04	?	?	0.0842962	3.22257	10.1474	9.90524	1.18274
1	hcs115h05	84060	C7orf64	0.649626	0.529039	10.2067	10.293	0.941913
3	hcs115h05	84060	C7orf64	0.855758	-0.206145	10.5554	10.5841	-1.02007
5	hcs115h05	84060	C7orf64	0.572392	0.668975	10.4136	10.3513	1.0441
7	hcs115h05	84060	C7orf64	0.937222	0.0889565	10.2705	10.2659	1.00322
1	hcs115h06			0.549657	-0.713308	10.237	10.1357	1.07272
5	hcs115h06			0.847832	0.217734	10.0592	9.99992	1.04194
7	hcs115h06			0.0650629	-3.72647	9.72365	10.0259	-1.23303
1	hcs115h07	6167	RPL37	0.705496	0.435821	11.2067	11.2308	0.983411
3	hcs115h07	6167	RPL37	0.391653	-1.08399	11.367	11.4572	-1.06449
5	hcs115h07	6167	RPL37	0.167939	2.12141	11.5445	11.2987	1.18572
7	hcs115h07	6167	RPL37	0.194226	1.92417	11.2385	11.0725	1.12197
5	hcs115h08	79776	ZFHX4	0.0159828	7.8148	11.2196	10.8307	1.30942
7	hcs115h08	79776	ZFHX4	0.0268369	5.98071	11.1997	10.7443	1.37123
1	hcs115h09	9463	PICK1	0.300308	1.38501	9.38695	9.48625	0.933486
5	hcs115h09	9463	PICK1	0.461754	0.903188	9.40485	9.30746	1.06983
7	hcs115h09	9463	PICK1	0.0791981	3.33874	9.59515	9.37982	1.16097
1	hcs115h10	84962	JUB	0.203961	1.86002	10.4839	10.7077	0.856307
3	hcs115h10	84962	JUB	0.48354	-0.852943	10.8846	11.0099	-1.09078
5	hcs115h10	84962	JUB	0.969508	-0.0431426	10.4586	10.4637	-1.00349
7	hcs115h10	84962	JUB	0.811424	0.271559	10.4845	10.4743	1.00712
1	hcs115h11	10050671C	LOC100506	0.766128	0.340179	10.2038	10.2707	0.954709
3	hcs115h11	10050671C	LOC100506	0.507598	-0.800077	9.99069	10.1916	-1.14939

5	hcs115h11	10050671C	LOC100506	0.806158	-0.279434	10.3489	10.3866	-1.02648
7	hcs115h11	10050671C	LOC100506	0.447157	-0.938259	10.27	10.316	-1.03239
3	hcs115h12	139324	HDX	0.19855	-1.89516	9.69151	9.97763	-1.21936
5	hcs115h12	139324	HDX	0.504222	0.807342	9.93709	9.8323	1.07534
7	hcs115h12	139324	HDX	0.0064366	12.4041	9.62712	9.46704	1.11735
1	hcs116a02	151195	CCNYL1	0.0637256	-3.76945	10.9999	10.8441	1.11404
3	hcs116a02	151195	CCNYL1	0.774851	-0.3268	11.2678	11.3048	-1.02598
5	hcs116a02	151195	CCNYL1	0.836086	-0.234987	11.0711	11.0931	-1.01539
7	hcs116a02	151195	CCNYL1	0.576388	-0.661348	10.6139	10.6281	-1.00987
1	hcs116a04	?	?	0.899138	0.143371	11.6895	11.7047	0.989519
3	hcs116a04	?	?	0.679177	-0.479034	11.6863	11.7321	-1.03228
5	hcs116a04	?	?	0.95175	0.0683153	11.6561	11.6484	1.00535
7	hcs116a04	?	?	0.766567	0.339504	11.5473	11.5255	1.01523
1	hcs116a05	5528	PPP2R5D	0.212905	1.80458	11.8705	12.2235	0.782936
3	hcs116a05	5528	PPP2R5D	0.524331	-0.764756	12.0474	12.106	-1.04145
5	hcs116a05	5528	PPP2R5D	0.473232	0.876418	12.5428	12.4155	1.09222
7	hcs116a05	5528	PPP2R5D	0.461098	-0.904737	11.706	11.9515	-1.1855
1	hcs116a06	10026	PIGK	0.240392	1.65172	11.2663	11.3531	0.941587
3	hcs116a06	10026	PIGK	0.459673	-0.908115	11.37	11.427	-1.0403
5	hcs116a06	10026	PIGK	0.0716807	3.53119	11.5092	11.2547	1.19292
7	hcs116a06	10026	PIGK	0.692141	-0.457603	11.1696	11.195	-1.01774
1	hcs116a07	8504	PEX3	0.402466	1.05387	11.6099	11.7404	0.913536
3	hcs116a07	8504	PEX3	0.755452	-0.356672	12.0099	12.0399	-1.02104
5	hcs116a07	8504	PEX3	0.720283	-0.412027	11.7625	11.7912	-1.02012
7	hcs116a07	8504	PEX3	0.51109	-0.792614	11.5429	11.5886	-1.03218
5	hcs116a08	54469	ZFAND6	0.180545	2.02198	10.6386	10.4387	1.14864
7	hcs116a08	54469	ZFAND6	0.407927	1.03901	10.2596	10.0622	1.1466
5	hcs116a09	84798	C19orf48	0.504635	-0.806452	9.45272	9.53574	-1.05923
1	hcs116a10	9537	TP53I11	0.754886	0.357551	10.1393	10.2011	0.958068
3	hcs116a10	9537	TP53I11	0.336886	-1.25286	10.2984	10.5627	-1.20111
5	hcs116a10	9537	TP53I11	0.533314	0.746243	10.1981	10.1005	1.06999
7	hcs116a10	9537	TP53I11	0.230561	1.70364	10.1532	10.041	1.08081
1	hcs116a11	444	ASPH	0.837126	0.233456	10.8303	10.8393	0.993781
3	hcs116a11	444	ASPH	0.384934	-1.10319	10.9438	10.9881	-1.03114
5	hcs116a11	444	ASPH	0.0413917	4.7613	11.01	10.6635	1.2715
7	hcs116a11	444	ASPH	0.170925	2.09696	10.5827	10.4613	1.08779
1	hcs116a12	153527	ZMAT2	0.815919	0.264856	11.1201	11.1744	0.963039
3	hcs116a12	153527	ZMAT2	0.379382	1.11934	11.1089	10.9265	1.13477
5	hcs116a12	153527	ZMAT2	0.110218	2.75718	11.1941	10.912	1.21596
7	hcs116a12	153527	ZMAT2	0.125357	2.55159	10.9058	10.7062	1.14833
1	hcs116b01	10233	LRRC23	0.628247	0.566326	10.71	10.8165	0.92886
3	hcs116b01	10233	LRRC23	0.279208	-1.47061	10.7388	10.9122	-1.12769
5	hcs116b01	10233	LRRC23	0.276858	1.48064	11.0705	10.7579	1.24193
7	hcs116b01	10233	LRRC23	0.530765	0.751465	10.7409	10.6491	1.0657
1	hcs116b02	25927	CNRIP1	0.193271	1.93069	10.2568	10.522	0.832102
3	hcs116b02	25927	CNRIP1	0.288226	-1.43307	10.3447	10.646	-1.23228
5	hcs116b02	25927	CNRIP1	0.22587	-1.72944	10.5477	10.6908	-1.1043

7	hcs116b02	25927	CNRIP1	0.110228	-2.75704	10.2257	10.4006	-1.12886
1	hcs116b03	6541	SLC7A1	0.174578	2.06783	10.8079	10.9475	0.907792
3	hcs116b03	6541	SLC7A1	0.728803	0.398464	10.9367	10.8836	1.03754
5	hcs116b03	6541	SLC7A1	0.270361	1.50895	11.1359	10.9107	1.16899
7	hcs116b03	6541	SLC7A1	0.108838	2.7779	10.7085	10.5258	1.13501
1	hcs116b04	51053	GMNN	0.237515	1.66662	10.3392	10.5132	0.886402
3	hcs116b04	51053	GMNN	0.870368	0.184888	10.5827	10.5386	1.03104
5	hcs116b04	51053	GMNN	0.0952109	3.00466	10.8034	10.6671	1.09906
7	hcs116b04	51053	GMNN	0.500575	0.815246	10.4447	10.2811	1.1201
3	hcs116b05	79671	NLRX1	0.356479	-1.18897	10.1295	10.3276	-1.14719
5	hcs116b05	79671	NLRX1	0.646486	0.534455	9.98805	9.78399	1.15194
7	hcs116b05	79671	NLRX1	0.35679	1.188	9.86582	9.71831	1.10766
1	hcs116b06	133015	PACRGL	0.236223	1.6734	10.9258	11.0644	0.908379
3	hcs116b06	133015	PACRGL	0.749936	0.365248	11.1136	11.0551	1.04138
5	hcs116b06	133015	PACRGL	0.884735	-0.164103	11.0685	11.0973	-1.02019
7	hcs116b06	133015	PACRGL	0.688292	0.463936	10.7064	10.69	1.01143
1	hcs116b07	114801	TMEM200A	0.465073	0.895376	11.5471	11.7185	0.88798
3	hcs116b07	114801	TMEM200A	0.639359	0.546823	11.7579	11.7005	1.04059
5	hcs116b07	114801	TMEM200A	0.244685	-1.62991	11.9382	12.0444	-1.07639
7	hcs116b07	114801	TMEM200A	0.552122	-0.708421	11.5582	11.6508	-1.06627
1	hcs116b08	?	?	0.11151	2.73813	11.04	11.5692	0.692939
3	hcs116b08	?	?	0.456885	-0.914755	11.2378	11.4254	-1.13884
5	hcs116b08	?	?	0.180651	2.02118	11.5626	11.3124	1.1894
7	hcs116b08	?	?	0.586919	0.641472	11.2809	11.0572	1.16778
1	hcs116b09	586	BCAT1	0.305331	-1.36573	10.2831	10.1592	1.08966
3	hcs116b09	586	BCAT1	0.73093	-0.395094	10.3402	10.4496	-1.07883
5	hcs116b09	586	BCAT1	0.848688	-0.216481	10.393	10.4142	-1.01478
7	hcs116b09	586	BCAT1	0.355417	1.19233	10.0372	9.85679	1.13319
1	hcs116b10	51454	GULP1	0.803109	-0.284005	10.592	10.5284	1.04509
3	hcs116b10	51454	GULP1	0.19238	-1.93681	10.085	10.5233	-1.35499
5	hcs116b10	51454	GULP1	0.695386	0.452283	10.5905	10.4756	1.08288
7	hcs116b10	51454	GULP1	0.825307	-0.250911	10.3735	10.4433	-1.04957
1	hcs116b11	?	?	0.202785	1.86755	11.2643	11.587	0.799591
3	hcs116b11	?	?	0.758658	-0.351705	11.3794	11.4541	-1.05314
5	hcs116b11	?	?	0.966657	-0.0471799	11.5087	11.5129	-1.00294
7	hcs116b11	?	?	0.287346	-1.43667	11.3936	11.461	-1.04783
1	hcs116b12	10495	ENOX2	0.688296	-0.463929	10.4887	10.4077	1.05773
3	hcs116b12	10495	ENOX2	0.986951	-0.0184553	10.3166	10.3214	-1.00336
5	hcs116b12	10495	ENOX2	0.312793	1.33779	10.7376	10.4591	1.21293
7	hcs116b12	10495	ENOX2	0.0240151	6.33613	10.4669	10.2438	1.16719
1	hcs116c01	1847	DUSP5	0.457966	0.912174	9.96119	10.0515	0.939303
5	hcs116c01	1847	DUSP5	0.106512	2.81367	10.8659	10.156	1.63562
1	hcs116c02	?	?	0.536843	0.73905	10.0016	10.1268	0.916858
5	hcs116c02	?	?	0.911676	-0.1254	10.3419	10.3567	-1.01031
7	hcs116c02	?	?	0.918453	-0.11571	10.3237	10.3576	-1.02376
1	hcs116c03	222658	KCTD20	0.869654	0.185924	10.1455	10.1949	0.966347
3	hcs116c03	222658	KCTD20	0.97584	0.0341772	10.674	10.6683	1.00398

5	hcs116c03	222658	KCTD20	0.682313	0.473823	10.3397	10.2745	1.04622
7	hcs116c03	222658	KCTD20	0.856822	0.204592	10.1244	10.106	1.01283
1	hcs116c05	5786	PTPRA	0.499896	-0.816723	10.3873	10.2262	1.11814
3	hcs116c05	5786	PTPRA	0.632817	-0.55827	10.1448	10.2271	-1.05869
5	hcs116c05	5786	PTPRA	0.489423	-0.839774	10.0896	10.2765	-1.13834
7	hcs116c05	5786	PTPRA	0.460646	0.905807	10.1126	9.79339	1.24764
1	hcs116c06	51542	VPS54	0.8075	0.277425	10.6328	10.6635	0.978941
3	hcs116c06	51542	VPS54	0.42588	0.991643	10.8682	10.7828	1.06101
5	hcs116c06	51542	VPS54	0.894683	0.149773	10.5983	10.574	1.01702
7	hcs116c06	51542	VPS54	0.626882	0.56874	10.0915	10.0573	1.02401
1	hcs116c07	125	ADH1B	0.529403	0.754264	10.4926	10.6058	0.924557
5	hcs116c07	125	ADH1B	0.13749	2.41042	11.0349	10.7421	1.22502
7	hcs116c07	125	ADH1B	0.709189	0.429846	10.7278	10.5813	1.10688
1	hcs116c08	?	?	0.19838	1.89628	11.8995	12.0185	0.920804
3	hcs116c08	?	?	0.0764806	3.40516	11.9276	11.8393	1.06314
5	hcs116c08	?	?	0.864267	-0.193749	12.2367	12.251	-1.00994
7	hcs116c08	?	?	0.302944	-1.37484	11.6479	11.8507	-1.15098
1	hcs116c09	133619	PRRC1	0.671588	0.491719	9.78539	9.858	0.950916
5	hcs116c09	133619	PRRC1	0.593564	0.629091	10.0891	10.018	1.05053
7	hcs116c09	133619	PRRC1	0.330358	-1.27513	9.80149	10.0929	-1.22383
1	hcs116c10	7162	TPBG	0.117212	2.65756	11.8735	12.4874	0.653428
3	hcs116c10	7162	TPBG	0.288419	-1.43228	12.0733	12.2665	-1.14335
5	hcs116c10	7162	TPBG	0.249664	-1.60521	12.1062	12.4755	-1.29173
7	hcs116c10	7162	TPBG	0.0242223	-6.30797	11.451	12.3342	-1.8445
1	hcs116c11	627	BDNF	0.948063	0.0735489	10.2826	10.2914	0.993951
3	hcs116c11	627	BDNF	0.977267	0.0321575	10.7084	10.7056	1.00199
5	hcs116c11	627	BDNF	0.458664	-0.910513	10.1947	10.3089	-1.08232
7	hcs116c11	627	BDNF	0.187401	-1.97176	10.0726	10.3126	-1.18094
1	hcs116c12	5493	PPL	0.913949	0.122148	10.7663	10.7707	0.996978
3	hcs116c12	5493	PPL	0.916203	-0.118924	10.8861	10.8999	-1.00963
5	hcs116c12	5493	PPL	0.277418	1.47824	10.6595	10.6112	1.03409
7	hcs116c12	5493	PPL	0.77469	0.327046	10.2529	10.2204	1.02274
1	hcs116d01	84144	SYDE2	0.0961997	-2.98669	10.0527	10.0083	1.03122
3	hcs116d01	84144	SYDE2	0.583018	-0.648797	9.99957	10.291	-1.22385
5	hcs116d01	84144	SYDE2	0.447516	-0.937384	10.1136	10.1799	-1.04708
7	hcs116d01	84144	SYDE2	0.28378	1.45139	9.73656	9.66895	1.04798
1	hcs116d08	26471	NUPR1	0.570479	0.672642	10.6199	10.6971	0.947896
3	hcs116d08	26471	NUPR1	0.694438	0.453836	10.9909	10.8261	1.12098
5	hcs116d08	26471	NUPR1	0.239859	1.65447	11.3852	10.8516	1.4475
7	hcs116d08	26471	NUPR1	0.160148	2.18809	11.1317	10.7212	1.32915
1	hcs116d11	64840	PORCN	0.273822	1.49376	10.5001	10.8969	0.759559
3	hcs116d11	64840	PORCN	0.900406	0.141552	10.7228	10.6765	1.03264
5	hcs116d11	64840	PORCN	0.622985	0.57566	11.0066	10.8207	1.13747
7	hcs116d11	64840	PORCN	0.59601	-0.624564	10.5404	10.7754	-1.17687
1	hcs116e01	9737	GPRASP1	0.577829	-0.658609	10.1902	10.0763	1.08214
3	hcs116e01	9737	GPRASP1	0.317175	-1.32177	10.3382	10.5564	-1.1633
5	hcs116e01	9737	GPRASP1	0.564917	0.683371	10.1709	10.0316	1.10136

7	hcs116e01	9737	GPRASP1	0.759139	-0.350961	9.93608	9.97799	-1.02948
1	hcs116e06			0.581913	-0.650881	9.99511	9.91291	1.05863
5	hcs116e06			0.0614793	3.84467	9.52477	9.34923	1.12938
5	hcs116e08	80153	EDC3	0.482224	0.855911	9.58677	9.38538	1.1498
1	hcs116e11	90416	C15orf57	0.381353	1.11357	9.67813	9.90683	0.853404
3	hcs116e11	90416	C15orf57	0.349936	-1.20984	10.0097	10.1855	-1.1296
5	hcs116e11	90416	C15orf57	0.128242	-2.51635	9.84419	9.9602	-1.08374
7	hcs116e11	90416	C15orf57	0.620628	-0.579862	10.0027	10.0394	-1.02581
1	hcs116f03	5696	PSMB8	0.552919	0.706846	10.269	10.4321	0.893124
3	hcs116f03	5696	PSMB8	0.90741	-0.131507	10.4386	10.4802	-1.02923
5	hcs116f03	5696	PSMB8	0.421944	1.00184	10.55	10.3864	1.12003
7	hcs116f03	5696	PSMB8	0.133153	2.45883	10.3601	10.2349	1.09066
1	hcs116g02	?	?	0.0669666	-3.66744	11.2648	11.0288	1.17775
3	hcs116g02	?	?	0.193672	1.92795	11.7996	11.4981	1.23243
5	hcs116g02	?	?	0.27506	-1.48839	11.21	11.4142	-1.1521
7	hcs116g02	?	?	0.294494	-1.40783	10.717	11.0267	-1.23945
1	hcs116g06	5435	POLR2F	0.480382	0.86008	9.93942	10.1417	0.8692
3	hcs116g06	5435	POLR2F	0.873721	-0.180027	10.6043	10.6349	-1.02141
5	hcs116g06	5435	POLR2F	0.594232	-0.627853	10.1692	10.2387	-1.04939
7	hcs116g06	5435	POLR2F	0.0018793	23.035	10.1336	9.87883	1.19311
1	hcs116h01	10492	SYNCRIP	0.306277	-1.36214	9.58696	9.37669	1.1569
5	hcs116h01	10492	SYNCRIP	0.375322	-1.13132	10.1293	10.3982	-1.20496
1	hcs116h02	57466	SFRS15	0.0683203	-3.62693	10.5516	10.4431	1.07807
3	hcs116h02	57466	SFRS15	0.0868337	-3.16843	10.7419	10.8825	-1.10234
5	hcs116h02	57466	SFRS15	0.965644	-0.0486159	10.294	10.3018	-1.00547
7	hcs116h02	57466	SFRS15	0.23646	-1.67215	10.2605	10.4568	-1.14576
1	hcs116h12	51088	KLHL5	0.857217	0.204015	9.64634	9.68672	0.972401
5	hcs116h12	51088	KLHL5	0.441137	0.95308	9.39903	9.28246	1.08416
3	hcs117a02	55183	RIF1	0.82261	0.25491	9.89837	9.84833	1.03529
1	hcs117a04	340371	NRBP2	0.213861	1.79883	10.775	10.8833	0.927659
3	hcs117a04	340371	NRBP2	0.598204	0.620517	10.8786	10.7962	1.05875
5	hcs117a04	340371	NRBP2	0.198093	1.89818	11.1478	10.9171	1.17346
7	hcs117a04	340371	NRBP2	0.421368	-1.00333	10.5533	10.6212	-1.04817
5	hcs117a05	10100	TSPAN2	0.445835	-0.941495	9.83763	9.97555	-1.10032
1	hcs117a08	7874	USP7	0.491502	0.835159	11.0239	11.1723	0.90225
3	hcs117a08	7874	USP7	0.687792	0.46476	11.402	11.3	1.07326
5	hcs117a08	7874	USP7	0.55317	0.706348	11.1963	11.0979	1.07059
7	hcs117a08	7874	USP7	0.313315	1.33587	10.9771	10.8908	1.06169
1	hcs117a09	?	?	0.751196	0.363286	9.83574	9.89551	0.959417
3	hcs117a09	?	?	0.883794	-0.165462	10.6633	10.6741	-1.00748
5	hcs117a09	?	?	0.242013	-1.64342	9.83577	10.0753	-1.18058
1	hcs117a12	960	CD44	0.399653	1.06162	10.9147	11.1964	0.822602
3	hcs117a12	960	CD44	0.676217	0.483968	11.0776	10.9702	1.07733
5	hcs117a12	960	CD44	0.312324	1.33953	11.2924	10.9857	1.23685
7	hcs117a12	960	CD44	0.512938	0.788682	10.8645	10.8072	1.04052
5	hcs117b03	6541	SLC7A1	0.801516	-0.286397	9.30319	9.33624	-1.02317
1	hcs117b04	892	CCNC	0.0677143	-3.64492	10.4304	10.3582	1.05131

5	hcs117b04	892	CCNC	0.855047	-0.207183	10.8859	10.9216	-1.02507
7	hcs117b04	892	CCNC	0.462694	-0.900968	9.95923	10.1437	-1.13641
1	hcs117b06			0.379447	-1.11915	10.5147	10.1336	1.30235
3	hcs117b06			0.511995	0.790686	10.4825	10.2658	1.16204
5	hcs117b06			0.952172	0.0677164	10.3458	10.3315	1.00993
7	hcs117b06			0.479915	0.86114	9.52239	9.26159	1.19814
1	hcs117b07	1475	CSTA	0.401736	1.05588	11.1456	11.2137	0.953893
3	hcs117b07	1475	CSTA	0.816317	0.264264	11.4188	11.3846	1.02399
5	hcs117b07	1475	CSTA	0.516541	-0.781061	11.2022	11.2623	-1.04251
7	hcs117b07	1475	CSTA	0.169063	-2.11214	10.6393	10.7874	-1.10808
1	hcs117b08	137695	TMEM68	0.561944	-0.689144	10.3186	10.2555	1.04472
5	hcs117b08	137695	TMEM68	0.519258	0.775346	10.6443	10.5228	1.08789
1	hcs117b10	84450	ZNF512	0.218824	1.76955	9.50201	9.6377	0.910233
5	hcs117b10	84450	ZNF512	0.815584	0.265355	9.53058	9.48142	1.03466
1	hcs117c02	10440	TIMM17A	0.601615	-0.614251	9.97735	9.91252	1.04596
3	hcs117c02	10440	TIMM17A	0.423578	0.997591	10.1394	9.97991	1.11686
5	hcs117c02	10440	TIMM17A	0.955735	-0.0626612	10.0151	10.022	-1.0048
7	hcs117c02	10440	TIMM17A	0.371261	-1.14346	9.75292	9.92055	-1.12321
5	hcs117c04	8728	ADAM19	0.542093	0.728435	9.33465	9.20107	1.09701
5	hcs117c06	64924	SLC30A5	0.495184	0.827034	9.76109	9.62822	1.09647
1	hcs117c11	5160	PDHA1	0.18774	1.96934	10.3415	10.4068	0.955768
3	hcs117c11	5160	PDHA1	0.267114	-1.52342	10.2923	10.488	-1.14528
5	hcs117c11	5160	PDHA1	0.539058	-0.73456	10.4116	10.4304	-1.01312
7	hcs117c11	5160	PDHA1	0.874708	0.178597	10.2228	10.2058	1.01183
1	hcs117c12	5721	PSME2	0.706255	0.434591	11.1151	11.2161	0.932387
3	hcs117c12	5721	PSME2	0.12664	2.53578	11.212	10.9716	1.18129
5	hcs117c12	5721	PSME2	0.208272	1.83291	11.3167	11.0962	1.16511
7	hcs117c12	5721	PSME2	0.392593	1.08134	10.9679	10.9108	1.0404
1	hcs117d01	?	?	0.346008	-1.22258	10.8959	10.6099	1.21927
5	hcs117d01	?	?	0.265033	-1.53281	10.4456	10.7425	-1.22855
7	hcs117d01	?	?	0.102028	-2.88585	9.83352	10.2905	-1.37266
1	hcs117d03	1627	DBN1	0.213153	1.80308	10.1582	10.3659	0.865923
3	hcs117d03	1627	DBN1	0.997403	0.0036730	10.5981	10.5975	1.00042
5	hcs117d03	1627	DBN1	0.209293	1.82659	10.4	10.1382	1.19895
7	hcs117d03	1627	DBN1	0.251097	1.59822	10.0524	9.8081	1.18453
1	hcs117d05	1727	CYB5R3	0.110303	2.75593	10.3514	11.1403	0.578785
3	hcs117d05	1727	CYB5R3	0.846304	0.219973	11.0862	11.0662	1.01394
5	hcs117d05	1727	CYB5R3	0.510125	0.79467	11.3691	11.1907	1.1316
7	hcs117d05	1727	CYB5R3	0.983866	0.0228196	10.8333	10.8319	1.00099
1	hcs117d06	?	?	0.536965	0.738802	10.4398	10.605	0.891832
3	hcs117d06	?	?	0.385424	1.10177	11.4901	11.1535	1.26281
5	hcs117d06	?	?	0.22641	-1.72644	10.4635	10.8932	-1.34695
7	hcs117d06	?	?	0.512262	-0.79012	10.0483	10.3279	-1.21381
1	hcs117d08	1312	COMT	0.517039	-0.780011	11.3032	11.2446	1.04148
3	hcs117d08	1312	COMT	0.0831161	3.24855	11.5401	11.3743	1.12181
5	hcs117d08	1312	COMT	0.866602	0.190355	11.3634	11.3415	1.0153
7	hcs117d08	1312	COMT	0.543584	0.725438	10.9374	10.9248	1.0088



1	hcs117d09	6421	SFPQ	0.0791728	-3.33934	10.634	10.4581	1.12964
3	hcs117d09	6421	SFPQ	0.909842	-0.128024	10.7239	10.7291	-1.00357
5	hcs117d09	6421	SFPQ	0.504252	0.807278	10.5149	10.3445	1.12535
1	hcs117d10	7375	USP4	0.266098	1.52799	9.74906	9.82919	0.945972
3	hcs117d10	7375	USP4	0.350365	-1.20845	10.2477	10.3609	-1.08162
5	hcs117d10	7375	USP4	0.683813	0.471338	9.94282	9.88434	1.04137
7	hcs117d10	7375	USP4	0.959709	-0.057027	9.83244	9.83956	-1.00495
1	hcs117d11	50628	GEMIN4	0.766813	0.339125	10.3033	10.3396	0.975175
3	hcs117d11	50628	GEMIN4	0.34688	-1.21974	10.4226	10.6889	-1.20274
5	hcs117d11	50628	GEMIN4	0.0559688	4.04741	10.5166	10.1413	1.29711
7	hcs117d11	50628	GEMIN4	0.312213	1.33994	10.2228	9.86878	1.27814
3	hcs117e03	2936	GSR	0.471104	0.88133	10.5686	10.3505	1.16316
1	hcs117e04	79576	NKAP	0.396673	1.06989	10.1768	10.4172	0.846538
3	hcs117e04	79576	NKAP	0.48561	0.848291	10.9628	10.7872	1.12941
5	hcs117e04	79576	NKAP	0.156713	-2.21891	10.3775	10.9234	-1.45991
7	hcs117e04	79576	NKAP	0.2101	-1.82163	9.88813	9.98895	-1.07239
3	hcs117e05	83448	PUS7L	0.393523	1.07872	10.7866	10.6876	1.07097
7	hcs117e05	83448	PUS7L	0.733066	-0.391715	9.48428	9.58476	-1.07213
1	hcs117e10	64778	FNDC3B	0.0827313	3.25713	13.1183	13.4824	0.776971
3	hcs117e10	64778	FNDC3B	0.499783	0.816969	13.5281	13.2438	1.21782
5	hcs117e10	64778	FNDC3B	0.121045	2.60646	13.6846	13.4717	1.15902
7	hcs117e10	64778	FNDC3B	0.895071	-0.149215	13.2625	13.3008	-1.02688
1	hcs117e11	220988	HNRNPA3	0.0967201	-2.97733	11.3631	11.2111	1.11111
3	hcs117e11	220988	HNRNPA3	0.166383	-2.13439	11.2291	11.3732	-1.10507
5	hcs117e11	220988	HNRNPA3	0.953953	0.0651891	11.1462	11.1422	1.00275
7	hcs117e11	220988	HNRNPA3	0.115199	-2.68536	10.6192	10.9134	-1.22618
1	hcs117f01	160428	ALDH1L2	0.680841	-0.476268	9.76269	9.73562	1.01894
3	hcs117f01	160428	ALDH1L2	0.248144	-1.61268	10.0406	10.2957	-1.19344
5	hcs117f01	160428	ALDH1L2	0.910075	0.127691	10.3923	10.3833	1.00621
1	hcs117f04	10695	CNPY3	0.644291	0.538251	11.1247	11.1436	0.986985
3	hcs117f04	10695	CNPY3	0.962085	0.0536583	11.5992	11.5943	1.00338
5	hcs117f04	10695	CNPY3	0.767562	-0.337973	11.4554	11.4915	-1.02529
7	hcs117f04	10695	CNPY3	0.239397	-1.65685	10.7427	10.901	-1.116
1	hcs117f05	64844	MARCH7	0.130121	2.49398	13.5554	14.1233	0.674614
3	hcs117f05	64844	MARCH7	0.253383	-1.58718	13.599	14.025	-1.34347
5	hcs117f05	64844	MARCH7	0.325672	-1.29144	13.9641	14.3369	-1.29492
7	hcs117f05	64844	MARCH7	0.0095356	-10.1672	13.2364	14.163	-1.90075
1	hcs117f06	9871	SEC24D	0.922212	-0.110343	10.6998	10.6687	1.02181
3	hcs117f06	9871	SEC24D	0.308597	1.3534	11.2746	10.934	1.26629
5	hcs117f06	9871	SEC24D	0.728125	-0.399539	10.7467	10.9265	-1.13267
7	hcs117f06	9871	SEC24D	0.319151	-1.31463	10.0193	10.4515	-1.34936
1	hcs117f07	1277	COL1A1	0.0066183	-12.231	11.101	10.997	1.07475
5	hcs117f07	1277	COL1A1	0.804628	-0.281727	10.9053	10.946	-1.02861
7	hcs117f07	1277	COL1A1	0.0777839	-3.37289	10.0982	10.5721	-1.38879
3	hcs117f11	55258	THNSL2	0.917479	-0.117101	9.75029	9.77462	-1.01701
5	hcs117f11	55258	THNSL2	0.128332	-2.51527	9.12898	9.33324	-1.1521
1	hcs117f12	51103	NDUFAF1	0.0122738	-8.94301	10.1508	10.0306	1.08692

3	hcs117f12	51103	NDUFAF1	0.14688	-2.31255	10.0843	10.2891	-1.15252
5	hcs117f12	51103	NDUFAF1	0.0611201	-3.85707	9.89416	9.96496	-1.0503
7	hcs117f12	51103	NDUFAF1	0.0015812	-25.1178	9.52826	9.74833	-1.16479
1	hcs117g02	8317	CDC7	0.653547	0.522305	9.83838	10.0093	0.888258
5	hcs117g02	8317	CDC7	0.37384	-1.13573	10.2438	10.9029	-1.57909
3	hcs117g05	115701	ALPK2	0.945744	-0.0768435	9.98241	10.0011	-1.01304
5	hcs117g05	115701	ALPK2	0.537759	0.737191	9.8105	9.68595	1.09017
7	hcs117g05	115701	ALPK2	0.915382	-0.120098	9.68929	9.69563	-1.00441
1	hcs117g06	91368	CDKN2AIP	0.97876	-0.0300451	10.8029	10.7985	1.00308
5	hcs117g06	91368	CDKN2AIP	0.831965	-0.241065	10.0729	10.0922	-1.01343
7	hcs117g06	91368	CDKN2AIP	0.670687	-0.49323	10.0919	10.1917	-1.0716
1	hcs117g11	4047	LSS	0.583269	-0.648325	10.7095	10.5948	1.08272
3	hcs117g11	4047	LSS	0.19338	1.92995	11.1211	10.635	1.40069
5	hcs117g11	4047	LSS	0.0476816	4.41414	10.9573	10.4192	1.45199
7	hcs117g11	4047	LSS	0.0965609	2.98019	10.6272	10.36	1.20353
3	hcs117h01	9122	SLC16A4	0.871965	-0.182571	9.95733	9.98783	-1.02137
5	hcs117h01	9122	SLC16A4	0.308513	-1.35372	9.95211	10.3046	-1.27678
1	hcs117h02	57636	ARHGAP23	0.337951	1.24927	10.4663	10.6512	0.879688
3	hcs117h02	57636	ARHGAP23	0.431948	-0.97613	10.571	10.9282	-1.28096
5	hcs117h02	57636	ARHGAP23	0.749463	0.365985	10.6473	10.5925	1.03867
7	hcs117h02	57636	ARHGAP23	0.627923	0.566899	10.1994	10.084	1.08331
5	hcs117h06	84437	KIAA1826	0.459243	-0.909136	9.56588	9.89602	-1.25714
1	hcs117h07	7638	ZNF221	0.568709	-0.676046	10.4512	10.4054	1.03229
5	hcs117h07	7638	ZNF221	0.78606	-0.309729	10.3416	10.3726	-1.02171
7	hcs117h07	7638	ZNF221	0.21205	-1.80974	9.64893	10.1765	-1.44155
1	hcs117h08	8487	SIP1	0.952271	-0.0675755	9.90821	9.89186	1.0114
3	hcs117h08	8487	SIP1	0.607943	-0.602705	10.4994	10.6348	-1.09843
5	hcs117h08	8487	SIP1	0.460528	-0.906088	10.0428	10.1779	-1.09813
7	hcs117h08	8487	SIP1	0.753643	-0.35948	9.72672	9.86382	-1.09969
1	hcs117h09	56241	SUSD2	0.266911	1.52433	10.0142	10.1345	0.920026
3	hcs117h09	56241	SUSD2	0.256247	-1.57352	10.5211	10.6304	-1.07868
5	hcs117h09	56241	SUSD2	0.185103	1.98831	10.1318	9.95495	1.13042
7	hcs117h09	56241	SUSD2	0.564061	-0.68503	9.94556	10.0484	-1.07386
1	hcs117h12	23560	GTPBP4	0.500422	-0.815579	9.90533	9.76184	1.10457
3	hcs117h12	23560	GTPBP4	0.583509	-0.647874	10.0779	10.208	-1.09438
5	hcs117h12	23560	GTPBP4	0.363589	-1.16681	9.8087	9.87528	-1.04723
5	hcs118a01	5732	PTGER2	0.750327	0.364639	9.97961	9.80693	1.12715
1	hcs118a02	51097	SCCPDH	0.68323	0.472304	9.72437	9.75394	0.979713
3	hcs118a02	51097	SCCPDH	0.417336	-1.0139	9.79244	9.91529	-1.08888
5	hcs118a02	51097	SCCPDH	0.966451	-0.0474721	9.75105	9.76157	-1.00732
7	hcs118a02	51097	SCCPDH	0.43166	0.97686	9.67606	9.52465	1.11065
1	hcs118a03	4041	LRP5	0.520639	0.772454	10.5096	10.6811	0.887919
3	hcs118a03	4041	LRP5	0.724661	-0.405044	10.7341	10.8257	-1.06558
5	hcs118a03	4041	LRP5	0.0396194	-4.87343	10.8021	10.8945	-1.06612
7	hcs118a03	4041	LRP5	0.232428	-1.69356	10.4228	10.53	-1.07711
1	hcs118a05	28952	CCDC22	0.511898	0.790892	10.0325	10.2296	0.872302
3	hcs118a05	28952	CCDC22	0.726725	-0.401762	10.3782	10.4531	-1.05334

5	hcs118a05	28952	CCDC22	0.870849	0.18419	9.98391	9.97917	1.00329
7	hcs118a05	28952	CCDC22	0.296688	1.39916	10.0464	9.90622	1.10205
1	hcs118a06			0.16888	2.11364	10.0593	10.2693	0.86453
3	hcs118a06			0.494758	-0.827971	10.2026	10.4108	-1.15525
5	hcs118a06			0.7481	0.36811	10.0904	10.0404	1.03527
7	hcs118a06			0.236173	1.67366	10.0013	9.87582	1.09084
1	hcs118a07	4255	MGMT	0.18231	2.00881	10.5212	10.8283	0.808283
3	hcs118a07	4255	MGMT	0.458042	-0.911993	10.8805	10.9994	-1.08593
5	hcs118a07	4255	MGMT	0.138845	2.39574	10.8292	10.7101	1.08611
7	hcs118a07	4255	MGMT	0.444975	0.943607	10.6929	10.5298	1.11969
1	hcs118a08	2687	GGT5	0.29517	1.40515	9.42049	9.59303	0.887279
3	hcs118a08	2687	GGT5	0.429933	-0.981255	9.94246	10.1047	-1.11905
5	hcs118a08	2687	GGT5	0.459526	0.908465	9.7228	9.6297	1.06666
1	hcs118a10	?	?	0.0764534	3.40584	9.64628	9.71597	0.952843
3	hcs118a10	?	?	0.861674	0.197521	10.0685	10.024	1.0313
5	hcs118a10	?	?	0.104663	2.84289	10.1852	9.74069	1.36084
7	hcs118a10	?	?	0.0888503	3.127	10.2089	9.60995	1.51458
1	hcs118a11	63906	GPATCH3	0.380865	-1.115	13.9656	13.7244	1.18198
3	hcs118a11	63906	GPATCH3	0.658993	0.513006	13.4576	13.3901	1.04792
5	hcs118a11	63906	GPATCH3	0.324966	1.29393	13.8276	13.536	1.22397
7	hcs118a11	63906	GPATCH3	0.394204	1.0768	13.8943	13.6996	1.14449
1	hcs118a12	403	ARL3	0.825899	-0.250035	10.4741	10.4423	1.02231
3	hcs118a12	403	ARL3	0.669876	0.494594	10.4712	10.4116	1.04218
5	hcs118a12	403	ARL3	0.632155	0.559436	10.4512	10.3653	1.06135
7	hcs118a12	403	ARL3	0.234663	1.68164	10.3983	10.2642	1.09743
1	hcs118b01			0.999874	-0.000178	10.8404	10.8404	1.00002
3	hcs118b01			0.664415	-0.503804	10.9702	11.0701	-1.07172
5	hcs118b01			0.960955	-0.0552607	10.9684	10.9713	-1.00197
7	hcs118b01			0.387293	1.0964	10.7452	10.5998	1.10606
1	hcs118b02	27086	FOXP1	0.942945	0.0808201	10.5187	10.5321	0.990728
3	hcs118b02	27086	FOXP1	0.607074	-0.604283	10.7085	10.8461	-1.10005
5	hcs118b02	27086	FOXP1	0.723178	0.407406	10.7296	10.6778	1.03656
7	hcs118b02	27086	FOXP1	0.993032	-0.0098547	10.0871	10.0886	-1.00102
1	hcs118b03	1876	E2F6	0.330862	1.27339	9.82952	10.0381	0.865359
3	hcs118b03	1876	E2F6	0.218335	-1.7724	10.8337	10.9111	-1.05511
5	hcs118b03	1876	E2F6	0.502333	0.81143	9.96516	9.92699	1.02681
1	hcs118b05	8976	WASL	0.207632	1.83688	13.1521	13.3508	0.871336
3	hcs118b05	8976	WASL	0.464444	0.896851	13.3407	13.1718	1.1242
7	hcs118b05	8976	WASL	0.4188	-1.01005	12.9369	13.1159	-1.1321
1	hcs118b06	6251	RSU1	0.519599	-0.774631	10.8247	10.6699	1.11327
3	hcs118b06	6251	RSU1	0.183004	2.00367	10.8737	10.5871	1.21973
5	hcs118b06	6251	RSU1	0.56571	0.681835	11.0267	10.8714	1.11365
7	hcs118b06	6251	RSU1	0.398896	1.06371	10.5404	10.4244	1.0837
1	hcs118b07	23471	TRAM1	0.699276	0.445929	10.6601	10.7405	0.945786
3	hcs118b07	23471	TRAM1	0.905413	0.134368	10.9482	10.9258	1.01565
5	hcs118b07	23471	TRAM1	0.0203258	6.90678	10.7136	10.3938	1.24816
7	hcs118b07	23471	TRAM1	0.726994	0.401334	10.1149	10.0142	1.07228

1	hcs118b08	93663	ARHGAP18	0.0469391	4.45154	9.78977	9.95076	0.894411
5	hcs118b08	93663	ARHGAP18	0.169363	2.10968	10.073	9.84153	1.17405
1	hcs118b09	6133	RPL9	0.23271	1.69205	12.4585	12.5239	0.955702
3	hcs118b09	6133	RPL9	0.726063	-0.402813	12.1543	12.2131	-1.04162
5	hcs118b09	6133	RPL9	0.167896	-2.12177	12.3639	12.5227	-1.11636
7	hcs118b09	6133	RPL9	0.736188	-0.386789	12.0255	12.1346	-1.07853
5	hcs118b10	6522	SLC4A2	0.891046	0.155007	10.9776	10.9745	1.0022
7	hcs118b10	6522	SLC4A2	0.237492	1.66675	10.9145	10.7353	1.13223
1	hcs118b11	586	BCAT1	0.525765	0.76178	9.95441	10.1184	0.892566
3	hcs118b11	586	BCAT1	0.100408	-2.91305	10.1408	10.4736	-1.25942
5	hcs118b11	586	BCAT1	0.0158869	-7.83893	9.89658	10.0899	-1.14337
7	hcs118b11	586	BCAT1	0.344871	-1.2263	9.70652	9.79655	-1.06439
1	hcs118c01	1992	SERPINB1	0.221226	1.75569	10.245	10.5758	0.795082
3	hcs118c01	1992	SERPINB1	0.220706	-1.75868	10.4873	10.5619	-1.05312
5	hcs118c01	1992	SERPINB1	0.102106	-2.88456	10.3488	10.5654	-1.16201
7	hcs118c01	1992	SERPINB1	0.934173	0.0932953	10.1865	10.1624	1.01681
1	hcs118c02	6385	SDC4	0.379896	1.11783	10.233	10.4013	0.889911
3	hcs118c02	6385	SDC4	0.120987	2.60721	10.6876	10.5448	1.10402
5	hcs118c02	6385	SDC4	0.684615	-0.470009	10.9425	11.1362	-1.14367
1	hcs118c03	4835	NQO2	0.996853	-0.0044504	10.1787	10.1779	1.00053
3	hcs118c03	4835	NQO2	0.925247	0.106013	10.3598	10.3369	1.01607
5	hcs118c03	4835	NQO2	0.0642798	-3.75148	10.1999	10.2841	-1.06008
7	hcs118c03	4835	NQO2	0.971758	-0.0399561	9.83551	9.83853	-1.0021
1	hcs118c05	51115	FAM82B	0.379084	1.12021	9.99864	10.0853	0.941683
1	hcs118c06	6607	SMN2	0.422703	0.999863	10.0589	10.15	0.938785
1	hcs118c07	57608	KIAA1462	0.144029	2.34134	9.98705	10.2411	0.838533
3	hcs118c07	57608	KIAA1462	0.986517	0.0190699	10.162	10.1594	1.00182
5	hcs118c07	57608	KIAA1462	0.063209	-3.7864	9.47528	9.6077	-1.09613
7	hcs118c07	57608	KIAA1462	0.39952	-1.06199	9.6385	9.6934	-1.03879
1	hcs118c08	57124	CD248	0.122419	2.58868	10.6814	10.9503	0.829971
3	hcs118c08	57124	CD248	0.180256	-2.02415	10.8761	11.0225	-1.10678
5	hcs118c08	57124	CD248	0.706775	0.433749	10.8038	10.7885	1.01071
7	hcs118c08	57124	CD248	0.260693	1.5527	10.5832	10.4875	1.06858
1	hcs118c09	1293	COL6A3	0.651212	0.526312	10.8512	10.9453	0.936856
3	hcs118c09	1293	COL6A3	0.623387	0.574944	11.0881	11.0189	1.04913
5	hcs118c09	1293	COL6A3	0.0908667	3.0869	10.8876	10.8064	1.05792
7	hcs118c09	1293	COL6A3	0.0539148	4.13057	10.7335	10.6301	1.0743
1	hcs118c11	6117	RPA1	0.928439	0.101463	12.8096	12.8581	0.966919
3	hcs118c11	6117	RPA1	0.641181	0.54365	12.4148	12.1944	1.16503
5	hcs118c11	6117	RPA1	0.516884	0.780337	13.2068	12.9805	1.16978
7	hcs118c11	6117	RPA1	0.429856	-0.981451	12.5366	12.772	-1.17721
1	hcs118c12	10213	PSMD14	0.765741	-0.340775	10.4444	10.4179	1.01856
3	hcs118c12	10213	PSMD14	0.47477	-0.872881	10.2349	10.4021	-1.1229
5	hcs118c12	10213	PSMD14	0.773937	0.328198	10.2961	10.2252	1.05043
7	hcs118c12	10213	PSMD14	0.71503	-0.420442	10.1223	10.1542	-1.02233
3	hcs118d01	26574	AATF	0.310609	-1.34589	9.85332	10.2397	-1.30709
5	hcs118d01	26574	AATF	0.0952044	-3.00478	9.79636	9.98744	-1.14162

1	hcs118d02	55180	LINS	0.404109	1.04938	9.65862	10.0333	0.77128
3	hcs118d02	55180	LINS	0.730118	0.396379	10.2841	10.1925	1.06554
5	hcs118d02	55180	LINS	0.453669	0.922466	9.96088	9.9132	1.0336
7	hcs118d02	55180	LINS	0.464965	0.895629	9.75721	9.52967	1.17084
1	hcs118d03	10384	BTN3A3	0.329682	-1.27746	10.1055	10.0339	1.0509
3	hcs118d03	10384	BTN3A3	0.529831	-0.753385	10.2869	10.3448	-1.04097
5	hcs118d03	10384	BTN3A3	0.175216	2.06282	10.4787	10.3789	1.0716
1	hcs118d04	57805	KIAA1967	0.0720535	3.52097	10.364	10.6719	0.807798
3	hcs118d04	57805	KIAA1967	0.365297	-1.16156	10.6834	10.8417	-1.11594
5	hcs118d04	57805	KIAA1967	0.673401	0.488678	10.7809	10.6706	1.07943
7	hcs118d04	57805	KIAA1967	0.423419	-0.998003	10.1502	10.3184	-1.12371
1	hcs118d05	3831	KLC1	0.45129	0.928206	10.3916	10.4431	0.964933
3	hcs118d05	3831	KLC1	0.753992	-0.358938	10.8871	10.9299	-1.03011
5	hcs118d05	3831	KLC1	0.940527	0.0842562	10.5918	10.5776	1.00984
7	hcs118d05	3831	KLC1	0.20831	-1.83267	10.0605	10.1971	-1.09934
1	hcs118d06	10001	MED6	0.195226	1.91738	11.0709	11.3671	0.814414
3	hcs118d06	10001	MED6	0.654481	0.520708	11.0634	10.9889	1.05297
5	hcs118d06	10001	MED6	0.27255	1.49931	11.2485	11.1073	1.1028
7	hcs118d06	10001	MED6	0.164787	2.14787	10.8864	10.434	1.36831
1	hcs118d07	201931	TMEM192	0.760323	-0.34913	10.33	10.3096	1.01423
3	hcs118d07	201931	TMEM192	0.826488	-0.249162	10.3591	10.3931	-1.02382
5	hcs118d07	201931	TMEM192	0.368472	1.15188	9.84384	9.69208	1.11092
1	hcs118d08	?	?	0.390433	1.08745	10.0543	10.1095	0.962432
3	hcs118d08	?	?	0.39501	-1.07454	10.6019	10.6642	-1.04413
5	hcs118d08	?	?	0.81992	0.258904	10.085	10.0744	1.00738
7	hcs118d08	?	?	0.426913	-0.988984	9.78626	9.82697	-1.02862
1	hcs118d09	51363	CHST15	0.556532	0.699727	13.8289	14.0982	0.829703
3	hcs118d09	51363	CHST15	0.225013	1.73424	13.8821	13.6653	1.16218
5	hcs118d09	51363	CHST15	0.198008	1.89875	14.0521	13.3752	1.5987
7	hcs118d09	51363	CHST15	0.001553	25.3459	14.3001	13.6978	1.51813
1	hcs118d10	9722	NOS1AP	0.718604	0.414711	10.7911	10.8589	0.954114
3	hcs118d10	9722	NOS1AP	0.669825	0.49468	10.8014	10.7664	1.02453
5	hcs118d10	9722	NOS1AP	0.0978906	2.95656	11.2255	10.5603	1.58579
7	hcs118d10	9722	NOS1AP	0.0317725	5.47557	10.9426	10.3551	1.50261
1	hcs118d12	51313	FAM198B	0.403202	1.05185	11.9594	12.1232	0.89265
3	hcs118d12	51313	FAM198B	0.185072	1.98854	12.1586	11.6249	1.44764
5	hcs118d12	51313	FAM198B	0.0229676	6.48424	12.5599	11.95	1.52612
7	hcs118d12	51313	FAM198B	0.144857	2.33289	12.1603	11.6957	1.37993
1	hcs118e01	1803	DPP4	0.915702	-0.119641	10.8455	10.8142	1.02191
3	hcs118e01	1803	DPP4	0.265561	1.53041	11.0134	10.7222	1.22371
5	hcs118e01	1803	DPP4	0.226315	1.72697	11.0074	10.8127	1.14451
7	hcs118e01	1803	DPP4	0.0938674	-3.02951	10.4231	10.5372	-1.08231
1	hcs118e03	23362	PSD3	0.768378	0.33672	10.9673	11.0123	0.969268
3	hcs118e03	23362	PSD3	0.555363	0.702026	11.0823	10.9886	1.06708
5	hcs118e03	23362	PSD3	0.247007	1.61831	10.9386	10.7769	1.11858
7	hcs118e03	23362	PSD3	0.0133044	8.5829	10.8343	10.5115	1.25073
1	hcs118e04	?	?	0.757143	-0.354051	10.1638	10.0621	1.07305

3	hcs118e04	?	?	0.588873	-0.637818	10.6481	10.6998	-1.03653
5	hcs118e04	?	?	0.401018	-1.05785	9.89603	9.9404	-1.03123
7	hcs118e04	?	?	0.882016	0.168028	9.95033	9.90151	1.03441
5	hcs118e06	282809	POC1B	0.436828	0.963825	9.91807	9.78408	1.09733
1	hcs118e08	2131	EXT1	0.323001	1.30087	9.93526	10.1947	0.835406
5	hcs118e08	2131	EXT1	0.284949	-1.44654	10.0661	10.1665	-1.0721
7	hcs118e08	2131	EXT1	0.122183	-2.59172	9.44476	9.76822	-1.25133
1	hcs118e09	5337	PLD1	0.136666	2.41946	10.7872	11.4289	0.640957
3	hcs118e09	5337	PLD1	0.0843202	-3.22204	11.0758	11.3554	-1.21389
5	hcs118e09	5337	PLD1	0.466139	0.892878	11.4637	11.3802	1.05961
7	hcs118e09	5337	PLD1	0.362085	-1.17146	10.9365	11.1942	-1.1956
5	hcs118e10	7431	VIM	0.0615107	3.84359	13.8256	13.525	1.2316
7	hcs118e10	7431	VIM	0.464119	-0.897616	12.9454	13.325	-1.30098
1	hcs118e11	64224	HERPUD2	0.378674	-1.12142	9.73987	9.65114	1.06343
3	hcs118e11	64224	HERPUD2	0.121155	-2.60501	9.82426	10.1786	-1.27836
5	hcs118e11	64224	HERPUD2	0.874454	-0.178965	9.67015	9.68973	-1.01366
7	hcs118e11	64224	HERPUD2	0.663348	0.50561	9.55514	9.53473	1.01425
1	hcs118e12	3431	SP110	0.0913163	-3.07813	9.92406	9.73684	1.13857
3	hcs118e12	3431	SP110	0.162446	-2.16797	9.75627	10.1554	-1.31869
5	hcs118e12	3431	SP110	0.962801	0.052644	9.66824	9.66059	1.00532
7	hcs118e12	3431	SP110	0.369674	1.14824	9.61421	9.50687	1.07724
1	hcs118f01	6533	SLC6A6	0.920229	0.113174	11.0453	11.0622	0.988332
3	hcs118f01	6533	SLC6A6	0.495269	-0.826847	11.2228	11.2741	-1.0362
5	hcs118f01	6533	SLC6A6	0.71036	-0.427957	11.2142	11.2438	-1.02068
7	hcs118f01	6533	SLC6A6	0.940091	0.0848763	10.9352	10.9206	1.01019
3	hcs118f03	80335	WDR82	0.737531	-0.384674	10.5251	10.7562	-1.17372
5	hcs118f03	80335	WDR82	0.235255	1.6785	10.539	10.0357	1.41749
1	hcs118f04	55343	SLC35C1	0.414661	1.02097	10.5076	10.5999	0.938004
3	hcs118f04	55343	SLC35C1	0.951351	0.0688822	10.7259	10.7189	1.00482
5	hcs118f04	55343	SLC35C1	0.390722	1.08663	10.7957	10.6658	1.09424
7	hcs118f04	55343	SLC35C1	0.279766	1.46824	10.1721	10.0993	1.05173
1	hcs118f06			0.190518	1.94974	10.7875	10.816	0.980462
3	hcs118f06			0.329092	-1.27951	11.0163	11.1525	-1.09901
5	hcs118f06			0.608	0.602601	11.1235	11.0757	1.03374
7	hcs118f06			0.664398	0.503834	10.3384	10.2854	1.03736
1	hcs118f09	71	ACTG1	0.114861	2.6901	13.8334	14.0091	0.885317
7	hcs118f09	71	ACTG1	0.484807	-0.850093	14.047	14.3354	-1.22129
1	hcs118f11			0.39383	-1.07785	10.3531	10.3028	1.03547
3	hcs118f11			0.476672	-0.868524	10.2065	10.411	-1.15222
5	hcs118f11			0.990455	0.0134994	10.378	10.3773	1.00049
7	hcs118f11			0.661162	0.509318	10.1119	10.0316	1.05727
1	hcs118f12			0.168822	2.11412	10.2449	10.3042	0.959752
3	hcs118f12			0.513251	-0.788019	10.1995	10.3375	-1.10037
5	hcs118f12			0.254507	1.58179	10.216	10.1104	1.07596
7	hcs118f12			0.11824	2.64363	9.85862	9.76991	1.06342
7	hcs118g01	?	?	0.83358	0.238682	9.72014	9.68469	1.02488
1	hcs118g02	3755	KCNG1	0.419183	1.00905	10.4446	10.6114	0.890837

3	hcs118g02	3755	KCNG1	0.74312	0.375897	10.7736	10.7102	1.0449
5	hcs118g02	3755	KCNG1	0.110976	-2.74596	10.5293	10.6773	-1.10808
7	hcs118g02	3755	KCNG1	0.819953	0.258854	10.2934	10.2752	1.01267
1	hcs118g03	?	?	0.632753	0.558384	10.6723	10.7585	0.942001
3	hcs118g03	?	?	0.0704296	3.56607	11.3271	11.0343	1.22502
5	hcs118g03	?	?	0.896848	0.146661	10.9881	10.9758	1.00859
7	hcs118g03	?	?	0.528316	-0.756505	10.7335	10.8158	-1.05873
1	hcs118g04			0.46225	0.902015	10.0847	10.2303	0.904024
3	hcs118g04			0.84158	-0.226905	10.4862	10.5407	-1.0385
5	hcs118g04			0.168809	-2.11422	10.1147	10.2094	-1.06782
7	hcs118g04			0.494329	0.828914	10.1028	10.0717	1.02177
1	hcs118g05	23541	SEC14L2	0.310984	1.34449	10.2533	10.5172	0.832833
3	hcs118g05	23541	SEC14L2	0.892648	0.152701	10.5991	10.5837	1.01068
5	hcs118g05	23541	SEC14L2	0.461156	-0.904601	10.4827	10.5616	-1.05616
7	hcs118g05	23541	SEC14L2	0.0037612	-16.2595	10.1862	10.2949	-1.07831
1	hcs118g06	?	?	0.385799	1.10069	9.86986	10.01	0.907418
3	hcs118g06	?	?	0.983705	0.0230479	10.4014	10.3987	1.00192
5	hcs118g06	?	?	0.870194	0.18514	9.91083	9.883	1.01948
7	hcs118g06	?	?	0.0716859	-3.53105	9.86393	9.91459	-1.03574
1	hcs118g07	2519	FUCA2	0.804636	0.281716	9.99591	10.0236	0.980987
3	hcs118g07	2519	FUCA2	0.527786	0.757599	10.2278	10.0802	1.10771
5	hcs118g07	2519	FUCA2	0.744132	-0.374312	9.85977	9.8762	-1.01146
7	hcs118g07	2519	FUCA2	0.173031	-2.08007	9.67869	9.79679	-1.0853
1	hcs118g09	51714	SELT	0.991998	-0.0113173	10.579	10.5768	1.00153
3	hcs118g09	51714	SELT	0.243664	1.63505	10.993	10.8858	1.07711
5	hcs118g09	51714	SELT	0.751069	0.363483	10.7935	10.746	1.03347
7	hcs118g09	51714	SELT	0.986002	-0.0197983	10.5491	10.5504	-1.0009
1	hcs118g11			0.601361	-0.614716	10.145	10.1038	1.02896
3	hcs118g11			0.998039	-0.0027734	10.1905	10.1909	-1.00026
5	hcs118g11			0.194744	-1.92065	10.0644	10.1288	-1.04563
7	hcs118g11			0.0479971	4.39851	10.1192	10.0013	1.08517
1	hcs118g12	55181	C17orf71	0.0505426	4.27765	9.68747	9.75417	0.954819
3	hcs118g12	55181	C17orf71	0.232788	-1.69163	9.43728	9.62983	-1.14278
5	hcs118g12	55181	C17orf71	0.383052	1.10863	9.49242	9.37354	1.08589
7	hcs118g12	55181	C17orf71	0.46125	0.904377	9.66224	9.54399	1.08542
1	hcs118h01	?	?	0.108852	2.7777	10.1969	10.3801	0.880747
3	hcs118h01	?	?	0.625607	-0.571	10.5453	10.6858	-1.10229
5	hcs118h01	?	?	0.174402	2.06922	10.6171	10.5204	1.0693
7	hcs118h01	?	?	0.279261	1.47038	10.2299	10.1182	1.0805
1	hcs118h03	8030	CCDC6	0.127855	2.52102	10.4135	10.6816	0.830413
3	hcs118h03	8030	CCDC6	0.698072	0.447893	11.0206	10.9847	1.0252
5	hcs118h03	8030	CCDC6	0.822909	0.254466	10.6768	10.6616	1.01059
7	hcs118h03	8030	CCDC6	0.421207	-1.00376	10.0978	10.1514	-1.03788
1	hcs118h04	10712	FAM189B	0.572999	0.667813	10.6042	10.7059	0.931956
3	hcs118h04	10712	FAM189B	0.793454	-0.298538	11.0366	11.0935	-1.0402
5	hcs118h04	10712	FAM189B	0.233624	1.68716	10.7875	10.6421	1.10601
7	hcs118h04	10712	FAM189B	0.306728	1.36044	10.3287	10.2343	1.06767

1	hcs118h05	8891	EIF2B3	0.202567	1.86895	11.1911	11.2997	0.927509
3	hcs118h05	8891	EIF2B3	0.463133	0.899933	11.4729	11.3725	1.07212
5	hcs118h05	8891	EIF2B3	0.61435	0.591116	11.3367	11.3144	1.01555
7	hcs118h05	8891	EIF2B3	0.057625	-3.98352	10.8478	10.9379	-1.06444
1	hcs118h06			0.331464	1.27132	11.0986	11.265	0.891063
3	hcs118h06			0.843343	0.224315	11.517	11.4852	1.02231
5	hcs118h06			0.604532	0.608916	11.1428	11.1013	1.02916
7	hcs118h06			0.650053	0.528305	10.8202	10.7259	1.06755
1	hcs118h07	55345	C4orf21	0.0216715	6.682	10.8875	10.9947	0.928388
5	hcs118h07	55345	C4orf21	0.544433	-0.723734	10.7243	10.779	-1.03864
7	hcs118h07	55345	C4orf21	0.834344	-0.237556	10.42	10.4575	-1.02633
1	hcs118h08	64844	MARCH7	0.166473	2.13363	10.6165	10.9678	0.783895
3	hcs118h08	64844	MARCH7	0.631083	0.561321	11.2248	11.1703	1.03852
5	hcs118h08	64844	MARCH7	0.394908	-1.07483	10.7929	10.8485	-1.03927
7	hcs118h08	64844	MARCH7	0.591783	0.632397	10.6944	10.5189	1.12933
1	hcs118h09	90203	SNX21	0.277649	1.47725	10.1877	10.4774	0.818091
3	hcs118h09	90203	SNX21	0.495243	-0.826904	10.4483	10.6141	-1.12176
5	hcs118h09	90203	SNX21	0.560731	0.691507	10.3178	10.2492	1.04872
7	hcs118h09	90203	SNX21	0.0633935	3.78033	10.1941	10.1345	1.04219
1	hcs118h10	?	?	0.448002	-0.936195	10.1305	10.004	1.09166
5	hcs118h10	?	?	0.797197	0.292893	10.3028	10.2466	1.03968
1	hcs118h11	29960	FTSJ2	0.08191	-3.27565	10.0513	10.0073	1.03098
3	hcs118h11	29960	FTSJ2	0.384491	-1.10446	9.97368	10.1615	-1.13903
5	hcs118h11	29960	FTSJ2	0.0367687	5.07015	10.214	10.023	1.14158
7	hcs118h11	29960	FTSJ2	0.227374	1.7211	9.8438	9.59725	1.18636
1	hcs118h12			0.225252	1.7329	10.6587	10.7701	0.92569
3	hcs118h12			0.540984	-0.730668	10.59	10.7689	-1.13197
5	hcs118h12			0.718487	0.414899	10.6206	10.5661	1.03855
7	hcs118h12			0.667497	-0.4986	10.4214	10.4466	-1.01762
1	hcs119a01	23168	RTF1	0.892424	0.153023	10.0795	10.1099	0.979153
3	hcs119a01	23168	RTF1	0.52598	-0.761333	10.3682	10.6023	-1.17618
5	hcs119a01	23168	RTF1	0.145362	-2.32779	10.4445	10.5892	-1.10545
7	hcs119a01	23168	RTF1	0.28991	1.42622	10.0227	9.90089	1.08807
1	hcs119a02	284086	NEK8	0.287375	1.43655	10.829	10.9135	0.943111
3	hcs119a02	284086	NEK8	0.797793	-0.291996	11.0788	11.1019	-1.01616
5	hcs119a02	284086	NEK8	0.26531	-1.53155	11.0716	11.1953	-1.08955
7	hcs119a02	284086	NEK8	0.544447	0.723706	10.587	10.4809	1.07629
1	hcs119a03	9610	RIN1	0.839721	-0.229637	11.0657	11.0503	1.01071
3	hcs119a03	9610	RIN1	0.258865	1.5612	11.4038	11.1395	1.20098
5	hcs119a03	9610	RIN1	0.215915	-1.78661	11.0726	11.2053	-1.09639
7	hcs119a03	9610	RIN1	0.110433	-2.75399	10.5851	10.7625	-1.13082
1	hcs119a04	6482	ST3GAL1	0.050047	4.30047	10.6054	10.7794	0.886382
3	hcs119a04	6482	ST3GAL1	0.77489	-0.326739	10.8563	10.928	-1.05098
5	hcs119a04	6482	ST3GAL1	0.564315	0.684537	10.6054	10.4983	1.07711
7	hcs119a04	6482	ST3GAL1	0.507517	0.80025	10.3291	10.173	1.11426
1	hcs119a05	283989	TSEN54	0.847983	-0.217512	11.6218	11.5944	1.0192
3	hcs119a05	283989	TSEN54	0.139689	2.3867	11.5826	11.3452	1.17884



