	70 DPI		90 DPI		110 DPI		130 DPI		EP	
	Log Ratio	FDR	Log Ratio	FDR	Log Ratio	FDR	Log Ratio	FDR	Log Ratio	FDR
5430435G22Rik	-0.464	0.126	-0.074	12.522	-0.115	33.124	0.134	13.893	0.481	31.624
A2LD1	-0.141	3.157	-0.609	2.773	-0.180	12.575	0.138	41.825	0.451	0.213
AADAT	0.235	12.647	0.187	3.009	-0.130	6.932	-1.312	0.061	-0.150	24.398
ABCA3	0.124	49.540	-0.443	0.514	0.021	59.432	0.103	32.497	0.618	0.039
ABCA5	-0.378	0.511	0.262	0.595	-0.217	3.475	-0.643	11.241	0.246	24.398
ABCB10	-0.754	0.052	0.594	1.086	-0.372	4.053	-0.162	47.420	-0.489	8.002
Abcb1b	0.596	0.052	0.562	2.123	-0.405	2.659	-0.132	0.573	-0.265	6.001
ABCC1	-0.134	37.036	0.289	4.122	-0.157	22.899	-0.302	5.543	0.460	0.746
ABCC3	0.042	49.540	-0.204	3.009	0.062	49.127	-0.072	41.825	0.857	0.021
ABCC5	-0.172	15.278	0.806	0.602	0.060	49.127	0.244	3.866	0.642	0.021
ABHD16B	0.030	54.154	0.462	0.986	0.116	17.386	0.108	41.825	-0.249	0.307
ABI1	0.220	0.171	0.721	0.944	0.149	14.770	-0.100	19.971	-0.392	0.166
ABI3	0.174	37.036	-0.286	1.086	-0.103	36.892	0.145	32.497	0.606	0.021
ABL2	0.233	0.529	0.652	0.569	0.141	54.331	0.834	0.573	0.312	36.831
ABLIM2	-0.038	55.170	-0.284	5.829	0.267	2.056	0.221	8.987	0.512	0.066
ABLIM3	-0.092	29.668	-0.507	0.305	-0.142	20.025	0.198	3.866	0.197	2.886
ACAD10	0.200	0.780	0.352	6.703	0.015	58.928	0.910	0.061	0.118	43.175
Acan	-0.407	0.171	-0.242	2.859	-0.351	9.255	0.190	23.450	-0.146	33.879
ACAT2	-0.103	44.812	-0.478	5.829	0.204	8.121	-0.773	0.061	0.486	0.021
ACBD3	-1.233	0.052	0.071	7.537	-0.431	0.092	-0.890	0.061	-0.460	0.021
ACCS	0.193	5.928	-0.456	0.935	0.305	0.240	-0.110	49.358	0.339	24.398
ACER2	0.083	49.540	0.072	10.404	0.253	2.056	0.346	19.971	0.474	0.021
ACOT9	0.248	7.743	0.626	0.514	-0.189	2.311	0.049	50.493	-0.430	0.119
ACP1	-0.150	49.540	0.672	0.445	-0.301	26.120	0.533	0.292	-0.773	0.471
ACP2	-0.258	12.647	0.470	1.772	-0.162	33.124	-0.406	19.971	-0.664	0.021
ACSL1	-0.326	15.278	0.503	0.877	-0.348	1.556	-1.019	0.061	0.295	24.398
ACTG2	-0.259	0.170	0.390	0.595	0.565	4.733	-0.289	41.825	-0.274	24.398
ACTL6A	0.260	1.431	0.753	0.514	-0.036	56.823	-0.314	27.828	-0.135	31.624
ACTR3B	0.697	0.052	0.969	0.569	-0.159	2.659	-0.337	11.241	-0.411	6.001
ACVR2A	0.136	44.812	0.574	0.300	-0.537	2.311	0.487	16.936	-0.757	0.021
ADA	-0.167	1.431	-0.262	5.829	0.054	56.823	0.026	53.829	0.622	0.391
ADAM17	-0.237	5.928	0.279	7.537	-0.275	3.068	-0.913	1.210	-0.400	0.021