5	hcs119a05	283989	TSEN54	0.300237	1.38529	11.7848	11.4855	1.23055
7	hcs119a05	283989	TSEN54	0.109865	2.76246	11.4556	11.1598	1.22757
1	hcs119a06	?	?	0.351351	1.20529	10.4165	10.5477	0.913072
3	hcs119a06	?	?	0.8394	0.23011	10.7995	10.7911	1.00582
5	hcs119a06	?	?	0.585876	-0.643426	10.552	10.5695	-1.01218
7	hcs119a06	?	?	0.631837	-0.559994	10.1512	10.2001	-1.03442
1	hcs119a07	?	?	0.634124	-0.555976	10.5398	10.4893	1.03562
3	hcs119a07	?	?	0.276462	1.48234	10.8531	10.7218	1.09525
5	hcs119a07	?	?	0.584149	-0.646669	10.3933	10.421	-1.01936
7	hcs119a07	?	?	0.468137	0.888215	10.3478	10.2679	1.05694
1	hcs119a08	1687	DFNA5	0.409611	1.03446	10.9478	11.1515	0.868301
3	hcs119a08	1687	DFNA5	0.597982	-0.620926	11.1198	11.1384	-1.013
5	hcs119a08	1687	DFNA5	0.528913	0.755275	11.0774	11.0498	1.01929
7	hcs119a08	1687	DFNA5	0.390881	1.08618	10.987	10.8372	1.10942
1	hcs119a09	27	ABL2	0.811781	-0.271025	10.5214	10.4903	1.02181
3	hcs119a09	27	ABL2	0.603869	0.610126	10.7894	10.744	1.03199
5	hcs119a09	27	ABL2	0.423578	0.997592	10.2554	10.2273	1.01971
7	hcs119a09	27	ABL2	0.864299	-0.193703	10.0941	10.1043	-1.00709
1	hcs119a10	57403	RAB22A	0.994549	-0.0077095	11.5008	11.5	1.00058
3	hcs119a10	57403	RAB22A	0.860735	-0.198888	11.695	11.7148	-1.01377
5	hcs119a10	57403	RAB22A	0.464636	-0.896399	11.4981	11.5482	-1.03529
7	hcs119a10	57403	RAB22A	0.562891	0.687303	11.4992	11.4642	1.02456
1	hcs119a11	?	?	0.852864	-0.210372	10.796	10.7561	1.02804
3	hcs119a11	?	?	0.548989	-0.714635	10.6995	10.8164	-1.08445
5	hcs119a11	?	?	0.111011	2.74545	11.0484	10.7524	1.22774
7	hcs119a11	?	?	0.61951	0.581859	10.5987	10.5567	1.02954
1	hcs119a12	80162	ATHL1	0.0760934	3.4149	10.3701	10.9507	0.668686
3	hcs119a12	80162	ATHL1	0.378511	-1.1219	10.624	10.8231	-1.14796
5	hcs119a12	80162	ATHL1	0.770419	-0.333587	10.6512	10.7442	-1.06656
7	hcs119a12	80162	ATHL1	0.841765	0.226633	10.5007	10.4661	1.02427
1	hcs119b01	?	?	0.0708731	3.5536	10.3661	10.528	0.893868
3	hcs119b01	?	?	0.13686	-2.41732	10.7625	10.9038	-1.1029
5	hcs119b01	?	?	0.412334	-1.02717	10.4583	10.5713	-1.08152
7	hcs119b01	?	?	0.725339	-0.403966	10.2765	10.3027	-1.01837
1	hcs119b02	10536	LEPREL2	0.777727	0.322407	10.7136	10.782	0.953695
3	hcs119b02	10536	LEPREL2	0.0166856	-7.64435	10.9398	11.0769	-1.09967
5	hcs119b02	10536	LEPREL2	0.134272	-2.44613	10.7159	10.7845	-1.04875
7	hcs119b02	10536	LEPREL2	0.943369	-0.080217	10.5911	10.5954	-1.00296
1	hcs119b03	1938	EEF2	0.909955	0.127863	12.2315	12.2472	0.989177
3	hcs119b03	1938	EEF2	0.564997	-0.683216	12.3043	12.4203	-1.08375
7	hcs119b03	1938	EEF2	0.855595	-0.206383	12.1881	12.2269	-1.02726
1	hcs119b04	10548	TM9SF1	0.288345	-1.43258	10.9542	10.9027	1.03632
3	hcs119b04	10548	TM9SF1	0.325008	1.29378	11.3073	11.2034	1.07465
5	hcs119b04	10548	TM9SF1	0.284299	-1.44923	10.9634	11.0845	-1.08756
7	hcs119b04	10548	TM9SF1	0.425464	-0.992714	10.9224	10.9501	-1.01936
1	hcs119b05	144699	FBXL14	0.278581	1.47327	10.984	11.0854	0.932107
3	hcs119b05	144699	FBXL14	0.882757	-0.166958	11.4156	11.4347	-1.0133

5	hcs119b05	144699	FBXL14	0.200257	-1.88394	11.1191	11.2213	-1.07346
7	hcs119b05	144699	FBXL14	0.773835	-0.328353	10.8043	10.8108	-1.00447
1	hcs119b06	7879	RAB7A	0.96846	0.0446271	11.4052	11.4121	0.995229
3	hcs119b06	7879	RAB7A	0.196739	1.90721	11.7399	11.5979	1.10341
5	hcs119b06	7879	RAB7A	0.180207	2.02452	11.7289	11.5557	1.12756
7	hcs119b06	7879	RAB7A	0.330108	-1.27599	11.122	11.2366	-1.08272
1	hcs119b07			0.429934	0.981253	10.2714	10.4402	0.889562
3	hcs119b07			0.290586	-1.42349	10.5167	10.6092	-1.06622
5	hcs119b07			0.068173	-3.63128	10.3695	10.44	-1.0501
7	hcs119b07			0.264476	-1.53534	10.1127	10.1882	-1.05369
1	hcs119b09	?	?	0.634439	-0.555424	9.78244	9.73689	1.03207
3	hcs119b09	?	?	0.619624	-0.581655	9.78029	9.90513	-1.09038
5	hcs119b09	?	?	0.907416	0.131499	9.74036	9.7233	1.0119
7	hcs119b09	?	?	0.897857	-0.145212	9.54496	9.55518	-1.00711
1	hcs119b10	5570	PKIB	0.118474	-2.64049	10.3559	10.2423	1.0819
5	hcs119b10	5570	PKIB	0.657114	-0.516208	10.1648	10.248	-1.05939
7	hcs119b10	5570	PKIB	0.468975	-0.886267	9.80394	9.98179	-1.1312
1	hcs119b11	26064	RAI14	0.106179	-2.81888	11.4031	11.2464	1.11473
3	hcs119b11	26064	RAI14	0.418473	1.01091	11.2297	10.8863	1.26877
5	hcs119b11	26064	RAI14	0.0964373	2.98241	11.5916	11.2082	1.30444
7	hcs119b11	26064	RAI14	0.583225	0.648408	11.0039	10.9551	1.03445
1	hcs119c01	4660	PPP1R12B	0.0639184	-3.76317	10.8684	10.7181	1.1098
3	hcs119c01	4660	PPP1R12B	0.310116	1.34772	11.1191	10.8709	1.18772
5	hcs119c01	4660	PPP1R12B	0.0208081	6.82375	11.2831	11.0629	1.1649
7	hcs119c01	4660	PPP1R12B	0.0204072	6.89257	10.7118	10.3354	1.29806
1	hcs119c02	8722	CTSF	0.803379	0.283599	10.1005	10.1598	0.959699
3	hcs119c02	8722	CTSF	0.47079	0.882055	10.5427	10.4277	1.08298
5	hcs119c02	8722	CTSF	0.282664	1.45604	10.4901	10.2776	1.15872
7	hcs119c02	8722	CTSF	0.245595	1.62534	10.0946	9.88385	1.15726
5	hcs119c03	27166	PRELID1	0.649561	0.529152	10.4003	10.3289	1.05073
7	hcs119c04	26093	CCDC9	0.0222085	6.59799	10.5503	10.3049	1.1854
1	hcs119c05	9630	GNA14	0.375743	1.13007	9.71339	10.1169	0.756004
3	hcs119c05	9630	GNA14	0.67365	0.488262	10.6259	10.5505	1.05366
5	hcs119c05	9630	GNA14	0.433423	-0.972393	10.2641	10.4172	-1.11194
7	hcs119c05	9630	GNA14	0.603384	0.611012	10.0484	9.97659	1.051
1	hcs119c06	57647	DHX37	0.417217	-1.01422	10.8882	10.7897	1.07064
3	hcs119c06	57647	DHX37	0.243189	1.63745	11.1246	10.9045	1.16479
5	hcs119c06	57647	DHX37	0.119806	2.62273	10.8368	10.7545	1.05873
7	hcs119c06	57647	DHX37	0.444032	0.945928	10.6643	10.4504	1.15985
1	hcs119c07	9231	DLG5	0.273183	-1.49655	10.9072	10.7803	1.09192
3	hcs119c07	9231	DLG5	0.515361	0.783551	11.4697	11.4199	1.03512
5	hcs119c07	9231	DLG5	0.232425	1.69358	10.8976	10.7966	1.07252
7	hcs119c07	9231	DLG5	0.862625	0.196137	10.5408	10.486	1.03876
1	hcs119c08	26001	RNF167	0.447436	-0.937577	10.7384	10.6306	1.07756
3	hcs119c08	26001	RNF167	0.40363	-1.05068	10.6175	10.74	-1.08862
5	hcs119c08	26001	RNF167	0.304493	1.36892	10.6073	10.5393	1.04826
7	hcs119c08	26001	RNF167	0.534647	0.74352	10.2781	10.2297	1.03412

1	hcs119c09	800	CALD1	0.662683	-0.506737	9.87777	9.84493	1.02303
3	hcs119c09	800	CALD1	0.100737	-2.90747	10.085	10.3734	-1.22123
5	hcs119c09	800	CALD1	0.0179057	-7.37243	9.80823	9.96393	-1.11396
7	hcs119c09	800	CALD1	0.979992	0.0283018	9.5972	9.59491	1.00158
1	hcs119c11	?	?	0.16364	2.15766	10.6004	11.2559	0.63487
3	hcs119c11	?	?	0.52092	-0.771865	11.1264	11.2623	-1.09878
5	hcs119c11	?	?	0.807778	0.277009	11.3743	11.2995	1.05324
7	hcs119c11	?	?	0.122948	-2.58192	10.6307	10.9624	-1.25847
1	hcs119c12	27154	BRPF3	0.913044	0.123441	10.0816	10.09	0.994211
3	hcs119c12	27154	BRPF3	0.624092	-0.57369	10.1767	10.3092	-1.09623
5	hcs119c12	27154	BRPF3	0.751662	-0.362561	9.99766	10.0237	-1.01819
7	hcs119c12	27154	BRPF3	0.138338	2.40121	9.87209	9.74816	1.0897
1	hcs119d01	84514	GHDC	0.880913	-0.169621	9.81884	9.80558	1.00924
3	hcs119d01	84514	GHDC	0.289245	-1.42892	10.082	10.4015	-1.24788
5	hcs119d01	84514	GHDC	0.252255	-1.59261	10.0045	10.1312	-1.09176
7	hcs119d01	84514	GHDC	0.291627	1.41929	9.72615	9.55986	1.12217
1	hcs119d02	5498	PPOX	0.184062	-1.99591	9.86141	9.82125	1.02823
3	hcs119d02	5498	PPOX	0.361935	-1.17192	9.97417	10.2029	-1.17183
5	hcs119d02	5498	PPOX	0.166968	-2.12948	9.5654	9.72068	-1.11363
7	hcs119d02	5498	PPOX	0.0027745	18.9453	9.84919	9.7088	1.1022
1	hcs119d04	7334	UBE2N	0.477425	-0.866805	9.83257	9.74617	1.06172
5	hcs119d04	7334	UBE2N	0.765754	0.340755	9.87931	9.83018	1.03464
7	hcs119d04	7334	UBE2N	0.433331	-0.972627	9.68555	9.78886	-1.07423
1	hcs119d05	3927	LASP1	0.818768	0.260616	11.2421	11.2744	0.977883
3	hcs119d05	3927	LASP1	0.247677	1.61499	11.4904	11.308	1.13474
5	hcs119d05	3927	LASP1	0.183405	2.00072	11.5074	11.2469	1.19789
7	hcs119d05	3927	LASP1	0.0301212	5.63089	11.1021	11.0143	1.0628
1	hcs119d06	9526	MPDU1	0.653234	0.522843	10.7789	10.8545	0.948926
3	hcs119d06	9526	MPDU1	0.610365	-0.598312	11.0702	11.0901	-1.01391
5	hcs119d06	9526	MPDU1	0.700648	-0.443694	10.7301	10.7609	-1.02163
7	hcs119d06	9526	MPDU1	0.159871	2.19054	10.5737	10.507	1.04734
3	hcs119d07	23464	GCAT	0.780402	0.318329	10.4772	10.4389	1.02688
5	hcs119d07	23464	GCAT	0.213862	-1.79883	10.1758	10.3523	-1.13012
7	hcs119d07	23464	GCAT	0.655248	-0.519395	9.94869	9.97308	-1.01704
1	hcs119d08	?	?	0.878159	0.173603	10.1997	10.2139	0.990183
3	hcs119d08	?	?	0.479588	-0.86188	10.5063	10.6221	-1.08358
5	hcs119d08	?	?	0.342591	-1.23381	10.2238	10.2856	-1.04374
7	hcs119d08	?	?	0.680384	0.477027	10.0031	9.96952	1.02357
1	hcs119d09	100	ADA	0.246509	1.62078	10.5984	10.7268	0.914846
3	hcs119d09	100	ADA	0.470678	-0.882316	10.7888	10.8848	-1.06886
5	hcs119d09	100	ADA	0.942707	0.0811577	10.7122	10.7047	1.00521
7	hcs119d09	100	ADA	0.197725	1.90063	10.3213	10.261	1.0427
1	hcs119d10	3376	IARS	0.665716	0.501606	10.1113	10.1463	0.976036
3	hcs119d10	3376	IARS	0.253935	-1.58453	10.2092	10.3814	-1.12678
5	hcs119d10	3376	IARS	0.0405662	-4.81263	10.2814	10.5007	-1.16417
7	hcs119d10	3376	IARS	0.618294	0.584034	10.1	10.0776	1.01562
1	hcs119d11	283209	PGM2L1	0.670605	0.493369	10.3432	10.3678	0.983093

3	hcs119d11	283209	PGM2L1	0.588972	-0.637634	10.1264	10.2903	-1.1203
5	hcs119d11	283209	PGM2L1	0.575992	-0.662101	10.2213	10.3281	-1.07682
7	hcs119d11	283209	PGM2L1	0.357232	1.1866	10.1888	10.1351	1.03789
1	hcs119e01	164153	UBL4B	0.87286	-0.181275	10.0409	10.014	1.01882
3	hcs119e01	164153	UBL4B	0.372834	-1.13874	10.3926	10.532	-1.1015
5	hcs119e01	164153	UBL4B	0.997894	0.0029789	9.98914	9.98875	1.00027
7	hcs119e01	164153	UBL4B	0.325923	1.29056	9.74075	9.60673	1.09735
1	hcs119e02	79169	C1orf35	0.514425	-0.785531	10.9189	10.8463	1.05159
3	hcs119e02	79169	C1orf35	0.677299	-0.482163	11.1934	11.2975	-1.07477
5	hcs119e02	79169	C1orf35	0.247928	-1.61375	10.958	11.1009	-1.10415
7	hcs119e02	79169	C1orf35	0.736159	-0.386835	10.4987	10.5234	-1.01722
1	hcs119e03	10769	PLK2	0.854615	0.207814	11.272	11.3262	0.963129
3	hcs119e03	10769	PLK2	0.0303495	5.60867	11.4025	11.35	1.03704
5	hcs119e03	10769	PLK2	0.929964	0.0992903	11.515	11.5002	1.01036
7	hcs119e03	10769	PLK2	0.542761	-0.727091	10.8044	10.9314	-1.092
1	hcs119e04	2889	RAPGEF1	0.685131	0.469156	10.4733	10.5214	0.967231
3	hcs119e04	2889	RAPGEF1	0.531061	0.750856	10.9152	10.8369	1.05575
5	hcs119e04	2889	RAPGEF1	0.564492	0.684194	10.694	10.5806	1.08175
7	hcs119e04	2889	RAPGEF1	0.371308	1.14332	10.353	10.1854	1.12321
1	hcs119e05			0.194049	1.92537	11.8875	11.9874	0.933076
3	hcs119e05			0.507107	0.801132	11.9398	11.8707	1.04906
5	hcs119e05			0.510536	-0.793793	11.9113	11.995	-1.05973
7	hcs119e05			0.0259613	-6.08486	11.3847	11.6888	-1.23465
1	hcs119e06			0.609767	0.599395	11.7052	11.7436	0.973734
3	hcs119e06			0.901368	0.14017	11.9283	11.9065	1.01523
5	hcs119e06			0.939589	-0.085591	11.9594	11.966	-1.00454
7	hcs119e06			0.0378666	-4.99181	11.3548	11.4937	-1.10107
1	hcs119e07	?	?	0.587755	-0.639908	10.4747	10.4041	1.05018
3	hcs119e07	?	?	0.810872	-0.272383	10.8013	10.8536	-1.03696
5	hcs119e07	?	?	0.313431	1.33545	10.2913	10.1816	1.07901
7	hcs119e07	?	?	0.867664	-0.188812	10.1433	10.1659	-1.01576
1	hcs119e08	?	?	0.767852	0.337528	10.3991	10.419	0.986278
3	hcs119e08	?	?	0.853365	0.209639	10.554	10.5358	1.01272
5	hcs119e08	?	?	0.288125	-1.43348	10.3509	10.4727	-1.08814
7	hcs119e08	?	?	0.43988	-0.956203	9.96788	10.0466	-1.05607
1	hcs119e09	90417	C15orf23	0.0872034	-3.16073	10.3722	10.2517	1.08714
3	hcs119e09	90417	C15orf23	0.453191	-0.923617	10.5673	10.6509	-1.05972
5	hcs119e09	90417	C15orf23	0.513038	-0.78847	10.2648	10.3519	-1.06226
7	hcs119e09	90417	C15orf23	0.78755	-0.307468	10.01	10.0225	-1.0087
1	hcs119e10	440	ASNS	0.0595257	3.91341	11.3854	11.9386	0.681491
3	hcs119e10	440	ASNS	0.126621	-2.53602	11.3433	11.6476	-1.23482
5	hcs119e10	440	ASNS	0.223529	-1.74259	11.2538	11.5292	-1.21036
7	hcs119e10	440	ASNS	0.0329015	-5.37607	10.8361	11.5282	-1.61567
1	hcs119e11			0.603339	-0.611095	9.99434	9.84153	1.11173
3	hcs119e11			0.648618	-0.530775	10.3278	10.4167	-1.06353
5	hcs119e11			0.0128697	8.72956	9.94611	9.87849	1.04798
1	hcs119f01	1404	HAPLN1	0.307868	-1.35614	9.79824	9.70416	1.06739

3	hcs119f01	1404	HAPLN1	0.245181	-1.62741	10.1433	10.4495	-1.23646
5	hcs119f01	1404	HAPLN1	0.0509489	-4.25918	10.0032	10.2837	-1.21461
7	hcs119f01	1404	HAPLN1	0.293325	1.41249	9.53669	9.37163	1.12121
1	hcs119f03	?	?	0.791765	-0.301089	11.2752	11.2527	1.01574
3	hcs119f03	?	?	0.0954389	-3.00049	11.4087	11.5456	-1.09951
5	hcs119f03	?	?	0.919438	-0.114303	11.4488	11.4561	-1.00507
7	hcs119f03	?	?	0.236271	-1.67315	11.1416	11.2216	-1.05699
1	hcs119f04	27338	UBE2S	0.649464	0.529318	10.0879	10.123	0.975985
3	hcs119f04	27338	UBE2S	0.316989	-1.32244	10.2307	10.4827	-1.19083
5	hcs119f04	27338	UBE2S	0.76106	-0.347991	10.1542	10.198	-1.03088
7	hcs119f04	27338	UBE2S	0.371364	1.14315	9.91479	9.90372	1.0077
1	hcs119f05	?	?	0.428232	0.985601	10.1132	10.1732	0.95924
3	hcs119f05	?	?	0.176212	-2.05506	10.3975	10.5603	-1.11949
5	hcs119f05	?	?	0.296768	-1.39884	10.1675	10.2323	-1.04592
7	hcs119f05	?	?	0.206439	-1.84434	9.79309	9.8812	-1.06297
1	hcs119f06	1978	EIF4EBP1	0.553597	0.705506	11.8462	11.9768	0.913473
3	hcs119f06	1978	EIF4EBP1	0.66895	-0.496151	12.044	12.0798	-1.02513
5	hcs119f06	1978	EIF4EBP1	0.851541	-0.212306	12.0217	12.0427	-1.01469
7	hcs119f06	1978	EIF4EBP1	0.469169	-0.885815	11.5808	11.7415	-1.11783
1	hcs119f07	5684	PSMA3	0.828018	0.246898	10.9055	10.9246	0.986848
3	hcs119f07	5684	PSMA3	0.782824	0.314643	10.8134	10.7936	1.01387
5	hcs119f07	5684	PSMA3	0.878931	-0.172486	10.9177	10.9388	-1.01469
7	hcs119f07	5684	PSMA3	0.326388	1.28893	10.4496	10.2981	1.11072
1	hcs119f08	10645	CAMKK2	0.927956	-0.102151	10.3592	10.3425	1.01163
3	hcs119f08	10645	CAMKK2	0.335527	-1.25745	10.4209	10.5483	-1.09237
5	hcs119f08	10645	CAMKK2	0.603498	-0.610804	10.3842	10.4555	-1.05064
7	hcs119f08	10645	CAMKK2	0.239903	1.65424	10.0933	10.0199	1.05222
1	hcs119f09	?	?	0.835385	-0.23602	10.6464	10.6227	1.01654
3	hcs119f09	?	?	0.944877	-0.0780749	10.714	10.7291	-1.01054
5	hcs119f09	?	?	0.709811	0.428843	10.7209	10.681	1.02804
7	hcs119f09	?	?	0.182243	2.00931	10.4478	10.2768	1.12586
1	hcs119f10	285527	FRYL	0.618199	-0.584205	10.0583	10.0237	1.02425
3	hcs119f10	285527	FRYL	0.7534	-0.359858	10.1562	10.2656	-1.07882
5	hcs119f10	285527	FRYL	0.264559	-1.53496	9.99221	10.1229	-1.09479
7	hcs119f10	285527	FRYL	0.884996	-0.163726	9.66535	9.67582	-1.00728
1	hcs119f11	6897	TARS	0.63936	0.546821	10.3236	10.4087	0.942741
3	hcs119f11	6897	TARS	0.405844	-1.04465	10.3053	10.5563	-1.18997
5	hcs119f11	6897	TARS	0.822647	0.254855	10.4168	10.3637	1.03752
7	hcs119f11	6897	TARS	0.391559	1.08426	10.1932	10.1438	1.03483
1	hcs119g01	3163	HMOX2	0.504622	0.80648	10.44	10.5217	0.944957
3	hcs119g01	3163	HMOX2	0.100019	-2.91967	10.7467	10.8115	-1.04599
5	hcs119g01	3163	HMOX2	0.805843	-0.279906	10.7273	10.7729	-1.03211
7	hcs119g01	3163	HMOX2	0.0162852	7.74013	10.1116	9.90259	1.1559
1	hcs119g02	55035	NOL8	0.231384	-1.69918	10.0617	10.0131	1.03425
3	hcs119g02	55035	NOL8	0.806517	0.278896	10.6382	10.5885	1.03505
5	hcs119g02	55035	NOL8	0.821251	-0.256928	10.0594	10.118	-1.04147
7	hcs119g02	55035	NOL8	0.939008	-0.0864161	9.57194	9.5789	-1.00484

1	hcs119g03	147179	WIPF2	0.106108	-2.81999	10.1355	10.0518	1.05976
3	hcs119g03	147179	WIPF2	0.370081	1.14701	10.6636	10.5172	1.1068
5	hcs119g03	147179	WIPF2	0.920364	0.112981	10.6372	10.6082	1.02033
7	hcs119g03	147179	WIPF2	0.470016	0.88385	10.0995	9.96842	1.09513
1	hcs119g04	8890	EIF2B4	0.93031	0.0987974	10.2092	10.2286	0.986618
3	hcs119g04	8890	EIF2B4	0.961932	0.0538757	10.5922	10.5817	1.00726
5	hcs119g04	8890	EIF2B4	0.64773	0.532307	10.2038	10.137	1.04742
7	hcs119g04	8890	EIF2B4	0.0032596	17.4724	10.047	9.89716	1.10944
1	hcs119g05	51726	DNAJB11	0.302502	-1.37654	11.0615	10.9774	1.06003
3	hcs119g05	51726	DNAJB11	0.620104	0.580796	11.3541	11.2782	1.05404
5	hcs119g05	51726	DNAJB11	0.127625	2.52379	11.2266	11.11	1.08418
7	hcs119g05	51726	DNAJB11	0.30853	1.35365	10.9692	10.883	1.06155
1	hcs119g06	5393	EXOSC9	0.777805	-0.322287	10.8842	10.8672	1.01188
3	hcs119g06	5393	EXOSC9	0.256259	1.57346	11.4362	11.3349	1.07271
5	hcs119g06	5393	EXOSC9	0.801225	-0.286834	11.0624	11.1114	-1.03457
7	hcs119g06	5393	EXOSC9	0.271352	1.50457	10.3706	10.3145	1.03968
1	hcs119g07	1937	EEF1G	0.249184	1.60756	10.6998	10.898	0.871658
3	hcs119g07	1937	EEF1G	0.932865	0.0951583	11.2677	11.2578	1.00691
5	hcs119g07	1937	EEF1G	0.0396729	-4.86993	10.656	10.727	-1.05047
7	hcs119g07	1937	EEF1G	0.792245	0.300363	10.5571	10.5147	1.02978
1	hcs119g08	131566	DCBLD2	0.160157	-2.18801	11.8495	11.7532	1.06903
3	hcs119g08	131566	DCBLD2	0.176459	2.05315	12.1059	11.6815	1.34205
5	hcs119g08	131566	DCBLD2	0.136435	2.422	12.4334	11.8304	1.51891
7	hcs119g08	131566	DCBLD2	0.429998	-0.981088	11.4134	11.5722	-1.11636
1	hcs119g09			0.40185	1.05556	9.74838	9.90638	0.896269
3	hcs119g09			0.48219	-0.855989	10.353	10.4761	-1.08908
5	hcs119g09			0.533099	-0.746682	9.85039	9.92419	-1.05248
7	hcs119g09			0.598281	0.620374	9.80536	9.72841	1.05478
1	hcs119g10	26010	SPATS2L	0.508479	0.798188	10.0829	10.2005	0.921743
5	hcs119g10	26010	SPATS2L	0.058012	-3.96897	10.1608	10.2622	-1.07286
7	hcs119g10	26010	SPATS2L	0.933664	0.0940205	9.76568	9.76016	1.00384
1	hcs119g11	6594	SMARCA1	0.367797	1.15393	9.74568	9.79686	0.965149
3	hcs119g11	6594	SMARCA1	0.21875	-1.76998	10.5844	10.6649	-1.05745
5	hcs119g11	6594	SMARCA1	0.732281	-0.392955	9.81108	9.8454	-1.02408
7	hcs119g11	6594	SMARCA1	0.717372	0.416686	9.61606	9.58923	1.01877
1	hcs119h01	55781	RIOK2	0.981473	0.0262061	10.5502	10.5541	0.997308
5	hcs119h01	55781	RIOK2	0.0297982	-5.66274	10.6986	10.8625	-1.12031
7	hcs119h01	55781	RIOK2	0.465377	0.894662	10.5345	10.4823	1.03689
1	hcs119h02	283208	P4HA3	0.141046	2.3723	10.2088	10.329	0.920039
3	hcs119h02	283208	P4HA3	0.763341	-0.344472	10.3299	10.4205	-1.06481
5	hcs119h02	283208	P4HA3	0.90776	-0.131005	10.3316	10.3503	-1.013
7	hcs119h02	283208	P4HA3	0.472234	-0.878718	10.0133	10.1058	-1.06623
1	hcs119h03	5228	PGF	0.655379	0.519172	9.77677	9.81456	0.974144
3	hcs119h03	5228	PGF	0.242307	-1.64193	10.1485	10.664	-1.42944
5	hcs119h03	5228	PGF	0.36915	1.14983	9.75502	9.65808	1.0695
7	hcs119h03	5228	PGF	0.584381	0.646233	9.63442	9.53618	1.07046
1	hcs119h04	?	?	0.156733	2.21873	10.5128	10.7561	0.844811

3	hcs119h04	?	?	0.547372	-0.717857	10.8827	10.988	-1.07567
5	hcs119h04	?	?	0.758747	-0.351567	10.6675	10.7368	-1.04916
7	hcs119h04	?	?	0.10221	2.88283	10.5003	10.4288	1.05081
1	hcs119h05	51550	CINP	0.0775564	3.37846	10.6108	10.7557	0.904463
3	hcs119h05	51550	CINP	0.992382	-0.0107743	10.894	10.8965	-1.00171
5	hcs119h05	51550	CINP	0.636943	0.55104	10.7757	10.7288	1.03307
7	hcs119h05	51550	CINP	0.455274	-0.91861	10.4641	10.4906	-1.01851
1	hcs119h07	8563	THOC5	0.176124	2.05575	11.4305	11.822	0.762354
3	hcs119h07	8563	THOC5	0.53948	0.733705	11.4945	11.3353	1.11667
5	hcs119h07	8563	THOC5	0.109161	2.77302	11.8899	11.5258	1.28708
7	hcs119h07	8563	THOC5	0.0784261	3.35727	11.6484	11.1501	1.41255
1	hcs119h08	8761	PABPC4	0.267792	1.52038	10.9203	11.1276	0.866177
3	hcs119h08	8761	PABPC4	0.514887	-0.784553	10.9531	11.1304	-1.13079
5	hcs119h08	8761	PABPC4	0.45502	-0.919219	11.0592	11.2123	-1.11201
7	hcs119h08	8761	PABPC4	0.0498885	-4.30784	10.5672	10.7779	-1.15725
1	hcs119h09	5217	PFN2	0.479097	0.862997	10.5879	10.7912	0.868582
3	hcs119h09	5217	PFN2	0.07536	-3.43354	10.4519	10.8687	-1.33499
5	hcs119h09	5217	PFN2	0.142992	-2.352	10.4441	10.7498	-1.23608
7	hcs119h09	5217	PFN2	0.0987235	-2.94198	10.0311	10.5779	-1.46081
1	hcs119h10	126119	JOSD2	0.0769181	3.39424	10.725	10.7621	0.974589
3	hcs119h10	126119	JOSD2	0.794198	-0.297415	10.6134	10.704	-1.06481
5	hcs119h10	126119	JOSD2	0.956185	-0.0620236	10.7754	10.7875	-1.00847
7	hcs119h10	126119	JOSD2	0.0443913	4.58675	10.4429	10.3605	1.05875
1	hcs119h11	?	?	0.71319	-0.423399	10.757	10.6592	1.07017
3	hcs119h11	?	?	0.880731	-0.169884	10.5716	10.5903	-1.01307
5	hcs119h11	?	?	0.261107	1.55078	11.1984	10.6341	1.47864
7	hcs119h11	?	?	0.312892	1.33743	11.4164	10.4754	1.91986
1	hcs119h12	?	?	0.567829	0.677742	10.4004	10.4522	0.964732
5	hcs119h12	?	?	0.703591	-0.438909	10.2631	10.3785	-1.08326
7	hcs119h12	?	?	0.38216	1.11122	10.2863	10.2442	1.02962
5	hcs120a04	55075	UACA	0.0126208	8.81689	10.9002	10.4734	1.34421
3	hcs120a05	3909	LAMA3	0.630706	0.561985	10.6512	10.4697	1.13404
3	hcs120a06	6782	HSPA13	0.523779	0.765904	10.7655	10.619	1.10687
5	hcs120a06	6782	HSPA13	0.440994	-0.953435	9.96801	10.7613	-1.73308
1	hcs120a07	10351	ABCA8	0.330074	-1.27611	10.0206	9.54269	1.39272
1	hcs120a10	57730	ANKRD36B	0.278506	-1.47359	9.84935	9.68049	1.12417
3	hcs120a10	57730	ANKRD36B	0.392183	-1.08249	10.1559	10.3733	-1.16262
5	hcs120a10	57730	ANKRD36B	0.59204	0.63192	9.84017	9.57722	1.19993
5	hcs120a12	4729	NDUFV2	0.139646	2.38715	9.76767	9.40534	1.28551
3	hcs120b02	8681	JMJD7-PLA	0.318368	-1.31745	10.1953	10.2913	-1.06885
5	hcs120b04			0.588	0.639449	9.40226	9.31732	1.06065
7	hcs120b04			0.772681	0.330121	9.69678	9.66822	1.01999
5	hcs120b08	2585	GALK2	0.270686	1.50751	8.98777	8.86118	1.09171
1	hcs120b09	2792	GNGT1	0.366012	-1.15938	10.0281	9.83973	1.13948
3	hcs120b09	2792	GNGT1	0.426475	-0.990112	9.92641	10.0543	-1.09273
5	hcs120b09	2792	GNGT1	0.95518	0.0634491	9.53866	9.52892	1.00677
7	hcs120b09	2792	GNGT1	0.130998	-2.4837	9.41701	9.58407	-1.12277

1	hcs120b10	3074	HEXB	0.65557	-0.518844	10.2968	10.2246	1.05129
3	hcs120b10	3074	HEXB	0.682283	-0.473874	10.1901	10.2664	-1.05434
5	hcs120b10	3074	HEXB	0.956218	-0.0619766	10.041	10.0511	-1.00698
7	hcs120b10	3074	HEXB	0.0823126	-3.26654	9.76	10.0535	-1.22558
1	hcs120b11	83877	TM2D2	0.050154	-4.29551	10.3102	10.2107	1.07141
3	hcs120b11	83877	TM2D2	0.34809	-1.2158	10.1917	10.3904	-1.14771
5	hcs120b11	83877	TM2D2	0.0304485	-5.59912	10.0714	10.2265	-1.11349
7	hcs120b11	83877	TM2D2	0.317738	1.31973	10.0787	9.98602	1.06633
1	hcs120b12	?	?	0.465017	0.895507	11.0453	11.2409	0.87323
3	hcs120b12	?	?	0.264292	-1.53617	10.8359	11.0411	-1.15282
5	hcs120b12	?	?	0.277843	-1.47642	11.1543	11.3593	-1.15269
7	hcs120b12	?	?	0.360169	-1.17741	10.6399	10.8854	-1.18553
1	hcs120c02	3837	KPNB1	0.144165	-2.33994	10.7686	10.3961	1.29456
3	hcs120c02	3837	KPNB1	0.943602	-0.0798861	10.6935	10.7127	-1.01336
5	hcs120c02	3837	KPNB1	0.850108	0.214401	10.338	10.3092	1.02014
7	hcs120c02	3837	KPNB1	0.724354	-0.405533	9.94191	9.99771	-1.03943
1	hcs120c03	57521	RPTOR	0.730542	0.395708	10.3097	10.3979	0.940692
3	hcs120c03	57521	RPTOR	0.823093	-0.254194	10.6264	10.6624	-1.02529
5	hcs120c03	57521	RPTOR	0.653525	-0.522344	10.5633	10.6032	-1.02804
7	hcs120c03	57521	RPTOR	0.162788	2.16501	9.9902	9.75086	1.18045
1	hcs120c04	4760	NEUROD1	0.459074	0.909536	9.96903	10.2001	0.851981
3	hcs120c04	4760	NEUROD1	0.767904	0.337448	10.3471	10.2714	1.05386
5	hcs120c04	4760	NEUROD1	0.83029	-0.243539	10.1714	10.2127	-1.029
7	hcs120c04	4760	NEUROD1	0.474147	0.874311	10.2142	10.102	1.08088
5	hcs120c05	?	?	0.452902	-0.924313	9.35202	9.83839	-1.40092
1	hcs120c07	9240	PNMA1	0.116389	-2.66886	10.524	10.271	1.19168
3	hcs120c07	9240	PNMA1	0.192482	1.93611	10.6888	10.5803	1.07817
5	hcs120c07	9240	PNMA1	0.286073	1.4419	10.1912	10.0779	1.08171
7	hcs120c07	9240	PNMA1	0.630968	0.561524	10.1003	10.013	1.06238
3	hcs120c08	7311	UBA52	0.331471	1.27129	12.5196	12.4692	1.0355
5	hcs120c08	7311	UBA52	0.793882	-0.297891	12.5389	12.5618	-1.01602
7	hcs120c08	7311	UBA52	0.184728	-1.99104	12.1865	12.4317	-1.18531
1	hcs120c12	9325	TRIP4	0.73875	-0.382755	9.78837	9.75815	1.02117
3	hcs120c12	9325	TRIP4	0.158964	-2.19861	9.80589	10.166	-1.28354
5	hcs120c12	9325	TRIP4	0.972331	-0.0391447	9.68587	9.69114	-1.00366
7	hcs120c12	9325	TRIP4	0.495532	0.826268	9.54551	9.49076	1.03868
1	hcs120d01			0.694246	0.45415	11.4144	11.4917	0.947852
3	hcs120d01			0.22746	-1.72062	11.8421	12.016	-1.12813
5	hcs120d01			0.107388	-2.80008	11.6789	11.7876	-1.07831
7	hcs120d01			0.853833	-0.208956	11.3664	11.4211	-1.03869
1	hcs120d02	58473	PLEKHB1	0.0782426	3.36171	10.2207	10.3679	0.903014
3	hcs120d02	58473	PLEKHB1	0.269997	1.51056	10.834	10.7625	1.05078
5	hcs120d02	58473	PLEKHB1	0.0033543	17.2227	10.8413	10.5465	1.22677
7	hcs120d02	58473	PLEKHB1	0.0132726	8.59342	10.6417	10.2482	1.31364
1	hcs120d04	57210	SLC45A4	0.671332	0.492147	9.81503	9.8282	0.990913
3	hcs120d04	57210	SLC45A4	0.174648	-2.06728	10.1155	10.4459	-1.2573
5	hcs120d04	57210	SLC45A4	0.648529	0.530929	9.9361	9.87012	1.0468



7	hcs120d04	57210	SLC45A4	0.271148	1.50547	9.71062	9.66761	1.03026
1	hcs120d05	5936	RBM4	0.209667	-1.82429	10.624	10.4971	1.09197
3	hcs120d05	5936	RBM4	0.396883	1.06931	10.8172	10.6461	1.12592
5	hcs120d05	5936	RBM4	0.11234	2.72605	10.6674	10.3458	1.24966
7	hcs120d05	5936	RBM4	0.399785	1.06125	10.3364	10.2921	1.03121
1	hcs120d06	51111	SUV420H1	0.39718	-1.06848	9.90238	9.82447	1.05549
3	hcs120d06	51111	SUV420H1	0.702601	-0.440517	10.2059	10.2768	-1.05038
5	hcs120d06	51111	SUV420H1	0.252271	-1.59253	9.72462	9.88519	-1.11773
7	hcs120d06	51111	SUV420H1	0.354667	1.19471	9.59671	9.51311	1.05966
1	hcs120d07	79176	FBXL15	0.71017	0.428263	10.9818	11.0556	0.950154
3	hcs120d07	79176	FBXL15	0.912029	0.124894	10.9512	10.9389	1.00852
5	hcs120d07	79176	FBXL15	0.518229	-0.777506	10.6587	10.7157	-1.04032
7	hcs120d07	79176	FBXL15	0.349661	1.21072	10.7674	10.712	1.03912
1	hcs120d08	?	?	0.588969	0.63764	10.4173	10.4507	0.977115
5	hcs120d08	?	?	0.323457	-1.29926	10.492	10.5692	-1.05494
7	hcs120d08	?	?	0.914095	0.121938	10.2106	10.2018	1.00611
1	hcs120d09	57038	RARS2	0.514498	-0.785375	10.1432	10.1046	1.02713
3	hcs120d09	57038	RARS2	0.760285	0.349189	10.4954	10.449	1.0327
5	hcs120d09	57038	RARS2	0.906777	0.132415	10.0347	10.0272	1.00522
7	hcs120d09	57038	RARS2	0.0533461	4.15442	9.80667	9.70393	1.07381
1	hcs120d10	?	?	0.471174	-0.881168	9.94753	9.83511	1.08104
3	hcs120d10	?	?	0.253788	-1.58523	9.98453	10.2797	-1.22704
5	hcs120d10	?	?	0.127456	-2.52584	9.7024	10.0052	-1.23349
7	hcs120d10	?	?	0.921348	0.111577	9.63874	9.63209	1.00462
1	hcs120d11			0.639181	0.547132	9.90707	9.95248	0.969012
3	hcs120d11			0.219144	-1.76769	9.86892	10.1474	-1.21294
5	hcs120d11			0.0792705	-3.33701	9.60608	9.86953	-1.20035
7	hcs120d11			0.501524	-0.813184	9.64852	9.70587	-1.04055
1	hcs120d12	6668	SP2	0.715841	0.41914	10.403	10.489	0.942109
5	hcs120d12	6668	SP2	0.981928	0.0255623	10.3068	10.3031	1.00261
7	hcs120d12	6668	SP2	0.0318729	5.46651	10.2071	10.1092	1.07017
7	hcs120e01	54927	CHCHD3	0.245985	-1.6234	11.8539	12.2072	-1.27745
1	hcs120e02	29098	RANGRF	0.50575	-0.804047	10.9429	10.8427	1.0719
3	hcs120e02	29098	RANGRF	0.406689	-1.04235	10.8119	11.0484	-1.1781
5	hcs120e02	29098	RANGRF	0.74358	-0.375177	10.7031	10.743	-1.02804
7	hcs120e02	29098	RANGRF	0.771843	-0.331403	10.2693	10.3008	-1.02206
1	hcs120e06	10474	TADA3	0.271878	-1.50226	11.2408	11.0967	1.10502
3	hcs120e06	10474	TADA3	0.288377	-1.43245	11.067	11.1448	-1.05541
5	hcs120e06	10474	TADA3	0.570472	0.672656	10.6921	10.6021	1.06437
7	hcs120e06	10474	TADA3	0.56833	-0.676776	10.5413	10.5947	-1.03766
3	hcs120e07	1406	CRX	0.879549	0.171593	11.293	11.2559	1.02605
5	hcs120e07	1406	CRX	0.0329814	-5.36922	10.8907	11.0021	-1.08033
7	hcs120e07	1406	CRX	0.409845	1.03384	10.9061	10.7851	1.08754
1	hcs120e08	8050	PDHX	0.833756	-0.238422	10.4293	10.4228	1.00454
3	hcs120e08	8050	PDHX	0.667866	0.497977	10.7883	10.6971	1.06531
5	hcs120e08	8050	PDHX	0.289907	-1.42623	10.2728	10.37	-1.06973
7	hcs120e08	8050	PDHX	0.208905	-1.82898	9.89649	10.0665	-1.1251

1	hcs120e09	?	?	0.609727	0.599468	10.4735	10.6325	0.895654
3	hcs120e09	?	?	0.623126	0.575408	11.281	11.178	1.07405
5	hcs120e09	?	?	0.118832	-2.63568	10.5392	10.7672	-1.17118
7	hcs120e09	?	?	0.272185	-1.50091	10.0323	10.2361	-1.15169
1	hcs120e10	6949	TCOF1	0.555978	0.700816	10.2596	10.4148	0.898008
3	hcs120e10	6949	TCOF1	0.337165	-1.25191	10.7463	10.8863	-1.10193
5	hcs120e10	6949	TCOF1	0.325589	-1.29174	10.3146	10.4272	-1.0812
7	hcs120e10	6949	TCOF1	0.710529	0.427684	10.1288	10.0889	1.02804
1	hcs120e11	253943	YTHDF3	0.282815	-1.45541	9.77403	9.66087	1.08159
5	hcs120e11	253943	YTHDF3	0.834515	0.237304	9.51808	9.47216	1.03234
1	hcs120e12	285359	LOC285359	0.704198	0.437925	12.9348	13.0192	0.943198
5	hcs120e12	285359	LOC285359	0.365901	-1.15971	12.7263	12.9103	-1.13606
7	hcs120e12	285359	LOC285359	0.446577	-0.939678	11.8917	12.1895	-1.22921
1	hcs120f01	27250	PDCD4	0.00874421	10.6237	9.94651	10.0401	0.937177
3	hcs120f01	27250	PDCD4	0.520872	-0.771966	10.0438	10.3127	-1.20484
5	hcs120f01	27250	PDCD4	0.341038	-1.23896	10.3948	10.5783	-1.13558
7	hcs120f01	27250	PDCD4	0.741029	-0.379175	9.77016	9.79227	-1.01545
1	hcs120f02	?	?	0.769105	0.335603	10.2215	10.2417	0.986091
3	hcs120f02	?	?	0.458445	-0.911033	10.2223	10.4407	-1.16344
5	hcs120f02	?	?	0.757838	0.352975	10.3807	10.3522	1.02
7	hcs120f02	?	?	0.163752	-2.1567	10.078	10.1488	-1.05029
1	hcs120f03	200424	TET3	0.966892	0.0468471	10.3632	10.3686	0.996234
3	hcs120f03	200424	TET3	0.367302	-1.15544	10.6673	10.8123	-1.10576
5	hcs120f03	200424	TET3	0.318604	1.3166	10.3008	10.2754	1.01781
7	hcs120f03	200424	TET3	0.0617075	3.83685	9.87692	9.83599	1.02878
1	hcs120f04	57522	SRGAP1	0.156445	2.22137	10.1861	10.3182	0.912506
3	hcs120f04	57522	SRGAP1	0.98492	0.0213285	10.3794	10.3745	1.00343
5	hcs120f04	57522	SRGAP1	0.524737	0.763912	10.4575	10.3822	1.0536
7	hcs120f04	57522	SRGAP1	0.0535185	4.14715	10.1802	10.0166	1.12012
1	hcs120f05	?	?	0.788124	0.306598	10.5802	10.6336	0.96364
3	hcs120f05	?	?	0.495904	0.825452	10.843	10.6854	1.1154
5	hcs120f05	?	?	0.0572633	3.99724	10.967	10.7313	1.17751
7	hcs120f05	?	?	0.321106	1.30762	10.5595	10.4832	1.05426
1	hcs120f06	7837	PXDN	0.194378	-1.92314	10.012	9.88285	1.09365
3	hcs120f06	7837	PXDN	0.0462585	-4.48659	9.82817	10.073	-1.18491
5	hcs120f06	7837	PXDN	0.931051	-0.0977408	9.87523	9.90158	-1.01844
1	hcs120f07	?	?	0.816039	0.264677	11.3459	11.3847	0.973442
3	hcs120f07	?	?	0.578846	-0.65668	11.5387	11.5551	-1.01148
5	hcs120f07	?	?	0.453845	-0.922042	11.3768	11.4411	-1.04553
7	hcs120f07	?	?	0.962074	-0.0536734	10.9948	10.9987	-1.00273
1	hcs120f09	9671	WSCD2	0.481273	0.85806	10.0375	10.0658	0.980568
3	hcs120f09	9671	WSCD2	0.612369	-0.594689	10.1272	10.2907	-1.12003
5	hcs120f09	9671	WSCD2	0.74855	-0.367408	10.0508	10.0806	-1.02088
7	hcs120f09	9671	WSCD2	0.272108	1.50125	9.87979	9.72505	1.11322
1	hcs120f10	286262	TPRN	0.0531621	-4.16222	10.2545	10.1706	1.0599
3	hcs120f10	286262	TPRN	0.803906	-0.28281	10.2247	10.3131	-1.06324
5	hcs120f10	286262	TPRN	0.62685	0.568798	10.3419	10.2028	1.1012

7	hcs120f10	286262	TPRN	0.124312	2.56464	10.0227	9.80552	1.16248
1	hcs120f11	25	ABL1	0.418055	1.01201	10.9206	11.0558	0.910564
3	hcs120f11	25	ABL1	0.493909	-0.829841	11.0163	11.1506	-1.09756
5	hcs120f11	25	ABL1	0.285114	-1.44585	10.9824	11.0891	-1.07676
7	hcs120f11	25	ABL1	0.474524	-0.873446	10.8087	10.8413	-1.02283
1	hcs120f12	5575	PRKAR1B	0.776049	0.324968	9.67911	9.72541	0.968419
3	hcs120f12	5575	PRKAR1B	0.0768962	-3.39478	9.71184	9.95882	-1.18671
5	hcs120f12	5575	PRKAR1B	0.219309	-1.76673	9.55361	9.76948	-1.16141
7	hcs120f12	5575	PRKAR1B	0.303074	1.37434	9.64188	9.50585	1.09888
1	hcs120g02	1642	DDB1	0.278003	-1.47574	13.0577	12.5766	1.39581
3	hcs120g02	1642	DDB1	0.175133	2.06347	13.2624	12.5667	1.61967
5	hcs120g02	1642	DDB1	0.1484	2.29753	13.2538	12.3418	1.88161
7	hcs120g02	1642	DDB1	0.173071	2.07974	12.9311	12.3317	1.51512
1	hcs120g03	55454	CSGALNAC <sup>-</sup>	0.865489	-0.191973	10.3902	10.3706	1.01371
3	hcs120g03	55454	CSGALNAC <sup>-</sup>	0.983236	0.0237113	11.2867	11.2844	1.00155
5	hcs120g03	55454	CSGALNAC <sup>-</sup>	0.458134	-0.911773	10.7633	10.9386	-1.1292
7	hcs120g03	55454	CSGALNAC <sup>-</sup>	0.150973	-2.27256	10.1475	10.4736	-1.25365
1	hcs120g04	902	CCNH	0.205428	1.85071	10.7495	10.9078	0.896091
3	hcs120g04	902	CCNH	0.0156394	7.90223	11.3573	11.1299	1.17075
5	hcs120g04	902	CCNH	0.738268	0.383514	10.565	10.4738	1.06524
7	hcs120g04	902	CCNH	0.3223	-1.30336	10.2383	10.4389	-1.14921
1	hcs120g08	6405	SEMA3F	0.195526	1.91536	10.4102	10.7441	0.793389
3	hcs120g08	6405	SEMA3F	0.134235	-2.44654	10.729	10.8217	-1.06631
5	hcs120g08	6405	SEMA3F	0.52635	-0.760567	10.6699	10.7098	-1.028
7	hcs120g08	6405	SEMA3F	0.725431	0.403819	10.4399	10.4	1.02802
1	hcs120g09	9230	RAB11B	0.194181	-1.92447	11.1231	10.63	1.40751
5	hcs120g09	9230	RAB11B	0.184563	1.99224	11.0865	10.3105	1.7124
7	hcs120g09	9230	RAB11B	0.213977	1.79814	10.9664	10.521	1.36174
1	hcs120g10	404093	CUEDC1	0.150129	2.28069	10.2176	10.3871	0.889171
3	hcs120g10	404093	CUEDC1	0.899764	-0.142472	10.3851	10.4138	-1.02012
5	hcs120g10	404093	CUEDC1	0.133845	2.45095	10.3033	10.1757	1.09253
7	hcs120g10	404093	CUEDC1	0.143966	2.34198	9.91168	9.7064	1.15291
1	hcs120g12	56344	CABP5	0.325745	1.29119	10.0243	10.2427	0.859508
3	hcs120g12	56344	CABP5	0.764858	0.342135	10.277	10.2542	1.01588
5	hcs120g12	56344	CABP5	0.501071	0.814167	10.1813	10.1535	1.01942
7	hcs120g12	56344	CABP5	0.93109	0.0976857	10.0073	10.0034	1.00272
1	hcs120h01	83546	RTBDN	0.77046	0.333524	10.0676	10.0962	0.98036
3	hcs120h01	83546	RTBDN	0.379856	-1.11795	10.2523	10.6741	-1.33959
5	hcs120h01	83546	RTBDN	0.118238	-2.64366	10.0897	10.2448	-1.11351
1	hcs120h02	1259	CNGA1	0.246599	1.62034	9.91692	10.0453	0.914881
3	hcs120h02	1259	CNGA1	0.532485	-0.747938	10.1121	10.2747	-1.11934
5	hcs120h02	1259	CNGA1	0.414126	1.02239	10.1174	10.0093	1.07783
7	hcs120h02	1259	CNGA1	0.0592815	3.92224	9.93857	9.83899	1.07146
1	hcs120h04	114899	C1QTNF3	0.450213	0.930818	10.6138	10.7834	0.889069
3	hcs120h04	114899	C1QTNF3	0.914874	-0.120826	10.979	10.9978	-1.01312
5	hcs120h04	114899	C1QTNF3	0.422223	1.00111	10.83	10.7208	1.07865
7	hcs120h04	114899	C1QTNF3	0.863017	0.195567	10.4909	10.4718	1.0133

1	hcs120h05	9525	VPS4B	0.0693287	3.5975	10.1158	10.3618	0.843208
3	hcs120h05	9525	VPS4B	0.849621	-0.215115	10.3061	10.3611	-1.03886
5	hcs120h05	9525	VPS4B	0.468778	0.886724	10.1439	10.0789	1.04613
7	hcs120h05	9525	VPS4B	0.430089	0.980857	10.0982	10.0227	1.05378
1	hcs120h07	55500	ETNK1	0.401663	1.05608	10.4415	10.5075	0.955283
3	hcs120h07	55500	ETNK1	0.523437	0.766614	10.7206	10.5749	1.10629
5	hcs120h07	55500	ETNK1	0.261354	1.54964	10.713	10.4732	1.18083
7	hcs120h07	55500	ETNK1	0.146156	2.31979	10.3581	10.0613	1.22846
1	hcs120h08	375323	LHFPL4	0.640731	0.544432	9.79913	9.86497	0.955387
3	hcs120h08	375323	LHFPL4	0.261071	-1.55095	9.75718	10.1821	-1.34253
5	hcs120h08	375323	LHFPL4	0.425905	0.991579	9.86576	9.7736	1.06597
7	hcs120h08	375323	LHFPL4	0.279306	1.47019	9.53192	9.50023	1.02221
1	hcs120h09	57213	C13orf1	0.0848681	-3.21016	13.73	13.3938	1.26243
3	hcs120h09	57213	C13orf1	0.0111372	-9.39636	12.7598	13.049	-1.22202
5	hcs120h09	57213	C13orf1	0.365397	1.16126	13.3662	13.1492	1.16231
7	hcs120h09	57213	C13orf1	0.193653	1.92808	13.2378	12.9509	1.21996
3	hcs120h12	58476	TP53INP2	0.58068	-0.653209	11.7145	11.8335	-1.08603
5	hcs120h12	58476	TP53INP2	0.431836	-0.976414	12.3721	12.5035	-1.09533
7	hcs120h12	58476	TP53INP2	0.52272	-0.768107	11.955	12.1442	-1.14018
1	hcs121a01	149428	BNIP1	0.106977	-2.80643	9.60623	9.50576	1.07213
3	hcs121a01	149428	BNIP1	0.624814	0.572408	10.1001	10.0076	1.06623
5	hcs121a01	149428	BNIP1	0.172215	-2.08658	9.55453	9.65029	-1.06863
1	hcs121a02	51764	GNG13	0.810008	0.273675	12.4262	12.481	0.962728
5	hcs121a02	51764	GNG13	0.910907	0.126499	12.8621	12.8509	1.00784
7	hcs121a02	51764	GNG13	0.669794	-0.494732	12.4029	12.5228	-1.08666
1	hcs121a03	51234	TMEM85	0.221188	1.75591	12.2409	12.586	0.787235
3	hcs121a03	51234	TMEM85	0.808585	-0.275801	12.6239	12.675	-1.03605
5	hcs121a03	51234	TMEM85	0.845617	-0.22098	12.8417	12.8673	-1.01795
7	hcs121a03	51234	TMEM85	0.0401057	-4.84194	12.2455	12.7388	-1.4076
5	hcs121a04	?	?	0.147344	2.30795	9.70355	9.64874	1.03872
5	hcs121a06	81602	CDADC1	0.385796	1.1007	9.79709	9.69703	1.07182
1	hcs121a08	7342	UBP1	0.465179	-0.895127	12.4286	12.2554	1.12756
5	hcs121a08	7342	UBP1	0.0770984	3.38976	12.6742	12.5055	1.12405
7	hcs121a08	7342	UBP1	0.354423	-1.19548	12.0178	12.3151	-1.22884
1	hcs121a09	92714	ARRDC1	0.567498	-0.678381	10.1403	9.98412	1.11434
3	hcs121a09	92714	ARRDC1	0.548455	0.715699	10.3923	10.1676	1.16854
5	hcs121a09	92714	ARRDC1	0.669267	-0.495619	10.1619	10.2666	-1.07528
7	hcs121a09	92714	ARRDC1	0.252862	-1.58968	9.85031	10.1031	-1.19153
1	hcs121a10	?	?	0.764903	-0.342065	10.4528	10.4149	1.02664
5	hcs121a10	?	?	0.478941	0.863353	10.4799	10.4384	1.02918
7	hcs121a10	?	?	0.662689	-0.506728	10.152	10.1967	-1.03142
1	hcs121a11	25921	ZDHHC5	0.703513	-0.439037	11.4038	11.3453	1.04138
3	hcs121a11	25921	ZDHHC5	0.287311	1.43681	11.4986	11.3729	1.09104
5	hcs121a11	25921	ZDHHC5	0.256946	1.57022	11.4106	11.2991	1.08035
7	hcs121a11	25921	ZDHHC5	0.778013	-0.321971	11.1023	11.1255	-1.01623
1	hcs121b01			0.724465	-0.405356	10.4142	10.349	1.04624
3	hcs121b01			0.317978	-1.31886	10.4993	10.7879	-1.22145

5	hcs121b01		0.997844	-0.0030495	10.4619	10.4622	-1.00025	
7	hcs121b01		0.633666	0.55678	10.3336	10.2411	1.06622	
1	hcs121b02	90550	CCDC109A	0.790621	0.302819	10.2149	10.2433	0.980525
3	hcs121b02	90550	CCDC109A	0.471664	-0.880035	10.4408	10.6472	-1.15381
5	hcs121b02	90550	CCDC109A	0.624189	0.573517	10.444	10.2356	1.15544
7	hcs121b02	90550	CCDC109A	0.655806	0.51844	10.0219	9.95818	1.04513
1	hcs121b03	5145	PDE6A	0.892491	0.152928	12.8838	12.9133	0.979737
3	hcs121b03	5145	PDE6A	0.124742	2.55926	12.4859	12.4142	1.05091
7	hcs121b03	5145	PDE6A	0.026806	5.98431	12.9857	12.6973	1.22131
1	hcs121b05	132864	CPEB2	0.389607	-1.0898	10.8706	10.7253	1.10594
3	hcs121b05	132864	CPEB2	0.86913	-0.186684	11.0802	11.1305	-1.03547
5	hcs121b05	132864	CPEB2	0.996118	-0.0054900	10.9156	10.9161	-1.00035
7	hcs121b05	132864	CPEB2	0.410782	-1.03132	10.1296	10.2763	-1.10705
5	hcs121b06	55384	MEG3	0.556553	-0.699685	9.98092	10.0742	-1.06682
1	hcs121b08	64386	MMP25	0.0086372	10.6902	13.4906	13.5818	0.93872
3	hcs121b08	64386	MMP25	0.314972	1.32979	13.389	12.984	1.32409
7	hcs121b08	64386	MMP25	0.321132	-1.30752	13.202	13.3804	-1.13165
1	hcs121b09	284467	FAM19A3	0.427323	-0.987931	11.1562	11.1043	1.03665
3	hcs121b09	284467	FAM19A3	0.240856	-1.64934	11.2285	11.4518	-1.16745
5	hcs121b09	284467	FAM19A3	0.0814217	-3.28679	11.0629	11.234	-1.12586
7	hcs121b09	284467	FAM19A3	0.482738	0.85475	11.0354	10.9625	1.05188
3	hcs121b10	?	?	0.925921	-0.105052	10.1856	10.2066	-1.01468
5	hcs121b10	?	?	0.185522	-1.98528	9.73902	10.3006	-1.47588
1	hcs121b11	57561	ARRDC3	0.240804	-1.6496	9.86567	9.80229	1.04491
3	hcs121b11	57561	ARRDC3	0.0920473	-3.064	9.93573	10.1943	-1.1963
5	hcs121b11	57561	ARRDC3	0.202961	-1.86642	9.47746	9.6795	-1.15032
7	hcs121b11	57561	ARRDC3	0.57724	-0.659728	9.53244	9.63607	-1.07447
1	hcs121b12	10763	NES	0.992974	-0.0099361	10.2096	10.2093	1.00018
5	hcs121b12	10763	NES	0.599489	-0.618152	10.032	10.1035	-1.05077
7	hcs121b12	10763	NES	0.267622	-1.52114	9.62512	9.72306	-1.07024
1	hcs121c02	79412	KREMEN2	0.0620642	3.8247	10.0017	10.1798	0.883842
3	hcs121c02	79412	KREMEN2	0.559856	-0.693216	9.96635	10.1018	-1.0984
5	hcs121c02	79412	KREMEN2	0.959886	0.0567756	10.2032	10.1941	1.00627
7	hcs121c02	79412	KREMEN2	0.102887	2.87167	10.0466	9.76542	1.21522
1	hcs121c04	56006	C19orf61	0.7415	0.378437	10.2616	10.3053	0.970186
3	hcs121c04	56006	C19orf61	0.602545	-0.612547	10.2248	10.384	-1.11667
5	hcs121c04	56006	C19orf61	0.328442	1.28177	10.3952	10.138	1.19513
7	hcs121c04	56006	C19orf61	0.271519	1.50384	10.1383	9.95798	1.13311
1	hcs121c05	27043	PELP1	0.405052	1.0468	10.6016	10.7239	0.918701
3	hcs121c05	27043	PELP1	0.787977	0.306821	10.8146	10.7659	1.03438
5	hcs121c05	27043	PELP1	0.310597	1.34593	10.865	10.7486	1.08398
7	hcs121c05	27043	PELP1	0.353691	1.19781	10.6192	10.4648	1.11296
1	hcs121c06	79142	PHF23	0.475402	-0.871433	10.1863	10.1437	1.02994
3	hcs121c06	79142	PHF23	0.992748	0.0102563	10.3326	10.3304	1.0015
5	hcs121c06	79142	PHF23	0.11831	2.64269	10.4345	10.1452	1.22202
7	hcs121c06	79142	PHF23	0.191302	1.94428	10.3153	9.96076	1.27855
1	hcs121c10	5145	PDE6A	0.739889	0.380965	9.95433	10.0122	0.960702

3	hcs121c10	5145	PDE6A	0.354655	-1.19474	9.75693	10.0387	-1.21565
5	hcs121c10	5145	PDE6A	0.799804	0.28897	9.96519	9.92107	1.03106
7	hcs121c10	5145	PDE6A	0.012135	8.99496	9.89905	9.73238	1.12246
1	hcs121c12	158801	NKAPP1	0.626979	0.568569	10.8112	10.9638	0.899627
3	hcs121c12	158801	NKAPP1	0.70646	0.434259	10.9799	10.9257	1.03826
5	hcs121c12	158801	NKAPP1	0.312353	1.33942	11.2323	10.968	1.20108
7	hcs121c12	158801	NKAPP1	0.572859	0.668081	10.8928	10.8239	1.04894
1	hcs121d01	347517	RAB41	0.418684	-1.01036	10.1978	10.0554	1.1037
3	hcs121d01	347517	RAB41	0.368678	-1.15126	10.2064	10.5858	-1.30076
5	hcs121d01	347517	RAB41	0.49425	0.829089	10.205	9.98928	1.16131
7	hcs121d01	347517	RAB41	0.067015	3.66598	9.85365	9.5935	1.1976
1	hcs121d02	55901	THSD1	0.450353	0.930478	10.2168	10.4228	0.866938
3	hcs121d02	55901	THSD1	0.961131	0.0550104	10.0439	10.0335	1.00726
5	hcs121d02	55901	THSD1	0.313989	-1.3334	9.82295	9.99585	-1.12732
7	hcs121d02	55901	THSD1	0.558815	0.695252	9.70688	9.61834	1.06329
5	hcs121d04	5906	RAP1A	0.74886	-0.366925	10.0079	10.1328	-1.09044
1	hcs121d09			0.494637	-0.828238	11.4561	11.3721	1.05995
3	hcs121d09			0.030766	5.56877	11.6148	11.3426	1.20762
5	hcs121d09			0.0226037	-6.53806	11.3319	11.377	-1.03175
7	hcs121d09			0.194769	-1.92048	10.8563	11.2303	-1.29591
1	hcs121d10	4712	NDUFB6	0.174882	-2.06545	10.9695	10.697	1.20793
5	hcs121d10	4712	NDUFB6	0.614233	-0.591329	10.7123	10.8349	-1.08871
7	hcs121d10	4712	NDUFB6	0.31205	-1.34054	10.0732	10.2948	-1.16597
1	hcs121d11	4440	MSI1	0.528469	-0.756189	10.509	10.4048	1.0749
3	hcs121d11	4440	MSI1	0.123176	2.57901	10.9347	10.7885	1.10662
5	hcs121d11	4440	MSI1	0.973516	-0.0374669	10.2617	10.2672	-1.00379
7	hcs121d11	4440	MSI1	0.145306	-2.32834	9.82838	10.1249	-1.22819
1	hcs121d12	2652	OPN1MW	0.074187	-3.46391	10.3851	10.2502	1.09803
3	hcs121d12	2652	OPN1MW	0.937249	0.0889189	10.4156	10.4022	1.00935
5	hcs121d12	2652	OPN1MW	0.0415901	-4.74919	10.1496	10.3511	-1.14983
7	hcs121d12	2652	OPN1MW	0.493881	-0.829902	9.80833	9.90185	-1.06697
1	hcs121e02	100507027	M1	0.211802	1.81125	10.205	10.42	0.861566
3	hcs121e02	100507027	M1	0.615088	-0.589789	10.2101	10.3945	-1.1364
5	hcs121e02	100507027	M1	0.965977	-0.0481439	10.3705	10.3768	-1.00435
7	hcs121e02	100507027	M1	0.817725	0.262168	10.0742	10.0572	1.01183
1	hcs121e04	403	ARL3	0.548095	-0.716415	9.6584	9.5552	1.07416
3	hcs121e04	403	ARL3	0.293812	-1.41055	9.84133	9.98365	-1.10368
5	hcs121e04	403	ARL3	0.433589	0.971974	10.0082	9.73806	1.20592
7	hcs121e04	403	ARL3	0.10812	2.78883	9.93151	9.73191	1.14837
1	hcs121e05	54928	IMPAD1	0.166073	2.13699	10.3667	10.6243	0.836498
3	hcs121e05	54928	IMPAD1	0.327908	1.28362	10.8694	10.751	1.08551
5	hcs121e05	54928	IMPAD1	0.244314	-1.63177	10.6	10.6805	-1.05738
7	hcs121e05	54928	IMPAD1	0.260729	-1.55253	10.1652	10.2814	-1.08384
1	hcs121e06	29114	TAGLN3	0.846601	-0.219537	10.1952	10.1428	1.03696
5	hcs121e06	29114	TAGLN3	0.744404	0.373886	9.82451	9.76276	1.04373
1	hcs121e07	9669	EIF5B	0.211154	1.81518	10.5113	10.7759	0.83241
3	hcs121e07	9669	EIF5B	0.777697	-0.322453	10.8387	10.9107	-1.05112