ADAM19	0.137	15.278	0.326	1.772	0.077	54.331	-0.774	1.617	-0.497	0.891
ADAM8	0.106	44.812	0.465	0.569	0.387	4.053	-0.444	32.497	0.153	31.624
ADAMTS1	-0.043	56.513	-0.173	11.783	-0.438	3.475	-0.721	0.906	0.118	44.203
ADAMTS2	-0.969	0.052	-0.911	0.986	0.138	41.103	0.509	1.210	0.781	0.045
ADAMTS20	0.298	0.666	0.418	0.300	0.173	26.120	0.164	13.893	0.121	43.008
ADAMTS7	-0.191	18.587	0.240	1.086	0.163	54.331	-0.191	32.497	1.174	0.021
ADAMTS9	-0.585	0.052	-0.902	2.859	0.134	29.328	-0.079	32.497	0.140	40.660
ADARB2	0.834	0.052	-0.520	2.859	0.558	0.092	-0.269	23.450	-0.341	0.391
ADAT1	0.125	44.812	-0.578	0.228	0.161	0.456	-0.556	0.109	0.307	24.398
ADCY1	-0.200	25.771	0.558	0.514	-0.069	56.823	-0.292	13.893	-0.427	0.993
ADCY4	-0.168	44.812	0.208	4.122	0.384	22.899	-0.193	32.497	0.939	0.021
ADCY7	-0.120	44.812	0.575	11.783	-0.334	10.694	0.814	0.506	1.133	0.084
ADCYAP1	0.103	44.812	-0.213	4.122	0.359	2.056	-0.545	0.341	-0.139	33.879
ADI1	-0.055	52.827	-0.602	0.107	0.103	20.025	-0.022	55.172	-0.251	0.166
ADM	0.282	0.052	-0.219	0.514			-0.480	0.250	-0.068	36.831
ADNP2	0.474	0.511	0.428	0.877	-0.181	3.475	0.098	11.241	-0.059	38.751
ADORA2A	-0.664	0.511	-0.272	3.009	0.134	54.331	0.199	19.971	0.130	14.822
ADRA2A	-0.152	3.157	-0.207	5.829	0.323	0.856	0.280	0.573	0.735	0.021
ADRB1	-0.140	9.997	0.678	0.514	0.102	54.331	0.247	0.121	-0.036	37.824
ADRBK1	0.222	0.529	0.484	1.029	0.715	1.819	0.195	23.450	0.583	0.021
AFAP1L1	-0.138	1.936	-0.478	0.784	0.371	3.068	-0.505	13.893	0.436	0.166
AFF3	0.189	21.797	0.527	0.514	-0.196	36.892	-0.173	27.828	-0.119	37.824
AFF4	-0.714	0.052	-0.576	2.773	-0.409	10.694	0.388	27.828	0.529	0.993
AFG3L1	-0.067	52.218	0.528	0.445	-0.208	9.255	0.378	1.332	0.375	11.001
AFP	-0.061	57.109	-0.771	1.086	-0.558	22.899	0.964	0.061	1.856	0.021
AFTPH	-0.136	49.540	0.253	6.703	-0.309	0.440	0.741	2.415	-0.714	0.021
AGA	0.454	0.666	0.509	0.986	-0.198	0.856	0.339	32.497	0.042	44.052
AGBL5	-0.418	0.398	-0.304	3.009	0.153	33.124	-0.064	41.825	0.628	0.039
AGPAT1	-0.096	49.540	-0.387	0.784	0.138	20.025	0.402	13.893	0.498	0.021
AGPAT2	-0.061	49.540	-0.103	9.629	-0.265	14.770	0.409	4.906	0.777	0.021
AGPAT9	0.170	1.431	0.543	0.107	0.203	2.311	1.009	0.061	-0.493	0.021
AGPS	-0.436	4.284	0.570	0.107	0.072	49.127	-0.452	13.893	-0.533	0.391
AGR2	-0.476	0.052	-0.290	0.986	-0.056	58.611	0.401	23.450	-0.202	14.822
AGT	-0.488	0.052	0.356	0.420	-0.713	0.092	0.530	0.292	0.821	0.062