5	hcs121e07	9669	EIF5B	0.410448	1.03222	10.8196	10.67	1.10929
7	hcs121e07	9669	EIF5B	0.303761	1.37172	10.5051	10.3127	1.14269
1	hcs121e10	5145	PDE6A	0.672441	0.490287	9.88353	9.92235	0.973451
3	hcs121e10	5145	PDE6A	0.203093	-1.86557	10.118	10.2941	-1.12983
5	hcs121e10	5145	PDE6A	0.157102	-2.21538	9.80449	9.99754	-1.14318
7	hcs121e10	5145	PDE6A	0.941781	0.0824738	9.635	9.62958	1.00377
1	hcs121e11	259230	SGMS1	0.948996	0.0722242	9.50398	9.51676	0.991183
3	hcs121e11	259230	SGMS1	0.649665	-0.528973	9.6731	9.7829	-1.07908
5	hcs121e11	259230	SGMS1	0.459166	-0.909318	9.47684	9.66503	-1.13933
1	hcs121f01	8927	BSN	0.630824	0.561777	10.2348	10.2938	0.959916
3	hcs121f01	8927	BSN	0.527203	-0.758803	10.5796	10.8031	-1.16756
5	hcs121f01	8927	BSN	0.851639	0.212162	10.361	10.3339	1.01896
7	hcs121f01	8927	BSN	0.433435	0.972363	10.3692	10.1724	1.14614
1	hcs121f02	7862	BRPF1	0.601822	-0.61387	10.5593	10.4103	1.10877
3	hcs121f02	7862	BRPF1	0.302808	1.37537	10.7686	10.67	1.07071
5	hcs121f02	7862	BRPF1	0.952788	0.0668419	10.685	10.6787	1.00433
7	hcs121f02	7862	BRPF1	0.937115	0.0891095	10.2824	10.2764	1.00412
1	hcs121f03	?	?	0.6708	0.493042	10.4709	10.58	0.927188
3	hcs121f03	?	?	0.713773	-0.422461	10.853	10.9043	-1.03622
5	hcs121f03	?	?	0.335469	1.25764	10.4743	10.1891	1.21858
7	hcs121f03	?	?	0.200809	-1.88034	10.337	10.4165	-1.05668
1	hcs121f06	5420	PODXL	0.771864	0.331372	10.8629	10.9381	0.949233
3	hcs121f06	5420	PODXL	0.12207	2.59317	11.4935	11.4344	1.04184
5	hcs121f06	5420	PODXL	0.0846757	-3.21432	11.1785	11.2664	-1.06282
7	hcs121f06	5420	PODXL	0.156781	-2.2183	10.7537	10.9305	-1.1304
1	hcs121f08	92211	CDHR1	0.375076	1.13205	9.58143	9.66442	0.944101
3	hcs121f08	92211	CDHR1	0.399558	1.06188	10.1952	10.0787	1.0841
5	hcs121f08	92211	CDHR1	0.670159	0.494118	9.84193	9.74686	1.06812
1	hcs121f09	4236	MFAP1	0.0987157	-2.94212	10.1635	10.0251	1.10066
3	hcs121f09	4236	MFAP1	0.867481	0.189077	10.526	10.4508	1.05351
5	hcs121f09	4236	MFAP1	0.957813	0.0597147	10.27	10.2597	1.00713
7	hcs121f09	4236	MFAP1	0.0883809	-3.13652	9.85807	10.4038	-1.45979
1	hcs121f10			0.0369399	-5.05771	9.94039	9.81222	1.09291
5	hcs121f10			0.450401	0.93036	9.9678	9.8162	1.1108
1	hcs121f12	7073	TIAL1	0.668939	0.496171	10.0946	10.1602	0.955541
3	hcs121f12	7073	TIAL1	0.134862	2.43949	10.3341	10.181	1.11199
5	hcs121f12	7073	TIAL1	0.840949	-0.227832	10.0916	10.1216	-1.02096
7	hcs121f12	7073	TIAL1	0.128581	-2.51228	9.68961	10.1157	-1.34363
1	hcs121g02	143941	TTC36	0.837321	0.233168	9.83492	9.86925	0.976485
3	hcs121g02	143941	TTC36	0.738259	-0.383529	10.2025	10.2995	-1.06958
5	hcs121g02	143941	TTC36	0.402336	-1.05423	10.1493	10.6272	-1.39268
1	hcs121g05	10325	RRAGB	0.280813	1.46382	10.2355	10.3778	0.906094
3	hcs121g05	10325	RRAGB	0.921361	-0.111558	10.5976	10.613	-1.01078
5	hcs121g05	10325	RRAGB	0.933246	0.0946155	10.4946	10.4932	1.00097
7	hcs121g05	10325	RRAGB	0.450666	0.929719	10.1208	10.0739	1.03305
1	hcs121g06	5704	PSMC4	0.962736	-0.0527352	10.549	10.5334	1.01087
3	hcs121g06	5704	PSMC4	0.885163	-0.163486	10.6735	10.7058	-1.02266

5	hcs121g06	5704	PSMC4	0.477615	0.866372	10.696	10.5436	1.11142
7	hcs121g06	5704	PSMC4	0.882174	-0.1678	10.3544	10.3752	-1.01455
1	hcs121g08			0.264748	1.5341	10.2851	10.4819	0.872484
3	hcs121g08			0.438054	-0.960755	10.8099	10.8664	-1.03999
5	hcs121g08			0.970604	-0.0415902	10.4911	10.4954	-1.00299
7	hcs121g08			0.883072	0.166504	10.2006	10.1868	1.00957
1	hcs121g09	?	?	0.883809	0.165439	10.4166	10.4329	0.988754
3	hcs121g09	?	?	0.684173	0.470741	10.8511	10.7852	1.04677
5	hcs121g09	?	?	0.484221	-0.85141	10.2134	10.312	-1.07068
7	hcs121g09	?	?	0.366763	-1.15708	9.87435	10.0674	-1.1432
1	hcs121g10	255130	LOC255130	0.254479	1.58193	10.056	10.1379	0.944828
3	hcs121g10	255130	LOC255130	0.464175	-0.897484	10.4265	10.5359	-1.07875
5	hcs121g10	255130	LOC255130	0.139316	-2.39068	9.72409	9.97477	-1.18977
7	hcs121g10	255130	LOC255130	0.659933	-0.511407	9.72255	9.81292	-1.06464
1	hcs121g12	5334	PLCL1	0.772954	-0.329702	9.86345	9.84917	1.00995
3	hcs121g12	5334	PLCL1	0.121044	-2.60647	9.71047	9.91508	-1.15237
5	hcs121g12	5334	PLCL1	0.614211	-0.591367	9.41948	9.51589	-1.06911
7	hcs121g12	5334	PLCL1	0.492929	-0.832003	9.43946	9.52251	-1.05926
1	hcs121h01	23261	CAMTA1	0.55096	-0.710723	9.90728	9.76225	1.10576
3	hcs121h01	23261	CAMTA1	0.845629	0.220962	10.5672	10.5263	1.0288
5	hcs121h01	23261	CAMTA1	0.682626	0.473304	10.0906	10.0206	1.0497
7	hcs121h01	23261	CAMTA1	0.401257	1.0572	10.005	9.83912	1.12188
1	hcs121h03	6857	SYT1	0.877542	0.174496	10.563	10.6081	0.969243
3	hcs121h03	6857	SYT1	0.484123	0.851631	11.3959	11.1756	1.16492
5	hcs121h03	6857	SYT1	0.572599	-0.668579	10.3384	10.4899	-1.11072
7	hcs121h03	6857	SYT1	0.147332	-2.30806	9.88746	10.2548	-1.28999
1	hcs121h05	?	?	0.238652	1.66071	10.6396	10.9778	0.791027
3	hcs121h05	?	?	0.95147	-0.0687131	11.2355	11.2422	-1.00465
5	hcs121h05	?	?	0.373263	1.13745	11.1912	11.0589	1.09604
7	hcs121h05	?	?	0.77264	-0.330182	10.5649	10.5989	-1.02387
1	hcs121h06	10735	STAG2	0.767982	-0.337328	11.2102	11.1624	1.03366
3	hcs121h06	10735	STAG2	0.561652	0.689712	11.354	11.2579	1.0689
5	hcs121h06	10735	STAG2	0.31215	-1.34017	10.8929	10.9874	-1.0677
7	hcs121h06	10735	STAG2	0.0934426	-3.03748	10.5967	10.853	-1.19441
1	hcs121h10	6855	SYP	0.680396	0.477007	10.1658	10.2161	0.965729
3	hcs121h10	6855	SYP	0.554808	-0.703118	10.3648	10.5526	-1.139
5	hcs121h10	6855	SYP	0.584009	-0.646933	10.3247	10.3452	-1.01426
7	hcs121h10	6855	SYP	0.296908	1.39829	10.0596	9.88124	1.13159
1	hcs121h11	58538	MPP4	0.229746	-1.70807	10.5671	10.4398	1.09227
3	hcs121h11	58538	MPP4	0.551704	-0.709247	11.1675	11.2654	-1.07021
5	hcs121h11	58538	MPP4	0.740118	-0.380607	10.3761	10.4176	-1.02923
7	hcs121h11	58538	MPP4	0.431943	-0.976142	9.82463	10.0382	-1.15957
1	hcs121h12	?	?	0.782279	-0.315472	10.3654	10.3352	1.02118
3	hcs121h12	?	?	0.511901	-0.790886	10.3376	10.5043	-1.12246
5	hcs121h12	?	?	0.702663	0.440417	10.3282	10.2896	1.02715
7	hcs121h12	?	?	0.971977	0.0396465	10.0243	10.0207	1.00248
3	hcs122a01	9043	SPAG9	0.654837	-0.520098	9.73053	9.98334	-1.19152



1	hcs122a02	23248	RPRD2	0.399203	-1.06286	9.7551	9.45196	1.23383
3	hcs122a02	23248	RPRD2	0.440536	0.954572	10.0449	9.65968	1.30609
5	hcs122a02	23248	RPRD2	0.426434	-0.990217	9.42656	9.70036	-1.20899
1	hcs122a03	?	?	0.940574	0.0841905	9.97005	10	0.979421
3	hcs122a03	?	?	0.37319	1.13767	10.6618	10.0214	1.55884
5	hcs122a03	?	?	0.334201	-1.26195	9.76994	10.0023	-1.17473
7	hcs122a03	?	?	0.319532	-1.31326	9.74947	10.1753	-1.34336
1	hcs122a04	100507043	LOC1005070	0.385921	1.10034	9.40138	9.75908	0.780408
5	hcs122a04	100507043	LOC1005070	0.0173434	-7.49421	9.49831	9.64548	-1.1074
7	hcs122a04	100507043	LOC1005070	0.0936608	-3.03338	9.5219	9.83979	-1.2465
1	hcs122a05	1176	AP3S1	0.554022	0.704667	10.3392	10.7273	0.76413
3	hcs122a05	1176	AP3S1	0.559416	0.694075	11.2018	10.8907	1.24068
7	hcs122a05	1176	AP3S1	0.327566	-1.28481	10.2985	10.4937	-1.14483
1	hcs122a08			0.744786	0.373289	10.1798	10.4224	0.845236
5	hcs122a08			0.272619	-1.49901	10.1331	10.4904	-1.28109
7	hcs122a08			0.235491	-1.67725	9.94897	10.2586	-1.23936
1	hcs122a09	130617	ZFAND2B	0.98358	0.0232247	10.1741	10.1789	0.996646
3	hcs122a09	130617	ZFAND2B	0.272591	1.49913	10.4621	10.2701	1.14233
5	hcs122a09	130617	ZFAND2B	0.277516	-1.47782	10.2711	10.4891	-1.1631
7	hcs122a09	130617	ZFAND2B	0.0362922	-5.10523	9.82349	10.0765	-1.19169
5	hcs122a10	219699	UNC5B	0.88992	-0.156629	9.11683	9.13894	-1.01544
1	hcs122a11	?	?	0.0574377	-3.99061	10.1938	10.1883	1.00385
3	hcs122a11	?	?	0.623712	-0.574367	10.3741	10.4036	-1.02061
5	hcs122a11	?	?	0.644205	0.538401	10.1613	10.1077	1.03787
7	hcs122a11	?	?	0.51514	-0.784019	9.99669	10.084	-1.06237
1	hcs122b01	?	?	0.66666	0.50001	9.83795	9.93642	0.934025
3	hcs122b01	?	?	0.888312	-0.158946	10.584	10.611	-1.01891
5	hcs122b01	?	?	0.424209	-0.995957	10.2754	10.5698	-1.22636
7	hcs122b01	?	?	0.505447	-0.8047	9.7175	9.90495	-1.13875
1	hcs122b02	7277	TUBA4A	0.99835	-0.0023331	11.9991	11.9989	1.00016
3	hcs122b02	7277	TUBA4A	0.276988	-1.48008	11.9236	12.1757	-1.19099
5	hcs122b02	7277	TUBA4A	0.281295	-1.46179	11.9499	12.1713	-1.16586
7	hcs122b02	7277	TUBA4A	0.0259096	-6.09117	11.3204	11.8341	-1.42777
1	hcs122b03	151126	ZNF385B	0.423224	0.998509	10.3482	10.6709	0.79955
3	hcs122b03	151126	ZNF385B	0.128274	2.51597	11.0136	10.824	1.1405
5	hcs122b03	151126	ZNF385B	0.741177	0.378944	10.6411	10.6034	1.02652
7	hcs122b03	151126	ZNF385B	0.309111	-1.35148	10.057	10.4034	-1.27133
1	hcs122b04	374650	GOLGA6L5	0.331599	1.27085	10.7299	10.9116	0.881643
3	hcs122b04	374650	GOLGA6L5	0.792567	-0.299877	11.1521	11.1951	-1.03023
5	hcs122b04	374650	GOLGA6L5	0.950014	0.0707789	10.8618	10.8552	1.00456
7	hcs122b04	374650	GOLGA6L5	0.525439	0.762455	10.7848	10.5751	1.15647
1	hcs122b05	?	?	0.878868	0.172577	11.8219	11.8316	0.993322
3	hcs122b05	?	?	0.472265	0.878646	11.9855	11.8863	1.07118
5	hcs122b05	?	?	0.613551	0.592557	11.9048	11.8502	1.03857
7	hcs122b05	?	?	0.374139	-1.13484	11.3625	11.5223	-1.11711
1	hcs122b06	56889	TM9SF3	0.488688	0.84141	10.5826	10.6776	0.936304
3	hcs122b06	56889	TM9SF3	0.449634	0.932224	11.2404	11.1129	1.0924

5	hcs122b06	56889	TM9SF3	0.220632	1.7591	10.9964	10.7461	1.18948
7	hcs122b06	56889	TM9SF3	0.732178	-0.393118	10.1141	10.1548	-1.0286
1	hcs122b07	51643	TMBIM4	0.0688715	-3.61076	10.7614	10.6407	1.08729
3	hcs122b07	51643	TMBIM4	0.302872	1.37512	11.0295	10.7504	1.21343
5	hcs122b07	51643	TMBIM4	0.764126	0.343262	10.6806	10.6213	1.0419
7	hcs122b07	51643	TMBIM4	0.285757	-1.4432	10.0667	10.6038	-1.4511
1	hcs122b08	984	CDK11B	0.176574	2.05226	9.4737	9.63724	0.892834
3	hcs122b08	984	CDK11B	0.838906	-0.230836	9.99441	10.0296	-1.02472
5	hcs122b08	984	CDK11B	0.490438	0.837519	9.7105	9.66211	1.03411
1	hcs122b09	1839	HBEGF	0.562706	-0.687662	10.2286	10.1084	1.08692
3	hcs122b09	1839	HBEGF	0.134213	2.44679	10.4924	10.4183	1.05274
5	hcs122b09	1839	HBEGF	0.873975	0.179658	10.0487	10.0124	1.02551
7	hcs122b09	1839	HBEGF	0.378894	-1.12077	9.77337	9.9155	-1.10354
1	hcs122b10	?	?	0.283057	1.4544	10.4344	10.5161	0.944965
3	hcs122b10	?	?	0.395411	-1.07342	10.5331	10.7027	-1.12475
5	hcs122b10	?	?	0.800837	-0.287417	10.3563	10.3643	-1.00554
7	hcs122b10	?	?	0.599074	0.618915	10.0696	9.98151	1.06296
1	hcs122b11	5949	RBP3	0.91674	-0.118157	10.0082	9.99927	1.00621
3	hcs122b11	5949	RBP3	0.130433	-2.49031	10.0472	10.3124	-1.2018
5	hcs122b11	5949	RBP3	0.0094514	-10.2131	9.59111	9.74944	-1.11599
7	hcs122b11	5949	RBP3	0.583412	-0.648055	9.43487	9.5992	-1.12064
1	hcs122b12	51665	ASB1	0.741109	0.37905	10.0107	10.042	0.978565
3	hcs122b12	51665	ASB1	0.789552	-0.304436	10.0961	10.1647	-1.0487
5	hcs122b12	51665	ASB1	0.783314	-0.313898	9.98831	10.0086	-1.01415
7	hcs122b12	51665	ASB1	0.10844	2.78394	9.65865	9.51891	1.10171
1	hcs122c02	10960	LMAN2	0.138907	2.39508	10.0748	10.3298	0.837987
3	hcs122c02	10960	LMAN2	0.877115	-0.175113	10.1779	10.2192	-1.02906
5	hcs122c02	10960	LMAN2	0.312281	1.33969	10.4729	10.3686	1.07495
7	hcs122c02	10960	LMAN2	0.370234	1.14655	10.0946	9.8944	1.14886
1	hcs122c03			0.522489	0.768589	9.8515	10.0481	0.872589
3	hcs122c03			0.133896	-2.45038	9.79649	10.0081	-1.15797
5	hcs122c03			0.508771	0.797564	9.78289	9.62039	1.11922
1	hcs122c04	6185	RPN2	0.415704	1.01821	10.5996	10.8513	0.839887
3	hcs122c04	6185	RPN2	0.69701	0.449628	10.777	10.7044	1.05156
5	hcs122c04	6185	RPN2	0.220203	1.76157	11.011	10.8371	1.12813
7	hcs122c04	6185	RPN2	0.50949	0.796027	10.6403	10.5432	1.06965
1	hcs122c05	80031	SEMA6D	0.119089	2.63225	11.0795	11.3492	0.829492
3	hcs122c05	80031	SEMA6D	0.180124	2.02515	11.5791	11.2688	1.24002
5	hcs122c05	80031	SEMA6D	0.0189223	7.16606	12.0331	11.4234	1.52601
7	hcs122c05	80031	SEMA6D	0.101773	2.89009	11.6178	11.141	1.39165
5	hcs122c06	9308	CD83	0.481869	0.856713	9.47048	9.32008	1.10988
1	hcs122c07	51056	LAP3	0.2425	1.64095	10.1686	10.2628	0.936817
3	hcs122c07	51056	LAP3	0.647545	-0.532627	10.2101	10.2968	-1.06194
5	hcs122c07	51056	LAP3	0.106349	2.81622	10.1672	10.0407	1.09159
7	hcs122c07	51056	LAP3	0.371414	1.143	9.98319	9.86463	1.08565
1	hcs122c08	8372	HYAL3	0.16496	2.1464	9.82314	9.98716	0.892535
3	hcs122c08	8372	HYAL3	0.409876	-1.03375	10.0658	10.2694	-1.15158

5	hcs122c08	8372	HYAL3	0.577654	0.658941	10.1383	10.0109	1.09236
7	hcs122c08	8372	HYAL3	0.0607154	3.87117	9.79117	9.6476	1.10464
1	hcs122c09	?	?	0.0507879	4.26647	9.73493	9.94495	0.864525
3	hcs122c09	?	?	0.336597	-1.25383	9.97755	10.1445	-1.12264
1	hcs122c10			0.381925	1.1119	10.5399	10.6939	0.898776
3	hcs122c10			0.549655	-0.713313	10.4087	10.5646	-1.11412
5	hcs122c10			0.990372	-0.0136166	10.593	10.5948	-1.0012
7	hcs122c10			0.401873	-1.0555	10.3721	10.4401	-1.04824
1	hcs122c11	5816	PVALB	0.31572	1.32706	10.5125	10.8024	0.817978
3	hcs122c11	5816	PVALB	0.969348	0.0433687	10.7885	10.778	1.00726
5	hcs122c11	5816	PVALB	0.265823	-1.52923	10.6066	10.799	-1.14266
7	hcs122c11	5816	PVALB	0.505867	0.803797	10.6431	10.6016	1.02918
1	hcs122d01	1952	CELSR2	0.926019	-0.104913	10.1139	10.097	1.0118
3	hcs122d01	1952	CELSR2	0.959383	-0.0574885	11.0237	11.0288	-1.00349
5	hcs122d01	1952	CELSR2	0.602548	0.612541	10.3653	10.1955	1.12489
7	hcs122d01	1952	CELSR2	0.652006	0.524948	9.75376	9.69936	1.03843
1	hcs122d02			0.5156	-0.783046	11.4984	11.3513	1.10737
3	hcs122d02			0.774217	0.327769	11.6056	11.5814	1.01696
5	hcs122d02			0.601128	-0.615143	11.6987	11.7786	-1.05694
7	hcs122d02			0.0506439	-4.27302	10.7172	11.0777	-1.28393
1	hcs122d03	79980	DSN1	0.467752	-0.889113	10.4281	10.2316	1.14595
3	hcs122d03	79980	DSN1	0.392821	1.08069	10.6786	10.5455	1.09665
5	hcs122d03	79980	DSN1	0.778622	-0.321041	10.0753	10.1107	-1.02486
7	hcs122d03	79980	DSN1	0.203577	-1.86247	9.68561	9.98357	-1.2294
1	hcs122d04	?	?	0.666292	0.500632	10.3764	10.4749	0.934025
3	hcs122d04	?	?	0.272972	1.49747	10.9324	10.7541	1.1316
5	hcs122d04	?	?	0.446478	0.939921	10.9342	10.8304	1.07465
7	hcs122d04	?	?	0.386019	1.10006	10.3292	10.2811	1.0339
1	hcs122d05	?	?	0.848584	0.216633	10.4544	10.5067	0.964373
3	hcs122d05	?	?	0.759137	0.350965	11.0096	10.916	1.06705
5	hcs122d05	?	?	0.234197	-1.68411	10.569	10.943	-1.29597
7	hcs122d05	?	?	0.322355	-1.30317	10.01	10.2412	-1.17377
1	hcs122d06			0.649533	-0.5292	10.4897	10.4015	1.06301
3	hcs122d06			0.991399	0.0121639	10.9912	10.9874	1.00262
5	hcs122d06			0.226404	-1.72647	9.72475	9.96228	-1.17897
7	hcs122d06			0.155311	-2.23177	9.7144	10.0311	-1.2455
3	hcs122d07	29101	SSU72	0.455207	0.918771	10.8389	10.7681	1.05035
5	hcs122d07	29101	SSU72	0.578205	0.657897	10.2786	10.205	1.05235
7	hcs122d07	29101	SSU72	0.238049	-1.66384	10.0236	10.2768	-1.19189
1	hcs122d08	81552	VOPP1	0.0316995	-5.48218	10.7523	10.4552	1.22869
3	hcs122d08	81552	VOPP1	0.118848	2.63547	11.159	10.7781	1.30211
5	hcs122d08	81552	VOPP1	0.67516	0.485735	10.7663	10.7144	1.03661
7	hcs122d08	81552	VOPP1	0.247323	-1.61674	10.1532	10.4293	-1.21093
1	hcs122d09	3897	L1CAM	0.215878	1.78683	9.89471	10.0239	0.91433
3	hcs122d09	3897	L1CAM	0.676941	0.48276	10.6084	10.5417	1.04734
5	hcs122d09	3897	L1CAM	0.772119	-0.33098	10.3376	10.3584	-1.01452
7	hcs122d09	3897	L1CAM	0.354937	-1.19385	9.86896	9.94307	-1.05271

1	hcs122d10	?	?	0.316944	-1.32261	10.6711	9.68094	1.98641
7	hcs122d10	?	?	0.430429	-0.979989	9.43887	9.85758	-1.33673
1	hcs122d11			0.441784	-0.951478	10.4754	10.2558	1.16438
3	hcs122d11			0.424056	0.996352	10.7493	10.5602	1.14008
5	hcs122d11			0.0689839	-3.60749	10.2032	10.3485	-1.10599
7	hcs122d11			0.388491	-1.09298	9.66222	9.90247	-1.18119
1	hcs122d12	?	?	0.542942	-0.726727	10.2147	10.195	1.01378
3	hcs122d12	?	?	0.639754	-0.546133	10.3459	10.4454	-1.07143
5	hcs122d12	?	?	0.761394	-0.347476	10.1579	10.1911	-1.02328
7	hcs122d12	?	?	0.579505	0.655431	9.94021	9.91916	1.01469
1	hcs122e02	9040	UBE2M	0.816669	0.26374	10.5296	10.5777	0.967232
3	hcs122e02	9040	UBE2M	0.948927	-0.0723225	10.4231	10.4473	-1.01692
5	hcs122e02	9040	UBE2M	0.865607	-0.1918	10.6683	10.6897	-1.01499
7	hcs122e02	9040	UBE2M	0.253387	1.58716	10.2251	10.113	1.08081
1	hcs122e03	50619	DEF6	0.804236	0.282314	10.8392	11.0055	0.891146
3	hcs122e03	50619	DEF6	0.706585	0.434057	11.0585	10.8346	1.16786
5	hcs122e03	50619	DEF6	0.484194	0.851472	11.5097	11.1935	1.24508
7	hcs122e03	50619	DEF6	0.584017	-0.646918	10.4891	10.7241	-1.17689
1	hcs122e04	23242	COBL	0.637239	0.550521	10.1496	10.1737	0.983404
3	hcs122e04	23242	COBL	0.780717	-0.317849	10.3037	10.3441	-1.02841
5	hcs122e04	23242	COBL	0.467586	0.889501	10.2679	10.18	1.06282
7	hcs122e04	23242	COBL	0.917409	0.117202	9.94227	9.92883	1.00936
1	hcs122e05	?	?	0.297493	1.39599	9.83632	10.0632	0.854501
3	hcs122e05	?	?	0.609176	0.600467	10.287	10.2075	1.05672
5	hcs122e05	?	?	0.0582584	-3.95979	9.81007	10.3928	-1.49771
7	hcs122e05	?	?	0.952773	-0.0668633	9.50207	9.51742	-1.0107
1	hcs122e06	284371	ZNF841	0.235927	1.67495	10.1984	10.5047	0.808695
3	hcs122e06	284371	ZNF841	0.646234	-0.53489	10.6342	10.751	-1.08428
5	hcs122e06	284371	ZNF841	0.0432406	-4.65161	10.3731	10.498	-1.09041
7	hcs122e06	284371	ZNF841	0.222137	-1.75048	10.0658	10.1377	-1.05108
1	hcs122e07	9929	JOSD1	0.715058	0.420397	10.2897	10.3488	0.959881
3	hcs122e07	9929	JOSD1	0.713411	0.423043	10.5688	10.5165	1.03689
5	hcs122e07	9929	JOSD1	0.0488929	4.35493	10.5645	10.3666	1.147
7	hcs122e07	9929	JOSD1	0.152859	2.25463	10.1975	10.0722	1.09077
1	hcs122e08	5715	PSMD9	0.418888	1.00982	10.2172	10.4134	0.872827
3	hcs122e08	5715	PSMD9	0.622801	-0.575986	10.6411	10.6884	-1.03333
5	hcs122e08	5715	PSMD9	0.60408	0.60974	10.5573	10.4446	1.08125
7	hcs122e08	5715	PSMD9	0.167847	2.12217	10.2261	10.0329	1.14331
1	hcs122e09	1000	CDH2	0.0200004	6.96449	10.5222	10.8829	0.778805
3	hcs122e09	1000	CDH2	0.701123	-0.442921	10.9005	10.9995	-1.07106
5	hcs122e09	1000	CDH2	0.532887	-0.747116	11.0524	11.1472	-1.06787
7	hcs122e09	1000	CDH2	0.22252	-1.74831	10.4266	10.71	-1.21712
1	hcs122e10	85437	ZCRB1	0.809142	-0.274969	10.0552	10.0249	1.02124
5	hcs122e10	85437	ZCRB1	0.00311151	-17.8853	9.60662	9.75946	-1.11176
7	hcs122e10	85437	ZCRB1	0.339648	1.24358	9.73906	9.66682	1.05135
1	hcs122e11	163	AP2B1	0.125215	2.55336	10.6105	10.9445	0.793334
3	hcs122e11	163	AP2B1	0.894269	0.150369	10.8422	10.8163	1.01811

5	hcs122e11	163	AP2B1	0.354589	1.19495	11.0215	10.9756	1.03235
7	hcs122e11	163	AP2B1	0.984698	-0.0216422	10.7366	10.7392	-1.0018
1	hcs122e12	?	?	0.464415	0.896919	9.52256	9.68214	0.895284
3	hcs122e12	?	?	0.230242	-1.70537	9.68049	10.0029	-1.25046
5	hcs122e12	?	?	0.649773	-0.528787	9.41092	9.48624	-1.05359
7	hcs122e12	?	?	0.241906	1.64397	9.74547	9.62176	1.08954
1	hcs122f01	55023	PHIP	0.597251	0.622274	10.0781	10.1569	0.946867
3	hcs122f01	55023	PHIP	0.548514	0.715582	10.8337	10.6159	1.163
5	hcs122f01	55023	PHIP	0.845687	0.220877	10.3767	10.329	1.03363
7	hcs122f01	55023	PHIP	0.210481	-1.8193	9.55914	10.0697	-1.42464
1	hcs122f02	9778	KIAA0232	0.61175	-0.595807	10.334	10.214	1.08672
3	hcs122f02	9778	KIAA0232	0.844605	-0.222464	10.4115	10.4342	-1.01581
5	hcs122f02	9778	KIAA0232	0.557018	0.698773	10.4539	10.2174	1.17815
7	hcs122f02	9778	KIAA0232	0.90117	0.140454	9.92123	9.91602	1.00362
1	hcs122f03	7158	TP53BP1	0.585502	0.644128	9.63972	9.87861	0.847395
3	hcs122f03	7158	TP53BP1	0.874932	0.178273	10.44	10.4198	1.01405
5	hcs122f03	7158	TP53BP1	0.531139	-0.750697	9.89553	9.95224	-1.04009
7	hcs122f03	7158	TP53BP1	0.621591	0.578142	9.87997	9.78215	1.07016
1	hcs122f04	389337	ARHGEF37	0.549801	0.713023	9.89183	9.98286	0.938852
3	hcs122f04	389337	ARHGEF37	0.704534	0.437379	10.5583	10.4686	1.06415
5	hcs122f04	389337	ARHGEF37	0.717005	0.417274	10.0678	9.9802	1.06259
7	hcs122f04	389337	ARHGEF37	0.825295	-0.25093	9.93793	9.96668	-1.02013
1	hcs122f06	23256	SCFD1	0.554315	-0.70409	10.7699	10.5875	1.13481
3	hcs122f06	23256	SCFD1	0.252749	1.59023	10.7146	10.2566	1.3736
5	hcs122f06	23256	SCFD1	0.575622	-0.662807	10.348	10.4689	-1.08739
7	hcs122f06	23256	SCFD1	0.414153	-1.02232	9.86407	10.0657	-1.14998
5	hcs122f07	26286	ARFGAP3	0.161063	2.18003	10.5381	10.2837	1.19284
1	hcs122f08			0.199336	-1.88998	10.084	9.88299	1.14951
3	hcs122f08			0.526208	0.760862	10.5267	10.4266	1.07184
5	hcs122f08			0.911913	0.12506	9.96329	9.95317	1.00704
7	hcs122f08			0.818354	-0.261233	9.58709	9.64018	-1.03748
1	hcs122f09	25855	BRMS1	0.782599	0.314986	10.315	10.3525	0.974364
3	hcs122f09	25855	BRMS1	0.320219	-1.31079	10.6108	10.7402	-1.09386
5	hcs122f09	25855	BRMS1	0.871397	-0.183395	10.4141	10.4278	-1.00956
7	hcs122f09	25855	BRMS1	0.751457	0.36288	10.1791	10.1406	1.02701
1	hcs122f11	7284	TUFM	0.579817	-0.654842	10.9355	10.8787	1.04016
3	hcs122f11	7284	TUFM	0.930318	-0.0987858	11.1351	11.1417	-1.00463
5	hcs122f11	7284	TUFM	0.915759	0.119559	10.881	10.8713	1.00672
7	hcs122f11	7284	TUFM	0.799934	-0.288774	10.4826	10.4993	-1.01167
1	hcs122f12	54441	STAG3L1	0.203028	-1.86599	10.1236	10.0169	1.07678
3	hcs122f12	54441	STAG3L1	0.878577	0.172998	10.0268	9.99102	1.02509
5	hcs122f12	54441	STAG3L1	0.178176	2.03993	10.0191	9.97063	1.03415
7	hcs122f12	54441	STAG3L1	0.397829	1.06668	9.71147	9.65782	1.03789
1	hcs122g01	7290	HIRA	0.286839	-1.43875	9.85433	9.7005	1.11252
3	hcs122g01	7290	HIRA	0.20042	-1.88287	9.66177	9.80341	-1.10316
5	hcs122g01	7290	HIRA	0.306219	-1.36236	10.0317	10.384	-1.27664
1	hcs122g02	56172	ANKH	0.602813	0.612057	12.2305	12.3994	0.8895

3	hcs122g02	56172	ANKH	0.988844	0.0157785	12.0004	11.9977	1.00187
5	hcs122g02	56172	ANKH	0.561681	-0.689656	12.3354	12.4951	-1.11708
7	hcs122g02	56172	ANKH	0.716727	-0.417719	11.8298	12.0155	-1.1374
1	hcs122g03			0.446483	0.939908	9.76965	9.89268	0.918259
3	hcs122g03			0.774912	0.326707	10.1381	10.0717	1.04705
5	hcs122g03			0.90234	0.138775	9.91981	9.90535	1.01008
7	hcs122g03			0.990667	0.0131988	9.64289	9.64047	1.00168
1	hcs122g04	55954	ZMAT5	0.650183	-0.52808	10.3345	10.2773	1.04048
3	hcs122g04	55954	ZMAT5	0.779157	-0.320226	10.5847	10.6431	-1.04129
5	hcs122g04	55954	ZMAT5	0.79763	-0.292241	10.416	10.4364	-1.01426
7	hcs122g04	55954	ZMAT5	0.518062	0.777858	10.01	9.95001	1.04247
1	hcs122g05	8409	UXT	0.987246	-0.018038	9.77806	9.77418	1.0027
3	hcs122g05	8409	UXT	0.323692	1.29843	10.5581	10.3173	1.18164
5	hcs122g05	8409	UXT	0.530013	0.75301	9.63173	9.38605	1.18565
7	hcs122g05	8409	UXT	0.411286	-1.02997	9.53728	9.74196	-1.15244
1	hcs122g06	844	CASQ1	0.469706	0.884569	10.0697	10.1669	0.93485
3	hcs122g06	844	CASQ1	0.91564	-0.11973	10.4712	10.4875	-1.01139
5	hcs122g06	844	CASQ1	0.56946	0.674601	10.0741	9.99887	1.05353
7	hcs122g06	844	CASQ1	1.97e-005	-225.57	9.79155	9.89378	-1.07343
1	hcs122g07	10051	SMC4	0.452377	0.925581	10.5158	10.6188	0.931073
3	hcs122g07	10051	SMC4	0.546905	-0.718789	10.8048	10.8728	-1.04831
5	hcs122g07	10051	SMC4	0.349899	-1.20996	10.3802	10.4433	-1.04471
7	hcs122g07	10051	SMC4	0.921015	0.112051	10.107	10.1015	1.00387
1	hcs122g08	2271	FH	0.839656	-0.229733	10.1783	10.1537	1.01721
3	hcs122g08	2271	FH	0.618021	-0.584524	10.5983	10.6532	-1.03881
5	hcs122g08	2271	FH	0.0106739	9.6015	10.228	10.1775	1.03562
7	hcs122g08	2271	FH	0.332301	1.26844	10.0483	9.97202	1.05433
1	hcs122g09	26470	SEZ6L2	0.161875	2.17294	10.3534	10.6323	0.824219
3	hcs122g09	26470	SEZ6L2	0.706369	-0.434406	10.704	10.7612	-1.04047
5	hcs122g09	26470	SEZ6L2	0.168184	2.11938	10.7216	10.5471	1.12855
7	hcs122g09	26470	SEZ6L2	0.575565	0.662915	10.3941	10.3511	1.03023
1	hcs122g10			0.948454	-0.0729938	13.0428	13.0296	1.00917
3	hcs122g10			0.635886	0.552889	13.0432	12.9671	1.05414
5	hcs122g10			0.135543	2.43189	13.2224	12.7993	1.34077
7	hcs122g10			0.0081834	10.9863	13.1041	12.7319	1.29433
1	hcs122g11	?	?	0.415535	1.01866	10.6268	10.8007	0.886423
3	hcs122g11	?	?	0.286731	-1.43919	10.6597	10.8876	-1.17107
5	hcs122g11	?	?	0.469116	-0.885938	10.5017	10.5927	-1.06511
7	hcs122g11	?	?	0.936318	-0.0902425	10.5559	10.5605	-1.00319
1	hcs122h01	?	?	0.401973	1.05523	9.83167	9.93029	0.933926
3	hcs122h01	?	?	0.582435	-0.649895	10.5343	10.6341	-1.07158
5	hcs122h01	?	?	0.463826	-0.898304	10.274	10.4526	-1.13175
7	hcs122h01	?	?	0.390007	1.08866	9.74153	9.62032	1.08765
1	hcs122h02	55179	FAIM	0.691672	0.458373	10.4279	10.5275	0.933294
3	hcs122h02	55179	FAIM	0.941352	-0.0830842	11.1665	11.183	-1.01153
5	hcs122h02	55179	FAIM	0.271321	-1.50471	10.6805	11.2278	-1.46136
7	hcs122h02	55179	FAIM	0.186936	-1.97509	10.0885	10.2647	-1.12994

1	hcs122h03	116540	MRPL53	0.378118	1.12305	11.0228	11.1779	0.89807
3	hcs122h03	116540	MRPL53	0.914669	0.121119	11.2115	11.1955	1.01115
5	hcs122h03	116540	MRPL53	0.28753	1.43591	11.1767	11.0198	1.11489
7	hcs122h03	116540	MRPL53	0.413513	1.02402	10.8173	10.752	1.04633
3	hcs122h05	11092	C9orf9	0.941082	-0.0834672	10.1328	10.1529	-1.01404
1	hcs122h06	342667	STAC2	0.288454	1.43214	10.6812	10.852	0.888329
3	hcs122h06	342667	STAC2	0.406785	1.0421	11.1348	11.0066	1.09293
5	hcs122h06	342667	STAC2	0.507131	-0.801079	10.8108	10.8565	-1.03221
7	hcs122h06	342667	STAC2	0.345979	-1.22267	10.2682	10.4067	-1.10073
1	hcs122h07	?	?	0.242848	1.63918	11.1575	11.3065	0.901855
3	hcs122h07	?	?	0.337744	1.24996	11.5708	11.3718	1.1479
5	hcs122h07	?	?	0.0667842	-3.67299	11.22	11.3194	-1.07133
7	hcs122h07	?	?	0.231698	-1.69749	10.7713	10.946	-1.12876
1	hcs122h08			0.701232	-0.442743	10.2007	10.0933	1.07726
3	hcs122h08			0.853597	0.209301	10.506	10.4372	1.04886
5	hcs122h08			0.481127	0.858392	10.2066	10.1109	1.06859
1	hcs122h09	285830	LOC285830	0.171131	2.0953	11.1555	11.2437	0.940674
3	hcs122h09	285830	LOC285830	0.266929	-1.52424	11.2274	11.28	-1.03718
5	hcs122h09	285830	LOC285830	0.39795	1.06634	11.2573	11.2045	1.0373
7	hcs122h09	285830	LOC285830	0.755252	0.356982	11.0238	10.9335	1.06457
1	hcs122h10			0.643971	0.538806	10.5365	10.5784	0.971398
3	hcs122h10			0.796913	0.29332	10.8826	10.8569	1.01795
5	hcs122h10			0.0311801	-5.52989	10.6648	10.8337	-1.12425
7	hcs122h10			0.670418	-0.493683	10.3203	10.3882	-1.04817
1	hcs122h11			0.594934	-0.626553	9.81898	9.76772	1.03617
3	hcs122h11			0.485419	-0.84872	10.0181	10.061	-1.0302
5	hcs122h11			0.0856508	-3.19338	9.63449	9.7947	-1.11745
7	hcs122h11			0.624262	-0.573388	9.79474	9.84651	-1.03654
1	hcs122h12	79745	CLIP4	0.061792	-3.83396	10.9967	10.6871	1.23938
3	hcs122h12	79745	CLIP4	0.410349	1.03248	10.9452	10.6926	1.19142
5	hcs122h12	79745	CLIP4	0.370037	1.14714	10.7658	10.5009	1.20156
7	hcs122h12	79745	CLIP4	0.305662	1.36447	10.3783	10.2848	1.06697
1	hcs123a01	10351	ABCA8	0.351475	-1.20489	10.0895	9.9676	1.08817
3	hcs123a01	10351	ABCA8	0.334544	1.26079	10.689	10.4796	1.15621
5	hcs123a01	10351	ABCA8	0.749	0.366706	10.2002	10.0965	1.07457
7	hcs123a01	10351	ABCA8	0.301591	-1.38005	9.72815	9.87726	-1.10889
3	hcs123a02	?	?	0.75825	-0.352336	10.7505	10.7983	-1.03374
5	hcs123a02	?	?	0.658379	0.514052	10.6068	10.4732	1.09703
7	hcs123a02	?	?	0.229552	1.70914	10.2433	10.0788	1.12079
1	hcs123a03	57461	ISY1	0.892963	-0.152248	9.99371	9.97321	1.01431
3	hcs123a03	57461	ISY1	0.638611	-0.548126	10.4231	10.5193	-1.06898
5	hcs123a03	57461	ISY1	0.559047	0.694798	10.3766	10.2591	1.08488
7	hcs123a03	57461	ISY1	0.220258	1.76125	9.90257	9.77685	1.09105
1	hcs123a04	2534	FYN	0.178493	2.03752	10.6431	10.8049	0.893909
3	hcs123a04	2534	FYN	0.332184	1.26884	11.0897	10.9921	1.06997
5	hcs123a04	2534	FYN	0.593787	-0.628677	10.4827	10.5934	-1.07976
7	hcs123a04	2534	FYN	0.0141012	-8.33184	10.4032	10.5544	-1.11052

1	hcs123a05	?	?	0.318326	1.3176	10.7027	11.079	0.770393
3	hcs123a05	?	?	0.746498	0.370613	11.3014	11.2683	1.02321
5	hcs123a05	?	?	0.623936	0.573968	11.2247	11.1246	1.0718
7	hcs123a05	?	?	0.111116	-2.74326	10.8651	10.9165	-1.03625
1	hcs123a06	?	?	0.944133	0.079131	10.339	10.3712	0.977926
3	hcs123a06	?	?	0.69083	-0.459758	10.8806	11.095	-1.16022
5	hcs123a06	?	?	0.288795	-1.43075	10.3874	10.9143	-1.44088
7	hcs123a06	?	?	0.4052	-1.0464	9.76515	10.0279	-1.19975
1	hcs123a07	55262	C7orf43	0.778732	0.320874	10.5033	10.5339	0.97899
3	hcs123a07	55262	C7orf43	0.61522	0.589553	10.8106	10.732	1.05604
5	hcs123a07	55262	C7orf43	0.738932	-0.382469	10.67	10.7156	-1.03209
7	hcs123a07	55262	C7orf43	0.286684	-1.43938	10.1662	10.3672	-1.14947
1	hcs123a08	1954	MEGF8	0.834932	0.236689	10.7098	10.7379	0.980711
3	hcs123a08	1954	MEGF8	0.12676	2.53432	11.0304	10.936	1.06762
5	hcs123a08	1954	MEGF8	0.318655	-1.31642	10.7389	10.8266	-1.06272
7	hcs123a08	1954	MEGF8	0.154952	2.23508	10.6589	10.5889	1.04972
1	hcs123a09	91522	COL23A1	0.999242	0.0010712	9.87121	9.87131	0.999933
3	hcs123a09	91522	COL23A1	0.397356	-1.06799	10.3516	10.4629	-1.08016
5	hcs123a09	91522	COL23A1	0.521837	-0.769951	9.9095	9.98278	-1.05211
7	hcs123a09	91522	COL23A1	0.326422	-1.28882	9.76342	9.87892	-1.08335
1	hcs123a10	11072	DUSP14	0.367583	1.15458	10.3216	10.4219	0.932839
3	hcs123a10	11072	DUSP14	0.357972	1.18428	10.5691	10.4568	1.08093
5	hcs123a10	11072	DUSP14	0.630738	0.56193	10.076	10.0175	1.04139
7	hcs123a10	11072	DUSP14	0.153097	-2.25239	9.85429	9.97318	-1.0859
1	hcs123a11	55167	MSL2	0.402379	1.05411	10.1988	10.267	0.953805
3	hcs123a11	55167	MSL2	0.0372032	-5.03874	10.3793	10.527	-1.10786
5	hcs123a11	55167	MSL2	0.794389	0.297126	10.1749	10.1648	1.00697
7	hcs123a11	55167	MSL2	0.286936	-1.43835	9.8904	9.93414	-1.03078
1	hcs123b01			0.0411531	4.77598	10.624	10.8135	0.876909
3	hcs123b01			0.729868	-0.396776	10.7445	10.8749	-1.0946
5	hcs123b01			0.172593	-2.08356	10.5097	10.6259	-1.0839
7	hcs123b01			0.301701	1.37963	10.4693	10.3709	1.07062
1	hcs123b02	8658	TNKS	0.215198	1.79086	9.99125	10.218	0.854585
3	hcs123b02	8658	TNKS	0.713568	-0.42279	10.1508	10.2663	-1.08339
5	hcs123b02	8658	TNKS	0.538676	0.735333	10.2162	10.1087	1.07735
7	hcs123b02	8658	TNKS	0.206802	1.84207	10.083	9.90126	1.13427
1	hcs123b04	146754	DNAH2	0.220233	1.7614	10.1104	10.3753	0.832252
3	hcs123b04	146754	DNAH2	0.731067	-0.394877	10.3812	10.4573	-1.05419
5	hcs123b04	146754	DNAH2	0.706118	0.434813	10.3049	10.2313	1.05237
7	hcs123b04	146754	DNAH2	0.0041925	15.3954	10.316	10.06	1.19422
1	hcs123b05	5771	PTPN2	0.912871	-0.12369	9.49521	9.45917	1.0253
3	hcs123b05	5771	PTPN2	0.519473	-0.774894	10.0053	10.2074	-1.15043
5	hcs123b05	5771	PTPN2	0.514172	-0.786066	9.66349	9.7501	-1.06187
7	hcs123b05	5771	PTPN2	0.914437	0.12145	9.64757	9.63481	1.00888
1	hcs123b06	?	?	0.548319	0.715969	11.3468	11.4244	0.947633
3	hcs123b06	?	?	0.722017	0.409259	11.6077	11.5194	1.06312
5	hcs123b06	?	?	0.510591	0.793677	11.5686	11.4494	1.08616



7	hcs123b06	?	?	0.0889373	3.12524	11.2317	11.1834	1.03402
1	hcs123b07	26520	TIMM9	0.373925	1.13548	10.3769	10.4216	0.969469
3	hcs123b07	26520	TIMM9	0.893266	-0.151812	10.5731	10.6044	-1.02198
5	hcs123b07	26520	TIMM9	0.800283	0.288249	10.5773	10.5201	1.04042
7	hcs123b07	26520	TIMM9	0.177335	2.04638	10.3274	10.0878	1.18069
1	hcs123b08	9128	PRPF4	0.307653	-1.35695	10.3497	10.2987	1.03598
3	hcs123b08	9128	PRPF4	0.760777	-0.34843	10.4088	10.5068	-1.07029
5	hcs123b08	9128	PRPF4	0.814976	0.266261	10.4657	10.4182	1.03345
7	hcs123b08	9128	PRPF4	0.177365	2.04615	10.1184	10.0823	1.0253
1	hcs123b09	8842	PROM1	0.670391	0.493728	10.7218	10.91	0.8777
3	hcs123b09	8842	PROM1	0.724484	-0.405326	10.6051	10.6732	-1.04834
5	hcs123b09	8842	PROM1	0.0242566	6.30333	10.9984	10.4891	1.42336
7	hcs123b09	8842	PROM1	0.0280078	5.84905	10.6913	10.3369	1.27848
1	hcs123b10	9148	NEURL	0.247751	1.61462	10.0816	10.3492	0.83071
3	hcs123b10	9148	NEURL	0.52498	-0.763408	10.077	10.3162	-1.18034
5	hcs123b10	9148	NEURL	0.64662	0.534223	10.3333	10.2427	1.06485
7	hcs123b10	9148	NEURL	0.211288	1.81437	10.1909	9.96192	1.172
1	hcs123b11	453389	FRMD5	0.962395	-0.05321919	9.76793	9.7645	1.00238
3	hcs123b11	453389	FRMD5	0.498784	-0.819147	9.57741	9.8016	-1.16812
5	hcs123b11	453389	FRMD5	0.938743	0.0867935	9.63959	9.62512	1.01008
7	hcs123b11	453389	FRMD5	0.0298462	-5.65797	9.48602	9.54324	-1.04046
1	hcs123b12	3035	HARS	0.615215	0.58956	10.0488	10.1088	0.959248
3	hcs123b12	3035	HARS	0.745543	-0.372104	9.92658	10.0373	-1.0798
5	hcs123b12	3035	HARS	0.570676	0.672265	10.0457	9.93181	1.08214
7	hcs123b12	3035	HARS	0.447593	0.937195	9.85874	9.75549	1.07419
1	hcs123c01	23081	KDM4C	0.268602	-1.51675	10.2987	10.1531	1.10615
3	hcs123c01	23081	KDM4C	0.437352	-0.96251	10.2436	10.4554	-1.15811
5	hcs123c01	23081	KDM4C	0.353589	1.19813	10.4014	10.2771	1.08998
7	hcs123c01	23081	KDM4C	0.720024	0.41244	9.97388	9.94597	1.01954
1	hcs123c02	11079	RER1	0.444746	0.944169	10.0947	10.4541	0.779471
3	hcs123c02	11079	RER1	0.570162	-0.673252	10.6185	10.7052	-1.06196
5	hcs123c02	11079	RER1	0.94922	-0.0719066	10.5426	10.5515	-1.00616
7	hcs123c02	11079	RER1	0.867202	0.189483	10.0705	10.0274	1.03031
1	hcs123c04	284716	RIMKLA	0.618464	0.58373	10.3581	10.4334	0.949112
3	hcs123c04	284716	RIMKLA	0.265383	1.53122	11.3063	10.9327	1.29561
5	hcs123c04	284716	RIMKLA	0.272617	-1.49902	10.9849	11.3728	-1.30852
7	hcs123c04	284716	RIMKLA	0.18657	-1.97772	9.65766	10.0862	-1.34584
1	hcs123c05	7566	ZNF18	0.538028	0.736646	9.48036	9.77175	0.817114
3	hcs123c05	7566	ZNF18	0.780663	0.317931	10.5416	10.4495	1.06588
5	hcs123c05	7566	ZNF18	0.69259	0.456866	10.6573	10.5811	1.05428
1	hcs123c06	83546	RTBDN	0.0340309	5.28145	9.86011	9.98885	0.91463
3	hcs123c06	83546	RTBDN	0.870341	0.184926	10.2958	10.2711	1.01731
5	hcs123c06	83546	RTBDN	0.670319	0.493849	10.186	10.1229	1.04473
7	hcs123c06	83546	RTBDN	0.406067	1.04404	9.85352	9.82989	1.01651
1	hcs123c07	84812	PLCD4	0.590859	0.634116	9.92602	10.0265	0.93272
3	hcs123c07	84812	PLCD4	0.584118	-0.646728	10.3045	10.4057	-1.07261
5	hcs123c07	84812	PLCD4	0.782852	0.3146	10.0561	10.0353	1.01457

7	hcs123c07	84812	PLCD4	0.76992	0.334353	9.72936	9.68464	1.03149
1	hcs123c08	?	?	0.569942	0.673675	9.85465	9.95748	0.931207
3	hcs123c08	?	?	0.170926	-2.09695	10.2469	10.3938	-1.10725
5	hcs123c08	?	?	0.990493	-0.0134451	9.86985	9.87169	-1.00128
7	hcs123c08	?	?	0.143087	2.35102	9.67295	9.42624	1.1865
1	hcs123c09	4326	MMP17	0.254731	-1.58072	10.2907	10.1316	1.11658
3	hcs123c09	4326	MMP17	0.761921	-0.346662	10.6146	10.6673	-1.03719
5	hcs123c09	4326	MMP17	0.239242	-1.65765	10.4339	10.683	-1.18852
7	hcs123c09	4326	MMP17	0.190259	-1.95155	9.84867	9.87168	-1.01607
1	hcs123c10	116983	ACAP3	0.716385	0.418266	10.0871	10.1866	0.933371
3	hcs123c10	116983	ACAP3	0.186974	-1.97482	10.2839	10.5246	-1.18151
5	hcs123c10	116983	ACAP3	0.847812	0.217763	10.2302	10.203	1.01905
7	hcs123c10	116983	ACAP3	0.551329	0.709991	9.94256	9.84827	1.06754
1	hcs123c11	6196	RPS6KA2	0.320475	1.30988	10.2969	10.4203	0.918001
3	hcs123c11	6196	RPS6KA2	0.884509	-0.164429	10.3497	10.3766	-1.0188
5	hcs123c11	6196	RPS6KA2	0.977537	-0.0317757	10.3696	10.3742	-1.00315
7	hcs123c11	6196	RPS6KA2	0.281358	1.46152	10.0852	9.96741	1.08507
1	hcs123c12	?	?	0.754686	-0.357861	9.89764	9.88282	1.01033
3	hcs123c12	?	?	0.182629	-2.00645	9.94463	10.2411	-1.22812
5	hcs123c12	?	?	0.571727	-0.670248	9.80234	9.88116	-1.05616
7	hcs123c12	?	?	0.951019	0.0693521	9.63219	9.62825	1.00274
1	hcs123d02	2048	EPHB2	0.23161	-1.69797	10.2797	10.1647	1.08298
3	hcs123d02	2048	EPHB2	0.38594	-1.10029	10.2819	10.4019	-1.08673
5	hcs123d02	2048	EPHB2	0.262687	-1.54351	10.0853	10.162	-1.05458
7	hcs123d02	2048	EPHB2	0.565859	-0.681547	10.0538	10.1047	-1.03588
1	hcs123d03	84892	C3orf39	0.272133	-1.50114	9.85629	9.7702	1.06149
3	hcs123d03	84892	C3orf39	0.435401	-0.967407	10.3047	10.5077	-1.15106
5	hcs123d03	84892	C3orf39	0.988067	0.0168775	9.85921	9.85764	1.00109
7	hcs123d03	84892	C3orf39	0.9153	-0.120216	9.78765	9.79679	-1.00636
1	hcs123d04	9360	PPIG	0.347187	1.21874	10.2293	10.6706	0.736454
3	hcs123d04	9360	PPIG	0.723667	0.406627	10.9853	10.8681	1.08458
5	hcs123d04	9360	PPIG	0.0317118	-5.48106	10.5871	10.8027	-1.16113
7	hcs123d04	9360	PPIG	0.282913	-1.45501	10.3729	10.5497	-1.13037
1	hcs123d05	26100	WIPI2	0.290082	1.42552	10.5997	10.66	0.959043
3	hcs123d05	26100	WIPI2	0.696877	-0.449846	11.1317	11.1618	-1.02111
5	hcs123d05	26100	WIPI2	0.233024	-1.69037	10.8667	10.9516	-1.06064
7	hcs123d05	26100	WIPI2	0.3718	1.14184	10.6526	10.5653	1.06236
1	hcs123d06	2887	GRB10	0.215996	-1.78613	10.61	10.4895	1.08711
3	hcs123d06	2887	GRB10	0.40617	1.04376	10.8597	10.4893	1.29271
5	hcs123d06	2887	GRB10	0.207556	-1.83735	10.1658	10.2811	-1.08322
7	hcs123d06	2887	GRB10	0.240272	-1.65234	10.1144	10.328	-1.15957
1	hcs123d07	25936	NSL1	0.292038	1.41764	10.2513	10.4005	0.901729
3	hcs123d07	25936	NSL1	0.446744	0.939269	10.6954	10.635	1.0428
5	hcs123d07	25936	NSL1	0.70211	-0.441316	10.3687	10.4168	-1.03385
7	hcs123d07	25936	NSL1	0.527282	-0.75864	10.1457	10.2053	-1.04217
3	hcs123d08	414918	FAM116B	0.294061	1.40955	10.1558	10.0639	1.06579
5	hcs123d08	414918	FAM116B	0.698362	-0.447421	9.76961	9.82412	-1.0385

7	hcs123d08	414918	FAM116B	0.172745	-2.08234	9.59124	9.63501	-1.0308
1	hcs123d09			0.388722	-1.09232	11.0544	10.9907	1.04512
3	hcs123d09			0.999079	-0.0013017	11.3643	11.3645	-1.00009
5	hcs123d09			0.212736	-1.8056	11.0896	11.2623	-1.12717
7	hcs123d09			0.475402	-0.871432	10.8784	10.9684	-1.06432
1	hcs123d10			0.607234	-0.603994	10.202	10.1672	1.02444
3	hcs123d10			0.909666	-0.128276	10.2407	10.256	-1.01071
5	hcs123d10			0.127644	-2.52356	9.88381	10.0781	-1.14418
7	hcs123d10			0.898018	-0.14498	9.99323	10.0023	-1.00631
1	hcs123d11	51529	ANAPC11	0.69333	-0.455652	10.7581	10.7181	1.02809
3	hcs123d11	51529	ANAPC11	0.563079	-0.686936	10.6942	10.753	-1.04165
5	hcs123d11	51529	ANAPC11	0.590861	-0.634112	10.5941	10.6927	-1.07073
7	hcs123d11	51529	ANAPC11	0.407717	-1.03957	10.3801	10.5027	-1.08864
1	hcs123d12	5578	PRKCA	0.295952	-1.40206	9.51968	9.3748	1.10564
3	hcs123d12	5578	PRKCA	0.0080726	-11.0624	9.46508	9.61493	-1.10945
5	hcs123d12	5578	PRKCA	0.410923	-1.03094	9.38846	9.4671	-1.05602
7	hcs123d12	5578	PRKCA	0.189536	-1.95663	9.00662	9.34817	-1.26711
1	hcs123e01	?	?	0.453545	-0.922763	10.1074	9.94187	1.12158
3	hcs123e01	?	?	0.329049	1.27966	10.5837	10.3018	1.2158
5	hcs123e01	?	?	0.502019	0.812108	10.193	10.0535	1.10146
7	hcs123e01	?	?	0.474084	-0.874456	9.71981	9.90557	-1.13741
1	hcs123e02	10730	YME1L1	0.183979	1.99651	9.99774	10.3285	0.795096
3	hcs123e02	10730	YME1L1	0.692089	-0.457689	10.4519	10.5417	-1.06425
5	hcs123e02	10730	YME1L1	0.900708	-0.141118	10.2077	10.2244	-1.01161
7	hcs123e02	10730	YME1L1	0.630621	0.562136	10.0296	9.94785	1.0583
1	hcs123e03	8644	AKR1C3	0.853567	-0.209344	10.3621	10.3242	1.02665
3	hcs123e03	8644	AKR1C3	0.528196	0.756753	10.8786	10.7556	1.08905
5	hcs123e03	8644	AKR1C3	0.251338	1.59705	10.5142	10.4221	1.06592
7	hcs123e03	8644	AKR1C3	0.998	0.0028278	10.1214	10.1211	1.00021
1	hcs123e04			0.392605	1.0813	10.5049	10.6146	0.926802
3	hcs123e04			0.648032	0.531787	11.0602	10.9443	1.08365
5	hcs123e04			0.706726	0.433829	10.5845	10.5008	1.05968
7	hcs123e04			0.927193	0.103239	10.272	10.2577	1.00991
1	hcs123e05	51479	ANKFY1	0.837213	0.233328	10.8496	10.8715	0.984957
3	hcs123e05	51479	ANKFY1	0.448346	0.935357	11.1962	11.0906	1.07592
5	hcs123e05	51479	ANKFY1	0.980319	-0.0278383	10.9298	10.9314	-1.00109
7	hcs123e05	51479	ANKFY1	0.937403	0.0886999	10.4871	10.4808	1.00438
1	hcs123e06	?	?	0.928711	0.101075	10.1713	10.205	0.976896
3	hcs123e06	?	?	0.615093	0.589779	10.8906	10.7329	1.11554
5	hcs123e06	?	?	0.536577	-0.739591	10.5882	10.8737	-1.21879
7	hcs123e06	?	?	0.190497	-1.94989	9.55861	9.97036	-1.3303
1	hcs123e08	375133	PI4KAP2	0.639403	0.546746	10.3986	10.4327	0.976663
3	hcs123e08	375133	PI4KAP2	0.135182	2.43592	10.6596	10.5332	1.09159
5	hcs123e08	375133	PI4KAP2	0.294626	1.40731	10.3018	10.2586	1.03037
7	hcs123e08	375133	PI4KAP2	0.5154	-0.783468	9.99042	10.0633	-1.05182
1	hcs123e09	?	?	0.590121	-0.63549	10.0852	10.0142	1.05046
3	hcs123e09	?	?	0.898237	-0.144666	10.4609	10.4887	-1.01944

5	hcs123e09	?	?	0.997346	-0.0037538	10.1402	10.1405	-1.00019
7	hcs123e09	?	?	0.280306	-1.46596	9.6232	9.96191	-1.26463
1	hcs123e10	83538	TTC25	0.628837	0.565283	10.2472	10.2726	0.982566
3	hcs123e10	83538	TTC25	0.868344	0.187824	10.4798	10.443	1.02584
5	hcs123e10	83538	TTC25	0.370901	-1.14454	10.2428	10.2929	-1.03531
7	hcs123e10	83538	TTC25	0.208076	1.83412	10.0013	9.87304	1.09294
1	hcs123e11	54939	COMMD4	0.407196	-1.04098	10.7149	10.6017	1.08165
3	hcs123e11	54939	COMMD4	0.99296	-0.0099558	10.7063	10.7079	-1.00111
5	hcs123e11	54939	COMMD4	0.888208	0.159095	10.5959	10.592	1.00266
7	hcs123e11	54939	COMMD4	0.399478	-1.0621	10.1937	10.2597	-1.04686
1	hcs123e12			0.502725	0.810579	9.9231	10.0079	0.942941
3	hcs123e12			0.0294765	-5.69498	10.1592	10.4163	-1.19509
5	hcs123e12			0.242935	-1.63874	9.73609	9.7938	-1.04081
7	hcs123e12			0.688425	-0.463716	9.55767	9.65928	-1.07297
1	hcs123f01	10906	TRAFD1	0.590492	-0.6348	10.3411	10.2799	1.04337
3	hcs123f01	10906	TRAFD1	0.772761	0.329998	11.016	10.9594	1.04001
5	hcs123f01	10906	TRAFD1	0.0021808	-21.3782	10.4366	10.6473	-1.15728
7	hcs123f01	10906	TRAFD1	0.28681	-1.43887	9.89475	9.97385	-1.05636
3	hcs123f02	84254	CAMKK1	0.767043	-0.338771	10.05	10.1211	-1.05053
5	hcs123f02	84254	CAMKK1	0.0121212	-9.00016	9.94554	10.034	-1.06326
7	hcs123f02	84254	CAMKK1	0.465082	0.895355	9.79572	9.72756	1.04838
1	hcs123f03	5348	FXD1	0.729144	0.397923	10.1775	10.2246	0.967902
3	hcs123f03	5348	FXD1	0.500185	-0.816095	10.1816	10.2641	-1.0589
5	hcs123f03	5348	FXD1	0.743246	0.375699	9.85819	9.78446	1.05243
7	hcs123f03	5348	FXD1	0.970176	0.0421963	9.88913	9.88254	1.00458
1	hcs123f04	6472	SHMT2	0.135914	-2.42777	10.5097	10.388	1.08802
5	hcs123f04	6472	SHMT2	0.652249	0.524532	10.6786	10.6144	1.04551
7	hcs123f04	6472	SHMT2	0.825191	0.251084	10.4146	10.3913	1.01623
1	hcs123f05	4117	MAK	0.400701	1.05872	10.3906	10.5245	0.911365
3	hcs123f05	4117	MAK	0.972987	-0.0382159	10.738	10.7411	-1.0022
5	hcs123f05	4117	MAK	0.21316	-1.80304	10.466	10.6391	-1.12748
7	hcs123f05	4117	MAK	0.960267	-0.056236	10.138	10.1422	-1.00289
1	hcs123f06	2119	ETV5	0.211801	-1.81125	10.191	9.75085	1.35674
3	hcs123f06	2119	ETV5	0.47119	0.88113	10.3313	10.1477	1.13573
5	hcs123f06	2119	ETV5	0.10997	-2.76089	9.87078	10.0675	-1.14608
1	hcs123f07	3705	ITPK1	0.268652	1.51653	10.0096	10.1705	0.894469
3	hcs123f07	3705	ITPK1	0.555925	-0.70092	10.5205	10.5609	-1.02842
5	hcs123f07	3705	ITPK1	0.711768	-0.425688	10.2097	10.2426	-1.02302
7	hcs123f07	3705	ITPK1	0.485507	0.848521	10.0924	10.0177	1.0531
3	hcs123f08	4087	SMAD2	0.312408	1.33922	10.2837	9.66271	1.53797
5	hcs123f08	4087	SMAD2	0.180801	-2.02006	9.70273	10.3342	-1.54911
1	hcs123f09	23381	SMG5	0.336755	-1.2533	10.3029	10.1979	1.07551
3	hcs123f09	23381	SMG5	0.391997	1.08302	10.5336	10.343	1.14124
5	hcs123f09	23381	SMG5	0.208359	1.83237	10.0727	9.89481	1.13125
7	hcs123f09	23381	SMG5	0.166915	2.12993	10.004	9.86779	1.09905
1	hcs123f10	28996	HIPK2	0.485165	-0.849289	9.95989	9.7985	1.11837
3	hcs123f10	28996	HIPK2	0.31039	1.3467	10.0071	9.83029	1.13037