Gene	C1a	C1b	C2a	C2b	C3a	C3b	C4a	C4b	C5a	C5b
AGTR1	0.457	29.668	-0.660	0.180	-0.288	29.328	-0.846	0.061	-0.663	0.021
AGXT2L1	-1.083	0.052	-0.269	0.595			1.063	0.947	1.153	0.213
AHCTF1	0.265	21.797	0.726	1.212	0.209	0.856	0.375	1.332	-0.272	31.624
AHCYL2	-0.505	0.666	0.282	2.300	-0.319	2.659	0.493	0.061	-0.714	0.021
AHDC1	-0.170	9.997	0.282	0.354	-0.213	29.328	0.164	32.497	0.780	0.021
AHNAK	-0.288	0.052	-0.300	0.784	0.657	0.092	-0.644	0.727	0.976	0.021
AIF1	-0.188	44.812	-0.089	0.264	-0.106	29.328	0.451	0.061	0.841	0.021
AIFM2	0.377	44.812	0.427	0.354			-0.215	0.947	0.220	24.398
AIM1	-0.508	0.052			-0.142	54.331	-0.171	52.656	0.517	11.001
AK2	-0.221	7.743	-0.301	2.123	0.213	49.127	-0.481	0.855	-0.853	0.066
AKAP10	0.321	0.126	0.594	0.595	0.387	2.659	0.146	23.450	-0.427	0.045
AKAP8	-0.036	55.559	0.321	3.009	-0.043	58.928	-0.570	0.506	0.229	24.398
AKAP9	0.074	44.812	0.222	2.773	0.133	20.025	-0.197	2.913	-0.571	0.021
AKR1B10	0.092	49.540	-0.384	2.123	-0.260	0.240	0.747	0.399	0.951	0.021
AKT3	0.114	37.036	0.266	5.829			0.619	0.061	-0.296	0.471
ALAS2	-0.192	4.284	-0.408	0.944	-0.164	22.899			0.625	0.119
ALDH16A1	-0.061	57.109	-0.650	0.514	0.749	0.092	-0.032	49.358	0.555	0.119
ALDH1A1	-0.146	55.870	-0.116	4.122	0.256	0.402	0.115	32.497	0.425	0.993
ALDH1A2	-0.637	0.052			-0.220	49.127			0.383	4.218
ALDH1B1	0.137	5.928	0.145	13.299			-0.184	13.893	-0.519	0.021
ALDH1L2	0.056	44.812	-0.380	0.859	0.118	33.124	-0.242	19.971	0.370	24.398
ALDH3B1	-0.174	37.036	-0.230	2.859	0.647	0.724	0.294	0.727	0.646	0.269
ALDOC	-0.040	49.540	-0.512	4.122	0.217	20.025	0.111	23.450	0.587	0.021
ALOX12B	0.072	54.154	-0.283	0.784	0.471	0.092	0.166	1.332	0.654	0.391
ALPK3	0.374	0.052	0.152	6.703	0.366	5.705	-0.505	27.828	-0.344	0.039
ALS2	0.274	0.171	-0.423	2.773	-0.164	14.770	-0.686	0.250	-0.336	0.119
AMHR2	0.604	0.126	0.299	5.829	0.519	3.068	-0.495	32.497	0.007	44.052
AMIGO2	-0.430	12.647	0.326	1.029	-1.051	0.724			-0.577	24.398
AMPH	-0.604	0.052			-0.372	0.092	0.056	47.420	0.093	44.052
AMZ1	-0.329	9.997	0.094	9.629	0.059	54.331	0.657	0.061	0.523	0.649
ANAPC16	0.019	56.130	0.230	5.829	0.031	58.074	-0.558	0.061	-0.446	0.471
ANGPTL4	0.091	44.812	-0.197	8.881	0.169	49.127	0.211	0.727	0.610	0.039
ANK1	0.441	0.171	0.253	4.122	-0.219	9.255	0.430	0.061	0.234	14.822
ANK2	-1.015	0.052	-0.467	6.703	-0.661	0.092	-1.733	0.061	-0.439	0.993
ANKRD11	-0.585	0.052	-0.348	2.773	-0.656	0.092	-0.374	11.241	0.431	0.649
ANKRD26	0.547	5.928	0.244	0.986	-0.640	0.092	-0.687	0.061	-1.114	0.021
ANKRD44	0.073	52.827	0.390	1.772	0.123	36.892			0.952	0.021
ANTXR1			0.561	0.986	0.098	33.124	-0.538	1.210	0.493	0.993
ANTXR2					-0.508	0.819	-0.075	41.825	-0.059	41.878
ANXA2	-0.081	29.668	0.282	8.881	0.290	1.309	-0.349	0.727	0.692	0.021
ANXA3	-0.332	12.647	0.404	1.772	0.395	0.440	0.181	41.825	1.000	0.021
ANXA4	-0.291	0.171	-0.240	4.122	0.116	36.892	-0.100	47.420	0.511	0.977
ANXA5	-0.234	5.928	0.331	1.212	0.154	17.386	-0.054	51.354	0.561	0.269
ANXA6	-0.537	0.052	0.444	2.123	-0.202	33.124	0.170	49.358	-0.430	0.993
ANXA7	0.151	15.278	0.455	5.829	-0.263	14.770	-0.243	0.177	-0.530	0.021
ANXA8/ANXA8L1	-0.193	0.666	-0.716	0.428	-0.061	49.127	0.058	51.354	0.199	24.398
AOC2	0.317	25.771	0.194	13.299	0.204	12.575			-0.676	0.021
AP1G1	-0.829	0.170	0.404	1.457	0.196	17.386	-0.163	1.332	-0.619	0.021
AP3M1	0.208	2.450	-0.402	2.123	-0.172	5.705	0.230	1.332	-0.533	0.066
AP3M2	-0.172	49.540	0.321	1.663	-0.242	36.892	-0.128	41.825	-0.579	0.021
AP3S1	0.141	44.812	0.653	0.420	-0.094	49.127	-0.048	51.354	-0.333	0.021
APBA1	-0.468	0.052	-0.602	0.514	0.449	0.092	0.173	49.358	0.179	24.398
APBB2	-0.562	0.052	-0.093	11.783	-0.438	1.819	-0.185	0.573	-0.527	0.213
APH1B	0.086	51.013	0.364	2.614	0.047	58.074	0.233	8.987	-0.401	0.993
APLF	0.301	0.666	0.346	1.534	0.122	49.127	0.663	0.061	0.319	11.001
APLN	-0.302	1.431	-0.332	3.205	0.040	49.127	-0.400	0.061	-1.109	0.021
APLNR	0.013	55.559	-0.242	2.859	0.393	0.092			-0.183	24.398
APOBEC1	-0.365	21.797	-0.326	6.703	-0.224	26.120	-0.057	53.272	0.839	0.066
APOC1			-0.242	4.122	0.078	49.127	-0.047	47.420	0.784	0.021
APOC2	0.088	44.812	-0.135	6.703	0.020	58.611			0.536	0.269
APOC3	-0.267	44.812	0.291	0.944	-0.250	2.056	0.976	0.130	0.866	0.021
APOD	-0.461	2.450	0.542	1.663	0.099	41.103			0.603	0.021
APOE			0.180	6.703	0.091	49.127	0.088	47.420	0.620	0.021
APOL2	0.134	12.647	-0.537	0.204	0.067	41.103	0.120	41.825	0.507	0.891
APP	-0.480	0.052	0.507	4.122	-0.402	3.475	0.369	19.971	-0.850	0.021
AQP4	-0.325	0.052	0.533	0.300	0.154	10.694	0.197	0.399	0.697	0.021
ARAP2	0.119	15.278	0.662	1.534			-0.130	19.971	-0.575	0.045
ARAP3	0.273	0.324	0.484	0.595	-0.024	60.505	0.184	8.987	0.435	0.119

Gene										
ARC	0.583	0.052	0.311	0.569	0.271	1.098	-0.052	52.656	0.080	36.831