5	hcs123f10	28996	HIPK2	0.635708	-0.553201	9.68347	9.77585	-1.06613
7	hcs123f10	28996	HIPK2	0.435265	-0.967748	9.62804	9.87257	-1.18471
1	hcs123f11	222008	VSTM2A	0.287167	-1.4374	9.73596	9.2145	1.43541
5	hcs123f11	222008	VSTM2A	0.814037	0.267661	9.0073	8.95268	1.03858
1	hcs123f12	6909	TBX2	0.930863	-0.0980084	10.1888	10.17	1.01313
3	hcs123f12	6909	TBX2	0.56629	-0.680713	10.053	10.2045	-1.11075
5	hcs123f12	6909	TBX2	0.905843	-0.133752	10.0978	10.1297	-1.02231
7	hcs123f12	6909	TBX2	0.777164	0.323267	9.95592	9.91921	1.02577
1	hcs123g01	6662	SOX9	0.029877	5.65492	10.8988	10.9673	0.953651
3	hcs123g01	6662	SOX9	0.580836	0.652914	11.3543	11.2276	1.09179
5	hcs123g01	6662	SOX9	0.466217	0.892695	11.0607	10.9982	1.04425
7	hcs123g01	6662	SOX9	0.791753	0.301107	10.4637	10.4479	1.01099
1	hcs123g02	23513	SCRIB	0.831516	0.241728	10.611	10.6224	0.992106
3	hcs123g02	23513	SCRIB	0.739987	0.380811	10.8237	10.7703	1.03776
5	hcs123g02	23513	SCRIB	0.761368	-0.347517	10.7212	10.7654	-1.03116
7	hcs123g02	23513	SCRIB	0.440962	0.953515	10.2882	10.2383	1.03519
1	hcs123g03	9752	PCDHA9	0.755416	-0.356728	10.5261	10.4851	1.02882
3	hcs123g03	9752	PCDHA9	0.586923	0.641464	10.8151	10.7322	1.05914
5	hcs123g03	9752	PCDHA9	0.445264	0.942897	10.6374	10.504	1.09693
7	hcs123g03	9752	PCDHA9	0.453393	0.923129	10.2089	10.1265	1.05875
1	hcs123g04	51530	ZC3HC1	0.574471	-0.665001	10.3343	10.2657	1.04867
3	hcs123g04	51530	ZC3HC1	0.696079	0.45115	10.309	10.2151	1.06725
5	hcs123g04	51530	ZC3HC1	0.501422	0.813406	10.4388	10.3642	1.05311
7	hcs123g04	51530	ZC3HC1	0.881291	0.169075	9.85011	9.80759	1.02991
1	hcs123g05	?	?	0.424284	0.995763	10.4233	10.4741	0.965423
3	hcs123g05	?	?	0.605114	0.607853	10.8933	10.8085	1.06052
5	hcs123g05	?	?	0.655289	0.519325	10.8283	10.8045	1.01668
7	hcs123g05	?	?	0.373592	-1.13647	10.1411	10.332	-1.14152
1	hcs123g06	9801	MRPL19	0.0542244	4.11774	10.4501	10.6531	0.86874
3	hcs123g06	9801	MRPL19	0.466804	0.891325	11.3726	11.1188	1.19232
5	hcs123g06	9801	MRPL19	0.481634	-0.857244	10.2496	10.4827	-1.17542
7	hcs123g06	9801	MRPL19	0.133084	-2.45961	9.97138	10.2231	-1.19058
1	hcs123g07	7381	UQCRB	0.783984	-0.31288	10.9204	10.8752	1.03185
3	hcs123g07	7381	UQCRB	0.349366	1.21168	11.1831	10.9739	1.15605
5	hcs123g07	7381	UQCRB	0.595378	0.625733	10.987	10.9224	1.04579
7	hcs123g07	7381	UQCRB	0.0016253	-24.7742	10.4297	10.7535	-1.25159
1	hcs123g08	4358	MPV17	0.425548	-0.992499	10.6596	10.548	1.08043
3	hcs123g08	4358	MPV17	0.268761	1.51605	10.6041	10.4358	1.12373
5	hcs123g08	4358	MPV17	0.806443	-0.279007	10.5358	10.5531	-1.01204
7	hcs123g08	4358	MPV17	0.0586178	-3.94649	10.1878	10.2485	-1.04302
1	hcs123g09	?	?	0.110424	-2.75413	10.0116	9.86748	1.10506
3	hcs123g09	?	?	0.845777	0.220745	10.5017	10.4696	1.02252
5	hcs123g09	?	?	0.230352	-1.70478	9.94292	10.0122	-1.04919
7	hcs123g09	?	?	0.365084	-1.16222	9.60524	9.79046	-1.13699
1	hcs123g10	152789	JAKMIP1	0.625839	-0.570589	10.5049	10.4156	1.06385
3	hcs123g10	152789	JAKMIP1	0.730882	-0.395169	10.8325	10.8805	-1.03378
5	hcs123g10	152789	JAKMIP1	0.15159	-2.26666	10.5589	10.72	-1.11817

7	hcs123g10	152789	JAKMIP1	0.0324922	-5.41155	9.81823	10.1552	-1.2631
1	hcs123g11	4135	MAP6	0.637024	0.550897	10.2566	10.302	0.968999
3	hcs123g11	4135	MAP6	0.868048	-0.188255	10.478	10.4893	-1.00784
5	hcs123g11	4135	MAP6	0.644116	0.538556	10.2346	10.1841	1.03562
7	hcs123g11	4135	MAP6	0.51375	0.786959	10.013	9.95601	1.04029
1	hcs123g12	6908	TBP	0.946793	-0.0753524	9.90707	9.9035	1.00248
3	hcs123g12	6908	TBP	0.876224	-0.176403	10.3235	10.3424	-1.01317
5	hcs123g12	6908	TBP	0.420078	-1.0067	9.73155	9.85763	-1.09132
1	hcs123h01	?	?	0.577376	-0.65947	9.90109	9.89441	1.00464
3	hcs123h01	?	?	0.298725	-1.39117	10.1515	10.3255	-1.12818
5	hcs123h01	?	?	0.632764	0.558363	9.94429	9.8941	1.0354
7	hcs123h01	?	?	0.992391	-0.0107615	9.64611	9.64661	-1.00034
1	hcs123h02	59353	TMEM35	0.302509	1.37651	9.96502	10.1692	0.868012
3	hcs123h02	59353	TMEM35	0.386471	-1.09876	10.1562	10.3575	-1.14975
5	hcs123h02	59353	TMEM35	0.540256	-0.732139	9.76371	9.85427	-1.06478
7	hcs123h02	59353	TMEM35	0.384666	-1.10396	9.89703	9.98951	-1.0662
1	hcs123h03			0.482787	0.85464	10.2632	10.3039	0.972152
3	hcs123h03			0.878632	0.172918	10.3283	10.3019	1.01844
5	hcs123h03			0.140842	-2.37445	10.3277	10.4235	-1.06861
7	hcs123h03			0.92838	-0.101547	10.1213	10.1336	-1.00855
1	hcs123h04	84219	WDR24	0.532047	0.748836	10.5867	10.8207	0.850274
3	hcs123h04	84219	WDR24	0.350355	1.20849	11.0873	10.9487	1.10081
5	hcs123h04	84219	WDR24	0.683576	-0.471729	10.5894	10.6565	-1.04758
7	hcs123h04	84219	WDR24	0.580446	-0.65365	10.4742	10.5665	-1.06609
1	hcs123h05	55269	PSPC1	0.554706	0.703319	10.0318	10.2409	0.865094
3	hcs123h05	55269	PSPC1	0.83401	0.238047	10.3343	10.262	1.05135
5	hcs123h05	55269	PSPC1	0.085919	-3.18768	9.91857	10.2722	-1.27779
7	hcs123h05	55269	PSPC1	0.431625	-0.97695	9.57121	9.72491	-1.11242
1	hcs123h06	4650	MYO9B	0.324101	1.29698	11.5612	11.9349	0.771818
3	hcs123h06	4650	MYO9B	0.891059	-0.154989	12.0054	12.0214	-1.01113
5	hcs123h06	4650	MYO9B	0.57041	-0.672776	11.8619	11.9919	-1.09429
7	hcs123h06	4650	MYO9B	0.0649198	-3.731	11.3702	11.7133	-1.26848
1	hcs123h07	5578	PRKCA	0.756395	0.35521	12.2887	12.384	0.936099
3	hcs123h07	5578	PRKCA	0.335025	1.25915	12.5172	12.3704	1.10706
5	hcs123h07	5578	PRKCA	0.195962	1.91242	12.4184	12.0801	1.26432
7	hcs123h07	5578	PRKCA	0.0110381	9.43918	12.2314	11.7058	1.4395
1	hcs123h08	643834	PGA3	0.742829	0.376353	10.4301	10.4898	0.959446
3	hcs123h08	643834	PGA3	0.731838	-0.393657	10.6574	10.6768	-1.01354
5	hcs123h08	643834	PGA3	0.825345	0.250856	10.4514	10.4173	1.02386
7	hcs123h08	643834	PGA3	0.561158	-0.690675	10.2261	10.2732	-1.03318
1	hcs123h09	?	?	0.552092	0.70848	10.1874	10.257	0.952913
3	hcs123h09	?	?	0.261411	-1.54938	10.3717	10.5368	-1.1213
5	hcs123h09	?	?	0.338921	-1.24602	10.0162	10.0956	-1.05656
7	hcs123h09	?	?	0.532264	-0.74839	9.8688	9.94346	-1.05311
1	hcs123h10	1977	EIF4E	0.483785	-0.852391	9.85928	9.67934	1.13284
5	hcs123h10	1977	EIF4E	0.535557	-0.741665	9.71616	9.8963	-1.133
1	hcs123h11	8869	ST3GAL5	0.380518	1.11601	10.0471	10.0947	0.967576

3	hcs123h11	8869	ST3GAL5	0.155791	-2.22735	10.1926	10.3387	-1.10658
5	hcs123h11	8869	ST3GAL5	0.627869	-0.566994	9.83173	9.92217	-1.06469
7	hcs123h11	8869	ST3GAL5	0.555742	-0.70128	9.70052	9.81111	-1.07967
1	hcs123h12	5148	PDE6G	0.933473	0.0942923	10.2338	10.2431	0.993591
3	hcs123h12	5148	PDE6G	0.903865	-0.136588	10.2338	10.265	-1.02187
5	hcs123h12	5148	PDE6G	0.599804	-0.617573	10.0848	10.2307	-1.10644
7	hcs123h12	5148	PDE6G	0.312984	1.33709	9.92645	9.84424	1.05864
1	hcs124a01	84814	PPAPDC3	0.282275	1.45767	10.024	10.1346	0.926173
3	hcs124a01	84814	PPAPDC3	0.536424	-0.739901	10.6389	10.7704	-1.09548
5	hcs124a01	84814	PPAPDC3	0.954279	-0.0647272	10.3341	10.3402	-1.00422
7	hcs124a01	84814	PPAPDC3	0.706339	0.434454	9.97634	9.93993	1.02555
1	hcs124a02			0.874816	0.17844	9.57674	9.62927	0.964244
3	hcs124a02			0.94311	-0.0805845	10.2756	10.295	-1.01357
5	hcs124a02			0.192471	-1.93619	10.0496	10.5833	-1.44767
1	hcs124a04	84287	ZDHHC16	0.927539	-0.102745	10.6948	10.678	1.01169
5	hcs124a04	84287	ZDHHC16	0.905055	-0.134882	10.5229	10.5497	-1.01875
7	hcs124a04	84287	ZDHHC16	0.290357	1.42441	10.254	10.2267	1.01909
1	hcs124a05	3670	ISL1	0.311415	-1.34289	10.5705	10.3145	1.19413
3	hcs124a05	3670	ISL1	0.161296	2.17799	10.4997	10.3753	1.09005
5	hcs124a05	3670	ISL1	0.991111	0.0125721	10.0369	10.0329	1.00278
7	hcs124a05	3670	ISL1	0.491275	-0.835663	9.74591	9.93826	-1.14263
1	hcs124a06	?	?	0.345317	1.22484	9.7709	9.86827	0.934737
3	hcs124a06	?	?	0.864769	0.193018	10.5498	10.519	1.02155
5	hcs124a06	?	?	0.375153	-1.13182	9.76502	9.91186	-1.10714
1	hcs124a07	157627	LOC157627	0.638339	-0.5486	10.6232	10.6001	1.01616
3	hcs124a07	157627	LOC157627	0.773345	0.329103	10.5703	10.5208	1.03488
5	hcs124a07	157627	LOC157627	0.934334	-0.0930667	10.7129	10.7223	-1.00656
7	hcs124a07	157627	LOC157627	0.360953	-1.17497	10.1886	10.2773	-1.06339
1	hcs124a08	7170	TPM3	0.702528	-0.440637	11.0714	11.0047	1.04734
3	hcs124a08	7170	TPM3	0.286723	1.43922	11.274	11.1148	1.11662
5	hcs124a08	7170	TPM3	0.754049	0.358851	11.1888	11.0956	1.06676
7	hcs124a08	7170	TPM3	0.207194	-1.83962	10.2592	10.6117	-1.27677
1	hcs124a09	93183	PIGM	0.0111023	9.41137	10.3628	10.4586	0.935753
3	hcs124a09	93183	PIGM	0.711671	0.425843	10.7181	10.6939	1.01694
5	hcs124a09	93183	PIGM	0.183824	-1.99765	10.3506	10.4752	-1.09018
7	hcs124a09	93183	PIGM	0.0592789	-3.92233	9.93104	10.1831	-1.19094
1	hcs124a10	4361	MRE11A	0.979324	-0.0292461	11.273	11.27	1.00206
3	hcs124a10	4361	MRE11A	0.963701	0.0513681	11.5493	11.5455	1.00264
5	hcs124a10	4361	MRE11A	0.0447226	-4.56854	10.9423	11.1478	-1.15309
7	hcs124a10	4361	MRE11A	0.287146	-1.43749	10.9693	11.0553	-1.06147
1	hcs124a11	?	?	0.864208	-0.193834	9.92478	9.89982	1.01745
3	hcs124a11	?	?	0.670901	0.492871	10.3965	10.3456	1.03589
5	hcs124a11	?	?	0.178051	-2.04089	9.98868	10.1555	-1.12261
7	hcs124a11	?	?	0.788996	-0.305278	10.0254	10.0516	-1.01837
1	hcs124a12	10615	SPAG5	0.0527864	-4.17826	10.3643	10.1941	1.12525
3	hcs124a12	10615	SPAG5	0.280086	-1.46689	10.2427	10.4221	-1.13246
5	hcs124a12	10615	SPAG5	0.261021	-1.55118	9.99803	10.2406	-1.18309

7	hcs124a12	10615	SPAG5	0.85606	-0.205704	9.70075	9.73966	-1.02734
1	hcs124b01	80150	ASRGL1	0.934266	0.0931634	9.41794	9.4333	0.989408
3	hcs124b01	80150	ASRGL1	0.605094	-0.60789	9.78074	9.97063	-1.14068
5	hcs124b01	80150	ASRGL1	0.667441	0.498695	9.61226	9.4947	1.0849
1	hcs124b02	6676	SPAG4	0.0896069	3.1118	10.0716	10.3274	0.837548
3	hcs124b02	6676	SPAG4	0.386516	-1.09863	10.2913	10.5282	-1.1785
5	hcs124b02	6676	SPAG4	0.40276	1.05307	10.3269	10.2697	1.04043
7	hcs124b02	6676	SPAG4	0.793526	-0.29843	10.0377	10.0733	-1.02493
1	hcs124b03	124930	ANKRD13B	0.608611	0.601491	10.6233	10.7703	0.903127
3	hcs124b03	124930	ANKRD13B	0.839762	-0.229578	10.6968	10.7545	-1.04083
5	hcs124b03	124930	ANKRD13B	0.882017	0.168026	10.8042	10.7725	1.02219
7	hcs124b03	124930	ANKRD13B	0.21413	1.79722	10.7664	10.5727	1.14367
1	hcs124b04			0.292869	1.41431	10.3447	10.5767	0.851454
3	hcs124b04			0.603397	-0.610988	10.5044	10.6148	-1.07953
5	hcs124b04			0.410325	1.03255	10.4963	10.3706	1.09104
7	hcs124b04			0.562945	-0.687198	10.2785	10.3208	-1.02976
1	hcs124b05	79726	WDR59	0.272464	1.49969	10.0517	10.238	0.878883
3	hcs124b05	79726	WDR59	0.74855	-0.367408	10.2329	10.3077	-1.05319
5	hcs124b05	79726	WDR59	0.680521	0.476799	10.2395	10.1691	1.04996
7	hcs124b05	79726	WDR59	0.0666133	3.67821	10.2411	10.0267	1.16028
1	hcs124b06	6836	SURF4	0.485983	0.847455	11.1733	11.2538	0.945751
3	hcs124b06	6836	SURF4	0.613395	0.592837	11.5189	11.4137	1.07562
5	hcs124b06	6836	SURF4	0.57016	0.673255	11.4439	11.346	1.07021
7	hcs124b06	6836	SURF4	0.207602	1.83707	11.2529	11.1114	1.10308
1	hcs124b07	?	?	0.175208	2.06289	9.7433	9.82954	0.941973
3	hcs124b07	?	?	0.0989816	-2.9375	9.9123	10.2152	-1.23362
5	hcs124b07	?	?	0.747219	0.369486	9.98374	9.89938	1.06022
7	hcs124b07	?	?	0.634856	0.554693	9.64404	9.52384	1.08689
1	hcs124b08	9939	RBM8A	0.621477	0.578345	10.8939	10.9742	0.945839
3	hcs124b08	9939	RBM8A	0.952012	0.0679429	10.852	10.8383	1.00956
5	hcs124b08	9939	RBM8A	0.842751	0.225185	10.8351	10.7704	1.04584
7	hcs124b08	9939	RBM8A	0.226179	1.72772	10.5882	10.4473	1.10264
1	hcs124b09	794	CALB2	0.110504	2.75294	9.77037	9.90715	0.909545
5	hcs124b09	794	CALB2	0.363225	1.16794	9.69506	9.5179	1.13066
7	hcs124b09	794	CALB2	0.0218734	6.65006	9.98202	9.74501	1.17855
1	hcs124b10	5471	PPAT	0.156723	2.21882	9.86046	10.0511	0.876203
3	hcs124b10	5471	PPAT	0.572872	-0.668055	9.84851	10.0679	-1.1642
5	hcs124b10	5471	PPAT	0.703402	0.439216	10.0523	9.96131	1.06511
7	hcs124b10	5471	PPAT	0.2918	1.4186	9.8025	9.63178	1.12562
1	hcs124b11	57469	PNMAL2	0.382085	1.11144	10.6205	10.8321	0.863599
3	hcs124b11	57469	PNMAL2	0.806445	-0.279004	10.4896	10.5717	-1.05853
5	hcs124b11	57469	PNMAL2	0.575699	0.662659	10.745	10.6238	1.08759
7	hcs124b11	57469	PNMAL2	0.495198	-0.827003	10.4409	10.5905	-1.10921
1	hcs124b12	27327	TNRC6A	0.0436729	4.62695	10.3576	10.7228	0.776379
5	hcs124b12	27327	TNRC6A	0.19978	1.88706	10.6241	10.5043	1.08656
7	hcs124b12	27327	TNRC6A	0.445648	-0.941954	10.2581	10.3354	-1.05502
1	hcs124c01	9256	BZRAP1	0.640987	-0.543987	9.70876	9.61899	1.0642



3	hcs124c01	9256	BZRAP1	0.899421	0.142966	10.1237	10.107	1.01161
5	hcs124c01	9256	BZRAP1	0.997992	-0.0028392	9.8722	9.87267	-1.00033
7	hcs124c01	9256	BZRAP1	0.244203	-1.63233	9.16027	9.6589	-1.41286
1	hcs124c02	3770	KCNJ14	0.408646	1.03706	10.3163	10.6304	0.804334
3	hcs124c02	3770	KCNJ14	0.762066	-0.346439	10.7	10.7828	-1.05905
5	hcs124c02	3770	KCNJ14	0.812901	0.269354	10.8556	10.8057	1.03517
7	hcs124c02	3770	KCNJ14	0.348935	-1.21307	10.2636	10.3186	-1.03891
1	hcs124c03	8824	CES2	0.891323	0.154609	10.8867	10.9012	0.99
3	hcs124c03	8824	CES2	0.709078	-0.430025	11.0971	11.1135	-1.01143
5	hcs124c03	8824	CES2	0.347329	1.21828	11.1462	10.9594	1.13824
7	hcs124c03	8824	CES2	0.823085	-0.254206	10.4911	10.5384	-1.03328
1	hcs124c04	246175	CNOT6L	0.834746	-0.236962	10.453	10.4301	1.01597
3	hcs124c04	246175	CNOT6L	0.475172	0.871958	10.9003	10.6654	1.17687
5	hcs124c04	246175	CNOT6L	0.845974	-0.220456	10.3985	10.4396	-1.02889
7	hcs124c04	246175	CNOT6L	0.339889	-1.24278	9.91133	10.2658	-1.27848
1	hcs124c05	47	ACLY	0.0852441	-3.20207	11.1837	11.0517	1.09579
3	hcs124c05	47	ACLY	0.0645913	3.74148	11.8401	11.442	1.31783
5	hcs124c05	47	ACLY	0.929438	-0.100039	11.3054	11.3262	-1.01457
7	hcs124c05	47	ACLY	0.295305	-1.40462	10.4359	10.5351	-1.07119
1	hcs124c06	?	?	0.61746	-0.58553	10.7263	10.7061	1.01408
3	hcs124c06	?	?	0.288233	1.43304	11.2494	11.0853	1.12047
5	hcs124c06	?	?	0.105686	-2.82664	10.9288	11.025	-1.06898
7	hcs124c06	?	?	0.165625	-2.14076	10.3404	10.5226	-1.13459
1	hcs124c07	?	?	0.658801	0.513334	12.1091	12.3207	0.863579
3	hcs124c07	?	?	0.795174	0.295942	12.1082	12.0161	1.0659
5	hcs124c07	?	?	0.626737	0.568997	12.6954	12.5775	1.0852
7	hcs124c07	?	?	0.234622	-1.68185	11.7688	12.1503	-1.3027
1	hcs124c08			0.298992	-1.39013	10.1317	10.0793	1.03697
3	hcs124c08			0.209877	1.823	10.4964	10.4144	1.05846
5	hcs124c08			0.308379	-1.35422	10.0833	10.2103	-1.09207
7	hcs124c08			0.746689	0.370313	9.7799	9.73132	1.03425
1	hcs124c09	?	?	0.238695	1.66049	9.69328	9.76444	0.951874
3	hcs124c09	?	?	0.0587748	3.94072	10.5328	10.3492	1.1357
5	hcs124c09	?	?	0.134275	-2.4461	9.63405	10.0433	-1.32801
7	hcs124c09	?	?	0.954545	-0.0643489	9.39286	9.40106	-1.0057
1	hcs124c10	?	?	0.720322	0.411964	9.86387	9.87898	0.989581
3	hcs124c10	?	?	0.325921	-1.29057	10.4153	10.4808	-1.04645
5	hcs124c10	?	?	0.121364	-2.60231	9.75118	9.93131	-1.13299
7	hcs124c10	?	?	0.147084	-2.31052	9.54763	9.71836	-1.12563
1	hcs124c11	8912	CACNA1H	0.340253	1.24157	10.183	10.3909	0.865797
3	hcs124c11	8912	CACNA1H	0.377899	-1.1237	10.3088	10.5269	-1.16319
5	hcs124c11	8912	CACNA1H	0.658823	0.513295	10.2935	10.2563	1.02614
7	hcs124c11	8912	CACNA1H	0.02698	-5.96417	9.78025	9.9881	-1.15497
1	hcs124c12	?	?	0.813204	-0.268903	9.63344	9.60868	1.01731
3	hcs124c12	?	?	0.183117	-2.00285	9.93125	10.2919	-1.28404
5	hcs124c12	?	?	0.547132	-0.718337	9.78057	9.84444	-1.04527
7	hcs124c12	?	?	0.513588	0.787304	9.77036	9.65152	1.08586

1	hcs124d01	80017	C14orf159	0.841373	-0.227209	10.0218	9.97294	1.03445
5	hcs124d01	80017	C14orf159	0.48899	0.840738	9.65263	9.46352	1.14005
7	hcs124d01	80017	C14orf159	0.250689	-1.60021	9.82558	9.93084	-1.07569
1	hcs124d02	80853	JHDM1D	0.235239	-1.67858	9.80848	9.65426	1.11282
3	hcs124d02	80853	JHDM1D	0.734391	0.389623	10.1827	10.0619	1.08737
5	hcs124d02	80853	JHDM1D	0.0718191	-3.52739	9.64364	10.0509	-1.32619
7	hcs124d02	80853	JHDM1D	0.945619	-0.077021	9.66711	9.68748	-1.01422
1	hcs124d04	23270	TSPYL4	0.377091	1.12608	9.79028	10.248	0.728156
3	hcs124d04	23270	TSPYL4	0.705828	0.435282	10.6289	10.4634	1.12153
5	hcs124d04	23270	TSPYL4	0.669674	-0.494933	9.52964	9.64143	-1.08056
7	hcs124d04	23270	TSPYL4	0.412427	-1.02692	9.87537	9.99952	-1.08987
1	hcs124d05	51599	LSR	0.35073	1.20728	10.1532	10.2718	0.921081
3	hcs124d05	51599	LSR	0.505546	-0.804487	10.5769	10.6487	-1.05105
5	hcs124d05	51599	LSR	0.327645	-1.28454	10.189	10.2495	-1.04281
7	hcs124d05	51599	LSR	0.996991	0.0042552	10.1519	10.1515	1.00026
1	hcs124d06	2077	ERF	0.0684149	3.62414	13.5443	13.6752	0.913241
3	hcs124d06	2077	ERF	0.452414	0.925491	13.924	13.709	1.16065
5	hcs124d06	2077	ERF	0.594982	0.626464	13.9472	13.8118	1.09842
7	hcs124d06	2077	ERF	0.858489	0.202161	13.5068	13.4545	1.03696
1	hcs124d08	?	?	0.697699	-0.448502	10.453	10.4017	1.0362
5	hcs124d08	?	?	0.579001	-0.656386	10.5744	10.6013	-1.0188
7	hcs124d08	?	?	0.306432	1.36156	10.2351	10.1832	1.03663
1	hcs124d09	51506	UFC1	0.25839	1.56343	10.6807	10.8614	0.882295
3	hcs124d09	51506	UFC1	0.0497364	4.31495	11.0663	10.9474	1.08586
5	hcs124d09	51506	UFC1	0.480768	-0.859204	10.8678	10.9549	-1.06226
7	hcs124d09	51506	UFC1	0.937525	-0.088526	10.4925	10.5004	-1.00544
1	hcs124d10	64940	STAG3L4	0.163233	2.16116	10.1095	10.1728	0.957064
3	hcs124d10	64940	STAG3L4	0.701552	-0.442223	10.2431	10.3085	-1.04642
5	hcs124d10	64940	STAG3L4	0.657248	0.515979	10.2296	10.1685	1.04323
7	hcs124d10	64940	STAG3L4	0.0944786	3.01814	10.0328	9.90693	1.09119
1	hcs124d11			0.737435	-0.384825	10.1239	10.0874	1.02563
3	hcs124d11			0.493647	-0.830417	10.2854	10.3868	-1.07285
5	hcs124d11			0.768354	-0.336757	10.1547	10.2084	-1.0379
7	hcs124d11			0.879548	0.171594	9.93315	9.91651	1.01161
1	hcs124d12	11184	MAP4K1	0.356615	-1.18855	9.79916	9.60571	1.14349
3	hcs124d12	11184	MAP4K1	0.0659049	-3.70006	9.5301	9.77408	-1.18426
5	hcs124d12	11184	MAP4K1	0.760763	-0.348451	9.60805	9.6633	-1.03904
7	hcs124d12	11184	MAP4K1	0.604895	-0.608254	9.4219	9.47935	-1.04062
1	hcs124e01	6101	RP1	0.943011	-0.0807258	9.97906	9.95953	1.01363
3	hcs124e01	6101	RP1	0.357435	1.18597	10.3228	10.1164	1.1538
5	hcs124e01	6101	RP1	0.41386	-1.0231	9.92641	10.2443	-1.24652
7	hcs124e01	6101	RP1	0.5353	0.74219	9.60002	9.47357	1.0916
1	hcs124e02	?	?	0.350712	-1.20734	10.192	10.0427	1.10906
3	hcs124e02	?	?	0.691231	0.459098	10.6164	10.5449	1.05081
5	hcs124e02	?	?	0.328763	-1.28065	10.4688	10.5872	-1.08556
7	hcs124e02	?	?	0.349324	1.21181	9.90006	9.85357	1.03275
1	hcs124e03	22883	CLSTN1	0.65934	0.512416	10.8554	10.9507	0.936078

3	hcs124e03	22883	CLSTN1	0.41246	1.02683	11.1766	10.9986	1.13134
5	hcs124e03	22883	CLSTN1	0.653887	0.521724	11.1078	11.0055	1.07346
7	hcs124e03	22883	CLSTN1	0.42439	0.995489	10.647	10.5449	1.07338
1	hcs124e04	?	?	0.427334	-0.987904	10.5846	10.3667	1.16301
3	hcs124e04	?	?	0.41527	1.01936	10.836	10.6733	1.11936
5	hcs124e04	?	?	0.519878	-0.774047	10.4606	10.6201	-1.11685
7	hcs124e04	?	?	0.260152	-1.55521	9.87792	10.3524	-1.38945
1	hcs124e05	9330	GTF3C3	0.459912	0.907548	10.5545	10.6754	0.919605
3	hcs124e05	9330	GTF3C3	0.40703	1.04143	10.9844	10.8962	1.06304
5	hcs124e05	9330	GTF3C3	0.3138	-1.33409	10.6948	10.7628	-1.04831
7	hcs124e05	9330	GTF3C3	0.0077090	-11.3234	10.3587	10.6513	-1.22485
1	hcs124e06	4717	NDUFC1	0.0774543	-3.38097	10.3468	10.1779	1.1242
3	hcs124e06	4717	NDUFC1	0.540387	-0.731874	10.321	10.3978	-1.05466
5	hcs124e06	4717	NDUFC1	0.7512	-0.36328	10.0033	10.0774	-1.05268
1	hcs124e07	100131170	LOC1001310	0.128782	-2.50987	10.2283	10.1236	1.07529
3	hcs124e07	100131170	LOC1001310	0.819629	0.259337	10.518	10.4696	1.03411
5	hcs124e07	100131170	LOC1001310	0.740713	0.379672	10.1386	10.1325	1.00425
7	hcs124e07	100131170	LOC1001310	0.541705	0.729216	9.94136	9.91714	1.01693
1	hcs124e08	6144	RPL21	0.716657	0.417831	11.9668	12.0265	0.959464
3	hcs124e08	6144	RPL21	0.487571	-0.843902	11.5842	11.6298	-1.03214
5	hcs124e08	6144	RPL21	0.0321716	-5.43981	11.8166	11.951	-1.09764
7	hcs124e08	6144	RPL21	0.420316	-1.00608	11.5043	11.7728	-1.20458
1	hcs124e09	1497	CTNS	0.0335356	-5.32236	9.92095	9.74697	1.12817
5	hcs124e09	1497	CTNS	0.797476	0.292473	9.92714	9.87175	1.03914
1	hcs124e10	?	?	0.258244	-1.56411	11.1211	11.0331	1.06292
3	hcs124e10	?	?	0.353515	-1.19837	11.3355	11.3795	-1.03099
5	hcs124e10	?	?	0.993538	-0.0091393	10.9286	10.9293	-1.00044
7	hcs124e10	?	?	0.332942	-1.26625	10.68	10.804	-1.08975
1	hcs124e12	401207	FLJ44606	0.514047	-0.786331	9.64059	9.60425	1.02551
5	hcs124e12	401207	FLJ44606	0.267636	-1.52107	9.26181	9.42816	-1.12222
1	hcs124f01			0.795614	-0.295279	10.088	10.0185	1.04938
3	hcs124f01			0.538381	0.73593	10.8144	10.7091	1.07569
7	hcs124f01			0.28999	-1.4259	9.61835	9.89085	-1.2079
1	hcs124f02	?	?	0.437397	0.962397	10.8361	11.1863	0.784475
3	hcs124f02	?	?	0.0562422	-4.03667	11.0156	11.2577	-1.18271
5	hcs124f02	?	?	0.850028	-0.214519	10.9557	10.9632	-1.00521
7	hcs124f02	?	?	0.677577	-0.481699	10.907	10.9453	-1.0269
1	hcs124f03	9757	MLL4	0.858948	-0.201493	10.0415	10.0274	1.0098
3	hcs124f03	9757	MLL4	0.141475	2.36779	10.4347	10.2191	1.16113
5	hcs124f03	9757	MLL4	0.296854	-1.3985	10.0191	10.1082	-1.0637
7	hcs124f03	9757	MLL4	0.607805	-0.602955	9.83839	9.95668	-1.08545
1	hcs124f04	10381	TUBB3	0.990666	-0.0132002	10.373	10.3708	1.0015
3	hcs124f04	10381	TUBB3	0.990189	-0.0138758	10.7431	10.7453	-1.00153
5	hcs124f04	10381	TUBB3	0.260937	-1.55157	10.3706	10.5517	-1.13377
7	hcs124f04	10381	TUBB3	0.477588	-0.866433	10.3554	10.3875	-1.02248
1	hcs124f05	132720	C4orf32	0.960434	0.0559991	10.0553	10.0729	0.987904
3	hcs124f05	132720	C4orf32	0.881946	0.168129	10.3407	10.2895	1.03612

5	hcs124f05	132720	C4orf32	0.0092445	-10.3283	10.0562	10.2452	-1.14001
7	hcs124f05	132720	C4orf32	0.253164	-1.58823	9.79363	10.0847	-1.22353
1	hcs124f06	64418	TMEM168	0.911481	0.125679	9.81356	9.83816	0.983091
3	hcs124f06	64418	TMEM168	0.556398	0.699991	9.88079	9.58967	1.22359
5	hcs124f06	64418	TMEM168	0.166297	-2.13511	9.81948	10.0723	-1.1915
1	hcs124f07	57446	NDRG3	0.984621	0.0217519	10.204	10.2065	0.998269
3	hcs124f07	57446	NDRG3	0.821229	0.25696	10.6347	10.5894	1.03195
5	hcs124f07	57446	NDRG3	0.184236	-1.99463	10.2894	10.3888	-1.07138
7	hcs124f07	57446	NDRG3	0.244032	-1.63319	10.133	10.2577	-1.09025
3	hcs124f08	1346	COX7A1	0.655923	0.518242	11.0211	10.9922	1.02026
5	hcs124f08	1346	COX7A1	0.179532	-2.02961	10.7403	10.7811	-1.02871
7	hcs124f08	1346	COX7A1	0.922658	0.109707	10.5677	10.5591	1.00596
1	hcs124f09	642	BLMH	0.870628	-0.18451	10.1802	10.1574	1.01589
3	hcs124f09	642	BLMH	0.181602	-2.01407	10.1524	10.3613	-1.15578
5	hcs124f09	642	BLMH	0.205885	-1.84782	9.95738	10.0678	-1.07952
7	hcs124f09	642	BLMH	0.271053	-1.50589	9.84643	9.99534	-1.10873
1	hcs124f10	60496	AASDHPPT	0.205623	-1.84948	9.83879	9.7676	1.05058
3	hcs124f10	60496	AASDHPPT	0.0976608	-2.96061	9.80854	9.98626	-1.1311
5	hcs124f10	60496	AASDHPPT	0.421834	-1.00212	9.57062	9.72668	-1.11424
7	hcs124f10	60496	AASDHPPT	0.296305	-1.40067	9.52152	9.68582	-1.12062
1	hcs124f11	9751	SNPH	0.66433	-0.503948	12.8967	12.8503	1.03271
3	hcs124f11	9751	SNPH	0.177637	-2.04407	12.4715	12.5717	-1.0719
5	hcs124f11	9751	SNPH	0.639556	-0.546479	12.7207	12.8269	-1.07641
7	hcs124f11	9751	SNPH	0.380906	-1.11488	12.2117	12.4622	-1.18959
1	hcs124f12	23219	FBXO28	0.236622	1.6713	9.93922	9.99266	0.963636
3	hcs124f12	23219	FBXO28	0.172272	-2.08612	9.47858	9.61672	-1.10049
5	hcs124f12	23219	FBXO28	0.654025	-0.521488	9.70767	9.80172	-1.06736
7	hcs124f12	23219	FBXO28	0.796298	-0.294247	9.67468	9.72311	-1.03413
1	hcs124g01			0.514037	0.786352	10.8695	10.9786	0.927187
3	hcs124g01			0.759958	0.349695	11.1737	11.1291	1.03137
5	hcs124g01			0.1757	-2.05904	10.9149	11.1332	-1.16334
7	hcs124g01			0.454669	-0.920061	10.4138	10.4624	-1.03428
1	hcs124g02	127829	ARL8A	0.534717	-0.743378	10.2792	10.2271	1.0368
3	hcs124g02	127829	ARL8A	0.590331	0.6351	10.6924	10.6218	1.05015
5	hcs124g02	127829	ARL8A	0.550462	-0.711709	10.3216	10.4173	-1.06858
7	hcs124g02	127829	ARL8A	0.213713	-1.79972	9.73957	9.9814	-1.18249
1	hcs124g03	10302	SNAPC5	0.641181	-0.54365	10.5404	10.4898	1.03571
3	hcs124g03	10302	SNAPC5	0.240359	1.65189	11.0436	10.8953	1.10826
5	hcs124g03	10302	SNAPC5	0.551553	-0.709547	10.6519	10.746	-1.0674
7	hcs124g03	10302	SNAPC5	0.0874347	-3.15594	10.0885	10.1415	-1.03743
1	hcs124g04	4704	NDUFA9	0.282338	-1.45741	10.7358	10.6619	1.05253
3	hcs124g04	4704	NDUFA9	0.335365	1.258	11.1564	10.9345	1.16627
5	hcs124g04	4704	NDUFA9	0.160123	2.18831	10.7515	10.7147	1.02579
7	hcs124g04	4704	NDUFA9	0.895567	-0.148502	10.1004	10.1309	-1.02132
1	hcs124g05	338917	VSX2	0.433093	0.973228	10.2863	10.3847	0.934068
3	hcs124g05	338917	VSX2	0.469339	0.885421	10.8511	10.7373	1.08202
5	hcs124g05	338917	VSX2	0.264125	-1.53693	10.5116	10.5948	-1.05937

7	hcs124g05	338917	VSX2	0.170845	-2.09761	10.0991	10.2883	-1.14016
1	hcs124g07	4923	NTSR1	0.811271	-0.271787	10.3425	10.3158	1.01869
3	hcs124g07	4923	NTSR1	0.641063	-0.543855	10.5715	10.5945	-1.01612
5	hcs124g07	4923	NTSR1	0.317081	-1.32211	10.3696	10.3961	-1.01859
7	hcs124g07	4923	NTSR1	0.813357	0.268674	10.1248	10.0967	1.01972
1	hcs124g08	9583	ENTPD4	0.940386	-0.0844565	9.65894	9.65039	1.00595
3	hcs124g08	9583	ENTPD4	0.372245	-1.1405	9.89302	9.9824	-1.06391
5	hcs124g08	9583	ENTPD4	0.840274	0.228824	9.78451	9.75978	1.01729
1	hcs124g09			0.27968	1.4686	10.577	10.6346	0.960884
3	hcs124g09			0.333277	-1.2651	10.8777	10.9617	-1.05998
5	hcs124g09			0.362736	-1.16945	10.6389	10.7316	-1.06634
7	hcs124g09			0.302006	-1.37845	10.2316	10.4431	-1.15792
1	hcs124g10	10451	VAV3	0.0131732	-8.6264	9.9482	9.7392	1.15588
3	hcs124g10	10451	VAV3	0.745	0.372954	10.5346	10.408	1.09172
5	hcs124g10	10451	VAV3	0.208002	-1.83458	9.95832	10.3195	-1.28452
1	hcs124g11	79646	PANK3	0.826758	-0.248762	12.4829	12.4554	1.01927
3	hcs124g11	79646	PANK3	0.957819	-0.0597065	12.3574	12.361	-1.00252
5	hcs124g11	79646	PANK3	0.489619	-0.839339	12.4022	12.4681	-1.04679
1	hcs124g12	57217	TTC7A	0.17175	-2.09031	11.0747	10.913	1.1186
5	hcs124g12	57217	TTC7A	0.0472357	4.4365	11.1353	10.965	1.12524
7	hcs124g12	57217	TTC7A	0.577972	0.658338	10.5784	10.5316	1.03292
3	hcs124h01	23568	ARL2BP	0.235999	-1.67458	10.7273	10.8145	-1.06233
1	hcs124h02			0.464307	0.897173	10.4064	10.4651	0.960115
3	hcs124h02			0.297028	-1.39782	10.5368	10.7488	-1.15832
5	hcs124h02			0.203948	-1.86011	10.4367	10.4845	-1.0337
7	hcs124h02			0.0847955	3.21173	10.316	10.2395	1.05445
1	hcs124h03	79364	ZXDC	0.408294	1.03801	9.86985	10.1716	0.811243
3	hcs124h03	79364	ZXDC	0.0121093	-9.00467	10.2758	10.5144	-1.17984
5	hcs124h03	79364	ZXDC	0.224978	-1.73443	10.0381	10.4406	-1.32181
7	hcs124h03	79364	ZXDC	0.24715	-1.6176	9.66213	9.82855	-1.12227
1	hcs124h04	10427	SEC24B	0.659426	0.512268	10.1417	10.2281	0.941876
3	hcs124h04	10427	SEC24B	0.604952	-0.608149	10.3481	10.4103	-1.044
5	hcs124h04	10427	SEC24B	0.403193	-1.05188	9.81413	9.97737	-1.1198
7	hcs124h04	10427	SEC24B	0.925854	0.105148	9.78336	9.7731	1.00714
1	hcs124h07	?	?	0.715118	0.420301	10.6494	10.6552	0.995988
3	hcs124h07	?	?	0.639054	0.547353	11.0605	11.0268	1.02363
5	hcs124h07	?	?	0.301455	-1.38057	10.8672	11.0038	-1.09929
7	hcs124h07	?	?	0.302917	-1.37495	10.5532	10.7592	-1.15349
1	hcs124h08	125113	KRT222	0.0078356	11.2305	10.021	10.1695	0.902175
3	hcs124h08	125113	KRT222	0.577188	0.659827	10.4121	10.3587	1.0377
5	hcs124h08	125113	KRT222	0.33832	-1.24803	9.7565	9.8749	-1.08553
7	hcs124h08	125113	KRT222	0.153345	-2.25006	9.71475	9.82143	-1.07675
1	hcs124h09	255783	PRR24	0.332994	1.26607	11.0527	11.1757	0.918255
3	hcs124h09	255783	PRR24	0.642401	-0.541531	11.1793	11.2681	-1.06349
5	hcs124h09	255783	PRR24	0.576385	-0.661353	11.2113	11.2622	-1.03591
7	hcs124h09	255783	PRR24	0.149697	2.28487	10.9752	10.8867	1.06329
1	hcs124h10	23530	NNT	0.228592	-1.71439	9.98962	9.56454	1.34265

3	hcs124h10	23530	NNT	0.396455	-1.0705	9.99339	10.0651	-1.05098
5	hcs124h10	23530	NNT	0.538239	-0.736217	9.71967	9.88407	-1.1207
7	hcs124h10	23530	NNT	0.186578	-1.97765	9.37092	9.55442	-1.13564
1	hcs124h11	9705	ST18	0.622316	-0.57685	13.9244	13.6692	1.19347
7	hcs124h11	9705	ST18	0.160895	2.18151	13.9804	13.4509	1.44346
1	hcs125a01	?	?	0.472158	0.878894	10.1654	10.354	0.877447
3	hcs125a01	?	?	0.829408	-0.244843	10.4036	10.4525	-1.03442
7	hcs125a01	?	?	0.497895	0.82109	10.0256	9.94056	1.06075
1	hcs125a02	?	?	0.829751	0.244335	10.6135	10.6478	0.976483
3	hcs125a02	?	?	0.904591	0.135547	10.6356	10.5938	1.02944
5	hcs125a02	?	?	0.767546	-0.337999	10.648	10.6909	-1.03023
7	hcs125a02	?	?	0.606792	0.604796	10.4004	10.3488	1.03641
1	hcs125a03	?	?	0.597646	-0.621544	10.3447	10.2817	1.04466
3	hcs125a03	?	?	0.974106	-0.0366325	10.6096	10.6198	-1.00707
5	hcs125a03	?	?	0.804101	-0.282517	10.3465	10.3832	-1.02579
7	hcs125a03	?	?	0.481132	0.858381	10.0492	9.99961	1.03494
1	hcs125a05	1428	CRYM	0.376582	1.12759	10.0006	10.2149	0.861972
3	hcs125a05	1428	CRYM	0.81819	-0.261476	10.2795	10.3298	-1.03548
5	hcs125a05	1428	CRYM	0.267273	-1.5227	9.98615	10.039	-1.03734
7	hcs125a05	1428	CRYM	0.695533	-0.452043	9.84835	9.87575	-1.01918
1	hcs125a06			0.352189	1.2026	10.3305	10.5101	0.882968
3	hcs125a06			0.772746	-0.33002	10.7437	10.792	-1.03402
5	hcs125a06			0.353691	-1.19781	10.3544	10.4286	-1.05275
7	hcs125a06			0.45316	0.923691	10.3675	10.299	1.0486
1	hcs125a08	?	?	0.673913	0.487821	10.5655	10.6427	0.947917
3	hcs125a08	?	?	0.465556	-0.894243	10.8887	10.9747	-1.06145
5	hcs125a08	?	?	0.104089	-2.85213	10.8646	11.0227	-1.11587
7	hcs125a08	?	?	0.418596	1.01059	10.4022	10.3465	1.03936
1	hcs125a09	9311	ACCN3	0.229162	1.71126	10.0992	10.44	0.789604
3	hcs125a09	9311	ACCN3	0.444119	-0.945712	10.3609	10.551	-1.14079
5	hcs125a09	9311	ACCN3	0.49974	-0.817063	10.1757	10.2201	-1.03125
7	hcs125a09	9311	ACCN3	0.387912	1.09463	10.1024	9.99017	1.08091
1	hcs125a10	1836	SLC26A2	0.86752	-0.189022	10.0198	10.0056	1.00991
5	hcs125a10	1836	SLC26A2	0.329935	-1.27659	9.64993	9.85684	-1.15421
7	hcs125a10	1836	SLC26A2	0.174087	2.07169	10.0302	9.96984	1.0427
1	hcs125a11	?	?	0.374074	1.13503	10.1508	10.2512	0.932794
3	hcs125a11	?	?	0.299283	-1.389	10.3035	10.5015	-1.14704
5	hcs125a11	?	?	0.529227	-0.754627	10.0149	10.0963	-1.05807
7	hcs125a11	?	?	0.599989	-0.617233	9.99103	10.0405	-1.03487
1	hcs125a12	5957	RCVRN	0.38312	1.10843	10.7184	10.8252	0.928646
3	hcs125a12	5957	RCVRN	0.537582	-0.737551	10.8496	10.928	-1.05582
5	hcs125a12	5957	RCVRN	0.854184	-0.208443	10.6855	10.7341	-1.03428
7	hcs125a12	5957	RCVRN	0.458779	-0.91024	10.5391	10.5918	-1.0372
1	hcs125b02	11321	GPN1	0.385641	1.10115	9.91623	10.1588	0.845215
3	hcs125b02	11321	GPN1	0.66222	-0.507522	10.5642	10.6166	-1.03696
5	hcs125b02	11321	GPN1	0.179889	-2.02692	10.1681	10.4091	-1.18185
7	hcs125b02	11321	GPN1	0.0240497	-6.3314	9.57793	9.87193	-1.22603

1	hcs125b03	?	?	0.402466	-1.05387	11.8677	11.7431	1.09018
3	hcs125b03	?	?	0.22081	1.75808	11.933	11.7296	1.15144
5	hcs125b03	?	?	0.673527	-0.488467	11.7411	11.81	-1.04894
7	hcs125b03	?	?	0.669605	0.49505	11.3608	11.3197	1.02895
1	hcs125b04	55628	ZNF407	0.39368	1.07827	9.91073	9.99176	0.94538
3	hcs125b04	55628	ZNF407	0.461354	-0.904133	10.5639	10.7151	-1.11047
5	hcs125b04	55628	ZNF407	0.58831	0.63887	10.3199	10.2032	1.08431
7	hcs125b04	55628	ZNF407	0.188295	-1.9654	9.72927	9.84712	-1.08512
3	hcs125b05			0.46686	-0.891194	10.4978	10.719	-1.16565
5	hcs125b05			0.38527	1.10222	10.315	10.2332	1.05832
7	hcs125b05			0.851907	-0.21177	10.135	10.1531	-1.01263
1	hcs125b07	10605	PAIP1	0.823711	-0.253277	10.7222	10.6554	1.04738
3	hcs125b07	10605	PAIP1	0.414712	-1.02084	10.7421	10.8231	-1.05776
5	hcs125b07	10605	PAIP1	0.319122	1.31473	10.5577	10.3793	1.13168
7	hcs125b07	10605	PAIP1	0.870449	0.18477	9.66929	9.64423	1.01752
1	hcs125b08	83541	FAM110A	0.0388517	4.92431	10.0428	10.1582	0.923148
3	hcs125b08	83541	FAM110A	0.230607	-1.70339	10.427	10.4625	-1.02497
5	hcs125b08	83541	FAM110A	0.0176953	-7.41732	9.73091	9.89507	-1.12052
7	hcs125b08	83541	FAM110A	0.94157	0.0827746	9.66306	9.65539	1.00533
1	hcs125b09	?	?	0.744265	0.374104	10.7574	10.8089	0.964955
3	hcs125b09	?	?	0.0674065	-3.65415	11.0949	11.2522	-1.11517
5	hcs125b09	?	?	0.85095	0.21317	10.6128	10.6023	1.00728
7	hcs125b09	?	?	0.357298	-1.1864	10.3154	10.3901	-1.0531
1	hcs125b10	619423	FAM85A	0.179148	2.03252	10.2657	10.3667	0.932404
3	hcs125b10	619423	FAM85A	0.153767	-2.24611	10.4587	10.7478	-1.22188
5	hcs125b10	619423	FAM85A	0.636138	0.552447	10.2895	10.241	1.03418
7	hcs125b10	619423	FAM85A	0.297167	1.39727	10.0895	9.89872	1.14136
1	hcs125b11	100130155	LOC100130	0.555546	0.701665	10.4887	10.5605	0.951428
3	hcs125b11	100130155	LOC100130	0.162442	-2.168	10.6197	10.8739	-1.19273
5	hcs125b11	100130155	LOC100130	0.443488	-0.947268	10.4928	10.6286	-1.09873
7	hcs125b11	100130155	LOC100130	0.76387	0.343657	10.2976	10.2546	1.0302
1	hcs125b12	?	?	0.335261	1.25835	11.4213	11.6079	0.878654
3	hcs125b12	?	?	0.950516	-0.0700673	11.5771	11.5903	-1.00917
5	hcs125b12	?	?	0.7064	0.434357	11.5041	11.4323	1.05103
7	hcs125b12	?	?	0.483852	-0.852241	11.3297	11.3924	-1.04444
1	hcs125c01	23125	CAMTA2	0.429691	0.98187	10.3312	10.4658	0.910922
3	hcs125c01	23125	CAMTA2	0.95527	0.0633217	10.2548	10.2362	1.01298
5	hcs125c01	23125	CAMTA2	0.897033	-0.146395	10.3383	10.3625	-1.01687
7	hcs125c01	23125	CAMTA2	0.543784	0.725036	10.0488	9.97995	1.04887
1	hcs125c03	150275	CCDC117	0.760974	-0.348125	10.1867	10.1363	1.03558
3	hcs125c03	150275	CCDC117	0.915431	0.120029	10.6809	10.6498	1.02184
5	hcs125c03	150275	CCDC117	0.283808	-1.45127	10.0218	10.1575	-1.09862
7	hcs125c03	150275	CCDC117	0.736683	-0.386008	9.86993	9.92412	-1.03827
1	hcs125c04	?	?	0.759532	-0.350354	9.64302	9.61228	1.02154
3	hcs125c04	?	?	0.659355	0.51239	9.92507	9.72141	1.15162
5	hcs125c04	?	?	0.515678	-0.782882	9.51636	9.62788	-1.08036
7	hcs125c04	?	?	0.35417	1.19629	9.73042	9.52751	1.15102

1	hcs125c06	219931	TPCN2	0.50294	-0.810115	10.1254	10.074	1.03625
3	hcs125c06	219931	TPCN2	0.6957	0.45177	10.4491	10.389	1.04255
5	hcs125c06	219931	TPCN2	0.94306	0.0806565	9.95453	9.94808	1.00448
7	hcs125c06	219931	TPCN2	0.266857	-1.52457	9.71491	9.82834	-1.0818
1	hcs125c07	54916	C14orf101	0.276753	1.48109	10.1317	10.3725	0.846276
3	hcs125c07	54916	C14orf101	0.764716	-0.342353	10.6135	10.6577	-1.03106
5	hcs125c07	54916	C14orf101	0.843086	-0.224693	10.3771	10.4198	-1.03009
7	hcs125c07	54916	C14orf101	0.441793	0.951455	10.0567	9.90138	1.11363
1	hcs125c08	4947	OAZ2	0.788048	-0.306714	9.82234	9.81311	1.00642
3	hcs125c08	4947	OAZ2	0.507493	-0.800304	10.167	10.286	-1.08604
5	hcs125c08	4947	OAZ2	0.245906	-1.62379	9.93243	10.0026	-1.04983
7	hcs125c08	4947	OAZ2	0.209661	1.82432	9.722	9.63513	1.06206
1	hcs125c09	10063	COX17	0.746561	0.370513	10.7853	10.8536	0.953739
3	hcs125c09	10063	COX17	0.762156	-0.3463	11.0775	11.0995	-1.01534
5	hcs125c09	10063	COX17	0.338374	1.24785	10.7669	10.6795	1.06248
7	hcs125c09	10063	COX17	0.430106	-0.980813	10.6185	10.6694	-1.03589
1	hcs125c10	?	?	0.326178	1.28967	10.5766	10.7995	0.856841
3	hcs125c10	?	?	0.571949	-0.669823	10.8521	10.9552	-1.07408
5	hcs125c10	?	?	0.768472	-0.336576	10.6781	10.6915	-1.00938
7	hcs125c10	?	?	0.793377	-0.298654	10.5959	10.6289	-1.02314
1	hcs125c11	79365	BHLHE41	0.32268	1.30201	9.86981	10.0087	0.908245
3	hcs125c11	79365	BHLHE41	0.313275	-1.33602	10.0271	10.3352	-1.23814
5	hcs125c11	79365	BHLHE41	0.45599	-0.916895	9.98747	10.1376	-1.10967
7	hcs125c11	79365	BHLHE41	0.81622	-0.264408	9.92311	9.93087	-1.00539
1	hcs125c12	9125	RQCD1	0.327415	-1.28534	10.5495	10.4302	1.08621
3	hcs125c12	9125	RQCD1	0.3558	1.19112	10.3489	10.1911	1.11564
5	hcs125c12	9125	RQCD1	0.690658	0.460039	10.3981	10.3504	1.03362
7	hcs125c12	9125	RQCD1	0.906809	0.132367	10.3774	10.3673	1.00706
1	hcs125d01	49855	SCAPER	0.410978	-1.0308	9.76246	9.61945	1.10421
3	hcs125d01	49855	SCAPER	0.869545	-0.186082	10.4652	10.4828	-1.01225
5	hcs125d01	49855	SCAPER	0.151453	-2.26797	10.234	10.5989	-1.28775
7	hcs125d01	49855	SCAPER	0.669262	0.495626	9.52292	9.40891	1.08223
1	hcs125d02			0.705402	-0.435972	10.5767	10.5235	1.03758
3	hcs125d02			0.385812	-1.10065	10.6924	10.9255	-1.17538
5	hcs125d02			0.407329	-1.04062	10.5856	10.6534	-1.04814
7	hcs125d02			0.672823	0.489647	10.3021	10.2481	1.03816
1	hcs125d03	81847	RNF146	0.66001	0.511276	10.3484	10.4431	0.936469
3	hcs125d03	81847	RNF146	0.343106	-1.23211	10.4511	10.602	-1.11021
5	hcs125d03	81847	RNF146	0.272232	-1.50071	10.4309	10.709	-1.21262
7	hcs125d03	81847	RNF146	0.0818892	-3.27612	9.85041	10.1421	-1.22409
1	hcs125d04	7399	USH2A	0.538681	0.735323	9.85235	10.0178	0.891625
3	hcs125d04	7399	USH2A	0.984296	0.0222119	10.5312	10.5263	1.00338
5	hcs125d04	7399	USH2A	0.613997	0.591753	10.2149	10.1038	1.08007
7	hcs125d04	7399	USH2A	0.623898	0.574036	10.012	9.8434	1.12396
1	hcs125d05			0.64767	0.532411	10.8824	10.9483	0.955327
3	hcs125d05			0.779034	0.320413	11.1063	11.0899	1.01139
5	hcs125d05			0.641898	-0.542404	10.9697	11.0047	-1.02453



7	hcs125d05			0.516768	-0.780582	10.4538	10.5191	-1.0463
1	hcs125d08	5277	PIGA	0.319097	1.31482	11.7195	11.7715	0.964598
3	hcs125d08	5277	PIGA	0.569876	0.6738	11.7628	11.7008	1.04389
5	hcs125d08	5277	PIGA	0.479581	0.861898	11.6343	11.4748	1.11685
7	hcs125d08	5277	PIGA	0.0771863	3.38759	11.4819	11.3094	1.12701
1	hcs125d09	2872	MKNK2	0.0402565	4.83228	10.4484	10.5568	0.927595
3	hcs125d09	2872	MKNK2	0.755561	-0.356503	10.6849	10.7238	-1.02733
5	hcs125d09	2872	MKNK2	0.54876	0.715093	10.7065	10.5969	1.07895
7	hcs125d09	2872	MKNK2	0.433038	-0.973367	10.071	10.1759	-1.07541
1	hcs125d10	6923	TCEB2	0.562347	-0.688361	11.2101	11.1008	1.07868
3	hcs125d10	6923	TCEB2	0.847467	-0.218268	11.0384	11.084	-1.03216
5	hcs125d10	6923	TCEB2	0.0873528	3.15764	11.315	11.1223	1.1429
7	hcs125d10	6923	TCEB2	0.148767	-2.29393	10.9023	10.9972	-1.06802
1	hcs125d11	663	BNIP2	0.302212	-1.37765	13.0127	12.7875	1.16894
5	hcs125d11	663	BNIP2	0.366527	1.1578	12.8467	12.601	1.18567
1	hcs125e01	6161	RPL32	0.35765	1.18529	11.6216	11.8206	0.871134
5	hcs125e01	6161	RPL32	0.865273	-0.192286	12.3131	12.338	-1.01739
7	hcs125e01	6161	RPL32	0.383189	-1.10823	11.2953	11.5688	-1.20874
1	hcs125e02	57545	CC2D2A	0.165296	2.14355	9.95229	10.1931	0.846297
3	hcs125e02	57545	CC2D2A	0.922638	0.109735	10.2864	10.2646	1.01526
5	hcs125e02	57545	CC2D2A	0.151118	-2.27117	9.63814	9.73742	-1.07124
7	hcs125e02	57545	CC2D2A	0.997582	-0.0034202	9.64128	9.64188	-1.00042
1	hcs125e03	92558	CCDC64	0.593	0.630138	10.7112	10.8417	0.913515
5	hcs125e03	92558	CCDC64	0.06862	-3.61812	11.0295	11.2188	-1.14024
7	hcs125e03	92558	CCDC64	0.704493	-0.437447	10.6367	10.6624	-1.01793
1	hcs125e04	148789	B3GALNT2	0.372546	1.1396	10.1569	10.3853	0.853581
5	hcs125e04	148789	B3GALNT2	0.0082224	-10.96	10.2929	10.3928	-1.07167
7	hcs125e04	148789	B3GALNT2	0.42435	-0.995592	10.1737	10.2935	-1.08658
1	hcs125e05	84897	TBRG1	0.402274	1.0544	9.99738	10.3751	0.769653
3	hcs125e05	84897	TBRG1	0.154919	2.23539	10.8645	10.3562	1.42239
5	hcs125e05	84897	TBRG1	0.505247	-0.805133	10.2734	10.3928	-1.08628
7	hcs125e05	84897	TBRG1	0.146782	-2.31353	10.184	10.363	-1.13211
1	hcs125e07	11140	CDC37	0.81562	0.265302	10.9976	11.0785	0.945468
3	hcs125e07	11140	CDC37	0.345406	1.22455	11.3498	11.2276	1.08834
5	hcs125e07	11140	CDC37	0.932482	-0.0957028	11.0264	11.0441	-1.0123
7	hcs125e07	11140	CDC37	0.157631	-2.21059	10.6516	10.7414	-1.06427
1	hcs125e08	?	?	0.475781	-0.870563	10.4612	10.3516	1.07893
3	hcs125e08	?	?	0.0760588	3.41577	10.7727	10.546	1.17018
5	hcs125e08	?	?	0.892865	0.152389	10.4899	10.4763	1.00945
7	hcs125e08	?	?	0.293167	-1.41312	10.0631	10.2501	-1.1384
1	hcs125e09	1329	COX5B	0.886267	-0.161893	11.1642	11.1395	1.01724
3	hcs125e09	1329	COX5B	0.405224	1.04634	11.4391	11.3776	1.04353
5	hcs125e09	1329	COX5B	0.595393	-0.625704	10.8991	10.9992	-1.07187
7	hcs125e09	1329	COX5B	0.705906	0.435155	10.8802	10.85	1.0212
1	hcs125e10	202018	TAPT1	0.497766	0.821373	10.1876	10.2819	0.936712
3	hcs125e10	202018	TAPT1	0.891649	0.154139	10.6491	10.6413	1.0054
5	hcs125e10	202018	TAPT1	0.0295264	-5.68994	10.134	10.2958	-1.11867

7	hcs125e10	202018	TAPT1	0.561014	-0.690956	10.0224	10.0782	-1.03949
1	hcs125e11	6428	SRSF3	0.121622	-2.59896	10.0663	9.69982	1.28921
3	hcs125e11	6428	SRSF3	0.871606	0.183092	9.99318	9.98055	1.0088
5	hcs125e11	6428	SRSF3	0.436428	-0.964826	9.70734	9.85767	-1.10983
1	hcs125e12	4724	NDUFS4	0.26282	1.5429	10.6087	10.8133	0.867759
3	hcs125e12	4724	NDUFS4	0.555717	0.701328	10.8393	10.7168	1.08859
5	hcs125e12	4724	NDUFS4	0.497283	0.822428	10.724	10.6345	1.06398
7	hcs125e12	4724	NDUFS4	0.135277	2.43485	10.4181	10.3591	1.04174
1	hcs125f02			0.846081	-0.220299	10.2285	10.1879	1.02854
3	hcs125f02			0.73099	-0.394998	10.2386	10.3042	-1.04652
5	hcs125f02			0.156125	-2.22429	10.0209	10.1044	-1.05962
7	hcs125f02			0.689159	-0.462508	9.78907	9.8366	-1.03349
1	hcs125f03	91355	LRP5L	0.243096	1.63792	10.2834	10.5304	0.842647
3	hcs125f03	91355	LRP5L	0.972082	-0.0394968	10.6237	10.6313	-1.00531
5	hcs125f03	91355	LRP5L	0.949632	0.0713213	10.5284	10.526	1.00166
7	hcs125f03	91355	LRP5L	0.946853	0.0752669	10.1453	10.142	1.00229
1	hcs125f04	57418	WDR18	0.334192	1.26198	10.6198	10.7633	0.905341
3	hcs125f04	57418	WDR18	0.675113	-0.485814	10.9471	11.0242	-1.05492
5	hcs125f04	57418	WDR18	0.721443	-0.410174	10.7666	10.7892	-1.01576
7	hcs125f04	57418	WDR18	0.570425	-0.672746	10.2439	10.2512	-1.00503
1	hcs125f05	79085	SLC25A23	0.188116	1.96667	10.6991	10.9279	0.853324
3	hcs125f05	79085	SLC25A23	0.988021	-0.0169423	10.9977	11.0024	-1.00326
5	hcs125f05	79085	SLC25A23	0.200618	1.88158	11.2625	10.8941	1.29098
7	hcs125f05	79085	SLC25A23	0.894926	0.149424	10.5485	10.543	1.0038
1	hcs125f06	7381	UQCRB	0.309707	1.34925	10.4249	10.5162	0.938698
3	hcs125f06	7381	UQCRB	0.273328	-1.49592	10.5797	10.8218	-1.18274
5	hcs125f06	7381	UQCRB	0.795769	0.295045	10.4574	10.4052	1.03682
7	hcs125f06	7381	UQCRB	0.182323	-2.00871	9.88527	10.0468	-1.11847
1	hcs125f07	90410	IFT20	0.0891752	3.12045	10.0834	10.4432	0.779291
3	hcs125f07	90410	IFT20	0.374167	-1.13476	10.7132	10.8767	-1.11995
5	hcs125f07	90410	IFT20	0.473924	0.874826	10.4836	10.3833	1.07202
7	hcs125f07	90410	IFT20	0.563152	0.686794	10.0336	9.90077	1.09645
1	hcs125f08	7284	TUFM	0.284766	-1.4473	10.9834	10.8855	1.07021
3	hcs125f08	7284	TUFM	0.936511	0.0899684	11.1007	11.0942	1.00447
5	hcs125f08	7284	TUFM	0.942644	0.0812477	11.0613	11.0473	1.00975
7	hcs125f08	7284	TUFM	0.895783	0.148192	10.4467	10.4294	1.01209
1	hcs125f09	25941	C18orf10	0.190595	1.9492	10.5035	10.6321	0.914687
3	hcs125f09	25941	C18orf10	0.124902	2.55726	10.7743	10.6184	1.11416
5	hcs125f09	25941	C18orf10	0.856979	0.204364	10.6137	10.5698	1.03087
7	hcs125f09	25941	C18orf10	0.0739823	-3.46929	9.97558	10.3117	-1.26233
1	hcs125f10	?	?	0.668652	-0.496654	9.90439	9.85049	1.03807
3	hcs125f10	?	?	0.775217	-0.326241	10.0989	10.1371	-1.02685
5	hcs125f10	?	?	0.849002	-0.216021	9.82805	9.8387	-1.00741
7	hcs125f10	?	?	0.408501	-1.03745	9.52204	9.65848	-1.09919
3	hcs125f11	?	?	0.802402	-0.285067	9.83591	9.88719	-1.03618
5	hcs125f11	?	?	0.755275	0.356947	9.68823	9.6596	1.02004
7	hcs125f11	?	?	0.549138	-0.714339	9.53936	9.70274	-1.11991