ARF3	0.154	37.036	0.714	0.264	0.015	59.432	-0.042	47.420	-0.381	0.045
ARFGEF2	0.259	1.431	0.577	1.029	-0.124	9.255	0.316	5.543	-0.317	0.021
ARHGAP24	-0.369	0.171	-0.899	2.614	-0.295	0.240	-0.274	27.828	-0.218	11.001
ARHGAP26	-0.281	44.812	0.410	0.107	0.176	22.899	-1.234	0.061	-0.504	24.398
ARHGAP4	-0.098	52.218	-0.568	0.772	0.283	20.025	-0.343	23.450	-0.067	38.751
ARHGAP42	-0.208	2.450	-0.522	0.107	-0.511	0.092	0.130	32.497	-0.646	0.021
ARHGAP44	0.069	44.812	0.067	8.253	-0.146	22.899	-0.143	8.987	-0.548	0.021
ARHGAP5	-0.097	44.812	0.727	0.514	0.041	59.793	0.770	0.250	-0.913	0.084
ARHGAP6	-0.555	0.052	0.200	2.614	0.266	8.121	-0.564	0.399	0.478	24.398
ARHGAP9	-0.081	52.827	-0.219	2.123	0.161	29.328	-0.031	53.272	0.521	0.021
ARHGDIB	0.132	49.540	0.129	2.614	0.021	59.793			0.728	0.084
ARHGEF2	0.502	0.930	0.367	7.537	0.212	1.556	0.306	5.543	0.178	37.824
ARHGEF3	0.576	7.743	0.687	0.420	0.041	56.823	0.091	41.825	-0.190	4.218
ARHGEF6	-0.620	0.052	0.645	1.289	-0.486	0.856	0.527	19.971	-0.460	0.746
ARID4A	0.355	4.284	0.556	0.944	-0.169	54.331	-0.388	0.399	-0.500	0.021
ARL1	0.068	49.540	0.707	0.354			-0.107	41.825	-0.334	0.039
ARL4C	0.061	44.812	0.159	2.773	0.060	54.331	0.403	0.292	0.439	0.891
ARL4D	0.384	0.529	0.435	0.514	0.152	8.121	0.082	32.497	-0.054	31.624
ARL6					-0.094	17.386	0.052	47.420	-0.507	0.021
ARMC9	0.140	21.797	0.405	0.669	0.249	33.124	0.372	0.341	0.216	33.879
ARPC1B	-0.080	44.812	-0.316	5.829	0.048	49.127	0.145	47.420	0.893	0.021
ARPP19	0.268	0.511	0.777	0.569	0.237	3.068	0.140	2.913	0.460	0.084
ARPP21	-0.257	44.812	-0.206	0.784	0.341	22.899	-0.148	5.543	-0.441	0.129
ARRB2	0.069	37.036	-0.380	0.784			0.303	2.415	0.400	0.021
ASAH2	-0.268	0.666	0.397	1.663	0.026	58.928	-0.419	0.353	-0.668	0.021
ASAP2	0.023	55.170	0.667	0.514	0.060	49.127	0.041	54.831	-0.150	1.977
ASB11	-0.216	0.930	0.278	1.772	-0.369	4.053	-0.076	52.124	-0.678	0.021
ASPA	-0.452	0.262	-0.642	2.859	-0.113	26.120	-0.125	52.124	-0.265	24.398
ASPG	-0.113	15.278	-0.231	1.534	0.342	0.092	0.292	11.241	1.214	0.021
ASPH	-0.335	0.529	0.557	2.859	-0.281	9.255	0.595	0.399	-0.408	0.119
ASXL2	0.139	44.812	0.415	3.205	-0.431	0.092	-0.994	1.332	-0.230	6.001
ATAD2	0.285	33.231	0.648	0.445	-0.126	55.771	0.128	11.241	0.251	0.746
ATAD5	-0.356	0.052	-0.197	0.514	-0.240	17.386	-0.098	41.825	-0.632	0.119
ATAT1	0.211	29.668	0.129	6.703	0.290	0.641	-0.447	13.893	0.466	0.021
ATE1	0.068	51.013	0.205	0.514	0.602	0.440	-0.451	4.906	-0.438	0.891
ATF1	0.210	33.231	0.677	0.514	0.112	49.127	-0.284	5.543	0.817	0.021
ATF2	-0.607	0.511	0.593	0.944	-0.403	8.121	0.446	0.061	-0.917	0.021
ATF5	0.021	54.701	0.386	1.772	-0.021	59.432	0.039	51.354	0.509	0.039
ATG10	-0.129	33.231	-0.293	5.829	-0.224	2.311	0.202	4.906	-0.516	0.021
ATIC	-0.234	51.013	-1.479	0.569	-0.524	0.240	-0.106	51.354	0.168	36.831
ATL2	0.204	2.450	0.420	0.457	0.402	3.068	0.297	4.906	0.080	39.468
ATM	0.390	0.511	-0.274	4.122	0.064	49.127	-0.178	27.828	-0.525	0.021
ATMIN	0.171	37.036	-0.358	2.300	0.088	26.120	0.131	41.825	0.706	0.021
ATN1	0.020	55.170	-0.390	5.829	0.129	49.127	0.183	41.825	0.589	0.021
ATOX1	0.036	49.540	-0.158	5.829	-0.203	1.819	-0.698	0.061	0.167	31.624
ATP13A3	-1.216	0.052	0.815	0.514	-0.096	54.331	0.072	52.656	0.425	24.398
ATP1A1	-0.076	49.540	0.129	11.783	0.285	4.053	0.143	47.420	0.529	0.649
ATP2A1	0.233	44.812	0.177	8.881	0.624	0.092	-0.785	0.061	0.710	0.993
ATP2B1	-0.141	9.997	0.692	1.289	0.170	12.575	-1.063	3.866	-0.730	0.045
ATP2C1	-0.464	0.171	0.226	4.122	-0.431	0.240	0.490	16.936	-0.623	0.021
ATP2C2			0.287	1.534	-0.258	41.103	0.773	0.292	-0.083	40.051
ATP4A	-0.053	56.874	0.085	12.522	0.662	4.733	-0.365	0.727	-0.400	0.746
ATP5F1	0.013	57.109	0.465	0.595	-0.139	3.068	0.078	47.420	0.383	33.879
ATP6V0A2	0.137	15.278	0.421	1.534	0.082	33.124	0.272	0.947	0.438	0.021
ATP8A1	-0.259	0.126	0.738	0.669	-0.582	0.517	-0.090	23.450	-0.540	0.993
ATRNL1	-0.521	0.052	0.543	0.267	-0.177	49.127	-0.337	1.210	0.395	0.993
AUH	0.455	0.052	-0.436	0.784	0.671	1.556	-0.841	0.947	0.548	0.021
AUTS2	0.090	37.036	-0.378	0.514	0.098	41.103	0.249	7.099	-0.391	0.649
B2M	-0.116	18.587	-0.436	3.205	0.120	49.127	-0.100	41.825	0.902	0.021
B3GALNT1	0.400	9.997	-0.412	0.569	0.041	55.771	-0.116	32.497	-0.154	24.398
B3GALT2	0.210	18.587	0.185	6.703	-0.195	1.819	0.486	0.913	0.256	33.879
B3GAT1	0.341	0.666	0.454	0.514	-0.074	55.771	-0.099	11.241	-0.155	24.398
B3GNT2	0.320	33.231	0.705	0.264	0.227	3.068	-0.042	50.493	-0.188	1.977
BACE2	0.795	0.324	0.065	8.881	-0.638	0.092	-0.869	0.399	0.621	0.021
BACH1	-0.353	0.780	-0.593	1.289	-0.405	5.705	0.234	32.497	-0.322	4.218
BACH2	-0.307	0.126			-0.148	14.770	-0.319	11.241	-0.563	0.021
BAD	-0.228	12.647	0.428	0.514	0.468	0.092	0.548	13.893	0.404	0.993

Gene										
BAG4			0.688	0.877	0.091	29.328	0.140	47.420	-0.775	0.119
BAI3	0.209	9.997	0.686	0.514	0.207	5.705	-0.256	0.177	-0.620	0.045