1	hcs125f12			0.205205	1.85212	12.7378	13.0753	0.791393
3	hcs125f12			0.775923	-0.325161	12.1538	12.3249	-1.12586
5	hcs125f12			0.086537	3.17464	12.8422	12.3869	1.3711
7	hcs125f12			0.0009469	32.4734	12.9444	12.4349	1.42359
1	hcs125g01	54539	NDUFB11	0.799493	-0.289437	9.83113	9.80187	1.02049
3	hcs125g01	54539	NDUFB11	0.460217	-0.906824	9.71642	9.98632	-1.20572
5	hcs125g01	54539	NDUFB11	0.42862	0.984608	10.0364	9.78957	1.18657
7	hcs125g01	54539	NDUFB11	0.334529	1.26084	9.79311	9.57638	1.1621
1	hcs125g02	5332	PLCB4	0.141709	2.36535	10.2548	10.4562	0.869727
3	hcs125g02	5332	PLCB4	0.308437	-1.354	10.2505	10.4772	-1.1702
5	hcs125g02	5332	PLCB4	0.424588	-0.994978	10.3238	10.3785	-1.03867
7	hcs125g02	5332	PLCB4	0.340555	1.24056	10.2027	10.0238	1.13208
1	hcs125g03			0.387248	1.09653	9.97918	10.1023	0.918202
3	hcs125g03			0.901388	-0.140141	10.0902	10.1118	-1.01506
5	hcs125g03			0.453487	0.922904	10.095	9.95865	1.09912
7	hcs125g03			0.777682	-0.322476	9.75726	9.78909	-1.02231
1	hcs125g04	131870	NUDT16	0.325006	1.29378	10.3067	10.4578	0.900543
3	hcs125g04	131870	NUDT16	0.561847	-0.689333	10.5732	10.6601	-1.06209
5	hcs125g04	131870	NUDT16	0.387112	1.09692	10.6263	10.4696	1.11473
7	hcs125g04	131870	NUDT16	0.695961	0.451343	10.2232	10.2093	1.00969
1	hcs125g05	94097	SFXN5	0.236877	1.66996	10.4275	10.7781	0.78424
3	hcs125g05	94097	SFXN5	0.557995	-0.696856	10.596	10.6343	-1.02688
5	hcs125g05	94097	SFXN5	0.597377	0.62204	10.6665	10.6138	1.0372
7	hcs125g05	94097	SFXN5	0.361976	-1.1718	10.2502	10.2992	-1.0346
1	hcs125g06			0.279774	1.46821	10.5622	10.6868	0.917258
3	hcs125g06			0.711172	0.426647	10.5848	10.524	1.04307
5	hcs125g06			0.980591	0.027453	10.5423	10.5373	1.00347
7	hcs125g06			0.630949	0.561558	10.2689	10.2494	1.01363
1	hcs125g07	23264	ZC3H7B	0.438705	0.95913	10.3531	10.5109	0.896371
3	hcs125g07	23264	ZC3H7B	0.59712	-0.622515	10.5225	10.6775	-1.11347
5	hcs125g07	23264	ZC3H7B	0.841227	0.227424	10.5369	10.4954	1.02918
7	hcs125g07	23264	ZC3H7B	0.468286	0.887869	10.2749	10.2099	1.04603
1	hcs125g08			0.172759	2.08223	10.2035	10.3696	0.891263
5	hcs125g08			0.910335	-0.127319	10.1503	10.1713	-1.01467
7	hcs125g08			0.146993	-2.31143	9.96731	10.1554	-1.13927
1	hcs125g09	112885	PHF21B	0.237921	-1.66451	10.0779	9.89732	1.13334
3	hcs125g09	112885	PHF21B	0.617082	-0.586207	10.1853	10.2189	-1.02356
5	hcs125g09	112885	PHF21B	0.229142	-1.71137	10.0685	10.1951	-1.09175
7	hcs125g09	112885	PHF21B	0.565185	0.682852	9.90902	9.85649	1.03708
1	hcs125g10	84436	ZNF528	0.5813	0.652037	10.6864	10.8537	0.890529
3	hcs125g10	84436	ZNF528	0.994894	-0.0072204	10.8081	10.8084	-1.00023
5	hcs125g10	84436	ZNF528	0.0738097	-3.47383	10.8073	10.96	-1.11167
7	hcs125g10	84436	ZNF528	0.221079	-1.75653	10.3906	10.5544	-1.12029
1	hcs125g11	3000	GUCY2D	0.449912	0.931549	11.2756	11.4027	0.91567
3	hcs125g11	3000	GUCY2D	0.533854	0.745138	11.3995	11.2856	1.08215
5	hcs125g11	3000	GUCY2D	0.999053	-0.001339	11.2993	11.2995	-1.00014
7	hcs125g11	3000	GUCY2D	0.500604	-0.815183	11.2013	11.2786	-1.05502

1	hcs125g12	?	?	0.471843	0.87962	10.1372	10.3047	0.890372
3	hcs125g12	?	?	0.970857	0.0412321	10.4249	10.4169	1.00551
5	hcs125g12	?	?	0.980334	0.0278175	10.2375	10.233	1.00307
7	hcs125g12	?	?	0.419597	1.00796	10.094	10.0739	1.01405
1	hcs125h01	92293	TMEM132C	0.947231	0.0747312	9.83496	9.84466	0.993301
3	hcs125h01	92293	TMEM132C	0.0951497	-3.00578	10.2327	10.3374	-1.07526
5	hcs125h01	92293	TMEM132C	0.970376	-0.0419127	10.0867	10.1018	-1.01057
7	hcs125h01	92293	TMEM132C	0.590192	0.635357	9.51755	9.41495	1.0737
1	hcs125h03	11083	DIDO1	0.244038	1.63316	10.4983	10.6984	0.870472
3	hcs125h03	11083	DIDO1	0.810417	-0.273064	10.6081	10.6456	-1.02633
5	hcs125h03	11083	DIDO1	0.0632706	-3.78437	10.428	10.4899	-1.04384
7	hcs125h03	11083	DIDO1	0.636301	0.552163	10.2079	10.1263	1.05818
1	hcs125h04	51592	TRIM33	0.467653	0.889342	11.1483	11.2646	0.922551
3	hcs125h04	51592	TRIM33	0.901888	0.139423	11.6013	11.5678	1.02349
5	hcs125h04	51592	TRIM33	0.305405	1.36545	11.2214	11.1607	1.04302
7	hcs125h04	51592	TRIM33	0.503592	0.808704	11.1929	11.0338	1.11656
1	hcs125h05	28511	NKIRAS2	0.981389	0.0263243	10.6802	10.684	0.997346
3	hcs125h05	28511	NKIRAS2	0.578122	-0.658053	11.1525	11.2037	-1.03615
5	hcs125h05	28511	NKIRAS2	0.201122	-1.8783	10.8099	10.9179	-1.07768
7	hcs125h05	28511	NKIRAS2	0.284913	-1.44669	10.2787	10.4251	-1.10683
1	hcs125h06	375607	C7orf52	0.290614	1.42337	10.6084	10.7899	0.881765
3	hcs125h06	375607	C7orf52	0.770951	-0.332771	11.0077	11.0774	-1.04952
5	hcs125h06	375607	C7orf52	0.348536	1.21436	10.6368	10.4822	1.11309
7	hcs125h06	375607	C7orf52	0.482493	0.855304	10.387	10.3069	1.0571
1	hcs125h07	3385	ICAM3	0.853115	0.210004	10.6777	10.6932	0.989314
3	hcs125h07	3385	ICAM3	0.529969	0.753101	10.9555	10.8705	1.06071
5	hcs125h07	3385	ICAM3	0.849518	-0.215265	10.7971	10.8236	-1.01851
7	hcs125h07	3385	ICAM3	0.396973	-1.06906	10.2027	10.3479	-1.10588
1	hcs125h08	5738	PTGFRN	0.653254	0.522808	10.0262	10.0683	0.971256
3	hcs125h08	5738	PTGFRN	0.796435	-0.294041	10.4669	10.5011	-1.02403
5	hcs125h08	5738	PTGFRN	0.681027	0.475958	10.1681	10.0812	1.06205
7	hcs125h08	5738	PTGFRN	0.255162	-1.57867	9.66573	9.87176	-1.1535
5	hcs125h09			0.283002	1.45463	9.61306	9.38376	1.17226
7	hcs125h09			0.478702	0.863896	9.9762	9.60281	1.29539
1	hcs125h10			0.580265	0.653993	10.7045	10.7915	0.941457
3	hcs125h10			0.643457	-0.539697	10.8339	10.8979	-1.04538
5	hcs125h10			0.101527	-2.89419	10.6305	10.74	-1.0789
7	hcs125h10			0.630817	0.56179	10.3429	10.2436	1.0713
1	hcs125h11	7260	TSSC1	0.58523	-0.644638	10.0249	9.97024	1.03862
3	hcs125h11	7260	TSSC1	0.583973	-0.647001	10.0369	10.1596	-1.08872
5	hcs125h11	7260	TSSC1	0.843069	0.224718	9.97084	9.9406	1.02119
7	hcs125h11	7260	TSSC1	0.995551	-0.0062925	9.71985	9.72076	-1.00063
1	hcs125h12	594855	CPLX3	0.182045	2.01078	10.2312	10.2881	0.961296
3	hcs125h12	594855	CPLX3	0.657289	-0.51591	10.229	10.3335	-1.07514
5	hcs125h12	594855	CPLX3	0.836973	-0.233682	10.1895	10.2097	-1.01412
7	hcs125h12	594855	CPLX3	0.278612	1.47314	9.92086	9.77586	1.10573
1	hcs126a03	84896	ATAD1	0.747165	0.36957	10.7183	10.8024	0.943395

3	hcs126a03	84896	ATAD1	0.58895	0.637674	11.1342	10.9242	1.15674
5	hcs126a03	84896	ATAD1	0.561324	0.690352	10.7555	10.683	1.05154
7	hcs126a03	84896	ATAD1	0.476157	-0.869702	10.2867	10.3452	-1.04139
1	hcs126a04	23349	KIAA1045	0.43948	0.957199	10.4428	10.5442	0.93215
3	hcs126a04	23349	KIAA1045	0.852637	-0.210703	10.7916	10.8181	-1.01851
5	hcs126a04	23349	KIAA1045	0.32978	-1.27713	10.5726	10.7111	-1.10071
7	hcs126a04	23349	KIAA1045	0.87427	-0.179232	10.3541	10.3749	-1.01455
1	hcs126a05	116966	WDR17	0.659361	0.51238	10.161	10.268	0.928547
3	hcs126a05	116966	WDR17	0.71056	-0.427634	10.6495	10.6993	-1.03515
5	hcs126a05	116966	WDR17	0.824872	-0.251557	10.1247	10.1469	-1.01546
7	hcs126a05	116966	WDR17	0.193091	-1.93193	9.87808	10.2052	-1.25449
1	hcs126a06	9806	SPOCK2	0.725815	0.403208	9.91049	9.98364	0.95056
3	hcs126a06	9806	SPOCK2	0.618662	-0.583375	10.3386	10.4366	-1.07027
5	hcs126a06	9806	SPOCK2	0.725481	0.403739	10.0892	10.0667	1.01569
7	hcs126a06	9806	SPOCK2	0.962567	-0.0529752	9.86106	9.86549	-1.00308
1	hcs126a09	?	?	0.0512662	4.2449	9.49142	9.59022	0.933812
3	hcs126a09	?	?	0.0940682	-3.02577	9.93789	10.2245	-1.21973
5	hcs126a09	?	?	0.667986	-0.497775	9.62205	9.66227	-1.02827
7	hcs126a09	?	?	0.735572	0.38776	9.4579	9.3842	1.05242
1	hcs126a10	54663	WDR74	0.31382	1.33401	10.4551	10.7585	0.810322
3	hcs126a10	54663	WDR74	0.5226	-0.768358	10.8805	10.9838	-1.07418
5	hcs126a10	54663	WDR74	0.309666	1.3494	10.7514	10.6838	1.04792
7	hcs126a10	54663	WDR74	0.388842	1.09198	10.5564	10.4985	1.04093
1	hcs126a11			0.862043	0.196984	11.1826	11.223	0.972408
3	hcs126a11			0.847828	0.217739	11.5226	11.5097	1.00903
5	hcs126a11			0.0401025	-4.84214	11.042	11.1762	-1.09746
7	hcs126a11			0.530237	-0.75255	10.965	10.9861	-1.01473
1	hcs126b01			0.894448	0.150112	10.857	10.8838	0.981617
3	hcs126b01			0.393069	-1.07999	10.8997	10.9964	-1.0693
5	hcs126b01			0.274717	-1.48987	10.9215	11.0979	-1.13006
7	hcs126b01			0.920136	0.113306	10.5259	10.52	1.00414
1	hcs126b02	22880	MORC2	0.298367	1.39257	9.70016	10.014	0.804495
3	hcs126b02	22880	MORC2	0.142184	-2.36038	10.3519	10.5023	-1.10991
5	hcs126b02	22880	MORC2	0.261494	1.549	10.08	10.0279	1.03677
1	hcs126b03	29087	THYN1	0.0707466	3.55715	10.4451	10.5908	0.90392
3	hcs126b03	29087	THYN1	0.100147	-2.91748	10.6629	10.7339	-1.05047
5	hcs126b03	29087	THYN1	0.517911	0.778176	10.7076	10.6078	1.07162
7	hcs126b03	29087	THYN1	0.442164	0.950538	10.1542	10.0127	1.10304
1	hcs126b05	51466	EVL	0.901927	0.139368	11.3951	11.4154	0.986028
3	hcs126b05	51466	EVL	0.611549	-0.596171	11.1734	11.2261	-1.03725
5	hcs126b05	51466	EVL	0.234489	1.68256	11.4841	11.3009	1.13543
7	hcs126b05	51466	EVL	0.202787	1.86754	10.941	10.7441	1.14626
1	hcs126b07	?	?	0.48289	-0.854408	10.0302	9.85101	1.13225
3	hcs126b07	?	?	0.897331	-0.145967	10.6533	10.7062	-1.03739
5	hcs126b07	?	?	0.794952	-0.296277	10.5123	10.6406	-1.09297
1	hcs126b08	84140	FAM161A	0.764615	0.342508	10.0014	10.0601	0.960149
3	hcs126b08	84140	FAM161A	0.749541	0.365864	10.7004	10.622	1.05584

5	hcs126b08	84140	FAM161A	0.556105	-0.700567	10.4002	10.569	-1.12413
1	hcs126b10	5160	PDHA1	0.333438	-1.26455	10.2599	10.1339	1.09127
3	hcs126b10	5160	PDHA1	0.615475	-0.589093	10.5158	10.6393	-1.08937
5	hcs126b10	5160	PDHA1	0.43385	0.971314	10.3495	10.2816	1.0482
7	hcs126b10	5160	PDHA1	0.186776	1.97624	10.063	9.88713	1.12963
1	hcs126b11	6010	RHO	0.712497	0.424513	9.90207	9.99802	0.935656
3	hcs126b11	6010	RHO	0.213369	-1.80179	10.0349	10.3173	-1.21624
5	hcs126b11	6010	RHO	0.609467	-0.599939	10.033	10.1261	-1.06661
7	hcs126b11	6010	RHO	0.0443683	4.58802	9.80483	9.69656	1.07793
1	hcs126c02			0.48906	0.840582	10.368	10.5165	0.902203
3	hcs126c02			0.427588	0.987252	10.9262	10.7541	1.12672
5	hcs126c02			0.241858	-1.64421	10.4718	11.0768	-1.52098
7	hcs126c02			0.304929	-1.36726	9.87945	10.1417	-1.19935
1	hcs126c03	9862	MED24	0.294758	-1.40678	10.187	10.0794	1.07742
3	hcs126c03	9862	MED24	0.853533	0.209393	10.5855	10.5285	1.0403
5	hcs126c03	9862	MED24	0.777983	0.322017	10.4724	10.4354	1.02598
7	hcs126c03	9862	MED24	0.880857	-0.169702	10.066	10.0809	-1.01033
1	hcs126c04			0.157405	2.21264	10.1624	10.3222	0.89517
3	hcs126c04			0.913592	-0.122658	10.5369	10.5668	-1.02094
5	hcs126c04			0.571281	0.671104	10.4758	10.3922	1.05968
7	hcs126c04			0.31279	1.33781	10.1224	10.0366	1.06128
1	hcs126c08	?	?	0.176148	-2.05556	11.1918	11.106	1.06125
3	hcs126c08	?	?	0.189911	1.95399	11.4423	11.3719	1.05001
5	hcs126c08	?	?	0.522427	0.768719	11.1474	11.088	1.04201
7	hcs126c08	?	?	0.0730567	-3.49384	10.7165	10.8928	-1.12998
3	hcs126c09	5033	P4HA1	0.0550473	-4.08416	10.0613	10.4953	-1.35095
1	hcs126c10	64327	LMBR1	0.791978	0.300766	10.2738	10.2902	0.988704
3	hcs126c10	64327	LMBR1	0.692931	-0.456306	10.523	10.5639	-1.0288
5	hcs126c10	64327	LMBR1	0.630207	0.562866	10.3476	10.2933	1.03838
7	hcs126c10	64327	LMBR1	0.32935	1.27861	10.09	10.0365	1.03776
1	hcs126c11	5148	PDE6G	0.87551	0.177435	10.3905	10.4141	0.983807
3	hcs126c11	5148	PDE6G	0.224348	-1.73797	10.4893	10.7277	-1.17966
5	hcs126c11	5148	PDE6G	0.383625	-1.10697	10.3629	10.4559	-1.06662
7	hcs126c11	5148	PDE6G	0.115117	-2.68651	10.2679	10.2956	-1.01941
1	hcs126d03	2103	ESRRB	0.241131	1.64793	10.6447	10.8849	0.846608
3	hcs126d03	2103	ESRRB	0.871727	-0.182917	11.0009	11.0402	-1.02762
5	hcs126d03	2103	ESRRB	0.409546	1.03464	10.8979	10.8131	1.06057
7	hcs126d03	2103	ESRRB	0.441124	-0.953112	10.4546	10.4932	-1.02712
1	hcs126d04	9798	KIAA0174	0.85003	0.214515	10.1913	10.2312	0.972718
3	hcs126d04	9798	KIAA0174	0.778786	-0.320792	10.283	10.3641	-1.05787
5	hcs126d04	9798	KIAA0174	0.397203	1.06842	10.4602	10.3182	1.10348
7	hcs126d04	9798	KIAA0174	0.658288	0.514207	9.9122	9.8929	1.01347
1	hcs126d07	55855	FAM45B	0.377089	1.12609	9.94935	10.1413	0.875391
3	hcs126d07	55855	FAM45B	0.638311	0.548649	10.4778	10.4254	1.03699
5	hcs126d07	55855	FAM45B	0.0580874	3.96615	10.3222	10.0737	1.18798
7	hcs126d07	55855	FAM45B	0.469432	-0.885203	10.0887	10.2802	-1.14188
1	hcs126d08	152006	RNF38	0.723609	0.406719	10.4498	10.4806	0.978877

3	hcs126d08	152006	RNF38	0.824615	-0.251936	10.7711	10.8092	-1.02676
5	hcs126d08	152006	RNF38	0.0513505	4.24113	10.765	10.5258	1.18034
7	hcs126d08	152006	RNF38	0.526265	-0.760744	10.0747	10.1807	-1.07621
1	hcs126d12	?	?	0.859744	-0.200332	10.0188	10.0081	1.00748
3	hcs126d12	?	?	0.266198	-1.52754	10.1968	10.3719	-1.12902
5	hcs126d12	?	?	0.409551	-1.03463	9.80967	9.92489	-1.08314
7	hcs126d12	?	?	0.250557	-1.60085	9.52569	9.65744	-1.09563
1	hcs126e01	2785	GNG3	0.692324	0.457302	9.62771	9.69246	0.956109
3	hcs126e01	2785	GNG3	0.972146	0.0394066	10.0721	10.0642	1.00548
5	hcs126e01	2785	GNG3	0.0534936	-4.1482	9.56773	9.95137	-1.30463
5	hcs126e03	25934	NIPSNAP3A	0.886934	0.160931	10.087	10.0685	1.01288
1	hcs126e04	117584	RFFL	0.456816	0.914919	9.59195	9.72839	0.909761
5	hcs126e04	117584	RFFL	0.757268	0.353858	9.89503	9.84622	1.03441
7	hcs126e04	117584	RFFL	0.578119	-0.658058	9.75667	9.83974	-1.05927
1	hcs126e05	23053	KIAA0913	0.782139	-0.315685	11.0367	11.0299	1.00472
3	hcs126e05	23053	KIAA0913	0.267999	1.51945	11.6601	11.4968	1.11985
5	hcs126e05	23053	KIAA0913	0.42574	-0.992002	11.2149	11.2681	-1.03754
7	hcs126e05	23053	KIAA0913	0.113593	-2.70804	10.7929	10.8914	-1.07068
1	hcs126e09	5317	PKP1	0.900611	-0.141257	10.5958	10.5747	1.01473
3	hcs126e09	5317	PKP1	0.228387	1.71552	10.919	10.7023	1.16205
5	hcs126e09	5317	PKP1	0.53605	-0.740664	10.4526	10.5867	-1.09736
7	hcs126e09	5317	PKP1	0.241107	-1.64805	10.3267	10.481	-1.11291
1	hcs126e10	56181	FAM54B	0.159122	2.1972	10.2192	10.326	0.928637
3	hcs126e10	56181	FAM54B	0.669487	0.495249	10.4496	10.3562	1.06688
5	hcs126e10	56181	FAM54B	0.655019	-0.519787	10.3487	10.4077	-1.0417
7	hcs126e10	56181	FAM54B	0.133407	-2.45593	9.98596	10.0679	-1.05847
1	hcs126e11	?	?	0.975028	0.0353271	9.84443	9.85197	0.994787
3	hcs126e11	?	?	0.181697	2.01336	10.3061	10.1134	1.1429
5	hcs126e11	?	?	0.725777	-0.403269	9.74801	9.7765	-1.01994
7	hcs126e11	?	?	0.149712	-2.28472	9.57952	9.80291	-1.16747
1	hcs126f03	?	?	0.0680654	3.63447	11.4339	11.6703	0.848861
3	hcs126f03	?	?	0.401576	1.05632	11.7741	11.6188	1.11365
5	hcs126f03	?	?	0.216351	-1.78403	11.6235	11.7423	-1.08583
7	hcs126f03	?	?	0.0867391	-3.17041	11.3121	11.3751	-1.04466
1	hcs126f04	?	?	0.483051	-0.854044	10.771	10.6693	1.07303
3	hcs126f04	?	?	0.85983	-0.200207	11.1859	11.2242	-1.0269
5	hcs126f04	?	?	0.263783	-1.53849	10.8671	11.2199	-1.27698
7	hcs126f04	?	?	0.363263	-1.16782	10.788	11.0004	-1.15856
1	hcs126f05	6181	RPLP2	0.145625	2.32513	10.1808	10.3891	0.865536
3	hcs126f05	6181	RPLP2	0.396783	-1.06959	10.4185	10.6193	-1.14934
5	hcs126f05	6181	RPLP2	0.5196	0.77463	10.2754	10.1458	1.09396
7	hcs126f05	6181	RPLP2	0.881195	-0.169214	10.3141	10.343	-1.02021
1	hcs126f07	91137	SLC25A46	0.999845	0.0002189	10.5197	10.5198	0.999935
3	hcs126f07	91137	SLC25A46	0.487058	0.845049	11.264	11.0189	1.1852
5	hcs126f07	91137	SLC25A46	0.385865	-1.1005	10.3892	10.6844	-1.22705
7	hcs126f07	91137	SLC25A46	0.183627	-1.99909	9.88303	10.3196	-1.35342
1	hcs126f08	92667	C20orf72	0.579051	-0.656292	10.2064	10.1357	1.05025

3	hcs126f08	92667	C20orf72	0.976764	-0.032869	10.607	10.6123	-1.00366
5	hcs126f08	92667	C20orf72	0.330218	1.27561	10.0838	10.0323	1.03631
7	hcs126f08	92667	C20orf72	0.853946	0.20879	9.95981	9.94291	1.01178
1	hcs126f09			0.64276	-0.540907	11.0717	11.042	1.02078
3	hcs126f09			0.549332	0.713955	11.2599	11.1476	1.081
5	hcs126f09			0.316707	-1.32347	11.1374	11.3025	-1.1213
7	hcs126f09			0.967172	-0.046451	10.907	10.9114	-1.00308
1	hcs126f11	81573	ANKRD13C	0.305444	-1.3653	10.3076	10.0989	1.15566
3	hcs126f11	81573	ANKRD13C	0.56255	-0.687965	10.3482	10.4234	-1.05352
5	hcs126f11	81573	ANKRD13C	0.91825	-0.116	9.97915	9.98974	-1.00737
7	hcs126f11	81573	ANKRD13C	0.24919	-1.60754	9.77909	10.0594	-1.21445
1	hcs126f12	?	?	0.486443	-0.846425	10.4979	10.4543	1.03068
3	hcs126f12	?	?	0.218783	-1.76979	10.4229	10.5917	-1.12414
5	hcs126f12	?	?	0.104021	-2.85322	10.277	10.3778	-1.07236
7	hcs126f12	?	?	0.264571	-1.5349	9.84474	9.92237	-1.05529
1	hcs126g02	1315	COPB1	0.625435	-0.571306	9.81149	9.65851	1.11186
1	hcs126g04	5149	PDE6H	0.604915	0.608216	10.5669	10.736	0.889397
3	hcs126g04	5149	PDE6H	0.916967	-0.117833	10.6874	10.7131	-1.01795
5	hcs126g04	5149	PDE6H	0.515874	0.782466	10.8706	10.7044	1.12212
7	hcs126g04	5149	PDE6H	0.479255	-0.862639	10.4729	10.5484	-1.05373
1	hcs126g06	283578	TMED8	0.931626	0.0969216	9.80922	9.82994	0.985743
3	hcs126g06	283578	TMED8	0.247839	-1.61419	9.87031	10.2305	-1.28359
5	hcs126g06	283578	TMED8	0.730032	0.396516	9.89133	9.83376	1.04072
7	hcs126g06	283578	TMED8	0.0917484	3.06976	9.67788	9.52432	1.11231
1	hcs126g07	79969	ATAT1	0.531468	0.750021	10.0127	10.0866	0.950047
3	hcs126g07	79969	ATAT1	0.618843	-0.583052	10.3695	10.4853	-1.08358
5	hcs126g07	79969	ATAT1	0.356707	1.18826	10.2181	9.98317	1.17688
7	hcs126g07	79969	ATAT1	0.221744	1.75273	10.0833	9.84518	1.17946
1	hcs126g08	51635	DHRS7	0.156483	2.22102	10.0327	10.1292	0.935299
3	hcs126g08	51635	DHRS7	0.632878	-0.558164	10.1416	10.2774	-1.09873
5	hcs126g08	51635	DHRS7	0.718638	0.414657	10.2124	10.134	1.05588
7	hcs126g08	51635	DHRS7	0.620081	0.580837	10.0486	9.98999	1.04145
1	hcs126h02	28988	DBNL	0.745825	0.371664	10.4299	10.5062	0.948492
3	hcs126h02	28988	DBNL	0.879002	0.172383	10.8401	10.8068	1.02335
5	hcs126h02	28988	DBNL	0.807137	0.277968	10.6906	10.6453	1.03185
7	hcs126h02	28988	DBNL	0.0158085	7.85881	10.1633	10.1148	1.03423
1	hcs126h03	?	?	0.904646	0.135468	12.0316	12.0483	0.988514
3	hcs126h03	?	?	0.194157	1.92464	12.237	12.094	1.10422
5	hcs126h03	?	?	0.797927	0.291793	12.0574	12.0057	1.03653
7	hcs126h03	?	?	0.98121	-0.0265772	11.7363	11.7385	-1.00155
1	hcs126h04	598	BCL2L1	0.359173	1.18052	10.0194	10.1141	0.936456
3	hcs126h04	598	BCL2L1	0.872331	-0.182041	10.1244	10.1447	-1.01419
5	hcs126h04	598	BCL2L1	0.468406	0.88759	10.1575	9.9245	1.17526
7	hcs126h04	598	BCL2L1	0.0262082	6.05496	9.93609	9.5805	1.27951
1	hcs126h05	?	?	0.491528	0.835103	10.5577	10.7175	0.89517
3	hcs126h05	?	?	0.886693	0.161279	10.8272	10.82	1.00503
5	hcs126h05	?	?	0.762996	-0.345004	10.7782	10.7965	-1.01274



7	hcs126h05	?	?	0.204822	-1.85455	10.4314	10.5278	-1.0691
1	hcs126h06	9829	DNAJC6	0.561688	-0.689643	10.3574	10.1101	1.18698
3	hcs126h06	9829	DNAJC6	0.481426	-0.857714	10.3803	10.4697	-1.0639
5	hcs126h06	9829	DNAJC6	0.900466	0.141465	9.67622	9.62978	1.03272
3	hcs126h07	?	?	0.838633	0.231238	10.8249	10.757	1.04823
5	hcs126h07	?	?	0.694971	-0.452963	9.77284	9.95988	-1.13843
7	hcs126h07	?	?	0.254166	-1.58342	9.18262	10.5474	-2.57539
1	hcs126h09	?	?	0.186355	1.97926	9.74355	9.84136	0.93445
5	hcs126h09	?	?	0.454073	0.921493	10.0862	9.95735	1.09344
7	hcs126h09	?	?	0.428966	-0.983722	9.68345	9.81359	-1.0944
1	hcs126h10	?	?	0.609358	-0.600136	9.82156	9.73319	1.06317
3	hcs126h10	?	?	0.525174	0.763006	10.2259	10.0572	1.12401
5	hcs126h10	?	?	0.890043	-0.156451	9.80154	9.83229	-1.02154
7	hcs126h10	?	?	0.307227	-1.35855	9.43768	9.7204	-1.21649
1	hcs127a04	7220	TRPC1	0.504185	0.807421	10.8568	10.9911	0.911133
3	hcs127a04	7220	TRPC1	0.458669	0.910501	11.5003	11.3629	1.09992
5	hcs127a04	7220	TRPC1	0.0334336	-5.3309	11.181	11.2825	-1.07286
7	hcs127a04	7220	TRPC1	0.480876	-0.85896	10.8763	10.9504	-1.05268
1	hcs127a05			0.292622	-1.4153	11.8244	11.7242	1.07195
3	hcs127a05			0.0096896	10.0849	11.8354	11.6485	1.13829
5	hcs127a05			0.137171	-2.41392	11.7917	11.9226	-1.09495
7	hcs127a05			0.247063	-1.61803	11.3913	11.5514	-1.11736
1	hcs127a06			0.647824	-0.532145	10.4513	10.3517	1.07149
3	hcs127a06			0.386694	1.09812	10.6708	10.6097	1.04331
5	hcs127a06			0.593574	0.629072	10.4612	10.3954	1.04668
7	hcs127a06			0.433963	-0.97103	10.1342	10.3562	-1.16632
1	hcs127a07	23029	RBM34	0.102617	-2.87612	10.5167	10.3907	1.09124
3	hcs127a07	23029	RBM34	0.625283	-0.571574	10.6166	10.7078	-1.06526
5	hcs127a07	23029	RBM34	0.0568332	4.01372	10.4269	10.3511	1.05392
7	hcs127a07	23029	RBM34	0.292535	1.41565	10.5042	10.24	1.201
1	hcs127a08	112936	VPS26B	0.627509	-0.567632	10.4403	10.3984	1.02944
3	hcs127a08	112936	VPS26B	0.943455	0.0800951	10.3599	10.3453	1.01019
5	hcs127a08	112936	VPS26B	0.251319	-1.59714	10.3548	10.5102	-1.11373
7	hcs127a08	112936	VPS26B	0.957196	-0.0605889	10.1156	10.1185	-1.00201
1	hcs127a09			0.175836	2.05799	9.85965	10.066	0.866729
3	hcs127a09			0.4574	-0.913523	10.2806	10.4004	-1.08662
5	hcs127a09			0.124687	2.55994	10.352	10.2794	1.05163
7	hcs127a09			0.646433	0.534546	9.99685	9.95468	1.02966
1	hcs127a10	2960	GTF2E1	0.599492	0.618146	9.98291	10.0693	0.941886
3	hcs127a10	2960	GTF2E1	0.23263	-1.69248	10.3717	10.5226	-1.11029
5	hcs127a10	2960	GTF2E1	0.382985	-1.10882	10.0855	10.1762	-1.0649
7	hcs127a10	2960	GTF2E1	0.37869	1.12137	9.82222	9.76349	1.04155
1	hcs127a11	191	AHCY	0.455692	0.917607	9.67065	9.78852	0.921549
3	hcs127a11	191	AHCY	0.024377	-6.28716	10.1558	10.4559	-1.23128
5	hcs127a11	191	AHCY	0.422832	-0.999526	9.77827	9.87013	-1.06574
7	hcs127a11	191	AHCY	0.337529	1.25069	9.86174	9.70394	1.11558
1	hcs127a12	23001	WDFY3	0.33252	-1.26769	10.3981	10.2877	1.07951

3	hcs127a12	23001	WDFY3	0.297421	-1.39628	10.5978	10.735	-1.09973
5	hcs127a12	23001	WDFY3	0.16453	-2.15005	10.0437	10.2256	-1.13438
7	hcs127a12	23001	WDFY3	0.768643	-0.336313	9.77772	9.85438	-1.05458
1	hcs127b02	10067	SCAMP3	0.819945	-0.258866	10.3699	10.3324	1.02633
3	hcs127b02	10067	SCAMP3	0.996668	-0.0047118	10.3203	10.3215	-1.00083
5	hcs127b02	10067	SCAMP3	0.199523	1.88874	10.4988	10.3438	1.1134
7	hcs127b02	10067	SCAMP3	0.500975	0.814375	10.2073	10.1529	1.03845
1	hcs127b04	?	?	0.328524	1.28148	10.1883	10.2827	0.936655
3	hcs127b04	?	?	0.652564	-0.523992	10.4124	10.5094	-1.0696
5	hcs127b04	?	?	0.281907	-1.45922	10.1122	10.178	-1.04663
7	hcs127b04	?	?	0.359219	-1.18037	10.0081	10.0338	-1.01795
1	hcs127b07	7178	TPT1	0.657672	0.515256	10.6377	10.7165	0.946867
3	hcs127b07	7178	TPT1	0.539743	0.733175	10.9428	10.8977	1.0318
5	hcs127b07	7178	TPT1	0.984632	-0.0217355	10.7773	10.7791	-1.00123
7	hcs127b07	7178	TPT1	0.977787	-0.0314223	10.5589	10.5605	-1.00113
3	hcs127b08	85476	GFM1	0.260555	-1.55334	10.4037	10.4739	-1.0499
5	hcs127b08	85476	GFM1	0.145965	-2.32171	9.93845	10.0459	-1.07729
7	hcs127b08	85476	GFM1	0.347062	1.21914	9.68064	9.6082	1.0515
1	hcs127b09	79921	TCEAL4	0.431774	0.97657	10.392	10.451	0.959929
3	hcs127b09	79921	TCEAL4	0.845637	-0.220951	10.6137	10.6548	-1.0289
5	hcs127b09	79921	TCEAL4	0.568382	0.676676	10.5467	10.5017	1.03166
7	hcs127b09	79921	TCEAL4	0.424654	0.994806	10.3946	10.2693	1.09073
1	hcs127b10			0.69094	0.459576	12.1399	12.1976	0.960772
3	hcs127b10			0.682358	0.473749	11.9576	11.9163	1.02899
5	hcs127b10			0.146225	-2.3191	12.2218	12.3495	-1.09258
7	hcs127b10			0.402097	-1.05488	11.6624	11.9253	-1.19989
1	hcs127b12			0.565625	0.681999	10.4645	10.5213	0.961372
3	hcs127b12			0.76879	-0.336087	10.5593	10.619	-1.04225
5	hcs127b12			0.672469	-0.490241	10.484	10.5387	-1.03864
7	hcs127b12			0.95231	0.0675208	10.2048	10.2018	1.00208
1	hcs127c03	?	?	0.139392	-2.38987	10.8358	10.6345	1.14977
3	hcs127c03	?	?	0.051502	4.23438	10.8949	10.6663	1.17169
5	hcs127c03	?	?	0.562206	-0.688634	11.0959	11.1255	-1.02068
7	hcs127c03	?	?	0.191274	-1.94447	10.0721	10.4712	-1.31871
1	hcs127c05	8567	MADD	0.545266	0.722066	10.1212	10.2116	0.939284
3	hcs127c05	8567	MADD	0.444085	-0.945795	10.7174	10.7894	-1.0512
5	hcs127c05	8567	MADD	0.451423	0.927886	10.3419	10.1065	1.17722
7	hcs127c05	8567	MADD	0.330246	1.27551	9.95875	9.91404	1.03147
1	hcs127c08	63874	ABHD4	0.80366	0.283179	9.96411	9.98946	0.982582
3	hcs127c08	63874	ABHD4	0.661968	0.507949	10.4436	10.3506	1.06654
5	hcs127c08	63874	ABHD4	0.484335	0.851154	10.1781	10.091	1.0622
7	hcs127c08	63874	ABHD4	0.310964	1.34457	9.81228	9.66994	1.10369
1	hcs127c11	7073	TIAL1	0.294652	1.40721	9.57815	10.1091	0.692102
3	hcs127c11	7073	TIAL1	0.0105787	9.64534	10.225	10.0749	1.10961
5	hcs127c11	7073	TIAL1	0.304521	-1.36881	9.5464	9.67921	-1.09642
7	hcs127c11	7073	TIAL1	0.232474	-1.69332	9.18785	10.1569	-1.95756
1	hcs127d01	2286	FKBP2	0.0428062	4.67676	9.71606	9.90648	0.876352

3	hcs127d01	2286	FKBP2	0.365445	-1.16111	9.80441	10.1847	-1.30163
5	hcs127d01	2286	FKBP2	0.647924	0.531973	10.062	10.0225	1.02772
7	hcs127d01	2286	FKBP2	0.170334	2.10175	10.0024	9.7549	1.18713
1	hcs127d02	?	?	0.711168	-0.426655	10.0433	9.99061	1.0372
3	hcs127d02	?	?	0.582639	-0.649512	9.99314	10.2083	-1.1608
5	hcs127d02	?	?	0.458406	0.911126	10.0289	9.93749	1.06541
7	hcs127d02	?	?	0.829285	0.245025	9.88502	9.8563	1.0201
1	hcs127d04	?	?	0.18793	1.96799	11.1593	11.4258	0.831315
3	hcs127d04	?	?	0.339419	1.24435	11.4189	11.1904	1.17159
5	hcs127d04	?	?	0.0509336	4.25987	11.6668	11.4908	1.12972
7	hcs127d04	?	?	0.58796	0.639525	11.4125	11.2645	1.10806
1	hcs127d06	55251	PCMTD2	0.346061	1.22241	10.2699	10.3948	0.917067
3	hcs127d06	55251	PCMTD2	0.303853	-1.37136	10.529	10.6098	-1.0576
5	hcs127d06	55251	PCMTD2	0.809166	0.274933	10.5284	10.499	1.02056
7	hcs127d06	55251	PCMTD2	0.373068	1.13804	10.2071	10.1304	1.05462
1	hcs127d07			0.327418	1.28533	10.0755	10.2833	0.865876
5	hcs127d07			0.93437	0.0930157	10.2793	10.2673	1.00838
7	hcs127d07			0.0963484	2.98401	10.0916	10.0051	1.06178
1	hcs127d08	9452	ITM2A	0.36753	1.15474	10.0268	10.0913	0.956275
3	hcs127d08	9452	ITM2A	0.453011	-0.924049	10.1956	10.3692	-1.12787
5	hcs127d08	9452	ITM2A	0.973855	0.0369872	10.1122	10.109	1.00228
7	hcs127d08	9452	ITM2A	0.333889	1.26302	9.93453	9.85895	1.05379
1	hcs127d09	23145	SSPO	0.630975	-0.561513	10.632	10.618	1.00977
3	hcs127d09	23145	SSPO	0.310113	-1.34773	10.5756	10.7431	-1.12314
5	hcs127d09	23145	SSPO	0.293859	-1.41036	10.4814	10.5768	-1.06836
7	hcs127d09	23145	SSPO	0.287169	1.43739	10.4029	10.2604	1.10381
1	hcs127d10	115196	ZNF554	0.400917	-1.05813	10.5578	10.4237	1.09743
3	hcs127d10	115196	ZNF554	0.594129	-0.628043	10.338	10.5006	-1.11935
5	hcs127d10	115196	ZNF554	0.121144	-2.60516	10.4859	10.6612	-1.12923
7	hcs127d10	115196	ZNF554	0.41609	1.01719	10.2748	10.2362	1.02714
1	hcs127d11	7379	UPK2	0.463523	0.899015	10.6394	10.7367	0.934781
3	hcs127d11	7379	UPK2	0.473121	-0.876672	10.5021	10.679	-1.1305
5	hcs127d11	7379	UPK2	0.426571	0.989863	10.7111	10.5337	1.13087
7	hcs127d11	7379	UPK2	0.159864	2.19061	10.6721	10.5445	1.09247
1	hcs127d12	?	?	0.8441	0.223206	10.5384	10.5505	0.991648
3	hcs127d12	?	?	0.753618	-0.359519	10.5563	10.6385	-1.05866
5	hcs127d12	?	?	0.928815	0.100927	10.5095	10.4926	1.01178
7	hcs127d12	?	?	0.882801	-0.166895	10.2785	10.2917	-1.00914
3	hcs127e01	?	?	0.486406	-0.846508	10.4023	10.696	-1.22577
5	hcs127e01	?	?	0.766637	-0.339396	10.3164	10.4409	-1.09009
7	hcs127e01	?	?	0.385794	1.10071	9.78245	9.69672	1.06122
1	hcs127e02	9092	SART1	0.618527	-0.583617	10.692	10.6238	1.04843
3	hcs127e02	9092	SART1	0.1683	-2.11842	10.9484	11.0205	-1.05125
5	hcs127e02	9092	SART1	0.996541	0.0048914	10.6955	10.6947	1.00053
7	hcs127e02	9092	SART1	0.127919	2.52024	10.3978	10.3371	1.043
1	hcs127e03	23567	ZNF346	0.42695	-0.988891	10.5098	10.4003	1.07888
3	hcs127e03	23567	ZNF346	0.408368	-1.03781	10.777	10.8543	-1.05504

5	hcs127e03	23567	ZNF346	0.295393	-1.40427	10.6989	10.7574	-1.04138
7	hcs127e03	23567	ZNF346	0.705529	-0.435767	10.1642	10.2103	-1.03249
1	hcs127e04	23233	EXOC6B	0.277177	-1.47927	11.3717	11.047	1.25238
3	hcs127e04	23233	EXOC6B	0.581657	0.651363	11.4207	11.3412	1.05668
5	hcs127e04	23233	EXOC6B	0.30699	-1.35945	10.7065	11.0596	-1.27724
7	hcs127e04	23233	EXOC6B	0.266834	-1.52467	10.1593	10.5838	-1.34209
1	hcs127e07	6169	RPL38	0.708191	-0.43146	11.8505	11.7615	1.06363
3	hcs127e07	6169	RPL38	0.573305	0.667227	11.8917	11.8428	1.0345
5	hcs127e07	6169	RPL38	0.0605182	-3.87809	11.7926	11.9194	-1.09187
7	hcs127e07	6169	RPL38	0.343282	-1.23153	11.4961	11.7062	-1.15677
1	hcs127e08			0.675178	-0.485705	9.93276	9.81938	1.08176
5	hcs127e08			0.624907	-0.572243	10.2526	10.4707	-1.16321
7	hcs127e08			0.16962	-2.10757	9.67219	10.2166	-1.45841
1	hcs127e09	10668	CGRRF1	0.0692527	-3.59969	9.74296	9.64404	1.07097
3	hcs127e09	10668	CGRRF1	0.75959	-0.350264	10.4549	10.5276	-1.05174
5	hcs127e09	10668	CGRRF1	0.432315	-0.975199	9.5768	9.63643	-1.0422
7	hcs127e09	10668	CGRRF1	0.371675	-1.14221	9.52658	9.77204	-1.18547
1	hcs127e10	301	ANXA1	0.123154	2.57928	11.1167	11.3196	0.868802
3	hcs127e10	301	ANXA1	0.426495	0.990058	11.3755	11.2833	1.06599
5	hcs127e10	301	ANXA1	0.150883	2.27342	11.3503	10.996	1.27834
7	hcs127e10	301	ANXA1	0.192658	-1.9349	10.6619	10.9322	-1.20611
1	hcs127e11	10787	NCKAP1	0.919406	0.114349	10.3542	10.3785	0.983304
5	hcs127e11	10787	NCKAP1	0.729627	0.397157	10.2547	10.174	1.05753
7	hcs127e11	10787	NCKAP1	0.122727	-2.58474	9.80606	10.3081	-1.41625
1	hcs127e12			0.465767	0.893749	13.1133	13.3875	0.82689
3	hcs127e12			0.242404	1.64144	13.125	12.9581	1.1227
5	hcs127e12			0.0719662	3.52336	13.3138	12.6957	1.53489
7	hcs127e12			0.115388	2.68273	13.0233	12.581	1.35874
1	hcs127f01	?	?	0.172943	-2.08076	10.3451	10.1463	1.14777
3	hcs127f01	?	?	0.41784	-1.01258	10.6778	10.9037	-1.16945
5	hcs127f01	?	?	0.0538235	-4.13438	10.4207	10.6086	-1.13913
7	hcs127f01	?	?	0.694865	0.453137	9.61662	9.59081	1.01805
1	hcs127f02	8731	RNMT	0.443333	0.94765	12.0615	12.2216	0.894943
3	hcs127f02	8731	RNMT	0.606086	0.606082	12.0127	11.9335	1.05641
5	hcs127f02	8731	RNMT	0.100202	2.91654	12.3883	11.9946	1.3137
7	hcs127f02	8731	RNMT	0.0237296	6.37553	12.187	11.7288	1.37379
1	hcs127f03	93973	ACTR8	0.47081	0.882008	10.6007	10.8002	0.870872
3	hcs127f03	93973	ACTR8	0.814292	-0.267279	10.794	10.8651	-1.05047
5	hcs127f03	93973	ACTR8	0.52722	0.758768	10.8243	10.7541	1.04989
7	hcs127f03	93973	ACTR8	0.197026	1.90528	10.6492	10.4736	1.12946
1	hcs127f04	7171	TPM4	0.200878	1.87989	9.89325	10.1783	0.820687
3	hcs127f04	7171	TPM4	0.851185	-0.212826	10.1589	10.1972	-1.02691
5	hcs127f04	7171	TPM4	0.249462	1.6062	10.1732	9.95486	1.16336
7	hcs127f04	7171	TPM4	0.081271	3.29024	10.0746	9.84896	1.16926
1	hcs127f05	9529	BAG5	0.264821	1.53377	10.3642	10.5965	0.851257
3	hcs127f05	9529	BAG5	0.856625	-0.20488	10.7059	10.7374	-1.02207
5	hcs127f05	9529	BAG5	0.143093	2.35095	10.5824	10.4179	1.12083

7	hcs127f05	9529	BAG5	0.851888	0.211798	10.7976	10.7715	1.01828
1	hcs127f06	25791	NGEF	0.484418	0.850967	10.2353	10.3608	0.916701
3	hcs127f06	25791	NGEF	0.264131	-1.53691	10.3999	10.5604	-1.11767
5	hcs127f06	25791	NGEF	0.404804	1.04748	10.345	10.1713	1.12799
7	hcs127f06	25791	NGEF	0.0417755	4.73795	10.0263	9.90255	1.08958
1	hcs127f08	113189	CHST14	0.100292	2.915	9.91615	10.3764	0.726837
3	hcs127f08	113189	CHST14	0.188501	-1.96393	10.073	10.6365	-1.47783
5	hcs127f08	113189	CHST14	0.120935	-2.60788	10.3439	10.406	-1.04394
7	hcs127f08	113189	CHST14	0.0706605	-3.55956	9.76271	10.1881	-1.34296
1	hcs127f09	?	?	0.642551	0.54127	10.9997	11.1511	0.900355
3	hcs127f09	?	?	0.44282	-0.948915	10.9708	11.1427	-1.12652
5	hcs127f09	?	?	0.771806	-0.331461	10.9669	11.0155	-1.03424
7	hcs127f09	?	?	0.573614	-0.666638	10.7357	10.7919	-1.03975
1	hcs127f10	3987	LIMS1	0.96596	-0.0481674	10.3442	10.3372	1.00485
3	hcs127f10	3987	LIMS1	0.545948	-0.720701	10.1999	10.3564	-1.11455
5	hcs127f10	3987	LIMS1	0.645045	0.536946	10.4813	10.4194	1.04389
7	hcs127f10	3987	LIMS1	0.197563	1.90171	10.0696	9.89431	1.12915
1	hcs127f12	57555	NLGN2	0.0912266	3.07987	10.0328	10.1716	0.908274
3	hcs127f12	57555	NLGN2	0.6254	-0.571367	9.95368	10.117	-1.11983
5	hcs127f12	57555	NLGN2	0.992701	0.0103227	10.1619	10.1592	1.00185
7	hcs127f12	57555	NLGN2	0.761841	-0.346786	9.96982	9.98699	-1.01197
1	hcs127g01			0.467645	-0.889362	10.3796	10.1613	1.16338
3	hcs127g01			0.302237	-1.37756	10.5781	10.9053	-1.25455
5	hcs127g01			0.672879	0.489554	10.4398	10.3403	1.07143
7	hcs127g01			0.774648	0.327109	10.0661	10.0433	1.01588
1	hcs127g02	10019	SH2B3	0.40062	1.05895	12.9922	13.173	0.882213
3	hcs127g02	10019	SH2B3	0.861066	-0.198406	12.9964	13.0205	-1.01682
5	hcs127g02	10019	SH2B3	0.0374447	-5.02152	13.0576	13.2717	-1.15995
7	hcs127g02	10019	SH2B3	0.685452	-0.468625	12.8307	12.9946	-1.12029
1	hcs127g03	91647	ATPAF2	0.0900552	-3.10288	10.5543	10.5081	1.03252
3	hcs127g03	91647	ATPAF2	0.7397	0.381263	10.866	10.8305	1.02489
5	hcs127g03	91647	ATPAF2	0.500859	0.814627	10.6297	10.4966	1.09665
7	hcs127g03	91647	ATPAF2	0.308312	-1.35447	10.2415	10.3809	-1.10143
1	hcs127g04	9184	BUB3	0.701019	0.443091	10.9208	11.0232	0.931514
3	hcs127g04	9184	BUB3	0.522391	0.768793	11.5185	11.3795	1.10112
5	hcs127g04	9184	BUB3	0.412274	-1.02733	10.9013	11.2101	-1.23865
7	hcs127g04	9184	BUB3	0.0482819	-4.38452	10.258	10.5942	-1.26241
1	hcs127g06	9037	SEMA5A	0.753601	-0.359546	10.3982	10.3364	1.04378
3	hcs127g06	9037	SEMA5A	0.541567	0.729493	10.8057	10.7499	1.03946
5	hcs127g06	9037	SEMA5A	0.728379	0.399136	10.5731	10.5234	1.03505
7	hcs127g06	9037	SEMA5A	0.0482913	-4.38406	10.0178	10.2586	-1.18166
5	hcs127g09	8621	CDK13	0.236075	1.67417	10.0922	9.74918	1.26839
1	hcs127g10	84262	PSMG3	0.769349	-0.335229	10.4284	10.3987	1.0208
3	hcs127g10	84262	PSMG3	0.230642	-1.7032	10.4091	10.5576	-1.10844
5	hcs127g10	84262	PSMG3	0.101875	-2.88838	10.2362	10.3338	-1.06996
7	hcs127g10	84262	PSMG3	0.741779	0.377999	10.1349	10.1055	1.0206
1	hcs127h02	?	?	0.317744	-1.31971	14.5523	14.2533	1.23032

3	hcs127h02	?	?	0.992598	-0.010468	14.0792	14.081	-1.00123
5	hcs127h02	?	?	0.173206	2.07867	14.3126	14.2253	1.06238
7	hcs127h02	?	?	0.29925	1.38912	14.5288	14.4018	1.09202
1	hcs127h03	?	?	0.777566	-0.322653	9.96864	9.92505	1.03068
3	hcs127h03	?	?	0.823772	-0.253187	9.8256	9.90089	-1.05357
5	hcs127h03	?	?	0.872754	-0.181428	9.565	9.59379	-1.02016
7	hcs127h03	?	?	0.286399	-1.44056	9.82692	10.0919	-1.2016
5	hcs127h04	?	?	0.538229	0.736238	9.92652	9.59196	1.261
1	hcs127h05	?	?	0.237713	1.66559	12.9637	13.3801	0.749309
3	hcs127h05	?	?	0.820262	-0.258396	12.9043	13.0291	-1.09038
5	hcs127h05	?	?	0.224136	1.73916	13.4111	12.994	1.33524
7	hcs127h05	?	?	0.0392621	4.89692	13.3665	12.7951	1.4859
1	hcs127h06	?	?	0.772786	-0.329959	9.78895	9.74395	1.03169
3	hcs127h06	?	?	0.0694665	-3.59352	9.85239	10.2181	-1.2885
5	hcs127h06	?	?	0.932055	0.0963108	9.65978	9.64005	1.01377
7	hcs127h06	?	?	0.0663019	-3.68777	9.62574	9.78654	-1.1179
3	hcs127h07	?	?	0.0594187	-3.91727	9.80231	10.2342	-1.349
1	hcs127h09	?	?	0.564033	-0.685085	9.8401	9.66044	1.13261
3	hcs127h09	?	?	0.167977	-2.12109	9.88627	10.3635	-1.39205
5	hcs127h09	?	?	0.357649	-1.18529	9.85954	10.0157	-1.11428
7	hcs127h09	?	?	0.930195	0.0989607	9.62494	9.61301	1.00831
1	hcs127h10	?	?	0.773985	-0.328125	9.91092	9.85362	1.04051
5	hcs127h10	?	?	0.516003	0.782194	9.87981	9.7687	1.08006
5	hcs127h11	?	?	0.327535	-1.28492	9.59827	9.72289	-1.09022
1	hcs127h12	?	?	0.319811	1.31226	10.7507	10.9485	0.871908
3	hcs127h12	?	?	0.998339	0.00234921	10.5862	10.5856	1.00042
5	hcs127h12	?	?	0.517839	0.778327	10.7287	10.6356	1.06667
7	hcs127h12	?	?	0.204079	1.85927	10.5846	10.4582	1.09158
5	hcs128a02	?	?	0.932917	0.0950837	10.1466	10.1253	1.01485
1	hcs128a03	?	?	0.574678	-0.664606	10.2966	10.1791	1.08484
3	hcs128a03	?	?	0.177484	-2.04524	10.2776	10.6352	-1.28122
5	hcs128a03	?	?	0.47507	0.872193	10.3863	10.0581	1.25541
7	hcs128a03	?	?	0.016925	-7.58871	10.0147	10.237	-1.16658
1	hcs128a04	?	?	0.731613	-0.394012	10.1675	10.1309	1.02571
3	hcs128a04	?	?	0.158938	-2.19885	10.3582	10.6647	-1.23672
5	hcs128a04	?	?	0.594826	0.626752	10.3774	10.2053	1.12674
7	hcs128a04	?	?	0.886438	-0.161647	10.2698	10.2942	-1.01708
3	hcs128a05	4069	LYZ	0.0129252	8.71044	11.4028	10.9401	1.37811
5	hcs128a05	4069	LYZ	0.57937	-0.655687	10.8174	11.0177	-1.14892
7	hcs128a05	4069	LYZ	0.474914	-0.872552	10.1407	10.2895	-1.10868
1	hcs128a06	?	?	0.452126	-0.926187	10.0115	9.91204	1.07137
3	hcs128a06	?	?	0.153452	-2.24906	10.0871	10.3527	-1.20213
7	hcs128a06	?	?	0.236359	-1.67268	9.77453	9.93005	-1.11382
1	hcs128a07	?	?	0.583131	0.648584	11.9601	11.9875	0.98121
3	hcs128a07	?	?	0.886849	-0.161054	11.3232	11.3691	-1.03233
5	hcs128a07	?	?	0.331108	1.27254	12.1498	11.9268	1.16713
7	hcs128a07	?	?	0.00284361	18.7125	11.9007	11.7458	1.11334

5	hcs128a08	?	?	0.487725	-0.84356	9.48713	9.54466	-1.04069
5	hcs128a09	?	?	0.856866	-0.204528	9.4392	9.49029	-1.03605
1	hcs128a10	?	?	0.937915	0.0879714	9.92038	9.93346	0.990974
5	hcs128a10	?	?	0.506423	-0.802601	9.45823	9.67423	-1.16151
5	hcs128a11	?	?	0.230783	-1.70244	8.99847	9.18426	-1.13744
3	hcs128a12	?	?	0.434161	-0.970529	9.9569	10.1294	-1.12701
5	hcs128a12	?	?	0.996218	0.0053480	9.8136	9.812	1.00111
7	hcs128a12	?	?	0.277216	-1.4791	9.60515	9.82895	-1.16781
1	hcs128b02	1469	CST1	0.0363436	5.10142	9.84624	9.9448	0.933967
3	hcs128b02	1469	CST1	0.392139	-1.08262	9.91646	10.2088	-1.22466
5	hcs128b02	1469	CST1	0.587876	0.63968	9.97024	9.83501	1.09827
7	hcs128b02	1469	CST1	0.658664	0.513566	9.90724	9.82824	1.05629
5	hcs128b03	?	?	0.9217	0.111074	9.70216	9.68033	1.01524
7	hcs128b03	?	?	0.221837	-1.75219	9.67957	9.839	-1.11684
3	hcs128b04	?	?	0.376498	-1.12783	10.0291	10.3096	-1.21464
5	hcs128b04	?	?	0.803133	0.283969	10.0577	10.0234	1.02402
7	hcs128b04	?	?	0.0510688	-4.25377	9.45101	9.78744	-1.26263
7	hcs128b05	?	?	0.216222	-1.78479	9.93872	10.2882	-1.2741
1	hcs128b06	?	?	0.0734095	-3.48443	9.69706	9.34998	1.27198
3	hcs128b06	?	?	0.127439	-2.52604	9.70295	9.93685	-1.17602
5	hcs128b06	?	?	0.562431	-0.688196	9.59056	9.75341	-1.11949
1	hcs128b07	?	?	0.46689	0.891124	10.1492	10.4327	0.821611
3	hcs128b07	?	?	0.554995	0.70275	10.5746	10.3977	1.13044
5	hcs128b07	?	?	0.23817	1.66321	10.4279	10.2937	1.09753
7	hcs128b07	?	?	0.182551	-2.00702	10.1241	10.1769	-1.03723
1	hcs128b08	?	?	0.732762	-0.392196	9.65968	9.62141	1.02688
5	hcs128b08	?	?	0.460411	-0.906364	9.50732	9.65864	-1.11059
7	hcs128b08	?	?	0.514985	-0.784345	9.25524	9.42664	-1.12615
1	hcs128b09	?	?	0.4025	-1.05378	12.755	12.6354	1.08641
5	hcs128b09	?	?	0.607268	0.603932	12.7149	12.6078	1.07709
7	hcs128b09	?	?	0.0070039	11.8861	12.7196	12.633	1.06189
3	hcs128b10	?	?	0.715301	-0.420006	9.66898	9.83122	-1.11903
1	hcs128b11	?	?	0.982756	-0.0243898	9.76657	9.76163	1.00343
5	hcs128b11	?	?	0.696165	0.451009	9.56301	9.45374	1.07868
1	hcs128b12	?	?	0.52906	0.754971	9.61651	9.95772	0.789381
3	hcs128b12	?	?	0.276091	-1.48394	9.6198	9.89257	-1.20812
5	hcs128b12	?	?	0.732817	0.392108	9.73433	9.62928	1.07553
7	hcs128b12	?	?	0.257955	-1.56547	9.30718	9.41815	-1.07995
1	hcs128c02	?	?	0.702797	-0.4402	9.8794	9.85339	1.01819
3	hcs128c02	?	?	0.835593	-0.235714	10.2753	10.3131	-1.0266
5	hcs128c02	?	?	0.411099	1.03047	10.1138	9.85408	1.19722
7	hcs128c02	?	?	0.484108	0.851666	10.1925	10.027	1.1216
3	hcs128c03	?	?	0.778583	-0.321101	10.1153	10.238	-1.08877
5	hcs128c03	?	?	0.897622	0.145548	10.0364	10.017	1.01351
7	hcs128c03	?	?	0.279926	1.46756	10.0464	9.89535	1.11038
5	hcs128c04	?	?	0.996232	0.0053284	10.0492	10.0477	1.00105
1	hcs128c05	343990	C2orf55	0.036289	-5.10547	13.5306	13.4309	1.07158

3	hcs128c05	343990	C2orf55	0.929208	0.100367	12.8863	12.8615	1.01732
5	hcs128c05	343990	C2orf55	0.593729	0.628784	13.7974	13.7146	1.05905
7	hcs128c05	343990	C2orf55	0.324678	1.29494	13.1777	13.1119	1.04669
3	hcs128c06	?	?	0.624188	-0.573519	10.1129	10.3177	-1.15248
5	hcs128c06	?	?	0.639499	0.546578	9.66773	9.59502	1.05169
1	hcs128c07	?	?	0.963707	-0.0513598	10.1071	10.0972	1.0069
3	hcs128c07	?	?	0.122084	-2.59298	10.4174	10.728	-1.24018
5	hcs128c07	?	?	0.518856	0.776189	10.3629	10.1615	1.1498
7	hcs128c07	?	?	0.830907	-0.242628	10.0277	10.059	-1.02193
1	hcs128c08	?	?	0.783456	0.313682	9.99172	10.0169	0.982714
3	hcs128c08	?	?	0.0367753	-5.06967	10.2352	10.5439	-1.23862
5	hcs128c08	?	?	0.280709	-1.46425	9.83527	9.84938	-1.00983
7	hcs128c08	?	?	0.623735	-0.574324	9.90828	9.96686	-1.04144
1	hcs128c09	?	?	0.0882146	3.13991	9.68119	10.0783	0.759401
3	hcs128c09			0.00653831	-12.3063	9.75617	10.2583	-1.41632
5	hcs128c09	?	?	0.475332	-0.871592	9.88126	9.95632	-1.0534
7	hcs128c09	?	?	0.281437	-1.46119	9.78934	9.96312	-1.12801
1	hcs128c10	?	?	0.0640972	3.75737	9.32106	9.66615	0.787261
1	hcs128c11	?	?	0.4491	0.933521	9.99893	10.0847	0.942253
3	hcs128c11	?	?	0.0874699	-3.15521	10.0434	10.3881	-1.26987
5	hcs128c11	?	?	0.311862	1.34124	10.178	9.93905	1.18014
7	hcs128c11	?	?	0.726678	-0.401836	10.0293	10.1092	-1.05696
1	hcs128c12	?	?	0.468443	-0.887502	10.1562	10.0081	1.10811
3	hcs128c12	?	?	0.875037	0.178121	10.0847	10.0664	1.01279
5	hcs128c12	?	?	0.292108	1.41736	10.174	10.0011	1.12734
7	hcs128c12	?	?	0.034368	-5.2541	9.72264	9.90771	-1.13688
1	hcs128d02	?	?	0.678321	-0.480461	12.3906	12.3239	1.04732
3	hcs128d02	?	?	0.734001	-0.390239	12.0083	12.0979	-1.06408
5	hcs128d02	?	?	0.82959	-0.244573	12.2771	12.2904	-1.00928
7	hcs128d02	?	?	0.218925	1.76896	12.4257	12.2933	1.09606
1	hcs128d04	?	?	0.718821	-0.414365	9.6644	9.6053	1.04182
3	hcs128d04	?	?	0.366066	-1.15921	9.65042	9.86606	-1.16122
5	hcs128d04	?	?	0.518643	0.776637	9.55856	9.34118	1.16262
1	hcs128d05	?	?	0.27603	1.4842	9.07969	9.44022	0.77888
1	hcs128d06	?	?	0.2422	1.64247	9.88828	10.3088	0.747157
3	hcs128d06	?	?	0.114456	-2.6958	10.2004	10.7415	-1.45511
5	hcs128d06	?	?	0.654583	0.520533	10.2166	10.0841	1.09626
7	hcs128d06	?	?	0.286386	1.44061	9.87626	9.76889	1.07726
1	hcs128d07	?	?	0.157415	-2.21255	9.88034	9.6578	1.16679
5	hcs128d07	?	?	0.417532	1.01339	9.7914	9.50061	1.22331
1	hcs128d08	?	?	0.483738	-0.852497	9.96214	9.89099	1.05055
3	hcs128d08	?	?	0.435432	-0.967328	9.97432	10.3495	-1.29702
5	hcs128d08	?	?	0.0107355	9.57346	9.96735	9.69871	1.20467
7	hcs128d08	?	?	0.265933	1.52873	9.7633	9.53968	1.16766
1	hcs128d09			0.774909	-0.326711	9.48427	9.45825	1.0182
3	hcs128d09			0.0558794	-4.05093	9.37745	9.81854	-1.35763
5	hcs128d09			0.714318	-0.421585	9.30424	9.4046	-1.07204



5	hcs128e01	55102	ATG2B	0.9816	0.0260267	10.3611	10.3504	1.00745
1	hcs128e02	9406	ZRANB2	0.97578	0.0342621	10.5755	10.586	0.992771
3	hcs128e02	9406	ZRANB2	0.311081	1.34413	10.8722	10.7145	1.11551
5	hcs128e02	9406	ZRANB2	0.657863	0.51493	10.9392	10.8638	1.05365
7	hcs128e02	9406	ZRANB2	0.263277	-1.5408	10.1436	10.4555	-1.24135
5	hcs128e03	?	?	0.686731	-0.466511	10.7809	11.0175	-1.17815
1	hcs128e04	218	ALDH3A1	0.73587	0.387289	11.5174	11.6052	0.940957
3	hcs128e04	218	ALDH3A1	0.650759	0.527091	11.5683	11.4592	1.07861
5	hcs128e04	218	ALDH3A1	0.0878034	3.14834	12.2353	11.9419	1.22555
7	hcs128e04	218	ALDH3A1	0.44451	0.944749	11.6706	11.489	1.13411
1	hcs128e07	113026	PLCD3	0.125995	2.5437	9.48282	9.81557	0.794022
3	hcs128e07	113026	PLCD3	0.0439956	-4.60877	10.0004	10.3263	-1.25341
5	hcs128e07	113026	PLCD3	0.558355	0.696152	10.121	9.91663	1.15221
7	hcs128e07	113026	PLCD3	0.217041	1.77997	9.95818	9.83222	1.09124
3	hcs128e09	10026	PIGK	0.107839	2.79313	10.756	10.4186	1.26355
5	hcs128e09	10026	PIGK	0.60353	-0.610745	9.71575	9.92823	-1.15867
1	hcs128f02	960	CD44	0.550364	-0.711904	9.61398	9.40189	1.15837
3	hcs128f02	960	CD44	0.376869	1.12674	10.0253	9.69822	1.25443
5	hcs128f02	960	CD44	0.0398208	4.86031	10.1105	9.40874	1.62651
7	hcs128f02	960	CD44	0.0536403	4.14204	9.92532	9.23574	1.61281
1	hcs128f12	373	TRIM23	0.0611315	3.85668	9.75081	10.0914	0.78972
3	hcs128f12	373	TRIM23	0.0898337	-3.10728	9.66228	9.96963	-1.23743
5	hcs128f12	373	TRIM23	0.505781	-0.803982	9.47777	9.65024	-1.12699
5	hcs128g02	?	?	0.567706	-0.67798	10.4978	10.9534	-1.37137
1	hcs128g05	374655	ZNF710	0.96568	0.0485645	10.8689	10.874	0.996471
3	hcs128g05	374655	ZNF710	0.15652	2.22068	11.118	10.9102	1.15498
5	hcs128g05	374655	ZNF710	0.239973	1.65388	11.4443	11.116	1.25548
7	hcs128g05	374655	ZNF710	0.266229	-1.5274	10.2132	10.5328	-1.24795
3	hcs128g06	79607	FAM118B	0.189108	1.95964	10.3843	10.0882	1.22782
5	hcs128g06	79607	FAM118B	0.390879	1.08618	10.1012	9.87192	1.17224
5	hcs128g07	90019	SYT8	0.462284	0.901935	11.0143	10.7549	1.19692
7	hcs128g07	90019	SYT8	0.144411	-2.33743	9.89847	10.0696	-1.12596
1	hcs128g08	663	BNIP2	0.491572	-0.835005	10.8607	10.5972	1.20042
3	hcs128g08	663	BNIP2	0.103929	2.8547	11.5915	11.0781	1.42747
5	hcs128g08	663	BNIP2	0.515965	-0.782275	10.5072	10.7329	-1.16941
7	hcs128g08	663	BNIP2	0.0212379	-6.75211	10.0034	10.6636	-1.58036
1	hcs128g11	54757	FAM20A	0.915053	-0.12057	10.0734	10.066	1.00518
3	hcs128g11	54757	FAM20A	0.477896	0.865732	10.2216	10.1045	1.08455
5	hcs128g11	54757	FAM20A	0.0479345	4.4016	10.5317	9.83427	1.62158
1	hcs128h03	57476	GRAMD1B	0.776593	0.324138	9.93303	9.97922	0.968488
3	hcs128h03	57476	GRAMD1B	0.0440928	4.60334	10.6891	9.94614	1.67364
5	hcs128h03	57476	GRAMD1B	0.683486	0.47188	10.1374	10.0022	1.09818
7	hcs128h03	57476	GRAMD1B	0.57512	-0.663762	9.8692	10.1688	-1.23083
1	hcs129a01	?	?	0.725201	0.404184	10.087	10.1562	0.953135
3	hcs129a01	?	?	0.758424	0.352068	9.98662	9.85138	1.09827
5	hcs129a01	?	?	0.0928935	3.04785	10.361	9.8682	1.40717
7	hcs129a01	?	?	0.234972	1.68	9.87745	9.58314	1.2263

5	hcs129a03	8546	AP3B1	0.963714	-0.0513493	10.3121	10.3299	-1.01239
1	hcs129a09	94025	MUC16	0.184083	1.99575	9.78294	9.83781	0.962679
3	hcs129a09	94025	MUC16	0.840884	-0.227928	10.0724	10.1047	-1.02264
5	hcs129a09	94025	MUC16	0.511213	0.792352	10.0847	9.87658	1.15515
7	hcs129a09	94025	MUC16	0.51705	0.779987	9.61893	9.45219	1.12252
3	hcs129a11	59342	SCPEP1	0.27648	-1.48226	9.59452	9.72819	-1.09708
5	hcs129a11	59342	SCPEP1	0.470462	0.882816	9.32912	9.29634	1.02298
5	hcs129b01	10771	ZMYND11	0.827344	-0.247895	10.6389	10.8335	-1.14438
3	hcs129b02	55333	SYNJ2BP	0.567006	0.67933	10.5751	10.3026	1.20792
5	hcs129b02	55333	SYNJ2BP	0.472522	-0.878054	10.2371	10.7659	-1.44269
1	hcs129b03	29841	GRHL1	0.811071	-0.272086	9.71015	9.67235	1.02655
3	hcs129b03	29841	GRHL1	0.177424	2.0457	11.0399	10.6877	1.27654
5	hcs129b03	29841	GRHL1	0.750816	-0.363877	10.6648	10.7504	-1.06119
7	hcs129b03	29841	GRHL1	0.125411	-2.55093	9.5921	9.75799	-1.12186
3	hcs129b04	10451	VAV3	0.409061	1.03594	10.4739	9.56379	1.87918
5	hcs129b04	10451	VAV3	0.497361	-0.822259	9.78362	10.3398	-1.4704
5	hcs129b07	11176	BAZ2A	0.0147692	8.13708	10.6484	10.0234	1.54225
5	hcs129b08			0.336768	1.25325	10.3893	10.1408	1.18802
5	hcs129b11	6647	SOD1	0.908194	0.130383	9.9018	9.84874	1.03746
1	hcs129b12	55660	PRPF40A	0.30431	-1.36962	10.2416	9.46456	1.71361
5	hcs129b12	55660	PRPF40A	0.514208	-0.785989	9.46439	9.52848	-1.04543
1	hcs129c01	57380	MRS2	0.0477761	-4.40945	9.57781	9.29674	1.21509
5	hcs129c01	57380	MRS2	0.917259	-0.117416	9.71284	9.76612	-1.03762
1	hcs129c02	6400	SEL1L	0.386255	-1.09938	9.54552	9.46743	1.05562
3	hcs129c02	6400	SEL1L	0.733515	0.391005	9.83436	9.81768	1.01163
5	hcs129c02	6400	SEL1L	0.905985	0.133548	9.70762	9.68533	1.01557
1	hcs129c08	3850	KRT3	0.752322	0.361533	9.68512	9.77157	0.941837
3	hcs129c08	3850	KRT3	0.850068	0.21446	10.4493	10.3776	1.05098
5	hcs129c08	3850	KRT3	0.0303335	5.61021	10.4647	9.89114	1.48819
7	hcs129c08	3850	KRT3	0.0550081	4.08574	10.0321	9.60945	1.34037
3	hcs129d02			0.0673284	3.6565	10.8264	10.3554	1.38605
5	hcs129d02			0.45277	-0.924632	10.4462	10.9171	-1.386
5	hcs129d03			0.946647	-0.0755598	10.746	10.8007	-1.0386
5	hcs129d08	54790	TET2	0.970107	-0.0422945	10.7324	10.7594	-1.01889
5	hcs129d09	3717	JAK2	0.112282	2.72688	11.1086	10.5427	1.48033
1	hcs129e02	56704	JPH1	0.390793	1.08643	11.4043	11.6938	0.818205
3	hcs129e02	56704	JPH1	0.228371	-1.7156	11.1883	11.4029	-1.16038
5	hcs129e02	56704	JPH1	0.292633	-1.41525	11.5791	11.7433	-1.12052
7	hcs129e02	56704	JPH1	0.476053	-0.869941	11.24	11.5687	-1.25585
5	hcs129e04	4597	MVD	0.105963	2.82227	10.7626	10.4642	1.22978
3	hcs129e06	55707	NECAP2	0.103089	2.86837	10.3921	10.022	1.29247
5	hcs129e06	55707	NECAP2	0.0047881	14.3996	10.0427	9.66211	1.30184
1	hcs129e09	55267	C22orf26	0.33478	1.25998	9.74565	10.453	0.612438
3	hcs129e09	55267	C22orf26	0.91747	-0.117115	10.4067	10.4691	-1.04426
5	hcs129e09	55267	C22orf26	0.584703	0.645629	10.3152	10.0853	1.17273
7	hcs129e09	55267	C22orf26	0.252779	-1.59008	9.91269	10.3171	-1.32351
1	hcs129e11	3091	HIF1A	0.575236	-0.663541	10.0921	9.99824	1.06722

3	hcs129e11	3091	HIF1A	0.143949	-2.34215	10.2809	10.3896	-1.07829
5	hcs129e11	3091	HIF1A	0.551248	-0.710152	10.0418	10.0685	-1.01863
7	hcs129e11	3091	HIF1A	0.801765	-0.286023	9.61748	9.67661	-1.04183
1	hcs129f01	9781	RNF144A	0.850019	-0.214531	9.92767	9.89926	1.01989
3	hcs129f01	9781	RNF144A	0.729409	0.397503	10.4076	10.2677	1.1018
5	hcs129f01	9781	RNF144A	0.894308	-0.150313	10.4971	10.5529	-1.03941
1	hcs129f04	?	?	0.365792	-1.16005	9.80757	9.58016	1.17073
3	hcs129f04	?	?	0.736238	-0.38671	10.3125	10.328	-1.01083
5	hcs129f04	?	?	0.626868	0.568766	10.537	10.4192	1.08511
3	hcs129f05	23405	DICER1	0.81436	-0.267178	10.5847	10.7093	-1.09025
5	hcs129f05	23405	DICER1	0.637998	-0.549196	10.5788	10.8382	-1.19692
1	hcs129f10	7416	VDAC1	0.766926	0.338951	10.6874	10.7284	0.971981
3	hcs129f10	7416	VDAC1	0.407506	1.04014	11.1533	10.9717	1.1342
5	hcs129f10	7416	VDAC1	0.899068	-0.143472	10.7383	10.7615	-1.01621
7	hcs129f10	7416	VDAC1	0.0098310	-10.011	10.1114	10.7121	-1.51643
5	hcs129f12	3673	ITGA2	0.900503	0.141411	9.95235	9.89957	1.03726
1	hcs129g07	54476	RNF216	0.974028	-0.0367418	9.66615	9.66009	1.00421
3	hcs129g07	54476	RNF216	0.374393	1.13408	11.0069	10.7002	1.23686
5	hcs129g07	54476	RNF216	0.316251	-1.32513	9.71396	10.0597	-1.2708
5	hcs129g08	5925	RB1	0.706338	-0.434456	9.97124	10.2914	-1.24843
5	hcs129h01			0.75847	0.351997	10.088	10.009	1.05631
5	hcs129h02	54801	HAUS6	0.386654	1.09824	11.2032	10.8149	1.30882
1	hcs129h03	?	?	0.407426	1.04036	10.2322	10.3935	0.894202
3	hcs129h03	?	?	0.315945	1.32624	10.891	10.5721	1.24735
5	hcs129h03	?	?	0.871325	-0.183499	10.7613	10.8331	-1.05108
7	hcs129h03	?	?	0.136684	-2.41926	9.93417	10.4209	-1.40126
1	hcs129h05	160418	TMTC3	0.289638	-1.42732	10.6851	10.3829	1.23303
3	hcs129h05	160418	TMTC3	0.496149	0.824915	11.1339	10.9587	1.12912
5	hcs129h05	160418	TMTC3	0.0404935	4.81723	10.7095	10.4583	1.1902
7	hcs129h05	160418	TMTC3	0.913871	0.122259	10.2739	10.2576	1.01141
3	hcs129h06			0.981438	0.0262549	10.656	10.6451	1.00758
5	hcs129h06			0.809227	-0.274842	10.6011	10.6568	-1.03936
5	hcs129h07	93517	SDR42E1	0.261527	1.54884	10.0084	9.81397	1.14425
3	hcs129h08	?	?	0.557614	0.697604	9.97698	9.88619	1.06495
5	hcs129h08	?	?	0.656715	-0.516889	9.30588	9.33729	-1.02202
5	hcs129h10	8027	STAM	0.66335	0.505607	10.2816	10.1874	1.06746
5	hcs129h11	?	?	0.331777	-1.27024	9.571	9.82642	-1.19368
3	hcs130a03	55577	NAGK	0.482141	0.856098	9.82371	9.6449	1.13194
5	hcs130a03	55577	NAGK	0.857715	0.203289	10.1492	10.0699	1.05647
5	hcs130a05	80270	HSD3B7	0.554499	-0.703727	9.81934	9.94303	-1.08952
3	hcs130a06	85477	SCIN	0.791051	-0.302168	9.58869	9.66033	-1.05091
5	hcs130a06	85477	SCIN	0.984447	0.0219974	9.85213	9.84353	1.00598
5	hcs130a07	8796	SCEL	0.171725	2.09051	9.99141	9.51974	1.38672
5	hcs130a11	?	?	0.990904	0.0128643	9.1404	9.13959	1.00056
3	hcs130b01	25983	NGDN	0.110647	2.75083	9.80698	9.70836	1.07075
5	hcs130b01	25983	NGDN	0.698277	0.447559	10.0976	9.80942	1.22109
3	hcs130b03	818	CAMK2G	0.948366	0.0731186	10.1281	10.1089	1.0134

5	hcs130b03	818	CAMK2G	0.89703	0.1464	10.2436	10.2294	1.00992
3	hcs130b04	64755	C16orf58	0.408736	1.03682	10.8815	10.4443	1.35397
5	hcs130b04	64755	C16orf58	0.489381	-0.839867	10.6373	11.1189	-1.39633
3	hcs130b05	5724	PTAFR	0.0407933	4.79836	13.9824	13.7773	1.15277
5	hcs130b05	5724	PTAFR	0.271103	1.50567	14.1438	13.701	1.35924
7	hcs130b05	5724	PTAFR	0.0148499	8.11444	13.9091	13.5285	1.30191
5	hcs130b09	11081	KERA	0.0585596	3.94863	10.0806	9.90608	1.1286
5	hcs130c03	51538	ZCCHC17	0.937463	-0.0886135	9.86718	9.87503	-1.00546
1	hcs130c04			0.981322	0.0264186	9.84262	9.84791	0.996337
3	hcs130c04			0.603973	-0.609937	10.0974	10.2016	-1.07495
5	hcs130c05	285966	FAM115C	0.181771	-2.01281	9.51193	10.2619	-1.68179
1	hcs130c06	90407	TMEM41A	0.724293	0.40563	10.5632	10.7025	0.907934
3	hcs130c06	90407	TMEM41A	0.14197	2.36261	11.3182	11.1151	1.15114
5	hcs130c06	90407	TMEM41A	0.045258	4.53951	11.1903	10.9564	1.17598
7	hcs130c06	90407	TMEM41A	0.139356	-2.39025	10.6467	10.8721	-1.1691
1	hcs130c11	9875	URB1	0.438694	-0.959157	13.7475	13.405	1.26795
3	hcs130c11	9875	URB1	0.290083	1.42552	13.5232	12.9524	1.48528
5	hcs130c11	9875	URB1	0.136453	2.4218	14.0491	13.1312	1.88941
7	hcs130c11	9875	URB1	0.0690985	3.60416	13.9154	13.0594	1.80997
5	hcs130d01	114569	MAL2	0.973432	0.0375861	10.5762	10.5619	1.00995
7	hcs130d01	114569	MAL2	0.275049	-1.48843	9.22269	10.1778	-1.93872
1	hcs130d02	?	?	0.818808	-0.260557	10.751	10.7204	1.02147
3	hcs130d02	?	?	0.0844989	-3.21816	10.6483	10.8847	-1.17798
5	hcs130d02	?	?	0.919453	-0.114282	10.27	10.2942	-1.01689
7	hcs130d02	?	?	0.210823	-1.8172	9.83549	10.0017	-1.12212
5	hcs130d03	10636	RGS14	0.337422	1.25105	11.2878	11.1561	1.09563
1	hcs130d04	?	?	0.396818	1.06949	10.8586	10.9545	0.935665
3	hcs130d04	?	?	0.111736	2.73483	11.0849	10.8279	1.19499
5	hcs130d04	?	?	0.927318	-0.10306	10.9006	10.9099	-1.00651
7	hcs130d04	?	?	0.681157	-0.475742	10.5011	10.5629	-1.04372
1	hcs130d05	3619	INCENP	0.444198	-0.945517	10.1023	9.87393	1.17151
3	hcs130d05	3619	INCENP	0.634404	0.555485	10.5023	10.3602	1.10354
5	hcs130d05	3619	INCENP	0.116331	2.66965	10.2101	10.0121	1.1471
7	hcs130d05	3619	INCENP	0.241702	-1.64501	9.52773	10.2046	-1.59865
5	hcs130d07	134553	C5orf24	0.94523	0.0775734	10.7291	10.6789	1.03541
1	hcs130d09	8669	EIF3J	0.180461	-2.02261	10.9327	10.7114	1.16578
3	hcs130d09	8669	EIF3J	0.13653	2.42096	11.1073	10.8229	1.2179
5	hcs130d09	8669	EIF3J	0.548719	0.715173	10.7482	10.6562	1.06585
7	hcs130d09	8669	EIF3J	0.439723	-0.956592	10.3795	10.4903	-1.07983
1	hcs130e01	27125	AFF4	0.159721	2.19187	12.2329	12.9776	0.596778
3	hcs130e01	27125	AFF4	0.183574	-1.99948	10.8457	12.2771	-2.69708
5	hcs130e01	27125	AFF4	0.0159579	-7.82105	10.9849	13.2214	-4.71228
7	hcs130e01	27125	AFF4	0.024146	-6.3183	10.4846	12.853	-5.16341
1	hcs130e06	3845	KRAS	0.486643	-0.845977	10.0256	9.75594	1.20552
3	hcs130e06	3845	KRAS	0.575137	0.66373	10.5494	10.3257	1.16779
5	hcs130e06	3845	KRAS	0.859803	0.200246	10.6362	10.6145	1.01521
1	hcs130e08	55201	MAP1S	0.993378	-0.0093646	9.78184	9.7806	1.00086

3	hcs130e08	55201	MAP1S	0.366885	-1.15671	9.8822	10.0556	-1.12771
5	hcs130e08	55201	MAP1S	0.460406	0.906376	9.83232	9.617	1.16096
3	hcs130f02	285464	CRIPAK	0.698678	0.446904	10.1218	9.99742	1.09003
5	hcs130f02	285464	CRIPAK	0.59262	0.630842	10.3973	10.229	1.12374
1	hcs130f03	90271	NCRNA002	0.174087	-2.0717	9.91159	9.59871	1.24218
3	hcs130f03	90271	NCRNA002	0.7015	-0.442308	9.9847	10.0626	-1.05546
5	hcs130f03	90271	NCRNA002	0.0670803	-3.66399	10.0509	10.4131	-1.28536
5	hcs130f04	7172	TPMT	0.710739	-0.427346	10.7099	11.0001	-1.22287
7	hcs130f05	?	?	0.137867	2.40633	9.95604	9.80735	1.10857
3	hcs130f07	4121	MAN1A1	0.504017	0.807784	10.965	10.7119	1.1918
5	hcs130f07	4121	MAN1A1	0.846229	0.220082	10.8468	10.7068	1.10196
7	hcs130f07	4121	MAN1A1	0.390686	-1.08673	9.23567	10.4006	-2.24216
5	hcs130g04	244	ANXA8L2	0.0708645	-3.55384	9.17558	9.49091	-1.24429
3	hcs130g07	399761	BMS1P5	0.0492416	4.33828	10.2967	9.72468	1.48658
5	hcs130g07	399761	BMS1P5	0.535955	-0.740857	9.4794	9.61673	-1.09987
1	hcs130g11	285855	RPL7L1	0.26535	-1.53137	10.0958	9.91495	1.13355
3	hcs130g11	285855	RPL7L1	0.700838	-0.443385	10.0385	10.1722	-1.09717
5	hcs130g11	285855	RPL7L1	0.638373	0.548542	9.97745	9.903	1.05296
7	hcs130g11	285855	RPL7L1	0.43546	-0.967257	9.68371	9.90789	-1.16812
5	hcs130h01			0.94863	-0.0727441	9.98035	10.0069	-1.01856
3	hcs130h03	7286	TUFT1	0.473224	0.876436	10.8494	10.7302	1.08617
5	hcs130h03	7286	TUFT1	0.48491	-0.849862	10.6384	10.9413	-1.23358
7	hcs130h03	7286	TUFT1	0.0361505	-5.11579	9.69381	10.2214	-1.44156
3	hcs130h04			0.185762	1.98354	10.7964	10.5811	1.16091
5	hcs130h04			0.838099	-0.232023	10.9524	11.0862	-1.09718
5	hcs130h05	55286	C4orf19	0.788531	0.305982	10.2415	10.2011	1.02843
5	hcs130h06	8202	NCOA3	0.300349	1.38485	10.2087	10.002	1.15406
1	hcs130h09	85379	KIAA1671	0.224779	-1.73555	9.68152	9.49347	1.13923
3	hcs130h09	85379	KIAA1671	0.360552	1.17622	10.2755	9.97363	1.23276
5	hcs130h09	85379	KIAA1671	0.0328811	5.37782	9.86752	9.40867	1.37444
5	hcs131a02	?	?	0.684006	-0.471017	10.3411	10.7198	-1.30019
1	hcs131a04	219988	PATL1	0.679445	-0.478589	9.92789	9.78943	1.10073
3	hcs131a04	219988	PATL1	0.22433	1.73807	10.4695	10.1766	1.22507
5	hcs131a04	219988	PATL1	0.274963	1.48881	10.4877	9.98094	1.42089
7	hcs131a04	219988	PATL1	0.644534	0.53783	9.96734	9.8195	1.10791
3	hcs131a05	9724	UTP14C	0.161369	2.17735	10.3698	9.87182	1.41223
3	hcs131a06	92421	CHMP4C	0.546481	0.719636	10.2054	10.0046	1.14934
5	hcs131a06	92421	CHMP4C	0.708094	0.431616	10.4713	10.4008	1.0501
5	hcs131a07	1604	CD55	0.545652	0.721293	10.7806	10.6003	1.13313
5	hcs131a08	4810	NHS	0.938315	0.0874025	10.5718	10.5118	1.04244
3	hcs131a10	90678	LRSAM1	0.870184	-0.185155	10.3204	10.3752	-1.03871
1	hcs131a11	3861	KRT14	0.775489	-0.325824	9.49555	9.45389	1.0293
3	hcs131a11	3861	KRT14	0.87625	-0.176365	9.7272	9.75051	-1.01629
5	hcs131a11	3861	KRT14	0.157156	2.21489	9.60315	9.35745	1.18567
5	hcs131a12	1434	CSE1L	0.916889	-0.117945	9.81392	9.83868	-1.01731
7	hcs131b04	56951	C5orf15	0.0155564	-7.92377	9.75242	10.4604	-1.63347
3	hcs131b11	84299	C17orf37	0.339133	1.24531	9.5694	9.39521	1.12833

5	hcs131b11	84299	C17orf37	0.207547	1.83741	9.40719	9.2216	1.13728
3	hcs131c01	130271	PLEKHH2	0.337881	1.24951	10.153	9.61665	1.45025
5	hcs131c01	130271	PLEKHH2	0.981708	-0.0258731	10.1631	10.1694	-1.00437
1	hcs131c02	8000	PSCA	0.909961	0.127854	11.0514	11.069	0.987897
3	hcs131c02	8000	PSCA	0.644051	0.538668	11.5263	11.4226	1.07455
5	hcs131c02	8000	PSCA	0.0125479	-8.84296	11.374	11.6599	-1.2192
7	hcs131c02	8000	PSCA	0.223092	-1.74506	10.5293	10.8998	-1.29274
5	hcs131c03	121227	LRIG3	0.637164	-0.550653	10.7355	11.1239	-1.30896
1	hcs131c05			0.873769	0.179957	10.4365	10.4814	0.969328
3	hcs131c05			0.362999	1.16863	11.0317	10.7513	1.21453
5	hcs131c05			0.68121	0.475654	10.6416	10.5871	1.03848
7	hcs131c05			0.0541049	-4.12268	9.81456	10.4949	-1.60248
3	hcs131c06	?	?	0.435679	-0.966708	9.83696	10.223	-1.30677
1	hcs131c08	317	APAF1	0.288484	1.43202	10.9593	11.1217	0.893558
3	hcs131c08	317	APAF1	0.858621	0.201969	11.0105	10.9869	1.0165
5	hcs131c08	317	APAF1	0.531608	-0.749735	10.7428	11.0148	-1.20742
7	hcs131c08	317	APAF1	0.0164212	-7.7072	9.8959	10.9801	-2.12015
1	hcs131c10	64786	TBC1D15	0.771156	-0.332457	11.5686	11.515	1.03788
3	hcs131c10	64786	TBC1D15	0.40989	1.03372	11.4701	11.3073	1.11951
5	hcs131c10	64786	TBC1D15	0.621822	-0.57773	11.412	11.49	-1.0556
7	hcs131c10	64786	TBC1D15	0.202917	-1.8667	10.8391	11.137	-1.22933
3	hcs131c11	50626	CYHR1	0.244209	-1.6323	9.78872	9.97683	-1.13927
5	hcs131c11	50626	CYHR1	0.428688	0.984433	9.54619	9.45827	1.06284
7	hcs131c11	50626	CYHR1	0.692646	-0.456774	9.46019	9.58086	-1.08724
1	hcs131c12	?	?	0.247512	-1.6158	9.75696	9.69133	1.04654
5	hcs131c12	?	?	0.325739	-1.29121	9.58976	9.85483	-1.2017
1	hcs131d01	79077	DCTPP1	0.352273	-1.20233	9.97168	9.77147	1.14887
3	hcs131d01	79077	DCTPP1	0.28414	-1.44989	9.8827	10.0734	-1.1413
5	hcs131d01	79077	DCTPP1	0.021018	-6.78849	9.85842	10.2693	-1.32951
3	hcs131d03	2776	GNAQ	0.218016	1.77426	10.335	9.56219	1.70855
5	hcs131d03	2776	GNAQ	0.348315	1.21508	10.0447	9.88511	1.11699
1	hcs131d05	57185	NIPAL3	0.279748	1.46832	9.90197	10.2345	0.79417
3	hcs131d05	57185	NIPAL3	0.135697	-2.43018	9.67571	10.0688	-1.31322
5	hcs131d05	57185	NIPAL3	0.345497	1.22425	10.1422	9.84586	1.22799
7	hcs131d05	57185	NIPAL3	0.238632	-1.66081	9.6993	9.90709	-1.15491
1	hcs131d10	26225	ARL5A	0.73577	-0.387448	9.54783	9.4525	1.06831
5	hcs131d10	26225	ARL5A	0.416821	-1.01526	9.11226	9.21544	-1.07414
3	hcs131e03	?	?	0.956609	0.0614224	10.4739	10.457	1.01177
5	hcs131e03	?	?	0.868615	0.187431	10.444	10.3421	1.07316
1	hcs131e07	10053	AP1M2	0.0726529	-3.5047	10.0044	9.46658	1.45178
3	hcs131e07	10053	AP1M2	0.187472	1.97125	10.861	10.329	1.44593
5	hcs131e07	10053	AP1M2	0.282123	1.45831	10.3159	10.0912	1.1686
1	hcs131f02	?	?	0.462844	-0.900615	9.51599	9.38026	1.09865
3	hcs131f02	?	?	0.694928	-0.453034	10.0534	10.1233	-1.04967
5	hcs131f02	?	?	0.391253	-1.08512	10.1359	10.2663	-1.09461
1	hcs131f03	10899	JTB	0.0391162	-4.90661	10.1452	9.77511	1.29244
3	hcs131f03	10899	JTB	0.995493	-0.0063738	10.0044	10.0066	-1.00152

5	hcs131f03	10899	JTB	0.077177	3.38782	10.0566	9.66181	1.31477
3	hcs131f04	80018	NAA25	0.883947	-0.16524	10.1984	10.2354	-1.02604
1	hcs131f06	55041	PLEKHB2	0.510803	-0.793225	9.95836	9.86084	1.06993
3	hcs131f06	55041	PLEKHB2	0.792267	0.30033	9.96644	9.92748	1.02737
5	hcs131f06	55041	PLEKHB2	0.0391157	4.90664	9.98653	9.71663	1.20572
7	hcs131f06	55041	PLEKHB2	0.515031	0.784248	9.7703	9.7509	1.01354
5	hcs131f11	8452	CUL3	0.929516	-0.0999282	9.50234	9.53306	-1.02153
3	hcs131g02	6713	SQLE	0.0329235	5.37418	10.8315	9.73193	2.14295
5	hcs131g02	6713	SQLE	0.117183	2.65796	10.8222	10.0092	1.7569
7	hcs131g02	6713	SQLE	0.754613	0.357974	9.82989	9.70872	1.08761
5	hcs131g03	93627	TBCK	0.823037	0.254277	11.6366	11.5009	1.09856
5	hcs131g04	1828	DSG1	0.817211	-0.262932	10.8473	11.0371	-1.14056
5	hcs131g05	8802	SUCLG1	0.461136	-0.904647	10.7967	11.221	-1.3419
1	hcs131g06	1947	EFNB1	0.219767	1.76408	9.71702	9.99838	0.822817
3	hcs131g06	1947	EFNB1	0.909628	0.12833	10.7525	10.7003	1.03684
5	hcs131g06	1947	EFNB1	0.22526	1.73285	10.6372	10.4991	1.10042
5	hcs131g08	219699	UNC5B	0.644321	0.538199	10.3343	10.1789	1.11377
1	hcs131g09	7375	USP4	0.0551435	-4.08028	11.1077	10.3961	1.63764
3	hcs131h04	57532	NUFIP2	0.196689	-1.90754	10.0184	10.4425	-1.34165
1	hcs131h06	1026	CDKN1A	0.987234	-0.0180549	11.9506	11.9415	1.00635
3	hcs131h06	1026	CDKN1A	0.855797	-0.206088	12.5595	12.6198	-1.04266
5	hcs131h06	1026	CDKN1A	0.967479	-0.0460156	12.4077	12.4274	-1.01377
7	hcs131h06	1026	CDKN1A	0.381714	-1.11252	11.3214	11.7333	-1.3305
1	hcs131h10	375775	PNPLA7	0.565337	-0.682558	9.38235	9.30242	1.05696
5	hcs131h10	375775	PNPLA7	0.457251	-0.91388	9.12223	9.28479	-1.11927
5	hcs132a02			0.422471	-1.00046	10.4211	10.8	-1.3003
5	hcs132a08	143662	MUC15	0.052054	4.21001	10.7509	10.1771	1.48841
3	hcs132c03	9692	KIAA0391	0.930136	0.099045	10.1217	10.107	1.01024
5	hcs132c03	9692	KIAA0391	0.358533	-1.18252	9.97025	10.0989	-1.09329
3	hcs132c04	51361	HOOK1	0.0351931	5.1888	10.3239	10.0456	1.21278
5	hcs132c04	51361	HOOK1	0.852638	0.210702	10.421	10.3696	1.0363
5	hcs132c05			0.734139	-0.390021	10.6725	10.8705	-1.14712
5	hcs132d10	8540	AGPS	0.565537	-0.68217	10.0425	10.244	-1.14993
5	hcs132d11	10597	TRAPPC2P10	0.0279963	-5.85031	9.32899	9.61219	-1.21689
5	hcs132e04	6715	SRD5A1	0.56979	-0.673966	10.1866	10.3711	-1.13644
5	hcs132e05			0.599181	-0.618719	10.3215	10.7119	-1.3107
3	hcs132e06	5431	POLR2B	0.775705	0.325495	10.5332	10.4304	1.07389
3	hcs132f02	7268	TTC4	0.328532	-1.28145	9.27315	9.38252	-1.07876
3	hcs132f03	56255	TMX4	0.642058	-0.542126	9.77002	9.97436	-1.15216
5	hcs132f04	81611	ANP32E	0.355173	-1.1931	10.2597	10.7102	-1.3665
3	hcs132f09	?	?	0.410661	-1.03164	9.79263	9.91005	-1.08479
5	hcs132f09	?	?	0.21526	1.79049	9.64175	9.4749	1.1226
3	hcs132g01	9678	PHF14	0.18147	2.01506	10.5903	10.0187	1.48623
5	hcs132g01	9678	PHF14	0.888104	-0.159245	10.1184	10.1791	-1.043
3	hcs132g03	54970	TTC12	0.0667643	3.6736	10.4601	10.0762	1.30488
5	hcs132g03	54970	TTC12	0.439189	0.957923	10.7663	10.6069	1.11679
1	hcs132g05	27090	ST6GALNA6	0.486163	0.847052	12.6059	12.7259	0.920188

3	hcs132g05	27090	ST6GALNA	0.806762	-0.278529	12.621	12.6503	-1.02052
5	hcs132g05	27090	ST6GALNA	0.226635	1.72519	13.2526	12.995	1.19549
7	hcs132g05	27090	ST6GALNA	0.0921193	-3.06262	12.483	12.807	-1.25183
1	hcs132g10	54566	EPB41L4B	0.78635	0.309287	9.5647	9.61313	0.96699
5	hcs132g10	54566	EPB41L4B	0.949589	0.0713832	10.5008	10.4779	1.016
1	hcs132g11	728492	SERF1B	0.520228	0.773313	11.7923	11.8537	0.958312
3	hcs132g11	728492	SERF1B	0.474058	0.874516	11.7706	11.6546	1.08378
5	hcs132g11	728492	SERF1B	0.0072421	11.6868	11.7592	11.6703	1.06358
7	hcs132g11	728492	SERF1B	0.0886211	-3.13164	11.083	11.422	-1.26485
5	hcs132h02	?	?	0.981854	-0.025667	9.1893	9.19221	-1.00202
5	hcs133b03	4214	MAP3K1	0.967804	0.0455556	10.8654	10.831	1.02416
3	hcs133b04	7818	DAP3	0.313855	-1.33389	10.1534	10.2842	-1.09488
5	hcs133b04	7818	DAP3	0.346695	1.22034	10.2498	10.0112	1.17981
3	hcs133b05	222166	C7orf41	0.664261	-0.504066	10.3455	10.5896	-1.18429
3	hcs133b08	1999	ELF3	0.376155	-1.12885	10.7123	11.6776	-1.95247
5	hcs133b08	1999	ELF3	0.423802	0.99701	11.1427	10.6355	1.42132
1	hcs133c01			0.71147	-0.426167	10.4351	10.3539	1.05787
5	hcs133c01			0.23052	1.70387	10.9539	10.63	1.25169
7	hcs133c01			0.570564	-0.672479	10.1113	10.2283	-1.08451
1	hcs133c11	55672	NBPF1	0.77583	-0.325304	10.0677	9.9369	1.0949
3	hcs133c11	55672	NBPF1	0.776213	-0.324719	9.96344	10.0901	-1.09178
5	hcs133c11	55672	NBPF1	0.988017	-0.0169476	10.0937	10.0983	-1.0032
1	hcs133c12	100130899	LOC100130	0.988355	0.0164691	10.0116	10.0167	0.996446
3	hcs133c12	100130899	LOC100130	0.850863	-0.213297	10.1098	10.1505	-1.02862
5	hcs133c12	100130899	LOC100130	0.562352	0.68835	10.1576	9.98416	1.12777
7	hcs133c12	100130899	LOC100130	0.60657	0.6052	9.92719	9.76949	1.1155
3	hcs133d05			0.560617	-0.69173	10.429	10.5811	-1.11114
5	hcs133d05			0.576943	-0.660292	10.5457	10.8247	-1.21335
5	hcs133d06	1607	DGKB	0.151316	2.26928	10.7506	10.6995	1.0361
5	hcs133f07			0.73401	0.390225	10.8011	10.5698	1.17385
1	hcs133f09	113146	AHNAK2	0.353299	-1.19906	9.93996	9.63387	1.23635
3	hcs133f09	113146	AHNAK2	0.213749	1.7995	10.5947	10.1486	1.36237
5	hcs133f09	113146	AHNAK2	0.137151	2.41413	10.4916	9.77337	1.64512
7	hcs133f09	113146	AHNAK2	0.0377392	5.00073	10.2859	9.71235	1.48818
5	hcs133f10	127933	UHMK1	0.732068	-0.393292	10.5679	10.7698	-1.15017
5	hcs133g02			0.828314	-0.24646	9.93378	10.0256	-1.06573
1	hcs133g09	9643	MORF4L2	0.60114	0.615121	10.3317	10.3875	0.962072
3	hcs133g09	9643	MORF4L2	0.659727	0.511757	10.6182	10.5576	1.0429
5	hcs133g09	9643	MORF4L2	0.927859	0.10229	10.7407	10.7264	1.00994
7	hcs133g09	9643	MORF4L2	0.232825	-1.69143	9.84514	10.1855	-1.26604
3	hcs133h02	51592	TRIM33	0.382358	1.11065	10.4283	10.131	1.22885
5	hcs133h02	51592	TRIM33	0.583464	-0.647957	10.4653	10.7704	-1.23553
3	hcs133h03	360	AQP3	0.613608	0.592455	10.0961	9.8699	1.16973
5	hcs133h03	360	AQP3	0.207538	-1.83747	10.0484	10.2783	-1.17281
5	hcs133h05	55156	ARMC1	0.610487	-0.598092	10.7764	11.2886	-1.42616
5	hcs133h07	26043	UBXN7	0.436907	0.963625	10.3622	10.1481	1.15993
1	hcs133h08	54460	MRPS21	0.256868	-1.57058	9.82513	9.71226	1.08137



3	hcs133h08	54460	MRPS21	0.77735	0.322982	10.3162	10.2987	1.01224
5	hcs133h08	54460	MRPS21	0.192895	1.93327	9.94453	9.69264	1.19076
7	hcs133h08	54460	MRPS21	0.555536	-0.701684	9.42686	9.73258	-1.23604
5	hcs133h10	55556	ENOSF1	0.279285	-1.47028	9.92888	10.1589	-1.17283
1	hcs134a02	51107	APH1A	0.196678	-1.90761	10.0113	9.75134	1.19745
3	hcs134a02	51107	APH1A	0.201569	1.8754	10.1951	9.87846	1.2454
5	hcs134a02	51107	APH1A	0.100195	2.91666	10.0608	9.82293	1.17927
3	hcs134a07	9552	SPAG7	0.224204	1.73878	10.4402	9.95918	1.39573
5	hcs134a07	9552	SPAG7	0.675022	0.485966	9.88827	9.82234	1.04675
7	hcs134a07	9552	SPAG7	0.915463	-0.119983	9.51449	9.54383	-1.02055
1	hcs134b06	51228	GLTP	0.754344	-0.358392	9.65035	9.57087	1.05664
3	hcs134b06	51228	GLTP	0.00628301	-12.5563	9.76537	10.2114	-1.36231
5	hcs134b06	51228	GLTP	0.880861	0.169697	10.3174	10.2947	1.01588
5	hcs134c06	5987	TRIM27	0.66469	-0.503339	9.62286	9.73889	-1.08374
3	hcs134c11	3953	LEPR	0.577451	0.659327	9.64741	9.50745	1.10187
5	hcs134c11	3953	LEPR	0.130106	2.49416	9.44902	9.18804	1.19829
5	hcs134d02	1836	SLC26A2	0.714564	-0.421189	10.571	10.8643	-1.22542
3	hcs134d03	902	CCNH	0.203089	1.8656	11.1203	10.4001	1.64741
5	hcs134d03	902	CCNH	0.389016	1.09148	11.6375	11.3681	1.20523
1	hcs134d05	5380	PMS2L2	0.529894	0.753254	10.1068	10.2428	0.910049
3	hcs134d05	5380	PMS2L2	0.960305	0.0561811	10.6466	10.6212	1.0178
5	hcs134d05	5380	PMS2L2	0.437664	-0.96173	10.5853	10.8865	-1.23219
1	hcs134d12			0.821896	-0.25597	9.72883	9.70931	1.01362
5	hcs134e08	283106	CSNK2A1P	0.220162	1.7618	9.90998	9.70827	1.15006
1	hcs134e11	811	CALR	0.0291441	5.72885	10.6377	11.4561	0.56707
3	hcs134e11	811	CALR	0.843337	0.224324	11.2583	11.2129	1.03192
5	hcs134e11	811	CALR	0.0934669	3.03702	11.6813	11.3691	1.24163
7	hcs134e11	811	CALR	0.800519	0.287895	11.2152	11.1519	1.0448
5	hcs134f02	?	?	0.993063	0.00981051	10.6233	10.6168	1.0045
3	hcs134f03	79184	BRCC3	0.222883	1.74625	10.5274	9.90472	1.53975
5	hcs134f03	79184	BRCC3	0.359825	1.17848	10.8615	10.7015	1.11726
5	hcs134f08	?	?	0.481954	0.856521	10.3058	10.1632	1.10389
5	hcs134g04	4601	MXI1	0.943375	0.0802091	10.581	10.5567	1.01698
5	hcs134g05	55768	NGLY1	0.13872	-2.39709	10.8531	11.0827	-1.1725
5	hcs134h02	646588	LOC646588	0.953717	-0.0655242	11.0902	11.1224	-1.02256
5	hcs134h03			0.917155	-0.117565	10.8724	10.961	-1.06335
5	hcs134h09			0.64538	-0.536367	10.1465	10.335	-1.13959
3	hcs135a03	?	?	0.985847	0.0200167	10.4099	10.4055	1.00308
5	hcs135a03	?	?	0.360834	-1.17534	10.5883	10.9403	-1.27628
5	hcs135a04	56934	CA10	0.256371	-1.57293	9.8066	9.9544	-1.10788
1	hcs135a05	23221	RHOBTB2	0.347199	1.2187	11.7161	12.4123	0.61721
3	hcs135a05	23221	RHOBTB2	0.746425	-0.370727	12.0322	12.1653	-1.09662
5	hcs135a05	23221	RHOBTB2	0.24687	1.61899	12.4226	12.0268	1.31567
7	hcs135a05	23221	RHOBTB2	0.0360455	5.12366	12.4978	11.8802	1.53429
1	hcs135a09	?	?	0.26525	-1.53182	9.93212	9.57534	1.28056
3	hcs135a09	?	?	0.123909	2.56972	10.5761	10.1642	1.33043
5	hcs135a09	?	?	0.502745	-0.810537	9.96871	10.0688	-1.07187

1	hcs135a10	4967	OGDH	0.196554	1.90844	9.9819	10.1469	0.891912
5	hcs135a10	4967	OGDH	0.491004	-0.836263	9.80121	10.0057	-1.15229
7	hcs135a10	4967	OGDH	0.439028	-0.958324	9.53765	9.69881	-1.11819
1	hcs135a11	771	CA12	0.708799	-0.430476	11.5441	11.3839	1.11744
3	hcs135a11	771	CA12	0.152385	2.25911	11.9826	11.2944	1.61127
5	hcs135a11	771	CA12	0.0740074	3.46863	12.2573	11.2829	1.96482
7	hcs135a11	771	CA12	0.388041	1.09426	11.4911	10.9921	1.41323
1	hcs135a12	9470	EIF4E2	0.124644	2.56048	10.9723	11.1338	0.894075
3	hcs135a12	9470	EIF4E2	0.768944	-0.335851	10.8718	10.9271	-1.03908
5	hcs135a12	9470	EIF4E2	0.661638	0.508509	11.0474	10.9221	1.09073
7	hcs135a12	9470	EIF4E2	0.189417	-1.95746	10.1944	10.6802	-1.4004
5	hcs135b08	4791	NFKB2	0.845695	0.220866	9.51141	9.47768	1.02366
5	hcs135b12	?	?	0.246155	-1.62255	8.9639	9.17052	-1.15399
1	hcs135c07	?	?	0.175845	-2.05792	10.9872	10.7433	1.18421
3	hcs135c07	?	?	0.373307	1.13732	11.1386	10.9951	1.10458
5	hcs135c07	?	?	0.344055	-1.22898	10.8391	10.9661	-1.092
7	hcs135c07	?	?	0.26098	-1.55137	9.98282	10.2614	-1.213
3	hcs135c08	6601	SMARCC2	0.518854	0.776193	10.7698	10.5414	1.17161
5	hcs135c08	6601	SMARCC2	0.824247	0.252482	10.9881	10.9795	1.00595
7	hcs135c08	6601	SMARCC2	0.092816	-3.04932	9.39829	9.92862	-1.44426
5	hcs135d04	90826	PRMT10	0.656562	0.51715	9.47012	9.30251	1.12319
7	hcs135d04	90826	PRMT10	0.213643	-1.80014	9.27218	9.48248	-1.15693
1	hcs135d10	9736	USP34	0.826542	0.249083	9.62442	9.6901	0.955497
5	hcs135d10	9736	USP34	0.903966	-0.136444	9.57201	9.5879	-1.01108
1	hcs135e01	808	CALM3	0.414931	-1.02026	10.0685	9.92528	1.10436
5	hcs135e01	808	CALM3	0.315976	1.32613	10.2148	9.938	1.2115
1	hcs135e04	342372	PKD1L3	0.555592	-0.701576	10.3444	10.0795	1.20156
3	hcs135e04	342372	PKD1L3	0.464968	0.89562	10.8768	10.7001	1.13025
5	hcs135e04	342372	PKD1L3	0.297269	1.39687	11.2163	11.0534	1.11959
1	hcs135e08	?	?	0.899745	-0.1425	9.80358	9.74084	1.04445
3	hcs135e08	?	?	0.0647826	-3.73537	9.75679	10.3725	-1.53228
5	hcs135e08	?	?	0.284199	1.44965	10.2608	9.80786	1.36883
7	hcs135e08	?	?	0.824493	0.252118	9.89833	9.79917	1.07115
1	hcs135e09	?	?	0.214937	1.79241	10.6573	11.1324	0.7194
3	hcs135e09	?	?	0.165154	2.14475	11.5296	11.1049	1.34223
5	hcs135e09	?	?	0.216789	1.78145	11.7406	11.2075	1.44697
7	hcs135e09	?	?	0.214129	1.79723	11.4197	11	1.33762
1	hcs135f04	7430	EZR	0.359943	1.17811	11.2553	11.4167	0.894177
3	hcs135f04	7430	EZR	0.429323	0.98281	11.5774	11.2385	1.26482
5	hcs135f04	7430	EZR	0.0736586	3.47782	11.9857	11.4234	1.47669
7	hcs135f04	7430	EZR	0.348593	1.21417	11.5387	11.2547	1.21757
1	hcs135f11	?	?	0.917121	0.117613	9.47929	9.49653	0.988122
3	hcs135f11	?	?	0.215854	-1.78697	9.33952	9.64553	-1.23628
5	hcs135f11	?	?	0.115207	-2.68525	9.42125	9.60253	-1.13389
1	hcs135g03	6285	S100B	0.258297	-1.56386	10.1486	9.94702	1.14996
5	hcs135g03	6285	S100B	0.989042	0.0154974	10.3109	10.3091	1.00126
1	hcs135g06	56928	SPPL2B	0.274988	1.4887	9.68788	10.0334	0.787019

3	hcs135g06	56928	SPPL2B	0.27947	-1.4695	10.0004	10.3072	-1.23696
5	hcs135g06	56928	SPPL2B	0.425947	0.991471	10.2194	9.88661	1.25948
7	hcs135g06	56928	SPPL2B	0.765799	-0.340685	9.86593	9.92191	-1.03957
1	hcs135g09	1760	DMPK	0.210409	1.81974	10.076	10.3273	0.84011
3	hcs135g09	1760	DMPK	0.351269	-1.20555	10.2629	10.6464	-1.30446
5	hcs135g09	1760	DMPK	0.287761	1.43497	10.5848	10.2061	1.30016
7	hcs135g09	1760	DMPK	0.21448	1.79513	10.4371	10.1133	1.25157
1	hcs135h02	4174	MCM5	0.299587	1.38781	9.75763	9.92212	0.892246
3	hcs135h02	4174	MCM5	0.845	-0.221885	9.88594	9.97866	-1.06638
5	hcs135h02	4174	MCM5	0.173448	2.07675	9.92581	9.58728	1.26446
7	hcs135h02	4174	MCM5	0.206419	1.84446	9.81463	9.76174	1.03734
1	hcs135h03	?	?	0.393797	-1.07794	10.2051	10.0819	1.08912
3	hcs135h03	?	?	0.699751	-0.445156	10.147	10.3777	-1.17337
5	hcs135h03	?	?	0.155714	2.22806	10.4666	9.94644	1.43414
7	hcs135h03	?	?	0.459486	0.908559	10.0085	9.94103	1.0479
1	hcs135h04	5641	LGMN	0.134295	-2.44588	9.66333	9.26377	1.31911
3	hcs135h04	5641	LGMN	0.121381	-2.60209	9.59957	9.97029	-1.29299
5	hcs135h04	5641	LGMN	0.530642	0.751717	9.61892	9.37646	1.18301
7	hcs135h04	5641	LGMN	0.777064	-0.323418	9.44978	9.52146	-1.05094
1	hcs135h08	2590	GALNT2	0.993695	-0.008917C	10.567	10.5635	1.00241
3	hcs135h08	2590	GALNT2	0.086677	3.17171	11.0591	10.3202	1.66899
5	hcs135h08	2590	GALNT2	0.0311694	5.53088	11.1573	10.1729	1.97852
7	hcs135h08	2590	GALNT2	0.119498	2.62681	10.8212	10.2808	1.45434
1	hcs136a01	89891	WDR34	0.597335	0.622118	10.9229	11.0315	0.927509
3	hcs136a01	89891	WDR34	0.939014	0.0864082	11.2622	11.2447	1.01223
5	hcs136a01	89891	WDR34	0.862087	-0.196921	11.0657	11.0821	-1.01139
7	hcs136a01	89891	WDR34	0.341904	1.23608	11.0027	10.8427	1.11731
1	hcs136a02	9531	BAG3	0.889353	0.157445	11.1787	11.2201	0.971711
3	hcs136a02	9531	BAG3	0.229985	1.70677	11.4768	11.3927	1.06
5	hcs136a02	9531	BAG3	0.0537907	-4.13575	11.3124	11.438	-1.09099
7	hcs136a02	9531	BAG3	0.143387	-2.34792	10.968	11.1588	-1.1414
1	hcs136a07			0.832573	-0.240167	12.8023	12.7553	1.03309
3	hcs136a07			0.772929	0.32974	12.9729	12.9242	1.03431
5	hcs136a07			0.674789	-0.486355	12.8625	12.9082	-1.03216
7	hcs136a07			0.0620743	-3.82436	12.5438	12.8402	-1.22805
1	hcs136a08	23541	SEC14L2	0.178081	2.04066	10.9171	11.4297	0.700958
3	hcs136a08	23541	SEC14L2	0.782098	-0.315747	10.9571	11.0623	-1.07567
5	hcs136a08	23541	SEC14L2	0.658058	0.514599	11.3035	11.2058	1.07002
7	hcs136a08	23541	SEC14L2	0.881173	-0.169246	11.0969	11.1357	-1.02728
5	hcs136a09	?	?	0.453017	0.924036	9.69289	9.64968	1.0304
1	hcs136a10	83986	ITFG3	0.745244	0.372572	9.72352	9.80878	0.942615
5	hcs136a10	83986	ITFG3	0.551367	0.709915	9.70579	9.64652	1.04194
1	hcs136a11	?	?	0.394998	-1.07458	10.0806	9.77663	1.23454
3	hcs136a11	?	?	0.114583	-2.69401	10.094	10.4339	-1.26568
5	hcs136a11	?	?	0.473294	0.876275	10.137	10.0511	1.06137
7	hcs136a11	?	?	0.0800002	3.31976	10.099	9.72714	1.29404
1	hcs136b01	?	?	0.420501	1.0056	9.61778	9.96404	0.786619

3	hcs136b01	?	?	0.507839	-0.799561	9.69156	10.3136	-1.53905
5	hcs136b02	?	?	0.971722	-0.040007	10.1726	10.176	-1.00238
7	hcs136b02	?	?	0.933932	0.0936392	10.1082	10.0687	1.02773
1	hcs136b05	293	SLC25A6	0.659872	0.51151	12.5098	12.5515	0.971487
3	hcs136b05	293	SLC25A6	0.21323	1.80262	12.8606	12.517	1.26892
5	hcs136b05	293	SLC25A6	0.214847	1.79295	12.8345	12.6741	1.1176
7	hcs136b05	293	SLC25A6	0.893674	0.151225	12.5969	12.5666	1.02118
1	hcs136b11	2779	GNAT1	0.440442	0.954805	10.291	10.4969	0.867018
3	hcs136b11	2779	GNAT1	0.590061	-0.635602	10.1951	10.4579	-1.19974
5	hcs136b11	2779	GNAT1	0.858505	0.202138	10.5154	10.4882	1.01901
7	hcs136b11	2779	GNAT1	0.331853	-1.26998	10.2335	10.2903	-1.04021
1	hcs136c01	?	?	0.456856	0.914822	10.7259	10.9497	0.856327
3	hcs136c01	?	?	0.873066	-0.180976	10.8456	10.8728	-1.01903
5	hcs136c01	?	?	0.473626	0.875511	10.9394	10.6263	1.24237
7	hcs136c01	?	?	0.782678	-0.314865	10.4368	10.516	-1.05646
1	hcs136c02	84461	NEURL4	0.614371	0.591079	10.1389	10.2029	0.956577
3	hcs136c02	84461	NEURL4	0.934548	-0.0927619	10.3042	10.3172	-1.009
5	hcs136c02	84461	NEURL4	0.617576	0.585321	10.26	10.1978	1.0441
7	hcs136c02	84461	NEURL4	0.162919	-2.16387	9.7276	10.0277	-1.23122
1	hcs136c05	?	?	0.316547	1.32405	10.861	11.0863	0.855397
3	hcs136c05	?	?	0.551857	0.708945	11.2785	11.1371	1.10292
5	hcs136c05	?	?	0.342175	1.23519	11.2723	11.0666	1.15322
7	hcs136c05	?	?	0.317118	1.32198	10.9268	10.7237	1.15112
1	hcs136c07	654790	PCP4L1	0.678964	0.479389	9.90471	10.0234	0.921017
3	hcs136c07	654790	PCP4L1	0.599252	-0.618589	10.5831	10.6763	-1.06677
5	hcs136c07	654790	PCP4L1	0.38433	-1.10493	9.93775	10.1494	-1.15803
1	hcs136c08	?	?	0.520403	0.772947	10.2546	10.3047	0.965892
3	hcs136c08	?	?	0.34109	-1.23878	10.377	10.6503	-1.20851
5	hcs136c08	?	?	0.365235	1.16175	10.4518	10.2596	1.14248
7	hcs136c08	?	?	0.253636	1.58596	10.3528	10.2022	1.11001
1	hcs136c09	25802	LMOD1	0.362549	1.17002	11.257	11.5373	0.823439
3	hcs136c09	25802	LMOD1	0.72337	0.407101	11.5327	11.429	1.0745
5	hcs136c09	25802	LMOD1	0.691564	0.458551	11.6014	11.5267	1.05312
7	hcs136c09	25802	LMOD1	0.455354	0.918418	11.4929	11.3681	1.09041
1	hcs136c10	3280	HES1	0.0870139	-3.16467	10.6852	10.296	1.30964
5	hcs136c10	3280	HES1	0.234739	1.68123	10.3092	9.78842	1.43471
1	hcs136c12	?	?	0.425685	0.992144	10.5029	10.5768	0.950088
3	hcs136c12	?	?	0.451508	-0.92768	10.4441	10.642	-1.147
5	hcs136c12	?	?	0.889536	-0.157182	10.4367	10.4639	-1.01903
7	hcs136c12	?	?	0.622111	0.577216	10.2399	10.2208	1.0133
1	hcs136d02	10347	ABCA7	0.686033	-0.467664	11.8249	11.7108	1.08227
3	hcs136d02	10347	ABCA7	0.212275	1.80838	11.4731	11.1297	1.26871
5	hcs136d02	10347	ABCA7	0.0787121	3.35037	11.9947	11.5733	1.33916
7	hcs136d02	10347	ABCA7	0.135358	2.43394	11.5705	11.367	1.15144
1	hcs136d03	4650	MYO9B	0.157405	-2.21264	10.5271	10.3534	1.12795
3	hcs136d03	4650	MYO9B	0.589554	0.636548	10.6273	10.3847	1.18315
5	hcs136d03	4650	MYO9B	0.135858	2.42838	10.9138	10.2971	1.53334

7	hcs136d03	4650	MYO9B	0.334131	1.26219	10.4227	10.3299	1.06649
1	hcs136d04	23261	CAMTA1	0.409626	1.03443	11.0307	11.154	0.918064
3	hcs136d04	23261	CAMTA1	0.952272	-0.0675742	11.282	11.2906	-1.006
5	hcs136d04	23261	CAMTA1	0.897331	-0.145967	11.2063	11.2142	-1.00554
7	hcs136d04	23261	CAMTA1	0.0493697	4.33221	10.8998	10.7971	1.07376
1	hcs136d05	100329109	LOC100329	0.349613	1.21088	10.0618	10.3731	0.805895
3	hcs136d05	100329109	LOC100329	0.446512	0.939837	10.7489	10.4889	1.19742
5	hcs136d05	100329109	LOC100329	0.389324	-1.0906	10.1784	10.4616	-1.21687
7	hcs136d05	100329109	LOC100329	0.767626	-0.337875	10.0401	10.0796	-1.02776
1	hcs136d07			0.24271	1.63988	10.5255	10.8441	0.801829
3	hcs136d07			0.767915	0.337432	10.8928	10.801	1.06575
5	hcs136d07			0.332337	-1.26832	10.7358	10.8674	-1.09551
7	hcs136d07			0.491668	0.834791	10.6878	10.6311	1.04008
1	hcs136d08			0.15764	2.21051	11.6426	11.7781	0.910354
3	hcs136d08			0.216407	1.7837	12.062	11.6498	1.33065
5	hcs136d08			0.060245	3.88773	12.3095	11.9239	1.30637
7	hcs136d08			0.467715	0.889199	11.8452	11.6549	1.141
1	hcs136d09	?	?	0.394925	1.07478	10.7281	10.9717	0.844616
3	hcs136d09	?	?	0.279197	-1.47066	11.0417	11.2979	-1.19433
5	hcs136d09	?	?	0.638975	0.547491	11.0355	10.9278	1.07756
7	hcs136d09	?	?	0.945744	-0.0768425	10.8113	10.8145	-1.00222
3	hcs136d10	?	?	0.681505	-0.475164	15.6962	15.8114	-1.08313
1	hcs136d11	57410	SCYL1	0.100821	2.90604	11.4369	11.6908	0.838607
3	hcs136d11	57410	SCYL1	0.739865	0.381003	11.4687	11.4386	1.02106
5	hcs136d11	57410	SCYL1	0.908309	0.130219	11.883	11.8503	1.0229
7	hcs136d11	57410	SCYL1	0.118435	-2.64101	11.2331	11.4296	-1.14589
1	hcs136d12	80727	TTYH3	0.579244	0.655927	11.6636	11.7483	0.942981
3	hcs136d12	80727	TTYH3	0.558406	0.696053	11.6976	11.3845	1.2424
5	hcs136d12	80727	TTYH3	0.218159	1.77342	12.0137	11.733	1.21476
7	hcs136d12	80727	TTYH3	0.60538	0.607369	11.6589	11.5838	1.05343
1	hcs136e01	?	?	0.946803	0.0753383	11.0561	11.069	0.991075
3	hcs136e01	?	?	0.577168	-0.659864	10.8522	11.0339	-1.13422
5	hcs136e01	?	?	0.611045	0.597082	11.0309	10.9524	1.05594
7	hcs136e01	?	?	0.379239	-1.11976	10.6689	10.7715	-1.07368
1	hcs136e02	?	?	0.45877	0.910261	10.4274	10.4888	0.958311
3	hcs136e02	?	?	0.893934	-0.150851	10.6819	10.6965	-1.01017
5	hcs136e02	?	?	0.132275	-2.46889	10.5794	10.7402	-1.11793
7	hcs136e02	?	?	0.847758	-0.217842	10.235	10.2643	-1.02054
1	hcs136e03	?	?	0.900654	-0.141194	11.8997	11.8806	1.01333
3	hcs136e03	?	?	0.433016	0.973423	12.1104	11.8806	1.17267
5	hcs136e03	?	?	0.27693	1.48033	12.2686	12.0696	1.1479
7	hcs136e03	?	?	0.177	2.04897	12.1153	12.0024	1.08137
1	hcs136e04	199745	THAP8	0.330257	1.27548	11.2274	11.3736	0.903648
3	hcs136e04	199745	THAP8	0.532523	0.747861	11.6414	11.5105	1.095
5	hcs136e04	199745	THAP8	0.769741	0.334626	11.4873	11.46	1.0191
7	hcs136e04	199745	THAP8	0.69002	0.46109	11.47	11.4357	1.02408
1	hcs136e05	115024	NT5C3L	0.497758	0.82139	11.4422	11.6024	0.89488

3	hcs136e05	115024	NT5C3L	0.629467	0.564171	11.7223	11.6314	1.06506
5	hcs136e05	115024	NT5C3L	0.881677	0.168517	11.6559	11.622	1.02378
7	hcs136e05	115024	NT5C3L	0.62379	-0.574228	11.76	11.7832	-1.01623
1	hcs136e07			0.985864	-0.0199933	10.0034	9.99607	1.00509
3	hcs136e07			0.263499	-1.53979	10.3562	10.6172	-1.19825
5	hcs136e07			0.557263	0.698292	10.41	10.3155	1.06774
7	hcs136e07			0.278294	1.4745	10.2618	9.96298	1.23011
1	hcs136e08	51315	KRCC1	0.548409	-0.715791	10.4854	10.4569	1.01995
3	hcs136e08	51315	KRCC1	0.922044	-0.110583	10.6173	10.6351	-1.01246
5	hcs136e08	51315	KRCC1	0.178526	2.03726	10.666	10.5058	1.11739
7	hcs136e08	51315	KRCC1	0.475204	0.871886	10.4645	10.2698	1.14449
1	hcs136e09	11091	WDR5	0.299928	1.38648	10.8382	11.1418	0.810247
3	hcs136e09	11091	WDR5	0.998712	0.0018216	11.2018	11.2012	1.00037
5	hcs136e09	11091	WDR5	0.941852	0.0823731	11.1401	11.1321	1.00554
7	hcs136e09	11091	WDR5	0.214235	1.7966	11.0723	10.8888	1.13564
1	hcs136e10	?	?	0.959958	0.056673	10.3472	10.3523	0.996471
3	hcs136e10	?	?	0.669073	0.495944	10.5757	10.4769	1.07088
5	hcs136e10	?	?	0.422755	0.999727	10.5218	10.4319	1.0643
7	hcs136e10	?	?	0.279993	1.46728	10.2624	10.0164	1.18588
1	hcs136e11	?	?	0.527531	0.758126	10.9703	11.0726	0.931568
3	hcs136e11	?	?	0.124693	-2.55987	11.1281	11.2823	-1.1128
5	hcs136e11	?	?	0.480916	-0.85887	10.9892	11.0702	-1.0578
7	hcs136e11	?	?	0.203984	-1.85987	10.6671	10.7195	-1.03699
1	hcs136e12	113791	PIK3IP1	0.600893	-0.615573	10.2129	10.1591	1.03797
3	hcs136e12	113791	PIK3IP1	0.793106	-0.299063	10.4258	10.4542	-1.01985
5	hcs136e12	113791	PIK3IP1	0.0464353	-4.47741	10.0437	10.2172	-1.12779
7	hcs136e12	113791	PIK3IP1	0.293965	-1.40994	9.77811	9.91997	-1.10332
1	hcs136f02	9374	PPT2	0.298753	1.39106	10.7986	11.0229	0.85603
3	hcs136f02	9374	PPT2	0.901641	0.139778	10.9544	10.9147	1.02788
5	hcs136f02	9374	PPT2	0.343186	1.23185	10.9462	10.7903	1.11412
7	hcs136f02	9374	PPT2	0.171756	2.09026	11.0032	10.8452	1.11577
1	hcs136f03	?	?	0.439585	-0.956936	10.1426	10.0926	1.03526
3	hcs136f03	?	?	0.245866	-1.62399	10.2781	10.7277	-1.36566
5	hcs136f03	?	?	0.51902	0.775845	10.3401	10.1751	1.12117
7	hcs136f03	?	?	0.501585	-0.81305	10.1548	10.2263	-1.05084
1	hcs136f04	?	?	0.479134	0.862913	11.5364	11.6476	0.925818
3	hcs136f04	?	?	0.654741	0.520262	11.697	11.5596	1.0999
5	hcs136f04	?	?	0.46921	0.885719	11.6784	11.5437	1.09792
7	hcs136f04	?	?	0.920158	0.113275	11.4609	11.4541	1.00472
1	hcs136f06	5591	PRKDC	0.491583	0.834981	11.3668	11.3984	0.978334
3	hcs136f06	5591	PRKDC	0.878011	-0.173816	11.3338	11.3546	-1.0145
5	hcs136f06	5591	PRKDC	0.491602	0.834939	11.482	11.29	1.14237
7	hcs136f06	5591	PRKDC	0.345563	-1.22404	11.1585	11.2603	-1.07311
3	hcs136f07	112858	TP53RK	0.0830665	-3.24965	10.2479	10.4734	-1.16923
5	hcs136f07	112858	TP53RK	0.940036	-0.0849546	10.2066	10.2261	-1.01357
7	hcs136f07	112858	TP53RK	0.793046	0.299153	10.0838	10.007	1.05467
1	hcs136f08	84557	MAP1LC3A	0.295611	1.4034	10.9677	11.3253	0.780462

3	hcs136f08	84557	MAP1LC3A	0.519568	0.774696	11.3848	11.199	1.13745
5	hcs136f08	84557	MAP1LC3A	0.532662	0.747576	11.445	11.3245	1.08711
7	hcs136f08	84557	MAP1LC3A	0.169931	2.10503	11.2692	11.2413	1.01957
1	hcs136f09	7920	ABHD16A	0.353256	1.1992	10.8655	11.109	0.844693
3	hcs136f09	7920	ABHD16A	0.619839	-0.58127	11.4608	11.5948	-1.09731
5	hcs136f09	7920	ABHD16A	0.515531	0.783191	11.318	11.157	1.11804
7	hcs136f09	7920	ABHD16A	0.774157	0.327861	11.2122	11.1953	1.01178
1	hcs136f10	9562	MINPP1	0.236054	1.67428	10.2657	10.3924	0.915945
3	hcs136f10	9562	MINPP1	0.914113	-0.121913	10.2801	10.3269	-1.03293
5	hcs136f10	9562	MINPP1	0.127969	2.51964	10.5354	10.4745	1.04314
7	hcs136f10	9562	MINPP1	0.0152999	7.99148	10.2812	10.1886	1.06628
1	hcs136f11	?	?	0.250908	1.59914	10.3017	10.418	0.92255
3	hcs136f11	?	?	0.279455	-1.46956	10.4414	10.7611	-1.24801
5	hcs136f11	?	?	0.357215	-1.18666	10.5413	10.6528	-1.0803
7	hcs136f11	?	?	0.716817	-0.417575	10.3149	10.3277	-1.00893
1	hcs136f12	23345	SYNE1	0.0619994	3.8269	9.98563	10.1215	0.9101
3	hcs136f12	23345	SYNE1	0.829183	-0.245176	9.94668	10.0263	-1.05671
5	hcs136f12	23345	SYNE1	0.687023	0.466029	10.2949	10.1652	1.09412
7	hcs136f12	23345	SYNE1	0.75265	0.361025	10.0283	9.98773	1.02854
1	hcs136g02	126823	KLHDC9	0.736478	-0.386332	10.3548	10.3235	1.02194
3	hcs136g02	126823	KLHDC9	0.200471	1.88254	10.7266	10.6314	1.06821
5	hcs136g02	126823	KLHDC9	0.303404	-1.37308	10.3574	10.4798	-1.08857
7	hcs136g02	126823	KLHDC9	0.338599	-1.2471	9.83009	9.98586	-1.11402
1	hcs136g04	6247	RS1	0.451782	-0.927018	10.4122	10.158	1.1927
3	hcs136g04	6247	RS1	0.425512	-0.992592	10.5007	10.7303	-1.17251
5	hcs136g04	6247	RS1	0.428955	0.983751	10.0147	9.83375	1.1336
7	hcs136g04	6247	RS1	0.355898	-1.19081	10.0874	10.1185	-1.02183
1	hcs136g05	7297	TYK2	0.828595	0.246045	10.7511	10.8028	0.964776
3	hcs136g05	7297	TYK2	0.272743	1.49847	11.3123	11.1548	1.11538
5	hcs136g05	7297	TYK2	0.734452	-0.389526	10.9787	11.022	-1.03047
7	hcs136g05	7297	TYK2	0.267814	-1.52028	10.4516	10.5851	-1.09698
1	hcs136g06	?	?	0.74633	-0.370875	12.5354	12.4854	1.03526
3	hcs136g06	?	?	0.425813	0.991816	12.7132	12.5711	1.10348
5	hcs136g06	?	?	0.0657931	-3.70353	12.449	12.5554	-1.07654
7	hcs136g06	?	?	0.823278	0.25392	12.4873	12.4691	1.0127
1	hcs136g07	9148	NEURL	0.240021	1.65363	10.7945	11.0742	0.823762
3	hcs136g07	9148	NEURL	0.994192	-0.0082132	11.087	11.0915	-1.00317
5	hcs136g07	9148	NEURL	0.395876	1.07212	11.1219	10.9315	1.14105
7	hcs136g07	9148	NEURL	0.321945	1.30463	11.1351	11.0719	1.04473
1	hcs136g09	2194	FASN	0.866047	-0.19116	11.7976	11.7657	1.02238
3	hcs136g09	2194	FASN	0.154749	2.23696	12.1528	11.6861	1.38194
5	hcs136g09	2194	FASN	0.0022706	20.9502	12.1326	11.7984	1.26071
7	hcs136g09	2194	FASN	0.0072161	11.7081	11.9779	11.6899	1.22092
1	hcs136g10	79109	MAPKAP1	0.744727	0.37338	11.0996	11.1637	0.956542
3	hcs136g10	79109	MAPKAP1	0.744658	0.373489	11.2067	11.107	1.07155
5	hcs136g10	79109	MAPKAP1	0.252217	1.59279	11.3047	11.1108	1.14385
7	hcs136g10	79109	MAPKAP1	0.584341	0.646307	11.0314	10.9498	1.05814

1	hcs136g11	?	?	0.461615	0.903515	10.1454	10.2716	0.916221
3	hcs136g11	?	?	0.353023	-1.19994	10.3942	10.5763	-1.13456
5	hcs136g11	?	?	0.549073	0.714468	10.3196	10.2184	1.07269
7	hcs136g11	?	?	0.159707	2.192	10.0029	9.92974	1.05205
3	hcs136h02	513	ATP5D	0.598067	0.62077	9.62736	9.5642	1.04475
1	hcs136h04	11129	CLASRP	0.986953	-0.0184534	12.1975	12.194	1.00245
3	hcs136h04	11129	CLASRP	0.865767	-0.191567	12.1211	12.1319	-1.00749
5	hcs136h04	11129	CLASRP	0.974746	-0.0357255	12.2904	12.295	-1.00315
7	hcs136h04	11129	CLASRP	0.398907	-1.06368	12.0011	12.1635	-1.11917
1	hcs136h07	22980	TCF25	0.681706	0.47483	11.0661	11.2066	0.907184
3	hcs136h07	22980	TCF25	0.487733	0.84354	11.3665	11.2249	1.10315
5	hcs136h07	22980	TCF25	0.0245254	6.26739	11.375	11.2017	1.12766
7	hcs136h07	22980	TCF25	0.0501358	4.29636	11.2041	10.999	1.15271
1	hcs136h08	361	AQP4	0.417713	1.01291	11.1591	11.3015	0.906031
3	hcs136h08	361	AQP4	0.619834	0.581279	11.5227	11.4229	1.0716
5	hcs136h08	361	AQP4	0.705255	0.436211	11.4742	11.3898	1.06027
7	hcs136h08	361	AQP4	0.721332	0.410351	11.3663	11.345	1.01487
1	hcs136h09	?	?	0.216463	1.78337	10.7119	10.9628	0.840353
3	hcs136h09	?	?	0.768049	-0.337226	10.951	11.0398	-1.06344
5	hcs136h09	?	?	0.572583	0.668608	11.1454	10.9992	1.10665
7	hcs136h09	?	?	0.243871	1.634	10.9658	10.9309	1.02453
1	hcs136h11	?	?	0.831969	0.241059	12.4565	12.488	0.97838
3	hcs136h11	?	?	0.964255	0.0505832	12.492	12.4838	1.00572
5	hcs136h11	?	?	0.0637182	-3.76969	12.6167	12.7915	-1.12881
7	hcs136h11	?	?	0.939175	-0.0861784	12.4118	12.4178	-1.00417
1	hcs137a01	64094	SMOC2	0.395625	1.07282	11.047	11.2716	0.855813
3	hcs137a01	64094	SMOC2	0.957657	0.0599351	10.7604	10.7405	1.01392
5	hcs137a01	64094	SMOC2	0.917746	0.116721	11.06	11.0445	1.01083
7	hcs137a01	64094	SMOC2	0.355378	1.19245	10.9262	10.7194	1.1541
1	hcs137a02	90102	PHLDB2	0.55975	0.693423	10.5203	10.6372	0.922145
3	hcs137a02	90102	PHLDB2	0.925884	-0.105105	10.2267	10.2543	-1.01931
5	hcs137a02	90102	PHLDB2	0.173451	2.07673	10.7099	10.3073	1.32187
7	hcs137a02	90102	PHLDB2	0.408673	1.03699	10.447	10.1658	1.21522
1	hcs137a03	?	?	0.381015	1.11456	10.8391	11.0499	0.864078
3	hcs137a03	?	?	0.91615	0.119001	10.9017	10.8829	1.01309
5	hcs137a03	?	?	0.957044	-0.0608045	10.8939	10.9055	-1.00805
7	hcs137a03	?	?	0.565493	-0.682255	10.652	10.6773	-1.01769
1	hcs137a04			0.702403	0.440839	10.6144	10.6956	0.945293
3	hcs137a04			0.971811	0.0398806	10.9546	10.95	1.00325
5	hcs137a04			0.951141	-0.0691796	10.9064	10.9132	-1.00468
7	hcs137a04			0.279402	1.46978	10.5305	10.4057	1.09042
1	hcs137a05	9637	FEZ2	0.296358	1.40046	10.8187	11.0329	0.862024
3	hcs137a05	9637	FEZ2	0.539794	0.73307	11.2505	11.1466	1.07465
5	hcs137a05	9637	FEZ2	0.190513	-1.94978	10.6842	10.8591	-1.12891
7	hcs137a05	9637	FEZ2	0.0230362	-6.47425	10.4215	10.5838	-1.11904
1	hcs137a06	10935	PRDX3	0.607871	0.602836	10.9797	11.1297	0.90123
3	hcs137a06	10935	PRDX3	0.151312	2.26931	11.2808	11.103	1.13113



5	hcs137a06	10935	PRDX3	0.542017	0.728588	11.1235	11.0329	1.06484
7	hcs137a06	10935	PRDX3	0.449389	-0.932819	10.8061	10.8463	-1.02821
1	hcs137a07	573	BAG1	0.481196	0.858236	11.231	11.3613	0.913621
3	hcs137a07	573	BAG1	0.549921	0.712783	11.4925	11.3924	1.07182
5	hcs137a07	573	BAG1	0.586394	0.642454	11.3865	11.3134	1.052
7	hcs137a07	573	BAG1	0.398494	1.06483	11.1714	11.1066	1.04594
1	hcs137a09	55122	AKIRIN2	0.223007	1.74554	10.7317	11.0729	0.789385
3	hcs137a09	55122	AKIRIN2	0.941111	0.0834258	11.0686	11.0539	1.01024
5	hcs137a09	55122	AKIRIN2	0.876164	-0.176489	10.9866	11.0135	-1.01882
7	hcs137a09	55122	AKIRIN2	0.830187	0.243691	10.9007	10.8843	1.01143
1	hcs137a11			0.600456	0.616375	10.7766	10.8811	0.930106
3	hcs137a11			0.305633	-1.36458	10.9968	11.1059	-1.07853
5	hcs137a11			0.475364	-0.871519	10.7876	10.8272	-1.02783
7	hcs137a11			0.0202336	-6.92299	10.6282	10.6874	-1.04189
1	hcs137a12	5955	RCN2	0.270344	1.50902	10.9047	11.2312	0.797469
3	hcs137a12	5955	RCN2	0.812274	0.270291	11.0938	11.0574	1.0256
5	hcs137a12	5955	RCN2	0.905807	-0.133804	10.9756	10.9918	-1.01125
7	hcs137a12	5955	RCN2	0.493367	0.831035	11.0232	10.9161	1.07701
1	hcs137b01	?	?	0.21387	1.79878	11.1148	11.4741	0.779561
3	hcs137b01	?	?	0.898832	-0.143811	11.382	11.4206	-1.02714
5	hcs137b01	?	?	0.91992	0.113615	11.4995	11.4829	1.0116
7	hcs137b01	?	?	0.489469	0.839672	11.546	11.3796	1.1222
1	hcs137b02	64850	AGXT2L1	0.423034	0.999002	11.5128	11.702	0.877092
3	hcs137b02	64850	AGXT2L1	0.644187	0.538432	11.8152	11.6865	1.09333
5	hcs137b02	64850	AGXT2L1	0.463957	0.897994	11.759	11.6752	1.05978
7	hcs137b02	64850	AGXT2L1	0.414716	1.02083	11.864	11.6421	1.16627
1	hcs137b03	28984	C13orf15	0.393879	1.07772	11.1684	11.3046	0.909934
3	hcs137b03	28984	C13orf15	0.616432	0.587373	11.2629	11.1714	1.06545
5	hcs137b03	28984	C13orf15	0.941332	-0.0831117	11.1656	11.1711	-1.00377
7	hcs137b03	28984	C13orf15	0.49174	0.834632	11.2793	11.2115	1.04817
1	hcs137b05	11014	KDEL2	0.287101	1.43767	12.0383	12.2557	0.860114
3	hcs137b05	11014	KDEL2	0.899545	0.142787	12.2616	12.231	1.02144
5	hcs137b05	11014	KDEL2	0.873267	-0.180684	12.2496	12.2704	-1.01447
7	hcs137b05	11014	KDEL2	0.323463	-1.29924	12.113	12.1721	-1.04179
1	hcs137b06	50808	AK3	0.0421434	4.71585	11.0122	11.2941	0.822488
3	hcs137b06	50808	AK3	0.357623	1.18537	11.5681	11.3815	1.13813
5	hcs137b06	50808	AK3	0.105708	2.8263	11.4071	11.0949	1.24166
7	hcs137b06	50808	AK3	0.502057	0.812028	11.2793	11.01	1.20517
1	hcs137b08	64422	ATG3	0.285924	1.44251	11.046	11.2215	0.88546
3	hcs137b08	64422	ATG3	0.988617	-0.0160996	11.2709	11.277	-1.00426
5	hcs137b08	64422	ATG3	0.882954	0.166673	11.3919	11.3532	1.02719
7	hcs137b08	64422	ATG3	0.422012	1.00166	11.2404	11.0613	1.13218
1	hcs137b09	?	?	0.453738	0.922299	11.6625	11.6958	0.977205
3	hcs137b09	?	?	0.474356	0.873832	12.0117	11.9276	1.06003
5	hcs137b09	?	?	0.196882	-1.90625	11.6724	11.7318	-1.04198
7	hcs137b09	?	?	0.482176	-0.85602	11.2474	11.3299	-1.05885
1	hcs137b10	7026	NR2F2	0.295067	1.40556	11.2748	11.5523	0.825038

3	hcs137b10	7026	NR2F2	0.581938	0.650834	11.6546	11.4763	1.1315
5	hcs137b10	7026	NR2F2	0.0618094	-3.83337	11.5445	11.6019	-1.04061
7	hcs137b10	7026	NR2F2	0.525456	0.76242	11.4934	11.4428	1.03565
1	hcs137b11	?	?	0.299641	1.3876	11.1577	11.2632	0.929504
3	hcs137b11	?	?	0.919764	-0.113838	11.2971	11.315	-1.01253
5	hcs137b11	?	?	0.475026	-0.872293	11.3064	11.4119	-1.07589
7	hcs137b11	?	?	0.493322	-0.831135	11.008	11.0155	-1.00517
1	hcs137b12	22998	LIMCH1	0.14028	2.3804	11.2037	11.4516	0.842102
3	hcs137b12	22998	LIMCH1	0.768465	0.336586	11.2612	11.1898	1.05069
5	hcs137b12	22998	LIMCH1	0.19517	1.91776	11.5257	11.3699	1.11401
7	hcs137b12	22998	LIMCH1	0.584025	0.646902	11.4149	11.3736	1.02906
1	hcs137c01	140823	ROMO1	0.469646	0.884708	10.9193	11.1086	0.877011
3	hcs137c01	140823	ROMO1	0.975962	-0.0340051	10.8093	10.8195	-1.00705
5	hcs137c01	140823	ROMO1	0.808473	0.275969	10.9798	10.9435	1.02548
7	hcs137c01	140823	ROMO1	0.862715	-0.196007	10.6737	10.6849	-1.00779
1	hcs137c02	6093	ROCK1	0.534093	0.74465	10.1881	10.2899	0.931874
3	hcs137c02	6093	ROCK1	0.666224	-0.500747	10.2764	10.3624	-1.06145
5	hcs137c02	6093	ROCK1	0.0371771	-5.04061	10.0881	10.3324	-1.18452
7	hcs137c02	6093	ROCK1	0.306445	1.36151	9.92404	9.842	1.05852
1	hcs137c03	5274	SERPINI1	0.862105	0.196895	10.9528	11.0001	0.967768
3	hcs137c03	5274	SERPINI1	0.985315	0.02077	11.1115	11.1077	1.00264
5	hcs137c03	5274	SERPINI1	0.204656	-1.8556	10.8744	10.9514	-1.05485
7	hcs137c03	5274	SERPINI1	0.0692977	3.59839	10.6389	10.5832	1.03936
1	hcs137c05	84896	ATAD1	0.270492	1.50836	11.0264	11.2086	0.881378
3	hcs137c05	84896	ATAD1	0.59955	0.61804	11.3142	11.1406	1.12782
5	hcs137c05	84896	ATAD1	0.687917	0.464554	11.2091	11.1192	1.0643
7	hcs137c05	84896	ATAD1	0.632134	0.559472	11.2811	11.2356	1.03206
1	hcs137c06	?	?	0.327715	1.28429	11.0011	11.1765	0.885542
3	hcs137c06	?	?	0.736163	0.386828	11.3168	11.228	1.06351
5	hcs137c06	?	?	0.78055	0.318103	11.1858	11.1121	1.05244
7	hcs137c06	?	?	0.383123	1.10842	11.1711	11.0662	1.07542
1	hcs137c07	23593	HEBP2	0.574055	-0.665795	11.5019	11.4066	1.06826
3	hcs137c07	23593	HEBP2	0.306226	1.36234	11.845	11.6319	1.1592
5	hcs137c07	23593	HEBP2	0.93581	-0.0909665	11.3431	11.3645	-1.01494
7	hcs137c07	23593	HEBP2	0.612754	-0.593995	11.1951	11.2351	-1.02811
1	hcs137c08	23350	SR140	0.164682	2.14876	10.6914	10.9218	0.852379
3	hcs137c08	23350	SR140	0.890779	-0.155392	10.8993	10.9464	-1.03314
5	hcs137c08	23350	SR140	0.448265	0.935555	11.0282	10.9239	1.07495
7	hcs137c08	23350	SR140	0.485907	-0.847625	10.777	10.8303	-1.03764
1	hcs137c09	5797	PTPRM	0.187902	1.96819	11.0956	11.3645	0.829933
3	hcs137c09	5797	PTPRM	0.726959	0.40139	11.3813	11.3007	1.05746
5	hcs137c09	5797	PTPRM	0.661606	0.508564	11.2444	11.1788	1.04654
7	hcs137c09	5797	PTPRM	0.621424	0.57844	11.2944	11.1742	1.08684
1	hcs137c10	?	?	0.219223	1.76724	10.1145	10.4225	0.80778
3	hcs137c10	?	?	0.87254	-0.181738	10.1981	10.2387	-1.0285
5	hcs137c10	?	?	0.328304	-1.28224	10.0214	10.1665	-1.10579
7	hcs137c10	?	?	0.246858	1.61905	10.1224	10.0701	1.03689

1	hcs137c11	5264	PHYH	0.313212	1.33625	11.6676	11.9111	0.844674
3	hcs137c11	5264	PHYH	0.717106	0.417111	11.8192	11.6727	1.10688
5	hcs137c11	5264	PHYH	0.631986	-0.559732	11.9554	12.016	-1.04292
7	hcs137c11	5264	PHYH	0.627416	-0.567796	11.7892	11.8331	-1.03094
1	hcs137c12	4071	TM4SF1	0.14818	2.29968	10.9861	11.1638	0.884111
3	hcs137c12	4071	TM4SF1	0.0156979	7.88712	11.1738	11.0921	1.05824
5	hcs137c12	4071	TM4SF1	0.17007	2.1039	11.237	10.9884	1.18811
7	hcs137c12	4071	TM4SF1	0.61946	0.581948	10.9063	10.8118	1.06772
1	hcs137d01	3936	LCP1	0.198248	1.89716	10.5915	10.7399	0.902251
3	hcs137d01	3936	LCP1	0.499175	-0.818295	10.8933	11.0572	-1.12034
5	hcs137d01	3936	LCP1	0.198808	-1.89346	10.629	10.8042	-1.12907
7	hcs137d01	3936	LCP1	0.277089	1.47965	10.5056	10.3176	1.13918
1	hcs137d02	?	?	0.383248	1.10806	12.0314	12.1384	0.928495
3	hcs137d02	?	?	0.608507	0.601681	12.0285	11.9289	1.07148
5	hcs137d02	?	?	0.351717	1.20411	12.3092	12.1776	1.09546
7	hcs137d02	?	?	0.977524	0.0317937	12.2087	12.2062	1.00176
1	hcs137d03	?	?	0.963507	0.0516438	12.3649	12.3719	0.995183
3	hcs137d03	?	?	0.170649	2.09919	12.4353	12.2756	1.117
5	hcs137d03	?	?	0.506288	-0.802891	12.4061	12.4988	-1.06636
7	hcs137d03	?	?	0.519744	-0.774327	12.3177	12.3879	-1.04984
1	hcs137d04	135112	NCOA7	0.204708	1.85527	10.7736	11.041	0.830796
3	hcs137d04	135112	NCOA7	0.924931	-0.106465	11.0528	11.0789	-1.01823
5	hcs137d04	135112	NCOA7	0.440075	0.955719	11.0404	10.9384	1.07329
7	hcs137d04	135112	NCOA7	0.216409	1.78369	10.8597	10.7495	1.07938
1	hcs137d05	?	?	0.336617	1.25376	11.2047	11.4611	0.837155
3	hcs137d05	?	?	0.908472	-0.129986	11.3918	11.4046	-1.00891
5	hcs137d05	?	?	0.586676	-0.641927	11.4933	11.5385	-1.03183
7	hcs137d05	?	?	0.224743	1.73575	11.1385	11.0851	1.03776
1	hcs137d06	22878	TRAPPC8	0.383683	1.1068	11.4553	11.61	0.898299
3	hcs137d06	22878	TRAPPC8	0.80026	0.288285	11.7153	11.6559	1.04201
5	hcs137d06	22878	TRAPPC8	0.730013	0.396545	11.531	11.4789	1.03673
7	hcs137d06	22878	TRAPPC8	0.283726	1.45162	11.6026	11.4274	1.12912
1	hcs137d07	?	?	0.223132	1.74483	10.5594	10.9362	0.770126
3	hcs137d07	?	?	0.832597	-0.240132	10.9465	10.9759	-1.02063
5	hcs137d07	?	?	0.0945519	3.01679	11.0602	10.8803	1.13286
7	hcs137d07	?	?	0.116755	2.66382	10.7105	10.5269	1.13574
1	hcs137d08	719	C3AR1	0.256947	1.57021	10.957	11.0994	0.906011
3	hcs137d08	719	C3AR1	0.79589	0.294863	11.3557	11.3379	1.01237
5	hcs137d08	719	C3AR1	0.453935	-0.921826	11.0173	11.1913	-1.12821
7	hcs137d08	719	C3AR1	0.399951	1.0608	10.7865	10.6681	1.08556
1	hcs137d09	10286	BCAS2	0.141959	2.36273	10.7247	11.0954	0.773407
3	hcs137d09	10286	BCAS2	0.974906	-0.0354992	11.1556	11.1606	-1.00345
5	hcs137d09	10286	BCAS2	0.874808	0.178452	10.9983	10.9747	1.01647
7	hcs137d09	10286	BCAS2	0.348453	1.21463	10.7795	10.6904	1.06366
1	hcs137d10	5867	RAB4A	0.742098	0.377499	12.1001	12.1337	0.976957
3	hcs137d10	5867	RAB4A	0.0062147	-12.6258	11.9035	12.0165	-1.08145
5	hcs137d10	5867	RAB4A	0.301728	-1.37952	12.0185	12.1576	-1.10122

7	hcs137d10	5867	RAB4A	0.802201	-0.285369	11.9836	12.0302	-1.03278
1	hcs137d11	5532	PPP3CB	0.325253	1.29292	13.3816	13.9037	0.696341
3	hcs137d11	5532	PPP3CB	0.599581	0.617983	13.638	13.4908	1.10744
5	hcs137d11	5532	PPP3CB	0.297599	1.39558	13.9557	13.5272	1.3458
7	hcs137d11	5532	PPP3CB	0.0274938	5.90583	13.7729	13.3963	1.29828
1	hcs137d12	5954	RCN1	0.150932	2.27295	11.8043	11.8882	0.943482
3	hcs137d12	5954	RCN1	0.646414	0.534579	11.7453	11.5919	1.11221
5	hcs137d12	5954	RCN1	0.176701	2.05128	12.2062	11.9579	1.18786
7	hcs137d12	5954	RCN1	0.698673	-0.446913	11.7615	11.7839	-1.01569
1	hcs137e01	80790	CMIP	0.598537	-0.619904	12.7237	12.5302	1.14351
3	hcs137e01	80790	CMIP	0.219264	1.767	12.6216	12.2017	1.3379
5	hcs137e01	80790	CMIP	0.0205906	6.86084	13.0386	12.5235	1.42913
7	hcs137e01	80790	CMIP	0.329977	1.27644	12.5854	12.3956	1.14063
1	hcs137e02	27068	PPA2	0.437074	0.963207	11.965	12.1692	0.86802
3	hcs137e02	27068	PPA2	0.398278	1.06543	12.0107	11.9276	1.05934
5	hcs137e02	27068	PPA2	0.962066	-0.053685	12.2074	12.2164	-1.00628
7	hcs137e02	27068	PPA2	0.393729	-1.07814	11.8492	11.9471	-1.07024
1	hcs137e03	55844	PPP2R2D	0.668579	0.496776	11.0948	11.1833	0.940522
3	hcs137e03	55844	PPP2R2D	0.708851	0.430392	11.0109	10.958	1.03737
5	hcs137e03	55844	PPP2R2D	0.16345	-2.1593	11.2823	11.4678	-1.13724
7	hcs137e03	55844	PPP2R2D	0.760557	0.348769	10.7755	10.734	1.02918
1	hcs137e04			0.325855	1.2908	11.2775	11.5195	0.845572
3	hcs137e04			0.680175	-0.477374	11.6288	11.6789	-1.03536
5	hcs137e04			0.556638	-0.69952	11.4827	11.5586	-1.05402
7	hcs137e04			0.449763	-0.93191	11.134	11.1966	-1.0443
1	hcs137e05	57178	ZMIZ1	0.780221	0.318604	11.7963	11.8256	0.979919
3	hcs137e05	57178	ZMIZ1	0.84425	0.222986	11.9687	11.9109	1.04088
5	hcs137e05	57178	ZMIZ1	0.767154	0.338601	11.9622	11.9202	1.02952
7	hcs137e05	57178	ZMIZ1	0.191024	-1.94621	11.7622	11.8009	-1.02719
1	hcs137e06	7049	TGFBR3	0.961205	0.0549061	11.4699	11.4786	0.99401
3	hcs137e06	7049	TGFBR3	0.850506	0.21382	11.6889	11.6591	1.02092
5	hcs137e06	7049	TGFBR3	0.851446	0.212444	11.4472	11.4298	1.01209
7	hcs137e06	7049	TGFBR3	0.768548	0.336459	11.468	11.4268	1.02899
1	hcs137e07			0.0645185	-3.74381	9.94822	9.80792	1.10213
3	hcs137e07			0.13807	2.40412	10.3697	9.97825	1.31172
5	hcs137e07			0.295223	-1.40494	9.63767	9.87476	-1.17862
7	hcs137e07			0.986329	-0.0193352	9.59429	9.59763	-1.00232
1	hcs137e08	26512	INTS6	0.340167	1.24186	11.2192	11.5335	0.804241
3	hcs137e08	26512	INTS6	0.60839	0.601893	11.5029	11.3067	1.14568
5	hcs137e08	26512	INTS6	0.707217	0.433033	11.3865	11.3345	1.03675
7	hcs137e08	26512	INTS6	0.831703	0.241452	11.2902	11.2694	1.01447
1	hcs137e09	1964	EIF1AX	0.667276	0.498973	10.7934	10.8745	0.945336
3	hcs137e09	1964	EIF1AX	0.40035	1.0597	11.2578	11.2054	1.03699
5	hcs137e09	1964	EIF1AX	0.246771	-1.61948	10.9259	11.069	-1.1043
7	hcs137e09	1964	EIF1AX	0.391756	-1.0837	10.4958	10.5929	-1.06962
1	hcs137e10	?	?	0.943509	0.0800184	10.3335	10.3456	0.991616
3	hcs137e10	?	?	0.23654	1.67173	10.5647	10.4592	1.07582

5	hcs137e10	?	?	0.140298	-2.38021	10.2928	10.4497	-1.11486
7	hcs137e10	?	?	0.404039	-1.04957	10.0686	10.1227	-1.03819
1	hcs137e11	9377	COX5A	0.305399	1.36547	11.0695	11.1394	0.952726
3	hcs137e11	9377	COX5A	0.420279	1.00618	11.215	11.1685	1.03273
5	hcs137e11	9377	COX5A	0.137361	-2.41183	10.9413	11.1246	-1.13545
7	hcs137e11	9377	COX5A	0.0954934	-2.9995	10.7708	10.946	-1.12907
1	hcs137e12	?	?	0.4854	0.848763	11.2686	11.5109	0.845377
3	hcs137e12	?	?	0.61814	0.58431	11.6181	11.4428	1.12923
5	hcs137e12	?	?	0.517431	0.779186	11.4464	11.3098	1.09931
7	hcs137e12	?	?	0.350925	1.20665	11.2694	11.2133	1.03965
1	hcs137f01	9194	SLC16A7	0.779323	-0.319973	10.653	10.628	1.01748
3	hcs137f01	9194	SLC16A7	0.523756	-0.76595	10.4892	10.7077	-1.16347
5	hcs137f01	9194	SLC16A7	0.238602	-1.66097	10.4841	10.5323	-1.034
7	hcs137f01	9194	SLC16A7	0.341792	1.23645	10.3812	10.201	1.13298
1	hcs137f02	?	?	0.640808	-0.544299	12.6731	12.5724	1.07229
3	hcs137f02	?	?	0.330466	1.27475	12.4861	12.3031	1.13529
5	hcs137f02	?	?	0.154864	2.2359	12.7791	12.632	1.10729
7	hcs137f02	?	?	0.728283	0.399288	12.7872	12.689	1.07049
1	hcs137f03	10923	SUB1	0.275766	1.48534	11.0209	11.2545	0.85051
3	hcs137f03	10923	SUB1	0.670931	0.492821	11.2143	11.178	1.02553
5	hcs137f03	10923	SUB1	0.0518839	-4.21748	11.1663	11.2275	-1.04331
7	hcs137f03	10923	SUB1	0.334558	-1.26074	10.8342	10.8682	-1.02382
1	hcs137f04	10186	LHFP	0.410356	1.03246	10.935	11.12	0.879629
3	hcs137f04	10186	LHFP	0.785298	-0.310884	11.1539	11.2331	-1.05643
5	hcs137f04	10186	LHFP	0.466746	0.89146	11.1263	10.9998	1.09159
7	hcs137f04	10186	LHFP	0.390219	1.08806	10.8439	10.7313	1.08115
1	hcs137f05	283635	FAM177A1	0.173107	2.07946	11.0276	11.3119	0.82114
3	hcs137f05	283635	FAM177A1	0.883691	-0.16561	11.4208	11.4633	-1.0299
5	hcs137f05	283635	FAM177A1	0.990153	-0.0139259	11.3091	11.311	-1.00134
7	hcs137f05	283635	FAM177A1	0.410269	1.0327	11.1804	11.0786	1.07309
1	hcs137f06	?	?	0.215135	1.79123	11.0115	11.2477	0.848959
3	hcs137f06	?	?	0.651277	-0.5262	11.3275	11.4068	-1.05651
5	hcs137f06	?	?	0.931907	-0.0965219	11.0459	11.0584	-1.0087
7	hcs137f06	?	?	0.554853	0.70303	10.9513	10.8744	1.05477
1	hcs137f07	?	?	0.220777	1.75827	10.6998	11.1351	0.73954
3	hcs137f07	?	?	0.574316	-0.665297	11.216	11.357	-1.10272
5	hcs137f07	?	?	0.494132	-0.82935	10.9384	11.0282	-1.06422
7	hcs137f07	?	?	0.398161	1.06575	10.732	10.5739	1.11584
1	hcs137f08	4677	NARS	0.188084	1.9669	11.2623	11.4921	0.852773
3	hcs137f08	4677	NARS	0.590068	0.63559	11.6705	11.399	1.20701
5	hcs137f08	4677	NARS	0.320534	1.30966	11.7616	11.512	1.18888
7	hcs137f08	4677	NARS	0.451618	0.927413	11.5451	11.3878	1.1152
1	hcs137f09	?	?	0.289337	1.42855	11.0225	11.3072	0.820931
3	hcs137f09	?	?	0.844469	-0.222663	11.3969	11.4564	-1.04208
5	hcs137f09	?	?	0.792704	-0.29967	11.2726	11.3389	-1.047
7	hcs137f09	?	?	0.298638	1.39151	11.2475	10.9904	1.19507
1	hcs137f10	602	BCL3	0.633261	0.557492	11.7863	11.8459	0.959553

3	hcs137f10	602	BCL3	0.931172	0.0975683	11.9784	11.9511	1.0191
5	hcs137f10	602	BCL3	0.809589	-0.2743	11.8397	11.872	-1.02269
7	hcs137f10	602	BCL3	0.778584	0.321099	11.8067	11.7933	1.00931
1	hcs137f11	84858	ZNF503	0.0253524	6.16039	11.5296	11.8073	0.824905
3	hcs137f11	84858	ZNF503	0.636831	0.551235	11.6087	11.5645	1.03109
5	hcs137f11	84858	ZNF503	0.0166497	7.65281	11.7858	11.5856	1.1488
7	hcs137f11	84858	ZNF503	0.132879	2.46196	11.5523	11.2149	1.26348
1	hcs137f12	64110	MAGEF1	0.156887	2.21734	11.4999	11.7032	0.868581
3	hcs137f12	64110	MAGEF1	0.461925	0.902783	11.6597	11.48	1.13265
5	hcs137f12	64110	MAGEF1	0.337506	1.25077	11.926	11.7812	1.10563
7	hcs137f12	64110	MAGEF1	0.284961	-1.44649	11.6902	11.7645	-1.0529
1	hcs137g01	94101	ORMDL1	0.294832	1.40649	11.3427	11.6868	0.787818
3	hcs137g01	94101	ORMDL1	0.583698	0.647517	11.8209	11.61	1.15746
5	hcs137g01	94101	ORMDL1	0.874149	0.179407	11.4808	11.4419	1.02733
7	hcs137g01	94101	ORMDL1	0.577204	0.659797	11.4876	11.3867	1.07239
1	hcs137g02	25949	SYF2	0.332477	1.26784	11.1238	11.3326	0.865237
3	hcs137g02	25949	SYF2	0.587922	0.639595	11.3108	11.1767	1.09741
5	hcs137g02	25949	SYF2	0.906388	-0.132971	11.2702	11.2881	-1.01246
7	hcs137g02	25949	SYF2	0.626082	0.570158	11.1808	11.0839	1.0695
1	hcs137g03	1499	CTNNB1	0.350887	1.20678	11.3054	11.4625	0.896826
3	hcs137g03	1499	CTNNB1	0.562236	0.688575	11.4542	11.2751	1.13218
5	hcs137g03	1499	CTNNB1	0.799448	-0.289506	11.365	11.3811	-1.01122
7	hcs137g03	1499	CTNNB1	0.275188	-1.48783	11.08	11.1681	-1.06297
1	hcs137g04	10975	UQCR11	0.825772	0.250222	11.5919	11.6275	0.975649
5	hcs137g04	10975	UQCR11	0.30757	-1.35726	11.5976	11.6645	-1.04746
7	hcs137g04	10975	UQCR11	0.800397	0.288079	11.4077	11.3942	1.0094
1	hcs137g05	9217	VAPB	0.569094	0.675304	11.2372	11.3204	0.943983
3	hcs137g05	9217	VAPB	0.547821	0.716963	11.6364	11.4465	1.14068
5	hcs137g05	9217	VAPB	0.422215	-1.00113	11.2229	11.3649	-1.10343
7	hcs137g05	9217	VAPB	0.0535734	-4.14485	10.8359	10.9365	-1.07227
1	hcs137g06	8932	MBD2	0.720721	0.411327	11.3278	11.38	0.964464
3	hcs137g06	8932	MBD2	0.49659	0.823947	11.6897	11.5141	1.12949
5	hcs137g06	8932	MBD2	0.14575	2.32387	11.4288	11.3014	1.09235
7	hcs137g06	8932	MBD2	0.454854	0.919618	11.3504	11.3004	1.03529
1	hcs137g07	10957	PNRC1	0.165623	2.14078	11.594	11.7901	0.872887
3	hcs137g07	10957	PNRC1	0.477205	0.867307	12.116	11.8405	1.21039
5	hcs137g07	10957	PNRC1	0.134848	2.43966	12.0655	11.8385	1.1704
7	hcs137g07	10957	PNRC1	0.384551	1.10429	11.9558	11.7909	1.12106
1	hcs137g08	7508	XPC	0.921004	0.112067	11.2192	11.241	0.98498
3	hcs137g08	7508	XPC	0.587931	0.639579	11.4413	11.2943	1.10726
5	hcs137g08	7508	XPC	0.558438	-0.69599	11.0098	11.1241	-1.08245
7	hcs137g08	7508	XPC	0.0919787	-3.06532	10.9508	11.0589	-1.07783
1	hcs137g10	85004	RERG	0.358693	1.18202	11.3923	11.6171	0.855734
3	hcs137g10	85004	RERG	0.94949	-0.0715229	11.9828	11.9905	-1.0054
5	hcs137g10	85004	RERG	0.0381202	-4.97418	11.4685	11.5904	-1.08817
7	hcs137g10	85004	RERG	0.64665	0.534172	11.4582	11.4392	1.0133
1	hcs137g11	51073	MRPL4	0.624195	0.573507	12.0512	12.1435	0.938048

3	hcs137g11	51073	MRPL4	0.58093	0.652736	12.6149	12.5291	1.06128
5	hcs137g11	51073	MRPL4	0.981625	-0.0259911	12.3089	12.3134	-1.00315
7	hcs137g11	51073	MRPL4	0.392781	-1.0808	12.053	12.1161	-1.04471
1	hcs137g12	5768	QSOX1	0.352056	1.20303	10.7939	11.1017	0.807892
3	hcs137g12	5768	QSOX1	0.474367	-0.873806	11.1759	11.2372	-1.04345
5	hcs137g12	5768	QSOX1	0.858964	0.201469	10.9614	10.9223	1.0275
7	hcs137g12	5768	QSOX1	0.789322	-0.304784	10.7725	10.7771	-1.00322
1	hcs137h03	10897	YIF1A	0.0974214	2.96484	11.0895	11.4316	0.788911
3	hcs137h03	10897	YIF1A	0.596465	0.623723	11.3591	11.2313	1.09265
5	hcs137h03	10897	YIF1A	0.9421	-0.0820207	11.4391	11.4438	-1.00322
7	hcs137h03	10897	YIF1A	0.332236	1.26867	11.2575	11.0279	1.17254
1	hcs137h04	35	ACADS	0.266423	1.52652	9.71512	10.0952	0.7684
3	hcs137h04	35	ACADS	0.271921	-1.50207	10.2233	10.5089	-1.21893
5	hcs137h04	35	ACADS	0.482169	0.856036	10.1785	9.99172	1.1382
7	hcs137h04	35	ACADS	0.194708	-1.92089	10.0624	10.2028	-1.10219
1	hcs137h06	6187	RPS2	0.23741	1.66717	10.2059	10.3904	0.879934
3	hcs137h06	6187	RPS2	0.677463	-0.48189	10.3889	10.5893	-1.14902
5	hcs137h06	6187	RPS2	0.248641	1.61023	10.5027	10.1883	1.24352
7	hcs137h06	6187	RPS2	0.463661	-0.898691	10.0697	10.1691	-1.07135
1	hcs137h10	5190	PEX6	0.0390053	4.91401	10.2388	10.4693	0.852363
3	hcs137h10	5190	PEX6	0.585134	-0.644818	10.2329	10.5273	-1.22639
5	hcs137h10	5190	PEX6	0.661623	0.508535	10.4587	10.3837	1.05331
7	hcs137h10	5190	PEX6	0.352807	1.20063	10.3399	10.1001	1.18086
1	hcs137h11	7884	SLBP	0.495671	-0.825963	12.252	12.0962	1.11406
3	hcs137h11	7884	SLBP	0.436623	0.964338	12.0066	11.7931	1.1595
5	hcs137h11	7884	SLBP	0.0405112	4.81611	12.4126	11.9487	1.3793
7	hcs137h11	7884	SLBP	0.022265	6.58932	12.1919	11.929	1.19989
1	hcs137h12	2687	GGT5	0.23577	1.67578	12.7112	12.861	0.901375
3	hcs137h12	2687	GGT5	0.512005	0.790665	12.7256	12.5457	1.13281
5	hcs137h12	2687	GGT5	0.418502	1.01084	12.9971	12.8187	1.1316
7	hcs137h12	2687	GGT5	0.0752482	-3.43641	12.4271	12.6257	-1.14761
3	hcs138a03	56931	DUS3L	0.473613	0.87554	10.1966	9.97362	1.16717
5	hcs138a04	4681	NBL1	0.268772	1.516	9.7715	9.49744	1.20921
7	hcs138a04	4681	NBL1	0.718147	0.415444	9.21936	9.1946	1.01731
1	hcs138a05	56994	CHPT1	0.573012	-0.667787	10.1927	10.065	1.09253
3	hcs138a05	56994	CHPT1	0.131344	2.47967	10.4708	10.1079	1.28601
5	hcs138a05	56994	CHPT1	0.898002	-0.145003	9.95492	9.97742	-1.01572
7	hcs138a05	56994	CHPT1	0.153129	-2.25208	9.83272	10.0476	-1.16062
5	hcs138a10	?	?	0.881148	0.169281	8.8402	8.815	1.01762
1	hcs138a12	949	SCARB1	0.422518	1.00034	13.0269	13.2131	0.878938
3	hcs138a12	949	SCARB1	0.121985	-2.59426	12.7041	12.818	-1.08217
5	hcs138a12	949	SCARB1	0.535976	0.740813	13.1145	13.0779	1.02569
7	hcs138a12	949	SCARB1	0.373132	-1.13785	12.4441	12.7423	-1.22967
1	hcs138b01	?	?	0.515569	-0.783111	9.89964	9.71266	1.13838
3	hcs138b01	?	?	0.226262	1.72726	9.81162	9.54642	1.2018
5	hcs138b01	?	?	0.292343	1.41642	9.97191	9.91158	1.0427
1	hcs138b02	84901	NFATC2IP	0.0152276	-8.01086	9.99323	9.54262	1.36661

3	hcs138b02	84901	NFATC2IP	0.627724	0.567251	10.1935	10.1299	1.04509
5	hcs138b02	84901	NFATC2IP	0.315087	1.32937	10.1041	9.85367	1.18958
1	hcs138b03	3326	HSP90AB1	0.321659	-1.30564	12.403	12.3042	1.07088
3	hcs138b03	3326	HSP90AB1	0.0597642	3.90485	12.2416	12.1144	1.0922
5	hcs138b03	3326	HSP90AB1	0.894874	0.149498	12.5175	12.507	1.0073
7	hcs138b03	3326	HSP90AB1	0.473037	-0.876867	11.9782	12.2432	-1.20166
1	hcs138b04	387647	LOC3876470	0.535165	-0.742464	9.99465	9.38827	1.52244
3	hcs138b04	387647	LOC3876470	0.282264	-1.45772	9.59644	10.0853	-1.40329
5	hcs138b04	387647	LOC3876470	0.507874	0.799485	9.85344	9.77556	1.05547
7	hcs138b04	387647	LOC3876470	0.422263	1.00101	9.4966	9.16898	1.25494
1	hcs138b05	10277	UBE4B	0.460485	-0.906189	9.88065	9.41186	1.38395
3	hcs138b05	10277	UBE4B	0.794438	0.297052	10.0494	9.93481	1.08264
5	hcs138b05	10277	UBE4B	0.303569	1.37245	9.97105	9.52469	1.36259
7	hcs138b05	10277	UBE4B	0.0256453	6.12372	10.0358	9.74257	1.22535
1	hcs138b08	6598	SMARCB1	0.875154	0.177951	10.1072	10.1356	0.980493
3	hcs138b08	6598	SMARCB1	0.948813	-0.0724844	10.2136	10.2522	-1.02708
5	hcs138b08	6598	SMARCB1	0.19048	1.95001	10.5756	9.96872	1.523
7	hcs138b08	6598	SMARCB1	0.450253	0.93072	9.98116	9.88296	1.07044
1	hcs138b09	?	?	0.421316	1.00347	9.71994	10.0122	0.816594
3	hcs138b09	?	?	0.743127	-0.375886	9.98517	10.1764	-1.14171
5	hcs138b09	?	?	0.225358	1.7323	10.3073	9.91133	1.3158
7	hcs138b09	?	?	0.276032	1.48419	9.88263	9.69997	1.13497
5	hcs138b10	7168	TPM1	0.652189	-0.524634	9.21187	9.47261	-1.19809
1	hcs138b11	975	CD81	0.439515	0.957111	11.7836	11.8815	0.934392
3	hcs138b11	975	CD81	0.620261	0.580516	11.5899	11.4733	1.08415
5	hcs138b11	975	CD81	0.0692455	3.5999	12.1451	11.991	1.11275
7	hcs138b11	975	CD81	0.838576	-0.231321	11.624	11.66	-1.02527
1	hcs138b12	3837	KPNB1	0.0640403	-3.75922	10.7449	10.3954	1.27414
3	hcs138b12	3837	KPNB1	0.737146	0.38528	10.7713	10.6488	1.08863
5	hcs138b12	3837	KPNB1	0.984318	-0.0221804	10.3875	10.3925	-1.00348
1	hcs138c02	2314	FLII	0.45313	0.923764	10.6614	10.9274	0.831603
3	hcs138c02	2314	FLII	0.977404	0.0319643	10.7315	10.7178	1.00956
5	hcs138c02	2314	FLII	0.353727	1.19769	11.2058	10.8216	1.30511
7	hcs138c02	2314	FLII	0.812448	-0.27003	10.6451	10.7039	-1.04157
1	hcs138c03	10493	VAT1	0.749272	0.366282	11.3517	11.5022	0.900959
3	hcs138c03	10493	VAT1	0.230246	1.70535	11.772	11.0342	1.66763
5	hcs138c03	10493	VAT1	0.15038	2.27826	12.1201	11.3055	1.75873
7	hcs138c03	10493	VAT1	0.0704715	3.56488	11.7609	11.0998	1.58132
1	hcs138c04	4313	MMP2	0.0039261	15.9124	9.5858	10.2376	0.636499
3	hcs138c04	4313	MMP2	0.307355	-1.35807	10.4177	10.7076	-1.22254
5	hcs138c04	4313	MMP2	0.701552	-0.442223	10.4147	10.4319	-1.01197
7	hcs138c04	4313	MMP2	0.315994	1.32606	9.96292	9.82349	1.10147
3	hcs138c05	?	?	0.642973	-0.540538	10.1814	10.2778	-1.06911
1	hcs138c07	5724	PTAFR	0.187623	-1.97018	10.3357	10.1602	1.12933
3	hcs138c07	5724	PTAFR	0.408515	1.03742	10.495	10.2142	1.21489
5	hcs138c07	5724	PTAFR	0.101303	2.89793	10.6208	10.1625	1.3739
7	hcs138c07	5724	PTAFR	0.691159	0.459216	10.1548	10.0492	1.07598



1	hcs138c08	29088	MRPL15	0.375966	-1.12941	10.4609	9.4694	1.98825
3	hcs138c08	29088	MRPL15	0.567646	-0.678094	9.93618	10.2955	-1.28283
5	hcs138c08	29088	MRPL15	0.224229	1.73864	10.219	9.89695	1.25013
7	hcs138c08	29088	MRPL15	0.882404	-0.167467	9.62526	9.65014	-1.0174
5	hcs138c11	?	?	0.780068	-0.318837	8.85516	8.89275	-1.0264
1	hcs138c12	?	?	0.447887	0.936476	10.1697	10.5682	0.75867
3	hcs138c12	?	?	0.722937	0.407791	10.7158	10.6136	1.07335
5	hcs138c12	?	?	0.504206	0.807378	10.6815	10.5342	1.10746
7	hcs138c12	?	?	0.767614	-0.337894	10.3656	10.387	-1.01495
1	hcs138d01	?	?	0.423463	-0.99789	9.76089	9.37194	1.30944
5	hcs138d01	?	?	0.97061	0.041581	9.5199	9.51429	1.0039
7	hcs138d01	?	?	0.488954	0.840817	9.72159	9.5985	1.08906
1	hcs138d02	4502	MT2A	0.728586	0.398808	12.6059	12.6751	0.953166
3	hcs138d02	4502	MT2A	0.0196312	-7.03166	11.7763	12.6874	-1.88039
5	hcs138d02	4502	MT2A	0.0981484	-2.95203	11.7955	12.8423	-2.06599
7	hcs138d02	4502	MT2A	0.0316736	-5.48454	11.1757	12.8376	-3.1644
5	hcs138d03	631	BFSP1	0.563205	0.686691	9.12403	9.00045	1.08944
1	hcs138d06	6143	RPL19	0.640102	0.545527	13.2999	13.3201	0.986119
3	hcs138d06	6143	RPL19	0.730752	-0.395375	13.0149	13.0769	-1.04394
5	hcs138d06	6143	RPL19	0.954677	-0.0641628	13.2962	13.3021	-1.00412
7	hcs138d06	6143	RPL19	0.8795	-0.171664	13.1461	13.167	-1.01457
3	hcs138d07	2863	GPR39	0.899373	0.143034	9.59174	9.55896	1.02298
5	hcs138d07	2863	GPR39	0.658369	0.514069	9.16896	9.01029	1.11626
1	hcs138d10	9547	CXCL14	0.335371	-1.25798	10.2902	10.0304	1.1973
3	hcs138d10	9547	CXCL14	0.218065	-1.77397	10.3433	10.4597	-1.084
5	hcs138d10	9547	CXCL14	0.529681	0.753693	10.1833	10.1571	1.01832
7	hcs138d10	9547	CXCL14	0.589448	-0.636745	9.44287	9.5446	-1.07306
5	hcs138d11	170506	DHX36	0.754002	-0.358923	9.67105	9.74207	-1.05046
1	hcs138e03	6203	RPS9	0.755034	-0.357322	12.4454	12.4008	1.03137
3	hcs138e03	6203	RPS9	0.433043	0.973355	11.9094	11.7478	1.1185
5	hcs138e03	6203	RPS9	0.769222	-0.335423	12.1058	12.1786	-1.05173
7	hcs138e03	6203	RPS9	0.173838	-2.07366	11.338	11.7366	-1.31829
5	hcs138e04	1545	CYP1B1	0.473981	-0.874693	9.89473	10.5202	-1.54274
7	hcs138e04	1545	CYP1B1	0.187411	-1.97169	9.44285	9.8205	-1.29922
1	hcs138e05	5306	PITPNA	0.0829056	-3.25324	10.2841	9.81335	1.38583
3	hcs138e05	5306	PITPNA	0.0475047	4.42298	10.3637	9.93311	1.3478
5	hcs138e05	5306	PITPNA	0.130928	2.48452	10.2843	9.91027	1.29596
1	hcs138e09	29952	DPP7	0.831486	-0.241772	9.69557	9.6806	1.01043
3	hcs138e09	29952	DPP7	0.887999	0.159396	10.4282	10.4045	1.01661
5	hcs138e09	29952	DPP7	0.13946	2.38914	9.87827	9.79883	1.05661
7	hcs138e09	29952	DPP7	0.0408519	-4.79469	9.46264	9.62493	-1.11906
1	hcs138f04	10965	ACOT2	0.283756	-1.45149	9.81846	9.60897	1.15628
3	hcs138f04	10965	ACOT2	0.423056	0.998944	10.2506	9.98783	1.1998
5	hcs138f04	10965	ACOT2	0.259109	1.56006	10.0147	9.83524	1.13244
7	hcs138f04	10965	ACOT2	0.618041	0.584487	9.7337	9.55878	1.1289
1	hcs138f05	26227	PHGDH	0.119634	-2.62501	10.9901	10.5445	1.36188
3	hcs138f05	26227	PHGDH	0.125703	2.54731	10.9235	10.8436	1.05697

5	hcs138f05	26227	PHGDH	0.573163	-0.6675	10.7219	10.795	-1.05195
7	hcs138f05	26227	PHGDH	0.358844	-1.18155	10.1894	10.3067	-1.08468
1	hcs138f06	10522	DEAF1	0.472976	0.877006	9.93825	10.1041	0.891389
3	hcs138f06	10522	DEAF1	0.889527	0.157194	10.1135	10.0724	1.02893
5	hcs138f06	10522	DEAF1	0.771695	0.33163	9.85933	9.80951	1.03513
5	hcs138f07	5308	PITX2	0.421676	1.00253	9.19978	8.90307	1.22834
1	hcs138f08	26156	RSL1D1	0.586425	0.642398	10.0141	10.109	0.936361
3	hcs138f08	26156	RSL1D1	0.561819	-0.689387	10.5496	10.5783	-1.02009
5	hcs138f08	26156	RSL1D1	0.995215	-0.0067668	10.2966	10.2971	-1.00036
7	hcs138f08	26156	RSL1D1	0.348988	-1.2129	9.61476	9.9085	-1.22581
1	hcs138f09	6749	SSRP1	0.671899	0.491195	9.72464	9.93502	0.864312
3	hcs138f09	6749	SSRP1	0.198758	-1.89378	9.80592	10.4114	-1.52152
5	hcs138f09	6749	SSRP1	0.384485	1.10448	10.2858	9.8085	1.39211
7	hcs138f09	6749	SSRP1	0.015504	-7.93746	9.8128	9.95132	-1.10078
1	hcs138f11	?	?	0.330555	1.27445	9.66172	9.76834	0.92876
3	hcs138f11	?	?	0.68928	0.462308	9.99337	9.89398	1.07132
5	hcs138f11	?	?	0.706267	0.434571	9.77841	9.73998	1.02699
1	hcs138f12	4628	MYH10	0.842274	0.225885	9.69125	9.74356	0.964393
3	hcs138f12	4628	MYH10	0.381514	1.1131	9.97014	9.83025	1.10182
5	hcs138f12	4628	MYH10	0.444733	-0.944202	9.60282	9.78469	-1.13435
1	hcs138g05	6389	SDHA	0.529164	0.754758	10.836	10.9222	0.942001
3	hcs138g05	6389	SDHA	0.666439	-0.500384	10.662	10.7478	-1.06123
5	hcs138g05	6389	SDHA	0.142254	2.35965	11.3208	10.8589	1.37739
7	hcs138g05	6389	SDHA	0.620752	0.579639	10.8884	10.768	1.08701
1	hcs138g06	5879	RAC1	0.891563	0.154263	11.1103	11.139	0.980281
3	hcs138g06	5879	RAC1	0.570879	0.671874	11.1729	11.0381	1.09797
5	hcs138g06	5879	RAC1	0.253944	1.58448	11.4208	11.0664	1.27842
7	hcs138g06	5879	RAC1	0.847107	-0.218795	11.0045	11.0426	-1.02681
1	hcs138g07	5501	PPP1CC	0.402368	1.05414	10.0667	10.6279	0.677754
5	hcs138g07	5501	PPP1CC	0.996772	0.0045647	10.609	10.608	1.00075
7	hcs138g07	5501	PPP1CC	0.688552	-0.463508	10.4042	10.5234	-1.08617
1	hcs138g10	55362	TMEM63B	0.913336	-0.123024	9.88525	9.86868	1.01155
3	hcs138g10	55362	TMEM63B	0.929291	-0.100249	9.95696	9.97788	-1.0146
5	hcs138g10	55362	TMEM63B	0.332067	1.26925	10.1768	10.0347	1.10344
7	hcs138g10	55362	TMEM63B	0.12655	2.53689	9.80192	9.58221	1.1645
5	hcs138g11	3572	IL6ST	0.94395	0.079391	10.1507	10.1269	1.01659
1	hcs138g12	10099	TSPAN3	0.137268	2.41285	11.2279	11.5184	0.8176
3	hcs138g12	10099	TSPAN3	0.162215	-2.16997	11.1602	11.3554	-1.14486
5	hcs138g12	10099	TSPAN3	0.0620934	3.82371	11.8556	11.5856	1.20575
7	hcs138g12	10099	TSPAN3	0.45298	-0.924124	11.3404	11.5251	-1.13661
1	hcs138h01	79443	FYCO1	0.983556	-0.0232589	9.44989	9.44708	1.00195
5	hcs138h01	79443	FYCO1	0.465195	0.895088	9.54187	9.29787	1.18427
7	hcs138h01	79443	FYCO1	0.321014	1.30795	9.52393	9.34316	1.13349
5	hcs138h02	9988	DMTF1	0.408656	-1.03704	10.4839	10.972	-1.40257
5	hcs138h05	1287	COL4A5	0.617386	-0.585663	10.6144	10.9404	-1.25357
1	hcs138h06	4692	NDN	0.704794	-0.436958	10.1303	10.0718	1.04139
5	hcs138h06	4692	NDN	0.649203	0.529768	10.2829	10.1655	1.08475

1	hcs138h07			0.240152	1.65295	9.94315	9.9737	0.979047
3	hcs138h07			0.468177	-0.888122	10.079	10.2876	-1.15554
5	hcs138h07			0.700855	0.443358	9.74798	9.60995	1.1004
5	hcs138h08	114822	RHPN1	0.640117	0.545501	10.0599	9.89596	1.12037
7	hcs138h08	114822	RHPN1	0.405392	1.04588	9.94037	9.86921	1.05056
5	hcs138h11	5495	PPM1B	0.582845	-0.649123	9.74754	9.87806	-1.09469
1	hcs138h12	5700	PSMC1	0.908609	-0.12979	10.4886	10.4782	1.00723
3	hcs138h12	5700	PSMC1	0.825312	-0.250903	10.2597	10.3698	-1.0793
5	hcs138h12	5700	PSMC1	0.0055506	13.3664	10.6021	10.3684	1.17582
7	hcs138h12	5700	PSMC1	0.76248	0.345801	10.2752	10.194	1.05791
5	hcs139a01	29116	MYLIP	0.451479	-0.92775	10.0943	10.5312	-1.35369
1	hcs139a02	4240	MFGE8	0.652016	-0.524931	9.64279	9.53176	1.08
3	hcs139a02	4240	MFGE8	0.449732	-0.931985	9.98899	10.1451	-1.11428
5	hcs139a02	4240	MFGE8	0.100737	2.90747	10.2663	9.86811	1.3179
7	hcs139a02	4240	MFGE8	0.212522	1.80689	9.94213	9.69029	1.19072
3	hcs139a05	4774	NFIA	0.360803	-1.17544	11.2011	11.2947	-1.067
5	hcs139a05	4774	NFIA	0.221702	-1.75297	10.9529	11.0933	-1.10221
7	hcs139a05	4774	NFIA	0.0452225	4.54142	11.0378	10.8498	1.13918
1	hcs139a11	6050	RNH1	0.205597	1.84964	10.9239	11.4261	0.706013
3	hcs139a11	6050	RNH1	0.462099	0.902372	11.4281	11.1342	1.22592
5	hcs139a11	6050	RNH1	0.0171103	7.54644	11.858	11.4084	1.36566
7	hcs139a11	6050	RNH1	0.124336	2.56434	11.3467	11.1018	1.18496
1	hcs139a12	55827	DCAF6	0.229746	1.70808	10.6147	11.0311	0.749292
3	hcs139a12	55827	DCAF6	0.819136	0.260069	10.5925	10.4842	1.078
5	hcs139a12	55827	DCAF6	0.0046590	14.5992	11.0829	10.4087	1.59567
7	hcs139a12	55827	DCAF6	0.0638197	3.76638	10.8969	10.2619	1.55301
1	hcs139b02	?	?	0.0654703	-3.71363	9.81845	9.67558	1.1041
3	hcs139b02	?	?	0.947663	-0.0741174	10.0782	10.0888	-1.00731
7	hcs139b02	?	?	0.112809	2.71927	9.63378	9.46097	1.12725
3	hcs139b03	989	SEPT7	0.807469	-0.277471	10.4014	10.4688	-1.04787
5	hcs139b03	989	SEPT7	0.463325	0.899482	11.1263	10.9131	1.1592
1	hcs139b04	6122	RPL3	0.841935	0.226383	13.9547	14.006	0.965088
3	hcs139b04	6122	RPL3	0.8565	-0.205062	13.6108	13.647	-1.02541
5	hcs139b04	6122	RPL3	0.74731	-0.369344	14.0916	14.1803	-1.06344
7	hcs139b04	6122	RPL3	0.280246	-1.46621	13.6539	14.0419	-1.30852
1	hcs139b05	5719	PSMD13	0.251439	-1.59656	10.589	10.324	1.20166
3	hcs139b05	5719	PSMD13	0.477463	0.866719	10.7684	10.6089	1.1169
5	hcs139b05	5719	PSMD13	0.212687	1.80589	10.6299	10.3898	1.1811
7	hcs139b05	5719	PSMD13	0.212412	1.80755	10.2194	10.074	1.10603
5	hcs139b06	8225	GTPBP6	0.0369264	-5.05869	9.59616	9.63394	-1.02653
1	hcs139b07	4515	MTCP1	0.65554	-0.518895	9.52853	9.26974	1.19648
1	hcs139b11	8613	PPAP2B	0.15643	-2.2215	10.3404	10.0739	1.20285
5	hcs139b11	8613	PPAP2B	0.0298443	-5.65817	9.37903	9.67128	-1.22455
1	hcs139c01	333	APLP1	0.538319	0.736055	10.4121	10.5309	0.92093
3	hcs139c01	333	APLP1	0.502702	0.810629	10.7237	10.5647	1.11656
5	hcs139c01	333	APLP1	0.224382	-1.73778	10.4349	10.6771	-1.18274
7	hcs139c01	333	APLP1	0.617476	-0.5855	9.67083	9.85977	-1.13993

1	hcs139c02	1537	CYC1	0.0357751	-5.14407	10.1616	9.94851	1.15917
3	hcs139c02	1537	CYC1	0.711944	0.425405	10.5513	10.5188	1.02274
5	hcs139c02	1537	CYC1	0.0790159	-3.34309	10.4373	10.5523	-1.08302
1	hcs139c05	22883	CLSTN1	0.217387	1.77794	11.1833	11.4525	0.82976
3	hcs139c05	22883	CLSTN1	0.173553	2.07592	11.5268	11.2812	1.18553
5	hcs139c05	22883	CLSTN1	0.16775	2.12297	11.879	11.4843	1.3147
7	hcs139c05	22883	CLSTN1	0.134317	2.44562	11.4517	11.1276	1.25188
5	hcs139c07	1859	DYRK1A	0.272514	1.49947	9.83474	9.43256	1.3215
1	hcs139c08	54502	RBM47	0.772322	0.33067	9.52501	9.74882	0.856303
3	hcs139c08	54502	RBM47	0.906481	0.132838	9.96612	9.90944	1.04007
5	hcs139c08	54502	RBM47	0.33907	1.24552	9.8412	9.32993	1.4253
1	hcs139c10	1186	CLCN7	0.408935	-1.03629	9.96949	9.6926	1.21158
3	hcs139c10	1186	CLCN7	0.942899	0.080885	10.1846	10.1669	1.01233
5	hcs139c10	1186	CLCN7	0.341202	1.23841	9.95574	9.71861	1.17865
1	hcs139d01	120	ADD3	0.35292	-1.20027	9.36261	9.0654	1.22876
5	hcs139d01	120	ADD3	0.708541	0.430893	9.55385	9.42997	1.08966
7	hcs139d01	120	ADD3	0.363742	-1.16634	9.12425	9.43662	-1.24175
1	hcs139d03	?	?	0.477553	-0.866514	9.92172	9.74291	1.13195
5	hcs139d03	?	?	0.42915	-0.983252	10.3238	10.5248	-1.14948
1	hcs139d04	26999	CYFIP2	0.755081	0.357248	10.2987	10.3822	0.943746
3	hcs139d04	26999	CYFIP2	0.257112	1.56943	10.718	10.4819	1.1778
5	hcs139d04	26999	CYFIP2	0.0629381	3.79538	11.0691	10.3624	1.6321
7	hcs139d04	26999	CYFIP2	0.0125633	8.83741	10.6358	10.2814	1.27841
1	hcs139d11	3636	INPPL1	0.276448	-1.4824	10.1235	9.5882	1.44924
3	hcs139d11	3636	INPPL1	0.852457	-0.210967	9.86192	9.89026	-1.01984
5	hcs139d11	3636	INPPL1	0.309629	1.34954	10.069	9.69518	1.2958
7	hcs139d11	3636	INPPL1	0.0523625	4.19655	9.65079	9.29103	1.28321
5	hcs139d12	?	?	0.853238	-0.209825	8.98465	9.0357	-1.03602
1	hcs139e03	9673	SLC25A44	0.850728	-0.213494	10.0483	10.0014	1.03307
5	hcs139e03	9673	SLC25A44	0.116449	2.66803	10.2725	9.75745	1.42904
7	hcs139e03	9673	SLC25A44	0.0127506	8.77103	10.1688	9.74123	1.34498
5	hcs139e05	1298	COL9A2	0.383258	1.10803	9.99642	9.62059	1.29758
7	hcs139e05	1298	COL9A2	0.453596	-0.922641	9.45223	9.80924	-1.28077
1	hcs139e10	9590	AKAP12	0.277968	1.47589	9.50903	10.0158	0.703818
3	hcs139e10	9590	AKAP12	0.954729	-0.0640883	10.1634	10.1824	-1.01325
5	hcs139e10	9590	AKAP12	0.124327	2.56446	10.056	9.83815	1.16298
1	hcs139f01	9817	KEAP1	0.348755	-1.21365	9.84395	9.62946	1.16029
3	hcs139f01	9817	KEAP1	0.955036	0.0636537	9.57909	9.54468	1.02414
5	hcs139f01	9817	KEAP1	0.0974331	2.96463	9.91264	9.68309	1.17247
7	hcs139f01	9817	KEAP1	0.592684	0.630724	9.83103	9.57171	1.19691
1	hcs139f04	8079	MLF2	0.849946	-0.214639	11.306	11.2672	1.02726
3	hcs139f04	8079	MLF2	0.282341	1.4574	11.3782	11.0713	1.23705
5	hcs139f04	8079	MLF2	0.0356178	5.15606	11.6761	11.2545	1.33938
7	hcs139f04	8079	MLF2	0.250507	1.60109	11.1236	11.0104	1.08162
1	hcs139f08	1453	CSNK1D	0.650182	-0.528084	9.89512	9.74159	1.11229
3	hcs139f08	1453	CSNK1D	0.919719	-0.113902	10.0186	10.062	-1.03054
5	hcs139f08	1453	CSNK1D	0.104265	2.84929	10.2208	9.82076	1.31954

7	hcs139f08	1453	CSNK1D	0.0559821	4.04688	9.69921	9.61199	1.06233
1	hcs139f09	1297	COL9A1	0.428728	-0.984331	10.5022	10.443	1.04186
3	hcs139f09	1297	COL9A1	0.871429	-0.183348	10.3126	10.3804	-1.04809
5	hcs139f09	1297	COL9A1	0.254573	1.58148	10.6862	10.408	1.21272
7	hcs139f09	1297	COL9A1	0.265862	1.52906	10.3902	10.1411	1.18844
3	hcs139f12	23587	C17orf81	0.292368	-1.41632	9.53289	9.67741	-1.10537
5	hcs139f12	23587	C17orf81	0.00814631	-11.0116	9.53983	9.71137	-1.12626
7	hcs139f12	23587	C17orf81	0.100551	-2.91062	9.2805	9.40143	-1.08743
1	hcs139g01	9907	KIAA0415	0.879217	-0.172072	10.0456	9.97262	1.05189
3	hcs139g01	9907	KIAA0415	0.814535	-0.266918	10.1318	10.174	-1.02968
5	hcs139g01	9907	KIAA0415	0.947917	-0.0737572	10.4127	10.4286	-1.0111
1	hcs139g03	25870	SUMF2	0.260403	1.55404	10.3764	10.6369	0.834779
3	hcs139g03	25870	SUMF2	0.944536	0.078559	10.9083	10.8958	1.00873
5	hcs139g03	25870	SUMF2	0.164239	2.15254	11.0452	10.6738	1.29364
7	hcs139g03	25870	SUMF2	0.641265	0.543503	10.3499	10.2811	1.04884
1	hcs139g04	1200	TPP1	0.271064	1.50584	10.9926	11.3752	0.767054
3	hcs139g04	1200	TPP1	0.159885	2.19042	11.8426	11.3902	1.36835
5	hcs139g04	1200	TPP1	0.0215212	6.70606	11.957	11.3185	1.55675
7	hcs139g04	1200	TPP1	0.437137	0.96305	11.4368	11.1101	1.25411
1	hcs139g05	7049	TGFBR3	0.542361	-0.727894	10.0458	9.60039	1.3617
3	hcs139g05	7049	TGFBR3	0.104581	-2.84422	9.86115	10.2523	-1.31147
5	hcs139g05	7049	TGFBR3	0.529359	0.754355	10.0529	9.83475	1.16328
7	hcs139g05	7049	TGFBR3	0.829974	-0.244006	9.77561	9.8348	-1.04188
1	hcs139g06	6484	ST3GAL4	0.977507	-0.0318173	10.2425	10.2385	1.0028
3	hcs139g06	6484	ST3GAL4	0.791921	0.300853	10.7728	10.675	1.07008
5	hcs139g06	6484	ST3GAL4	0.280992	-1.46306	10.1544	10.2193	-1.04602
7	hcs139g06	6484	ST3GAL4	0.0929456	3.04686	9.84982	9.65126	1.14755
1	hcs139g07	10131	TRAP1	0.438478	0.959696	10.1529	10.2651	0.925153
3	hcs139g07	10131	TRAP1	0.192678	-1.93477	10.427	10.6674	-1.18133
5	hcs139g07	10131	TRAP1	0.233969	-1.68532	10.108	10.2752	-1.12286
7	hcs139g07	10131	TRAP1	0.053076	-4.16588	9.49581	9.93501	-1.35585
1	hcs139g09	10955	SERINC3	0.279274	1.47033	10.0083	10.1717	0.892908
3	hcs139g09	10955	SERINC3	0.141075	2.372	10.7857	10.4668	1.24738
5	hcs139g09	10955	SERINC3	0.00673891	12.12	10.903	10.4568	1.36238
7	hcs139g09	10955	SERINC3	0.456632	0.915358	10.1766	9.90304	1.20879
5	hcs139g10	219743	TYSND1	0.544654	0.72329	9.56516	9.17095	1.31423
7	hcs139g10	219743	TYSND1	0.337005	1.25245	9.60867	9.41751	1.14168
1	hcs139g11	58190	CTDSP1	0.888845	-0.158177	10.2104	10.1774	1.02314
3	hcs139g11	58190	CTDSP1	0.593054	0.630037	10.4899	10.2638	1.16969
5	hcs139g11	58190	CTDSP1	0.06014	3.89145	10.6284	10.091	1.45134
7	hcs139g11	58190	CTDSP1	0.00055251	42.5225	10.0852	9.83947	1.18568
1	hcs139h01	3014	H2AFX	0.680022	-0.477628	9.7351	9.59905	1.09889
5	hcs139h01	3014	H2AFX	0.935533	0.0913609	9.87479	9.85298	1.01523
7	hcs139h01	3014	H2AFX	0.606456	-0.605409	9.49634	9.6744	-1.13136
5	hcs139h02	54538	ROBO4	0.0351549	5.19177	9.72714	9.17842	1.46278
7	hcs139h02	54538	ROBO4	0.350966	1.20652	9.43865	9.27407	1.12083
1	hcs139h03	9812	KIAA0141	0.764003	-0.343451	9.48442	9.43919	1.03185

3	hcs139h03	9812	KIAA0141	0.0357958	-5.14251	9.87654	10.6413	-1.69904
5	hcs139h03	9812	KIAA0141	0.157678	2.21016	9.7518	9.56652	1.13704
7	hcs139h03	9812	KIAA0141	0.212386	-1.80771	9.59976	9.70758	-1.07759
1	hcs139h04			0.393875	1.07773	9.30706	9.74097	0.740253
3	hcs139h04			0.114093	-2.70093	9.53887	10.1391	-1.51591
5	hcs139h04			0.438937	-0.958551	9.37156	9.55136	-1.13273
7	hcs139h04			0.4203	-1.00612	9.59693	9.66763	-1.05023
1	hcs139h05	4809	NHP2L1	0.120623	2.61197	10.9321	11.1014	0.889253
3	hcs139h05	4809	NHP2L1	0.50108	0.814148	11.3025	11.1421	1.1176
5	hcs139h05	4809	NHP2L1	0.179607	2.02905	11.3183	11.0037	1.24364
7	hcs139h05	4809	NHP2L1	0.791636	0.301285	11.0516	10.9957	1.03956
1	hcs139h06	6827	SUPT4H1	0.255251	-1.57824	9.9588	9.85077	1.07775
3	hcs139h06	6827	SUPT4H1	0.992524	-0.0105728	10.0487	10.0513	-1.00179
5	hcs139h06	6827	SUPT4H1	0.0439366	4.61208	9.80512	9.35132	1.36964
1	hcs139h09			0.195423	1.91605	10.341	10.9853	0.639788
3	hcs139h09			0.449186	-0.933313	10.6138	10.8303	-1.16194
5	hcs139h09			0.861372	-0.197961	10.9676	11.0065	-1.02733
7	hcs139h09			0.213846	-1.79892	10.5851	10.8814	-1.22796
1	hcs139h10	10263	CDK2AP2	0.119669	2.62454	9.70024	10.2551	0.680717
3	hcs139h10	10263	CDK2AP2	0.90379	0.136695	10.3069	10.2291	1.05544
5	hcs139h10	10263	CDK2AP2	0.21665	1.78227	10.5513	10.2596	1.22403
7	hcs139h10	10263	CDK2AP2	0.0483938	4.37907	10.2031	9.91674	1.21955
5	hcs139h11			0.418618	1.01053	9.3341	9.07112	1.19996
1	hcs139h12	375790	AGRN	0.12864	2.51157	9.96137	10.335	0.771863
3	hcs139h12	375790	AGRN	0.361272	1.17398	10.4485	10.1337	1.24387
5	hcs139h12	375790	AGRN	0.130918	2.48463	10.8394	10.2954	1.45798
7	hcs139h12	375790	AGRN	0.12338	2.57641	10.2847	9.91871	1.28874
1	hcs140a01	221927	C7orf27	0.351622	1.20442	10.1212	10.1769	0.962098
3	hcs140a01	221927	C7orf27	0.072839	3.49969	10.4314	9.96439	1.38228
5	hcs140a01	221927	C7orf27	0.41452	1.02135	10.5913	10.347	1.18448
5	hcs140a02	10809	STARD10	0.102804	-2.87303	9.99424	10.1954	-1.14966
1	hcs140a03	1435	CSF1	0.713861	-0.42232	9.96956	9.66443	1.23553
3	hcs140a03	1435	CSF1	0.0242577	6.30318	9.95243	9.82095	1.09542
5	hcs140a03	1435	CSF1	0.29891	1.39045	10.1001	9.64774	1.36829
7	hcs140a03	1435	CSF1	0.245043	1.62811	9.83762	9.4859	1.27608
1	hcs140a04	9368	SLC9A3R1	0.997382	-0.0037024	12.1831	12.1821	1.00067
3	hcs140a04	9368	SLC9A3R1	0.0973498	2.96611	12.8751	12.09	1.72321
5	hcs140a04	9368	SLC9A3R1	0.0259432	6.08706	13.0002	11.9557	2.0626
7	hcs140a04	9368	SLC9A3R1	0.0283182	5.81551	12.8404	12.094	1.67756
1	hcs140a05	8106	PABPN1	0.621895	-0.577601	10.6027	10.571	1.02219
3	hcs140a05	8106	PABPN1	0.176992	2.04903	11.032	10.8457	1.13789
5	hcs140a05	8106	PABPN1	0.473605	-0.87556	10.5068	10.6818	-1.12901
7	hcs140a05	8106	PABPN1	0.0363263	-5.1027	9.73123	10.1475	-1.33451
1	hcs140a06	5496	PPM1G	0.178708	-2.03587	10.8301	10.5188	1.24085
3	hcs140a06	5496	PPM1G	0.536894	0.738947	10.9246	10.7228	1.15011
5	hcs140a06	5496	PPM1G	0.0809369	3.29794	10.8885	10.5522	1.26254
7	hcs140a06	5496	PPM1G	0.216077	1.78565	10.3794	10.1391	1.1812

3	hcs140a08	64748	LPPR2	0.316971	-1.32251	9.54885	10.1908	-1.56044
7	hcs140a08	64748	LPPR2	0.0887414	3.1292	9.93779	9.34453	1.50866
3	hcs140a10	6497	SKI	0.25374	-1.58546	9.3396	10.1132	-1.70951
5	hcs140a10	6497	SKI	0.519647	-0.77453	9.76607	9.8058	-1.02792
7	hcs140a10	6497	SKI	0.845662	0.220914	9.5265	9.48392	1.02995
5	hcs140a11	?	?	0.143074	-2.35115	9.39097	9.76991	-1.30039
1	hcs140a12	91445	RNF185	0.338374	1.24785	9.50133	9.68599	0.879854
3	hcs140a12	91445	RNF185	0.894061	-0.150668	9.61596	9.65993	-1.03094
5	hcs140a12	91445	RNF185	0.50598	0.803552	9.65854	9.52374	1.09794
7	hcs140a12	91445	RNF185	0.641981	-0.542259	9.52916	9.60491	-1.05391
1	hcs140b02	6464	SHC1	0.141079	2.37195	10.769	11.312	0.686326
3	hcs140b02	6464	SHC1	0.92599	-0.104954	11.1211	11.1547	-1.02354
5	hcs140b02	6464	SHC1	0.321359	1.30671	11.3461	11.1785	1.12324
7	hcs140b02	6464	SHC1	0.242032	-1.64333	10.9506	11.2896	-1.26488
1	hcs140b07	26469	PTPN18	0.217031	-1.78003	9.9085	9.73549	1.12741
3	hcs140b07	26469	PTPN18	0.128511	-2.51312	10.1284	10.2417	-1.08167
5	hcs140b07	26469	PTPN18	0.0214984	-6.70973	9.6	9.80572	-1.15326
3	hcs140b08	81888	HYI	0.540131	-0.73239	9.69638	9.77698	-1.05746
5	hcs140b08	81888	HYI	0.0955684	2.99813	9.80793	9.73013	1.05541
7	hcs140b08	81888	HYI	0.869141	-0.186667	9.23898	9.32616	-1.06229
3	hcs140b12	23770	FKBP8	0.236566	-1.6716	9.37311	9.49191	-1.08583
5	hcs140b12	23770	FKBP8	0.729476	0.397397	9.22563	9.13563	1.06437
3	hcs140c02	9943	OXSRI	0.249875	1.60418	10.7179	10.4531	1.20144
5	hcs140c02	9943	OXSRI	0.590049	-0.635626	10.3556	10.6925	-1.26306
1	hcs140c03	10134	BCAP31	0.0365543	5.08585	10.2903	10.8025	0.701175
3	hcs140c03	10134	BCAP31	0.840385	-0.228661	10.8656	10.9209	-1.03913
5	hcs140c03	10134	BCAP31	0.698465	-0.447252	10.7855	10.9143	-1.09342
7	hcs140c03	10134	BCAP31	0.375524	-1.13072	10.1412	10.1916	-1.03555
5	hcs140c07	81490	PTDSS2	0.574836	0.664303	9.37681	9.13271	1.18435
5	hcs140c08	11334	TUSC2	0.461458	0.903887	9.52024	9.19128	1.25611
1	hcs140d02	10295	BCKDK	0.914648	-0.121148	9.65145	9.63212	1.01349
3	hcs140d02	10295	BCKDK	0.233247	-1.68917	9.71225	10.2463	-1.44802
5	hcs140d02	10295	BCKDK	0.253772	1.58531	9.74873	9.66424	1.06031
7	hcs140d02	10295	BCKDK	0.241611	-1.64548	9.47981	9.87555	-1.31562
5	hcs140d03	91582	RPS19BP1	0.226065	1.72836	9.23277	8.93936	1.22553
5	hcs140d05	1455	CSNK1G2	0.955188	0.063437	9.00423	8.98192	1.01558
1	hcs140d07	23705	CADM1	0.53447	-0.743881	9.46026	9.1052	1.27904
3	hcs140d07	23705	CADM1	0.453863	-0.922	9.65711	9.69374	-1.02571
5	hcs140d07	23705	CADM1	0.272796	1.49824	9.77122	9.35274	1.33652
1	hcs140d09	144348	ZNF664	0.957113	0.0607068	10.2563	10.2621	0.995969
3	hcs140d09	144348	ZNF664	0.518622	0.776682	10.3873	10.1988	1.13957
5	hcs140d09	144348	ZNF664	0.0558984	4.05018	10.9084	10.1684	1.67018
7	hcs140d09	144348	ZNF664	0.490433	0.83753	10.3652	10.1537	1.15785
3	hcs140d10			0.12886	-2.50894	9.11968	9.67083	-1.46525
5	hcs140d10			0.776631	-0.324079	9.13839	9.21769	-1.05651
7	hcs140d10			0.312585	-1.33856	9.20499	9.34635	-1.10295
1	hcs140d11	10456	HAX1	0.634201	-0.555841	9.75129	9.6814	1.04964

3	hcs140d11	10456	HAX1	0.6509	-0.526847	9.76775	9.93643	-1.12402
5	hcs140d11	10456	HAX1	0.400707	1.05871	9.96223	9.76432	1.14704
7	hcs140d11	10456	HAX1	0.666787	0.499797	9.58108	9.51936	1.04371
1	hcs140d12	100506451	LOC100506	0.955421	0.0631073	10.3131	10.3219	0.993935
3	hcs140d12	100506451	LOC100506	0.815551	0.265403	10.2896	10.2001	1.06396
5	hcs140d12	100506451	LOC100506	0.456947	0.914605	10.4972	10.3299	1.12295
7	hcs140d12	100506451	LOC100506	0.0022099	-21.2368	9.83657	10.0434	-1.15411
1	hcs140e02	79734	KCTD17	0.662914	0.506346	10.9071	11.0669	0.89517
3	hcs140e02	79734	KCTD17	0.345724	1.22351	11.1957	10.9079	1.22075
5	hcs140e02	79734	KCTD17	0.181309	2.01625	11.4484	11.0247	1.34133
7	hcs140e02	79734	KCTD17	0.862402	-0.196461	10.9035	10.926	-1.01576
1	hcs140e03	2319	FLOT2	0.808351	0.276151	11.7046	11.7657	0.958533
3	hcs140e03	2319	FLOT2	0.663018	0.506171	11.8224	11.6991	1.08922
5	hcs140e03	2319	FLOT2	0.185889	1.98262	12.3111	11.7474	1.47802
7	hcs140e03	2319	FLOT2	0.706492	0.434208	11.8568	11.676	1.13346
1	hcs140e06	440836	ODF3B	0.589503	0.636642	11.3149	11.3684	0.963596
3	hcs140e06	440836	ODF3B	0.818338	0.261256	11.5441	11.5059	1.02678
5	hcs140e06	440836	ODF3B	0.537757	0.737196	11.5934	11.4041	1.14026
7	hcs140e06	440836	ODF3B	0.543178	-0.726254	10.9853	11.1916	-1.15378
1	hcs140e12	10094	ARPC3	0.04735	4.43074	9.84301	10.2584	0.749799
3	hcs140e12	10094	ARPC3	0.306849	-1.35998	10.3069	10.6135	-1.23679
5	hcs140e12	10094	ARPC3	0.0974462	2.9644	10.4537	10.1046	1.27374
7	hcs140e12	10094	ARPC3	0.455958	-0.91697	10.017	10.3356	-1.24709
1	hcs140f02	56005	C19orf10	0.742933	0.37619	10.1961	10.254	0.960681
3	hcs140f02	56005	C19orf10	0.923866	-0.107983	10.1861	10.2181	-1.02248
5	hcs140f02	56005	C19orf10	0.357689	1.18517	10.3141	10.0964	1.16289
7	hcs140f02	56005	C19orf10	0.0244154	6.28204	10.0145	9.89911	1.08325
5	hcs140f03	401400	LOC401400	0.440382	-0.954956	9.31098	9.48936	-1.13161
7	hcs140f03	401400	LOC401400	0.364595	-1.16372	9.18702	9.37381	-1.13823
5	hcs140f04	55205	ZNF532	0.767233	0.33848	9.51492	9.37626	1.10088
7	hcs140f04	55205	ZNF532	0.119748	-2.62349	9.52081	9.66279	-1.10342
1	hcs140f07	?	?	0.471635	-0.880102	13.0334	12.9293	1.07482
3	hcs140f07	?	?	0.344861	1.22633	13.0377	12.9708	1.04746
5	hcs140f07	?	?	0.824793	-0.251673	13.0619	13.1016	-1.02792
7	hcs140f07	?	?	0.559936	-0.69306	12.6739	12.8136	-1.10168
1	hcs140f08	1525	CXADR	0.216557	1.78281	10.7041	11.0441	0.790023
3	hcs140f08	1525	CXADR	0.0606051	3.87503	11.5691	10.8866	1.60484
5	hcs140f08	1525	CXADR	0.0126659	8.80086	12.1113	11.0132	2.14073
7	hcs140f08	1525	CXADR	0.0571535	4.00143	11.4479	10.9035	1.45841
5	hcs140f10	118881	COMTD1	0.117097	2.65914	9.7799	9.25323	1.44059
1	hcs140g01	9091	PIGQ	0.800653	0.287693	9.76482	9.78584	0.985534
3	hcs140g01	9091	PIGQ	0.747641	-0.368828	10.4293	10.47	-1.02862
5	hcs140g01	9091	PIGQ	0.321959	-1.30458	9.9209	10.3285	-1.3265
1	hcs140g02	8402	SLC25A11	0.469427	-0.885216	10.0062	9.88354	1.08874
3	hcs140g02	8402	SLC25A11	0.0648966	3.73174	10.0438	9.98757	1.03974
5	hcs140g02	8402	SLC25A11	0.54343	-0.725747	10.2686	10.4981	-1.17243
7	hcs140g02	8402	SLC25A11	0.714784	-0.420836	9.49067	9.57233	-1.05823



1	hcs140g04	8882	ZNF259	0.365096	-1.16218	9.87091	9.47258	1.31798
3	hcs140g04	8882	ZNF259	0.215021	-1.79191	9.83843	10.2421	-1.32283
5	hcs140g04	8882	ZNF259	0.368399	-1.1521	9.82035	10.0392	-1.16379
7	hcs140g04	8882	ZNF259	0.0263722	-6.03534	9.67878	9.99507	-1.24512
3	hcs140g06	5414	SEPT4	0.235544	-1.67697	9.97336	10.3638	-1.31076
5	hcs140g06	5414	SEPT4	0.457717	0.912769	10.157	9.89326	1.20061
7	hcs140g06	5414	SEPT4	0.378047	1.12326	10.0911	9.78086	1.23992
1	hcs140g07	348262	FAM195B	0.485251	-0.849097	10.1553	10.055	1.07197
3	hcs140g07	348262	FAM195B	0.867661	0.188816	10.4684	10.458	1.00723
5	hcs140g07	348262	FAM195B	0.201805	-1.87387	10.1103	10.1782	-1.04818
1	hcs140g08	823	CAPN1	0.963047	0.0522946	10.0021	10.0094	0.994962
3	hcs140g08	823	CAPN1	0.119307	-2.62934	10.3588	10.5263	-1.12314
5	hcs140g08	823	CAPN1	0.552112	0.70844	10.1601	10.0428	1.08468
7	hcs140g08	823	CAPN1	0.421374	-1.00332	9.82253	9.97515	-1.11159
3	hcs140g09	79180	EFHD2	0.045966	-4.50189	10.5816	11.1348	-1.4674
5	hcs140g09	79180	EFHD2	0.203096	1.86556	11.214	10.8711	1.2683
1	hcs140g10	5066	PAM	0.822437	-0.255167	11.2005	11.173	1.01927
3	hcs140g10	5066	PAM	0.574264	0.665395	11.1432	11.0875	1.03941
5	hcs140g10	5066	PAM	0.525256	-0.762836	11.1877	11.2805	-1.06646
7	hcs140g10	5066	PAM	0.344019	-1.2291	10.7052	10.9701	-1.20156
3	hcs140g11	1795	DOCK3	0.115082	-2.68701	9.68266	10.1416	-1.3745
5	hcs140g11	1795	DOCK3	0.627155	0.568257	9.25097	9.10936	1.10314
7	hcs140g11	1795	DOCK3	0.953887	-0.0652824	9.22937	9.23908	-1.00676
1	hcs140g12	29095	ORMDL2	0.245851	-1.62406	9.62148	9.47204	1.10914
3	hcs140g12	29095	ORMDL2	0.795017	0.296179	9.83474	9.75469	1.05705
5	hcs140g12	29095	ORMDL2	0.0030650	18.021	9.66733	9.34144	1.25344
1	hcs140h01	?	?	0.221779	1.75253	9.19195	9.39049	0.871432
3	hcs140h01	?	?	0.459906	0.907562	10.2964	10.1552	1.1028
1	hcs140h02	?	?	0.21598	1.78622	9.49586	9.88825	0.761866
3	hcs140h02	?	?	0.305887	-1.36362	9.7639	10.0156	-1.19058
5	hcs140h02	?	?	0.838318	-0.231701	9.87702	9.94838	-1.0507
7	hcs140h02	?	?	0.429426	-0.982548	9.66258	9.9937	-1.258
1	hcs140h03	6904	TBCD	0.363845	-1.16602	9.80445	9.67233	1.0959
5	hcs140h03	6904	TBCD	0.791527	-0.301449	9.25794	9.30642	-1.03418
1	hcs140h04	58525	WIZ	0.670401	0.493711	10.6502	10.7107	0.958932
3	hcs140h04	58525	WIZ	0.479659	0.861721	10.9298	10.63	1.23097
5	hcs140h04	58525	WIZ	0.0636361	3.77237	11.3414	10.5891	1.68452
7	hcs140h04	58525	WIZ	0.232758	1.69179	10.9323	10.5504	1.303
1	hcs140h05	7529	YWHAB	0.651748	-0.525391	10.3914	10.3164	1.05338
3	hcs140h05	7529	YWHAB	0.336546	1.254	10.928	10.5346	1.31342
5	hcs140h05	7529	YWHAB	0.565738	0.68178	10.717	10.46	1.19502
7	hcs140h05	7529	YWHAB	0.749764	-0.365516	10.242	10.2766	-1.02422
5	hcs140h06	389337	ARHGEF37	0.521268	0.771137	8.96505	8.79003	1.12898
1	hcs140h07	8677	STX10	0.773647	0.328642	10.8236	10.892	0.953673
3	hcs140h07	8677	STX10	0.251631	-1.59563	10.9117	11.0294	-1.08503
5	hcs140h07	8677	STX10	0.689447	0.462032	11.1086	11.0126	1.06881
7	hcs140h07	8677	STX10	0.680264	-0.477226	10.6166	10.7397	-1.08907

1	hcs140h09	9219	MTA2	0.627638	0.567403	10.0572	10.1479	0.939056
3	hcs140h09	9219	MTA2	0.888561	-0.158586	10.1426	10.2194	-1.05469
5	hcs140h09	9219	MTA2	0.185055	1.98866	10.4863	10.027	1.37487
7	hcs140h09	9219	MTA2	0.509325	0.79638	9.99676	9.888	1.07831
1	hcs140h11	6731	SRP72	0.246006	1.62329	10.3555	10.6985	0.7884
3	hcs140h11	6731	SRP72	0.392765	-1.08085	10.3123	10.5554	-1.18353
5	hcs140h11	6731	SRP72	0.195776	1.91367	11.1463	10.7979	1.27312
7	hcs140h11	6731	SRP72	0.181727	-2.01314	10.1936	10.6415	-1.36402
1	hcs140h12	?	?	0.38213	1.11131	14.8456	15.0811	0.84941
3	hcs140h12	?	?	0.984206	0.0223389	14.8469	14.8397	1.00498
5	hcs140h12	?	?	0.269603	1.5123	15.0935	14.7656	1.25524
7	hcs140h12	?	?	0.25922	1.55954	15.2353	14.8101	1.34276
1	hcs141a03			0.267537	1.52152	11.5171	11.7797	0.833565
3	hcs141a03			0.7925	0.299978	11.4421	11.3764	1.04664
5	hcs141a03			0.500161	0.816146	11.6934	11.5998	1.06708
7	hcs141a03			0.510514	-0.793841	11.5152	11.5861	-1.05037
1	hcs141a04	2746	GLUD1	0.60011	0.617011	9.94497	10.0705	0.916648
5	hcs141a04	2746	GLUD1	0.713524	0.422862	10.3465	10.2305	1.08372
1	hcs141a05	23028	KDM1A	0.334137	1.26217	11.4421	11.6799	0.848057
3	hcs141a05	23028	KDM1A	0.643452	0.539706	11.6568	11.5518	1.07547
5	hcs141a05	23028	KDM1A	0.391643	1.08402	11.8256	11.6517	1.12808
7	hcs141a05	23028	KDM1A	0.845862	-0.220621	11.6735	11.6954	-1.01532
1	hcs141a06	9158	FIBP	0.473993	0.874665	11.5442	11.6817	0.909072
3	hcs141a06	9158	FIBP	0.760675	0.348587	11.6689	11.5752	1.06705
5	hcs141a06	9158	FIBP	0.697045	-0.449571	11.6742	11.7395	-1.04628
7	hcs141a06	9158	FIBP	0.589902	-0.635899	11.5792	11.6144	-1.0247
1	hcs141a07	124222	PAQR4	0.610382	-0.598281	10.1003	10.0504	1.03517
3	hcs141a07	124222	PAQR4	0.584705	-0.645624	10.1458	10.3254	-1.13258
5	hcs141a07	124222	PAQR4	0.306032	1.36307	10.3216	10.1547	1.12264
7	hcs141a07	124222	PAQR4	0.235472	1.67735	9.865	9.69355	1.12619
1	hcs141a08	126393	HSPB6	0.511397	0.79196	10.2851	10.4397	0.898381
3	hcs141a08	126393	HSPB6	0.213419	-1.80149	10.6094	10.8624	-1.19166
5	hcs141a08	126393	HSPB6	0.169114	-2.11172	10.1405	10.2585	-1.08521
7	hcs141a08	126393	HSPB6	0.329474	1.27819	10.2729	10.1484	1.09014
1	hcs141a09	10400	PEMT	0.325958	1.29044	10.9862	11.207	0.85807
3	hcs141a09	10400	PEMT	0.823786	0.253166	11.2465	11.1863	1.04263
5	hcs141a09	10400	PEMT	0.917279	-0.117388	11.0692	11.0827	-1.0094
7	hcs141a09	10400	PEMT	0.377567	1.12468	11.207	11.1189	1.06297
1	hcs141a10	?	?	0.374982	1.13233	11.4766	11.6794	0.868843
3	hcs141a10	?	?	0.718257	0.415268	11.7352	11.6363	1.07093
5	hcs141a10	?	?	0.594552	-0.62726	11.509	11.6166	-1.07746
7	hcs141a10	?	?	0.822357	-0.255285	11.6665	11.6849	-1.01284
1	hcs141a11	?	?	0.270904	1.50654	9.90829	10.322	0.750711
3	hcs141a11	?	?	0.706499	-0.434195	10.302	10.4612	-1.11671
5	hcs141a11	?	?	0.977485	-0.0318495	10.3402	10.347	-1.00471
7	hcs141a11	?	?	0.798271	-0.291276	10.2071	10.2289	-1.01517
1	hcs141a12	65992	DDRGK1	0.534595	0.743627	11.1047	11.3023	0.87198

3	hcs141a12	65992	DDRGK1	0.853002	0.210169	11.3621	11.3367	1.01779
5	hcs141a12	65992	DDRGK1	0.889193	0.157676	11.182	11.162	1.01391
7	hcs141a12	65992	DDRGK1	0.225641	1.73072	11.2119	11.1405	1.05074
1	hcs141b01	84709	C4orf49	0.391002	-1.08584	10.4578	10.4175	1.02834
3	hcs141b01	84709	C4orf49	0.966679	-0.0471494	11.1458	11.1568	-1.00765
5	hcs141b01	84709	C4orf49	0.963027	-0.0523242	10.4556	10.4712	-1.01084
7	hcs141b01	84709	C4orf49	0.925531	-0.105609	9.91808	9.9306	-1.00872
1	hcs141b02	?	?	0.681282	0.475535	10.5402	10.6116	0.951714
3	hcs141b02	?	?	0.910308	0.127356	10.6239	10.5866	1.02617
5	hcs141b02	?	?	0.293459	1.41195	10.6872	10.4188	1.20446
7	hcs141b02	?	?	0.195145	1.91793	10.4735	10.4153	1.04119
1	hcs141b03	6560	SLC12A4	0.283563	1.45229	10.9355	11.0685	0.911933
3	hcs141b03	6560	SLC12A4	0.174324	2.06983	11.253	11.0881	1.12111
5	hcs141b03	6560	SLC12A4	0.432537	0.974636	11.2575	11.1599	1.06997
7	hcs141b03	6560	SLC12A4	0.488191	0.842519	10.9649	10.9047	1.04256
1	hcs141b04	1616	DAXX	0.42131	1.00349	11.1286	11.2419	0.924492
3	hcs141b04	1616	DAXX	0.411368	1.02975	11.4597	11.3825	1.05497
5	hcs141b04	1616	DAXX	0.186524	1.97805	11.0602	11.0389	1.01492
7	hcs141b04	1616	DAXX	0.331955	1.26963	10.8635	10.6171	1.18627
1	hcs141b05	390595	LOC390595	0.506358	-0.802741	13.8303	13.7431	1.06231
3	hcs141b05	390595	LOC390595	0.0158188	7.8562	13.9829	13.7251	1.19565
5	hcs141b05	390595	LOC390595	0.783251	0.313994	13.8628	13.8529	1.00691
7	hcs141b05	390595	LOC390595	0.529868	-0.753308	13.516	13.7285	-1.15867
1	hcs141b06	51308	REEP2	0.269554	1.51252	10.4031	10.7637	0.778841
3	hcs141b06	51308	REEP2	0.64699	0.533584	10.9752	10.9066	1.04872
5	hcs141b06	51308	REEP2	0.305216	1.36617	10.936	10.7987	1.09987
7	hcs141b06	51308	REEP2	0.0328635	5.37933	10.5373	10.3132	1.16805
1	hcs141b07			0.539647	-0.733369	10.6573	10.5701	1.06233
3	hcs141b07			0.340659	1.24021	11.3603	11.1174	1.1834
5	hcs141b07			0.229531	-1.70925	10.263	10.4294	-1.12225
7	hcs141b07			0.381525	-1.11307	10.0425	10.2186	-1.12986
1	hcs141b08	51768	TM7SF3	0.294145	1.40922	11.2152	11.4525	0.848331
3	hcs141b08	51768	TM7SF3	0.9167	0.118215	11.5136	11.4873	1.01844
5	hcs141b08	51768	TM7SF3	0.567633	0.678121	11.4502	11.3869	1.04485
7	hcs141b08	51768	TM7SF3	0.984761	0.0215543	11.1998	11.1983	1.00102
1	hcs141b09	23162	MAPK8IP3	0.224244	1.73855	10.4827	10.7543	0.828419
3	hcs141b09	23162	MAPK8IP3	0.406767	-1.04214	10.8323	11.0195	-1.13858
5	hcs141b09	23162	MAPK8IP3	0.608939	0.600897	10.8008	10.7199	1.05763
7	hcs141b09	23162	MAPK8IP3	0.658679	0.51354	10.5507	10.4124	1.10066
1	hcs141b11	23117	NPIPL3	0.523219	0.767068	9.64509	9.69825	0.963825
5	hcs141b11	23117	NPIPL3	0.545327	-0.721942	9.58528	9.65703	-1.05099
7	hcs141b11	23117	NPIPL3	0.562806	0.687468	9.66197	9.57593	1.06145
1	hcs141b12			0.365294	1.16157	10.5531	10.6012	0.967187
3	hcs141b12			0.803631	-0.283223	10.785	10.81	-1.01743
5	hcs141b12			0.141597	-2.36651	10.5136	10.7275	-1.15977
7	hcs141b12			0.17473	2.06663	10.341	10.2682	1.05175
1	hcs141c01	116987	AGAP1	0.588152	0.639165	9.58992	9.62782	0.97407

3	hcs141c01	116987	AGAP1	0.364657	-1.16353	9.35048	9.64594	-1.22727
5	hcs141c01	116987	AGAP1	0.78308	0.314253	9.77835	9.71908	1.04194
7	hcs141c01	116987	AGAP1	0.806499	0.278923	9.56702	9.48363	1.0595
1	hcs141c02	9392	TGFBRAP1	0.710213	0.428195	11.2265	11.3021	0.948947
3	hcs141c02	9392	TGFBRAP1	0.997368	0.0037226	11.159	11.1579	1.00081
5	hcs141c02	9392	TGFBRAP1	0.283749	1.45152	11.3335	11.1921	1.10297
7	hcs141c02	9392	TGFBRAP1	0.620312	0.580426	11.1284	11.088	1.0284
1	hcs141c03	59274	MESDC1	0.603269	0.611222	11.2191	11.2753	0.961772
3	hcs141c03	59274	MESDC1	0.76576	0.340745	11.1372	11.0533	1.05988
5	hcs141c03	59274	MESDC1	0.452602	0.925036	11.2274	11.1458	1.05819
7	hcs141c03	59274	MESDC1	0.156587	-2.22007	11.1479	11.1823	-1.02411
1	hcs141c04	4738	NEDD8	0.759199	0.350869	11.5389	11.6096	0.952198
3	hcs141c04	4738	NEDD8	0.173546	2.07598	11.7127	11.6066	1.07634
5	hcs141c04	4738	NEDD8	0.477587	0.866437	11.8611	11.7777	1.05949
7	hcs141c04	4738	NEDD8	0.578943	-0.656496	11.1132	11.1676	-1.03838
1	hcs141c05	?	?	0.392058	1.08285	9.94166	10.0873	0.903955
3	hcs141c05	?	?	0.924877	0.106541	10.3391	10.3305	1.00603
5	hcs141c05	?	?	0.149986	-2.28207	9.94232	10.1288	-1.13795
7	hcs141c05	?	?	0.0735952	3.4795	9.6809	9.57111	1.07908
1	hcs141c07	6046	BRD2	0.470676	0.882318	10.4771	10.6007	0.917873
3	hcs141c07	6046	BRD2	0.870223	0.185098	10.8783	10.8703	1.00556
5	hcs141c07	6046	BRD2	0.112523	-2.72339	10.6476	10.7306	-1.05919
7	hcs141c07	6046	BRD2	0.324632	1.2951	10.1932	10.0158	1.13082
1	hcs141c08	374291	NDUFS7	0.53221	0.748502	11.7349	11.891	0.897448
3	hcs141c08	374291	NDUFS7	0.655865	0.518341	11.9315	11.8074	1.08983
5	hcs141c08	374291	NDUFS7	0.704322	0.437724	11.9227	11.888	1.02439
7	hcs141c08	374291	NDUFS7	0.290157	1.42522	11.8423	11.8009	1.02911
1	hcs141c09			0.260691	1.55271	10.1411	10.325	0.8803
3	hcs141c09			0.245518	-1.62573	10.3335	10.5193	-1.13745
5	hcs141c09			0.562982	0.687126	10.2468	10.1285	1.08549
7	hcs141c09			0.0541879	4.11925	10.2643	10.1298	1.09769
1	hcs141c10	?	?	0.368455	1.15193	10.1551	10.2907	0.9103
3	hcs141c10	?	?	0.327756	-1.28415	10.6681	10.8443	-1.12988
5	hcs141c10	?	?	0.815785	-0.265056	9.82921	9.88404	-1.03874
7	hcs141c10	?	?	0.327037	1.28666	9.87217	9.77967	1.06621
1	hcs141c12	?	?	0.320458	1.30994	10.8966	11.1418	0.843718
3	hcs141c12	?	?	0.875313	0.177721	11.1036	11.0711	1.02283
5	hcs141c12	?	?	0.593726	0.62879	11.0665	10.9676	1.07098
7	hcs141c12	?	?	0.63335	0.557335	10.8905	10.866	1.01713
1	hcs141d03	?	?	0.6959	0.451443	10.6743	10.7567	0.944464
3	hcs141d03	?	?	0.804818	0.281441	11.0308	11.0003	1.02141
5	hcs141d03	?	?	0.645731	0.53576	10.8344	10.7894	1.03164
7	hcs141d03	?	?	0.344921	1.22614	10.4385	10.2673	1.12594
1	hcs141d04	79998	ANKRD53	0.240301	1.65219	10.4982	10.708	0.864657
3	hcs141d04	79998	ANKRD53	0.939306	-0.0859924	10.9488	10.9819	-1.02318
5	hcs141d04	79998	ANKRD53	0.426866	0.989106	10.7362	10.4752	1.19828
7	hcs141d04	79998	ANKRD53	0.491818	0.834459	10.8229	10.7726	1.03543

1	hcs141d05	128434	VSTM2L	0.211599	1.81248	10.4838	10.7615	0.824905
3	hcs141d05	128434	VSTM2L	0.394468	1.07606	11.2643	11.0846	1.13265
5	hcs141d05	128434	VSTM2L	0.743066	0.375982	10.9533	10.8844	1.04887
7	hcs141d05	128434	VSTM2L	0.429389	-0.982643	10.4337	10.5211	-1.06243
1	hcs141d06	58986	TMEM8A	0.562049	0.688941	11.7963	11.889	0.937788
3	hcs141d06	58986	TMEM8A	0.463085	0.900047	12.1813	11.9142	1.20339
5	hcs141d06	58986	TMEM8A	0.250551	1.60088	11.8197	11.6828	1.09954
7	hcs141d06	58986	TMEM8A	0.246596	1.62035	12.0083	11.7186	1.22241
1	hcs141d07	64207	C14orf4	0.352104	1.20288	10.5838	10.8578	0.827024
3	hcs141d07	64207	C14orf4	0.806605	0.278765	11.057	11.0355	1.01506
5	hcs141d07	64207	C14orf4	0.86429	-0.193715	10.7677	10.791	-1.01626
7	hcs141d07	64207	C14orf4	0.770135	0.334022	10.4884	10.4446	1.03085
1	hcs141d08	5986	RFNG	0.43453	0.969599	11.1984	11.3261	0.91531
3	hcs141d08	5986	RFNG	0.720375	0.411879	11.4217	11.3426	1.05641
5	hcs141d08	5986	RFNG	0.438574	0.959456	11.4397	11.2957	1.10499
7	hcs141d08	5986	RFNG	0.321902	1.30478	11.1473	11.0255	1.08812
1	hcs141d09	?	?	0.442173	0.950514	10.5662	10.5866	0.985955
3	hcs141d09	?	?	0.552537	0.7076	11.149	10.9571	1.14227
5	hcs141d09	?	?	0.195568	-1.91507	10.5504	10.7988	-1.18792
7	hcs141d09	?	?	0.671422	-0.491997	10.1357	10.2056	-1.04967
1	hcs141d10	?	?	0.302793	1.37542	10.7348	10.8996	0.892052
3	hcs141d10	?	?	0.93893	0.0865276	10.9837	10.9751	1.006
5	hcs141d10	?	?	0.0729715	-3.49613	10.894	10.9841	-1.06447
7	hcs141d10	?	?	0.341688	1.2368	10.5166	10.4808	1.02508
1	hcs141d11	84939	MUM1	0.918692	0.115369	10.6999	10.7054	0.996172
3	hcs141d11	84939	MUM1	0.290595	1.42345	10.919	10.8081	1.0799
5	hcs141d11	84939	MUM1	0.483103	-0.853928	10.6322	10.6919	-1.04225
7	hcs141d11	84939	MUM1	0.229681	-1.70843	10.0214	10.1761	-1.11313
1	hcs141d12	123904	NRN1L	0.150714	2.27505	10.7656	10.9444	0.883438
3	hcs141d12	123904	NRN1L	0.673486	-0.488537	10.9392	11.0354	-1.069
5	hcs141d12	123904	NRN1L	0.457818	-0.912527	10.9124	11.0171	-1.07525
7	hcs141d12	123904	NRN1L	0.100016	2.91971	10.652	10.6062	1.03223
1	hcs141e02	?	?	0.321994	1.30445	11.2775	11.4865	0.865137
3	hcs141e02	?	?	0.912456	0.124283	11.2992	11.2631	1.02536
5	hcs141e02	?	?	0.520712	0.7723	11.4116	11.349	1.04439
7	hcs141e02	?	?	0.615044	0.589867	11.3144	11.2267	1.06267
1	hcs141e03	1381	CRABP1	0.805888	0.279838	11.6765	11.7325	0.96195
3	hcs141e03	1381	CRABP1	0.43515	0.968037	11.7557	11.508	1.18729
5	hcs141e03	1381	CRABP1	0.404292	1.04887	11.7754	11.6786	1.06935
7	hcs141e03	1381	CRABP1	0.423022	0.999034	11.6442	11.544	1.07187
1	hcs141e04	54914	KIAA1797	0.928975	0.100699	10.4776	10.4991	0.985213
3	hcs141e04	54914	KIAA1797	0.281539	1.46076	10.987	10.7901	1.1462
5	hcs141e04	54914	KIAA1797	0.108609	-2.78138	10.4661	10.6874	-1.16584
7	hcs141e04	54914	KIAA1797	0.429319	-0.98282	9.87704	9.97187	-1.06794
1	hcs141e05	64747	MFSD1	0.131279	2.48042	10.1994	10.5464	0.786217
3	hcs141e05	64747	MFSD1	0.896809	0.146718	10.6177	10.5755	1.02964
5	hcs141e05	64747	MFSD1	0.567251	0.678857	10.6408	10.4685	1.12683

7	hcs141e05	64747	MFSD1	0.253248	-1.58783	9.99562	10.3704	-1.29664
1	hcs141e06	5098	PCDHGC3	0.681201	0.47567	10.511	10.5975	0.941783
3	hcs141e06	5098	PCDHGC3	0.361398	1.17359	10.9849	10.705	1.21405
5	hcs141e06	5098	PCDHGC3	0.0346753	5.22951	10.9731	10.4451	1.44193
7	hcs141e06	5098	PCDHGC3	0.0396599	4.87078	10.512	10.1133	1.31838
1	hcs141e07	25814	ATXN10	0.132248	2.4692	11.2156	11.3931	0.884214
3	hcs141e07	25814	ATXN10	0.411922	1.02827	11.5094	11.3575	1.11103
5	hcs141e07	25814	ATXN10	0.249018	1.60838	11.5529	11.418	1.09802
7	hcs141e07	25814	ATXN10	0.99075	-0.0130813	11.1027	11.1042	-1.00106
1	hcs141e08	23524	SRRM2	0.603485	0.610827	11.0926	11.2848	0.87529
3	hcs141e08	23524	SRRM2	0.894026	0.150719	11.32	11.2822	1.02657
5	hcs141e08	23524	SRRM2	0.230236	1.70541	11.5871	11.4371	1.10962
7	hcs141e08	23524	SRRM2	0.288366	-1.4325	11.0654	11.1833	-1.08513
5	hcs141e09	?	?	0.784199	0.312554	9.60803	9.51932	1.06342
1	hcs141e10			0.352988	1.20005	10.8002	10.9123	0.925262
3	hcs141e10			0.955543	-0.0629333	10.9614	10.97	-1.00596
5	hcs141e10			0.952582	-0.0671349	10.6487	10.657	-1.00575
7	hcs141e10			0.341385	1.2378	10.6558	10.5125	1.1044
1	hcs141e11	2295	FOXF2	0.20096	1.87935	11.0906	11.3448	0.838452
3	hcs141e11	2295	FOXF2	0.813686	-0.268183	11.2876	11.3203	-1.02292
5	hcs141e11	2295	FOXF2	0.89583	-0.148124	11.1814	11.1966	-1.01059
7	hcs141e11	2295	FOXF2	0.319593	1.31304	11.3761	11.2834	1.06639
1	hcs141f01	8099	CDK2AP1	0.833341	-0.239034	13.6724	13.6383	1.02394
3	hcs141f01	8099	CDK2AP1	0.728389	0.39912	13.8036	13.7148	1.06349
5	hcs141f01	8099	CDK2AP1	0.129413	2.50235	13.8584	13.4564	1.32131
7	hcs141f01	8099	CDK2AP1	0.0015608	25.282	14.1047	13.432	1.59402
1	hcs141f02	91272	BOD1	0.401462	1.05663	11.6189	11.8308	0.863419
3	hcs141f02	91272	BOD1	0.668853	0.496315	11.9382	11.806	1.09601
5	hcs141f02	91272	BOD1	0.281859	1.45942	11.9424	11.8065	1.0988
7	hcs141f02	91272	BOD1	0.298965	1.39023	11.9707	11.7938	1.1305
1	hcs141f03	84417	C2orf40	0.491493	0.835179	11.0635	11.1883	0.91711
3	hcs141f03	84417	C2orf40	0.350271	1.20876	11.3682	11.2453	1.08892
5	hcs141f03	84417	C2orf40	0.996042	0.0055970	10.9091	10.9088	1.00025
7	hcs141f03	84417	C2orf40	0.339193	1.24511	10.907	10.7352	1.12649
1	hcs141f04	11021	RAB35	0.156541	2.22048	11.9076	12.0291	0.91921
3	hcs141f04	11021	RAB35	0.3433	1.23147	12.1009	12.0619	1.02743
5	hcs141f04	11021	RAB35	0.119668	2.62455	12.0423	11.9459	1.06905
7	hcs141f04	11021	RAB35	0.0626593	3.80467	11.7412	11.5798	1.11837
1	hcs141f05	3148	HMGB2	0.0387954	-4.92809	11.7021	11.6042	1.07024
3	hcs141f05	3148	HMGB2	0.644453	-0.537971	11.6031	11.6697	-1.04725
5	hcs141f05	3148	HMGB2	0.746603	-0.370447	11.606	11.6558	-1.03515
7	hcs141f05	3148	HMGB2	0.115343	-2.68335	11.0787	11.373	-1.22635
1	hcs141f06	10643	IGF2BP3	0.182839	2.00489	12.3952	12.5132	0.921464
3	hcs141f06	10643	IGF2BP3	0.114678	2.69267	12.6557	12.499	1.11479
5	hcs141f06	10643	IGF2BP3	0.220145	1.7619	12.5004	12.3894	1.07998
7	hcs141f06	10643	IGF2BP3	0.352246	1.20242	12.4016	12.2688	1.09637
1	hcs141f07	51400	PPME1	0.353556	1.19824	12.5752	12.6727	0.934673

3	hcs141f07	51400	PPME1	0.088957	3.12485	12.7835	12.5573	1.16972
5	hcs141f07	51400	PPME1	0.119919	2.62123	13.0423	12.5844	1.37348
7	hcs141f07	51400	PPME1	0.0811039	3.29409	12.8842	12.3974	1.40137
1	hcs141f08	4430	MYO1B	0.90956	-0.128428	12.6691	12.6549	1.00987
3	hcs141f08	4430	MYO1B	0.304945	1.3672	12.667	12.5877	1.05651
5	hcs141f08	4430	MYO1B	0.0772291	3.38653	12.8819	12.5151	1.28946
7	hcs141f08	4430	MYO1B	0.0400947	4.84264	12.6019	12.2364	1.28827
1	hcs141f09	55627	SMPD4	0.429381	0.982661	12.8646	12.9402	0.948947
3	hcs141f09	55627	SMPD4	0.455893	-0.917127	12.8678	12.9118	-1.03097
5	hcs141f09	55627	SMPD4	0.866534	0.190453	13.0814	13.0671	1.00996
7	hcs141f09	55627	SMPD4	0.83482	-0.236853	12.8907	12.9449	-1.03826
1	hcs141f10	79441	HAUS3	0.0712686	3.54258	12.0191	12.2119	0.874926
3	hcs141f10	79441	HAUS3	0.0376174	5.00929	12.1512	11.9622	1.13997
5	hcs141f10	79441	HAUS3	0.02311	6.46353	12.3611	12.0123	1.27347
7	hcs141f10	79441	HAUS3	0.11648	2.66759	12.0731	11.7185	1.27863
1	hcs141f11	?	?	0.556947	0.698913	12.5207	12.5573	0.974973
3	hcs141f11	?	?	0.381791	1.1123	12.4473	12.2561	1.14174
5	hcs141f11	?	?	0.1353	2.43459	12.6445	12.4162	1.17151
7	hcs141f11	?	?	0.107276	2.80181	12.4153	12.2181	1.14644
1	hcs141f12	79026	AHNAK	0.235969	1.67473	11.2812	11.467	0.879161
3	hcs141f12	79026	AHNAK	0.503144	0.809673	11.5097	11.3369	1.12722
5	hcs141f12	79026	AHNAK	0.698145	-0.447775	11.3641	11.4335	-1.0493
7	hcs141f12	79026	AHNAK	0.459598	0.908292	11.2858	11.2177	1.04829
1	hcs141g01	10097	ACTR2	0.585256	0.644589	11.6096	11.7175	0.927938
3	hcs141g01	10097	ACTR2	0.356788	1.188	11.506	11.1869	1.24755
5	hcs141g01	10097	ACTR2	0.105282	2.83303	11.7242	11.4676	1.1946
7	hcs141g01	10097	ACTR2	0.175004	2.06448	11.3866	11.2036	1.13529
1	hcs141g02	9902	MRC2	0.432207	0.975472	11.8955	12.105	0.864857
3	hcs141g02	9902	MRC2	0.976329	0.0334856	11.7489	11.741	1.00544
5	hcs141g02	9902	MRC2	0.0083983	-10.8431	11.9719	12.1162	-1.10519
7	hcs141g02	9902	MRC2	0.229001	-1.71215	11.8559	11.984	-1.09285
1	hcs141g03	3675	ITGA3	0.663841	0.504776	12.9077	12.9741	0.955018
3	hcs141g03	3675	ITGA3	0.564705	0.683782	12.7223	12.5897	1.09624
5	hcs141g03	3675	ITGA3	0.0583466	3.95651	13.1607	12.8552	1.23582
7	hcs141g03	3675	ITGA3	0.0225869	6.54058	12.9758	12.6989	1.21156
1	hcs141g04	6240	RRM1	0.542024	0.728573	12.0293	12.1044	0.949255
3	hcs141g04	6240	RRM1	0.373844	-1.13572	11.7007	11.8473	-1.10698
5	hcs141g04	6240	RRM1	0.299446	-1.38836	12.0574	12.106	-1.03426
7	hcs141g04	6240	RRM1	0.128339	-2.51518	11.7117	11.9851	-1.2086
5	hcs141g05	51362	CDC40	0.82983	0.244219	9.69785	9.68564	1.0085
1	hcs141g06	57104	PNPLA2	0.875981	-0.176754	14.8956	14.8564	1.02752
3	hcs141g06	57104	PNPLA2	0.193084	-1.93198	14.6306	14.732	-1.07276
5	hcs141g06	57104	PNPLA2	0.654687	-0.520354	14.8412	14.8807	-1.02778
7	hcs141g06	57104	PNPLA2	0.0170976	-7.5493	14.7188	14.8981	-1.13236
1	hcs141g07	280636	C11orf31	0.549622	0.713378	11.969	12.0591	0.939436
3	hcs141g07	280636	C11orf31	0.626784	0.568915	12.193	12.1088	1.06008
5	hcs141g07	280636	C11orf31	0.0473868	-4.42889	12.3245	12.453	-1.09311

7	hcs141g07	280636	C11orf31	0.186984	-1.97475	11.9632	12.1074	-1.10507
1	hcs141g08	3855	KRT7	0.239906	1.65422	10.4188	10.5079	0.940087
3	hcs141g08	3855	KRT7	0.363359	-1.16752	10.5961	10.7439	-1.10785
5	hcs141g08	3855	KRT7	0.347169	1.2188	10.6959	10.382	1.24308
7	hcs141g08	3855	KRT7	0.140061	2.38273	10.4156	10.204	1.15794
1	hcs141g09	8514	KCNAB2	0.0082797	10.9215	12.1302	12.4314	0.811596
3	hcs141g09	8514	KCNAB2	0.784832	0.311592	12.401	12.3516	1.03481
5	hcs141g09	8514	KCNAB2	0.507924	0.799378	12.33	12.2543	1.0539
7	hcs141g09	8514	KCNAB2	0.515811	-0.7826	12.0717	12.2465	-1.12886
1	hcs141g10	2617	GARS	0.430238	0.980475	10.8839	10.9841	0.932903
3	hcs141g10	2617	GARS	0.291126	1.42131	11.1111	10.9255	1.13732
5	hcs141g10	2617	GARS	0.855246	-0.206892	10.8053	10.8615	-1.03977
7	hcs141g10	2617	GARS	0.221635	1.75335	10.7611	10.6779	1.05937
1	hcs141g11	3799	KIF5B	0.0318106	-5.47213	13.9607	13.805	1.11394
3	hcs141g11	3799	KIF5B	0.0911789	3.0808	14.3768	13.9526	1.3418
7	hcs141g11	3799	KIF5B	0.246622	1.62022	14.1871	13.7893	1.31747
1	hcs141g12	1855	DVL1	0.391135	1.08546	10.9848	11.094	0.927124
3	hcs141g12	1855	DVL1	0.156219	-2.22343	11.1588	11.2932	-1.09761
5	hcs141g12	1855	DVL1	0.568322	0.676792	11.1012	10.9341	1.1228
7	hcs141g12	1855	DVL1	0.381872	1.11206	10.9479	10.8945	1.03773
1	hcs141h01	79709	GLT25D1	0.967749	0.0456342	13.4541	13.4668	0.991213
3	hcs141h01	79709	GLT25D1	0.827468	0.247712	13.7493	13.7046	1.03144
5	hcs141h01	79709	GLT25D1	0.53286	-0.74717	13.7439	13.8377	-1.0672
7	hcs141h01	79709	GLT25D1	0.803002	-0.284166	12.9864	13.1104	-1.08975
1	hcs141h02	23240	KIAA0922	0.224472	1.73727	13.9532	14.0638	0.926224
3	hcs141h02	23240	KIAA0922	0.920649	0.112575	13.953	13.9386	1.01003
5	hcs141h02	23240	KIAA0922	0.506841	-0.801702	14.0506	14.2275	-1.13045
7	hcs141h02	23240	KIAA0922	0.473104	-0.876712	13.6847	14.0557	-1.29325
1	hcs141h03	1847	DUSP5	0.550604	0.711429	12.8011	12.8552	0.963195
3	hcs141h03	1847	DUSP5	0.416808	1.01529	12.5842	12.4509	1.09675
5	hcs141h03	1847	DUSP5	0.0337137	5.30755	12.9045	12.7361	1.12381
7	hcs141h03	1847	DUSP5	0.195642	1.91458	12.9134	12.7163	1.14634
1	hcs141h04	51645	PPIL1	0.289921	1.42618	11.2655	11.3939	0.914867
3	hcs141h04	51645	PPIL1	0.423386	-0.99809	11.4687	11.5424	-1.05241
5	hcs141h04	51645	PPIL1	0.0182329	-7.30413	11.2998	11.4983	-1.14753
7	hcs141h04	51645	PPIL1	0.0757688	-3.42312	10.644	10.8597	-1.16127
1	hcs141h05	?	?	0.189356	1.9579	10.0485	10.2798	0.851863
3	hcs141h05	?	?	0.137177	-2.41385	10.445	10.6059	-1.11798
5	hcs141h05	?	?	0.530561	0.751885	10.414	10.1483	1.20223
7	hcs141h05	?	?	0.286244	-1.44119	9.7419	9.9093	-1.12303
5	hcs141h06	8507	ENC1	0.892701	0.152624	10.488	10.4396	1.0341
1	hcs141h07	6626	SNRPA	0.0970738	2.97102	10.8753	11.5478	0.627418
3	hcs141h07	6626	SNRPA	0.941733	-0.082542	11.3074	11.3377	-1.02122
5	hcs141h07	6626	SNRPA	0.544645	0.72331	11.4693	11.2659	1.15141
7	hcs141h07	6626	SNRPA	0.961417	-0.0546053	11.0127	11.0222	-1.00663
1	hcs141h08			0.317096	1.32205	10.4605	10.665	0.867839
3	hcs141h08			0.946128	0.0762979	10.7804	10.7494	1.02177



5	hcs141h08			0.241924	1.64388	10.7693	10.5264	1.18337
7	hcs141h08			0.258937	1.56087	10.678	10.3098	1.29074
1	hcs141h09	51602	NOP58	0.196569	1.90834	10.8736	11.3969	0.695778
3	hcs141h09	51602	NOP58	0.934302	-0.0931123	11.2419	11.2927	-1.03584
5	hcs141h09	51602	NOP58	0.586825	0.641647	11.3876	11.25	1.10005
7	hcs141h09	51602	NOP58	0.916154	-0.118995	11.0365	11.0422	-1.00396
1	hcs141h10	7345	UCHL1	0.409767	-1.03405	12.9961	12.7743	1.16616
3	hcs141h10	7345	UCHL1	0.290786	1.42268	13.0026	12.5996	1.32219
5	hcs141h10	7345	UCHL1	0.527012	0.759199	12.8578	12.6143	1.18386
7	hcs141h10	7345	UCHL1	0.095665	2.99637	12.9515	12.6215	1.25707
1	hcs141h11	4150	MAZ	0.174929	-2.06507	12.3794	12.1856	1.14377
3	hcs141h11	4150	MAZ	0.774282	0.32767	12.1036	12.024	1.05673
5	hcs141h11	4150	MAZ	0.273339	-1.49587	12.1661	12.2595	-1.06693
7	hcs141h11	4150	MAZ	0.513324	-0.787863	11.9598	12.0189	-1.04177
1	hcs141h12	56990	CDC42SE2	0.243607	1.63534	9.98257	10.1322	0.901461
3	hcs141h12	56990	CDC42SE2	0.201498	-1.87586	10.0176	10.5293	-1.42578
5	hcs141h12	56990	CDC42SE2	0.231807	1.69691	10.3167	10.0686	1.18767
7	hcs141h12	56990	CDC42SE2	0.301194	1.38158	10.0237	9.90836	1.08325
1	hcs142a01			0.38494	1.10317	10.0945	10.3421	0.842316
3	hcs142a01			0.752454	-0.361329	10.0145	10.1435	-1.09356
5	hcs142a01			0.629784	0.563612	10.3342	10.2068	1.09228
7	hcs142a01			0.567013	0.679316	10.0159	9.8353	1.13336
5	hcs142a03	8945	BTRC	0.318971	-1.31528	9.64454	9.78326	-1.10093
1	hcs142a05	83540	NUF2	0.639678	0.546266	10.8674	10.9178	0.965669
3	hcs142a05	83540	NUF2	0.992043	-0.0112538	10.8996	10.9041	-1.00312
5	hcs142a05	83540	NUF2	0.263058	1.54181	11.1687	10.9248	1.18422
7	hcs142a05	83540	NUF2	0.825285	0.250943	10.8393	10.8177	1.01511
1	hcs142a06	22795	NID2	0.171793	2.08996	10.9466	11.1975	0.840372
3	hcs142a06	22795	NID2	0.864966	0.192733	11.21	11.1296	1.05731
5	hcs142a06	22795	NID2	0.992835	-0.0101327	11.2556	11.2578	-1.00155
7	hcs142a06	22795	NID2	0.902062	0.139174	11.1668	11.162	1.00333
1	hcs142a07	2309	FOXO3	0.192631	1.93509	11.2962	11.5572	0.834528
3	hcs142a07	2309	FOXO3	0.628951	0.565083	11.5511	11.417	1.09743
5	hcs142a07	2309	FOXO3	0.584796	0.645454	11.7101	11.5839	1.09139
7	hcs142a07	2309	FOXO3	0.790214	0.303434	11.5079	11.4857	1.01551
1	hcs142a08	253943	YTHDF3	0.749447	0.366011	15.1807	15.2926	0.925369
3	hcs142a08	253943	YTHDF3	0.944038	-0.0792667	14.9822	15.0065	-1.01703
5	hcs142a08	253943	YTHDF3	0.543264	0.726079	15.1239	14.8699	1.19248
5	hcs142a09	23423	TMED3	0.390082	1.08845	9.8688	9.37165	1.41143
1	hcs142a10	55037	PTCD3	0.276498	1.48219	10.6629	11.1194	0.728752
3	hcs142a10	55037	PTCD3	0.376193	-1.12874	10.7669	10.9679	-1.14955
5	hcs142a10	55037	PTCD3	0.301998	1.37848	11.1965	11.0601	1.09921
7	hcs142a10	55037	PTCD3	0.200427	-1.88282	10.7992	10.9503	-1.11039
1	hcs142a11	4726	NDUFS6	0.494233	0.829127	11.9284	12.0994	0.888227
3	hcs142a11	4726	NDUFS6	0.811164	0.271947	11.9823	11.9147	1.048
5	hcs142a11	4726	NDUFS6	0.0954715	-2.9999	12.0501	12.119	-1.04892
7	hcs142a11	4726	NDUFS6	0.96681	-0.046964	12.0865	12.0887	-1.0015

1	hcs142a12			0.194799	1.92027	12.7242	12.9252	0.869928
3	hcs142a12			0.552331	0.708007	12.8038	12.7201	1.05973
5	hcs142a12			0.498448	-0.819881	12.739	12.8037	-1.04584
7	hcs142a12			0.451564	-0.927544	12.7025	12.8564	-1.11252
1	hcs142b01	11260	XPOT	0.914364	0.121554	12.9968	13.0616	0.9561
3	hcs142b01	11260	XPOT	0.510439	0.794	13.6043	13.3321	1.2077
5	hcs142b01	11260	XPOT	0.301499	1.3804	13.5353	13.0828	1.36838
1	hcs142b02	?	?	0.270125	1.50999	12.6951	12.9036	0.865417
3	hcs142b02	?	?	0.186046	1.98149	12.8145	12.5066	1.2379
5	hcs142b02	?	?	0.482994	0.854172	12.9239	12.8269	1.06957
7	hcs142b02	?	?	0.67255	0.490105	12.917	12.8085	1.07816
1	hcs142b03	125	ADH1B	0.272623	1.499	11.7867	12.0516	0.832256
3	hcs142b03	125	ADH1B	0.589899	0.635905	11.9361	11.7525	1.13577
5	hcs142b03	125	ADH1B	0.244927	1.62869	12.1692	11.7573	1.33044
7	hcs142b03	125	ADH1B	0.349356	1.21171	12.0168	11.8231	1.14364
1	hcs142b04	26517	TIMM13	0.975883	0.0341172	12.3911	12.4003	0.99362
3	hcs142b04	26517	TIMM13	0.540039	0.732576	12.4524	12.2584	1.1439
5	hcs142b04	26517	TIMM13	0.107497	2.79839	12.3527	11.969	1.30468
7	hcs142b04	26517	TIMM13	0.0975849	2.96195	12.4328	12.1264	1.23668
1	hcs142b05	10920	COPS8	0.172904	2.08107	10.8993	11.0676	0.889911
3	hcs142b05	10920	COPS8	0.547661	0.717281	11.3245	11.0698	1.19309
5	hcs142b05	10920	COPS8	0.373012	1.13821	11.2467	11.022	1.16859
7	hcs142b05	10920	COPS8	0.555502	0.701751	11.0717	11.0072	1.04575
5	hcs142b06	4520	MTF1	0.51771	0.778599	9.7498	9.61833	1.09541
1	hcs142b07	9130	FAM50A	0.384653	1.104	11.6958	11.889	0.874664
3	hcs142b07	9130	FAM50A	0.918943	0.11501	11.7549	11.7165	1.02697
5	hcs142b07	9130	FAM50A	0.157427	2.21244	12.0141	11.7658	1.18778
7	hcs142b07	9130	FAM50A	0.486286	0.846776	11.7202	11.5789	1.10287
1	hcs142b08	6433	SFSWAP	0.331907	1.26979	10.9724	11.0696	0.934846
3	hcs142b08	6433	SFSWAP	0.831	-0.24249	11.1141	11.1973	-1.05939
5	hcs142b08	6433	SFSWAP	0.832071	0.240908	11.1147	11.0769	1.0265
7	hcs142b08	6433	SFSWAP	0.423615	0.997494	10.919	10.8194	1.07148
1	hcs142b09	84650	EBPL	0.786218	0.309489	12.4961	12.5292	0.977341
3	hcs142b09	84650	EBPL	0.492225	0.833559	12.4038	12.3331	1.05023
5	hcs142b09	84650	EBPL	0.77725	-0.323135	12.617	12.6515	-1.02418
7	hcs142b09	84650	EBPL	0.32864	-1.28108	12.3961	12.5735	-1.13084
1	hcs142b11	5806	PTX3	0.86323	0.195257	14.2033	14.2256	0.984662
5	hcs142b11	5806	PTX3	0.704249	0.437841	14.2647	14.1951	1.04945
1	hcs142b12	?	?	0.722276	-0.408844	9.88394	9.79019	1.06714
5	hcs142b12	?	?	0.835003	0.236583	9.85905	9.84041	1.01301
1	hcs142c01	1958	EGR1	0.33985	1.24291	10.7467	11.02	0.827406
3	hcs142c01	1958	EGR1	0.776092	-0.324903	10.5558	10.6856	-1.09415
5	hcs142c01	1958	EGR1	0.898912	0.143696	10.8129	10.7794	1.02347
7	hcs142c01	1958	EGR1	0.508521	0.798099	10.7336	10.5842	1.10912
1	hcs142c02	2947	GSTM3	0.35847	1.18272	11.1705	11.4635	0.816222
3	hcs142c02	2947	GSTM3	0.978941	0.0297882	11.2385	11.2303	1.00568
5	hcs142c02	2947	GSTM3	0.301453	1.38058	11.4315	11.3009	1.09472

7	hcs142c02	2947	GSTM3	0.558866	0.695151	11.4313	11.311	1.08696
1	hcs142c03	8802	SUCLG1	0.743876	0.374713	10.9071	10.9562	0.966562
3	hcs142c03	8802	SUCLG1	0.69017	0.460843	10.8724	10.719	1.11219
5	hcs142c03	8802	SUCLG1	0.502191	0.811738	11.0663	10.9126	1.11242
7	hcs142c03	8802	SUCLG1	0.365412	1.16121	10.8299	10.7241	1.07607
1	hcs142c04	3455	IFNAR2	0.672926	0.489475	10.848	10.9114	0.956984
3	hcs142c04	3455	IFNAR2	0.902576	0.138436	11.1192	11.0969	1.01558
5	hcs142c04	3455	IFNAR2	0.085831	3.18955	11.2408	10.7873	1.36939
7	hcs142c04	3455	IFNAR2	0.0268128	5.98351	10.8157	10.6568	1.11646
5	hcs142c08	51128	SAR1B	0.610938	-0.597276	9.52274	9.6511	-1.09305
3	hcs142c09	?	?	0.281484	1.46099	9.62905	9.53672	1.06609
5	hcs142c09	?	?	0.964141	0.0507452	9.73648	9.72181	1.01022
5	hcs142d06	4253	CTAGE5	0.640944	0.544062	9.54919	9.34329	1.15341
7	hcs142d06	4253	CTAGE5	0.925265	-0.105987	9.46712	9.48134	-1.00991
1	hcs142e02	677	ZFP36L1	0.464417	0.896915	11.0616	11.2706	0.865116
3	hcs142e02	677	ZFP36L1	0.430928	0.97872	11.063	10.9105	1.11149
5	hcs142e02	677	ZFP36L1	0.0269689	5.96545	11.5052	11.2195	1.219
7	hcs142e02	677	ZFP36L1	0.559863	0.693202	10.9588	10.7365	1.16654