BATF	-0.379	2.450	-0.191	2.300	-0.132	41.103	-0.705	1.878	0.696	0.021
BATF3			-0.133	0.784	0.202	36.892	0.216	32.497	0.443	0.601
BAZ2A	-0.115	49.540	-0.197	1.534	-0.103	58.406	-0.406	0.292	-0.064	33.879
BBC3	0.044	52.827	0.146	4.122	-0.229	12.575	0.170	32.497	0.583	0.021
BBIP1	0.057	44.812	0.385	5.829	-0.162	29.328	-0.059	47.420	-0.564	0.021
BBS1	0.663	0.052	0.589	0.602	-0.227	49.127	-1.179	0.061	-0.637	0.269
BBS5	0.033	54.701	0.646	0.595	-0.076	49.127	0.254	7.099	-0.358	0.993
BCKDHB	0.094	44.812	0.217	0.514					-0.411	0.021
BCL11A	-0.211	44.812	-0.379	3.009	-0.517	0.998	0.102	41.825	0.366	1.977
BCL2	0.164	44.812	0.531	0.929	0.223	6.932	0.342	11.241	0.397	0.213
BCL2A1	0.322	1.098	0.354	0.986	0.011	60.505			1.952	0.021
BCL2L2	-0.238	49.540	0.248	4.122	0.452	1.098	0.427	0.250	0.510	0.021
BCL3					-0.033	60.231	0.140	5.543	0.598	0.021
BCLAF1	-0.767	0.052	0.532	1.663	-0.399	10.694	-0.480	23.450	0.499	24.398
BDNF	0.181	0.780	0.866	0.669	0.225	2.056	-0.118	19.971	-0.942	0.021
BDP1	-0.198	0.666	-0.816	0.935	-0.102	54.331	-0.791	1.878	0.413	0.993
BECN1	0.185	12.647	0.537	1.086	0.032	58.074	0.100	47.420	-0.417	0.021
BEND3	-0.256	0.529	-0.425	3.205	0.059	54.331	0.431	0.130	0.088	39.468
BEND6	0.088	21.797	0.405	5.829	0.012	59.793	0.196	2.415	-1.175	0.021
BFSP2	-0.217	0.171	-0.286	8.253	0.343	3.068	0.175	19.971	0.926	0.021
BHLHE22	0.116	25.771	-0.138	4.122	0.345	1.309	0.387	4.906	0.603	0.021
BHLHE22	-0.402	0.930	1.110	1.029	-0.205	14.770	-0.139	41.825	-0.551	4.218
BICD2	-0.094	37.036	0.734	0.595	0.215	54.331	0.241	23.450	-0.371	0.119
BIN1	-0.508	0.052	0.499	2.859	-0.110	26.120	-0.486	32.497	-0.405	0.977
BIRC5	0.040	53.690	-0.134	8.881	0.296	0.659	-0.033	52.124	0.523	0.269
BIRC6	-0.246	0.666	-0.419	0.223	0.067	54.331			-0.025	39.468
BLCAP			-0.217	5.829	0.094	58.074	0.409	41.825	0.435	0.977
BLNK	-0.239	0.511	-0.161	6.703	-0.172	49.127	-0.196	23.450	0.489	0.891
BLVRB	0.212	5.928			0.093	33.124	0.055	49.358	0.560	0.119
BLZF1	0.087	51.013	-0.318	0.354	0.313	0.440	-0.310	0.947	-0.653	0.021
BMF	-0.075	33.231	-0.727	3.205	-0.046	56.823	-0.588	1.878	1.246	0.021
BMP2K	-0.507	0.052	-0.967	0.514	0.123	54.331	0.521	23.450	0.857	0.021
BMP6	-0.306	21.797	-0.122	0.784	0.464	0.092	-0.535	0.061	0.084	35.531
BMP7	-0.301	5.928			0.505	3.068	0.409	0.332	0.231	6.001
BMPER	0.130	44.812	-0.284	8.253	-0.388	41.103	0.370	47.420	-1.108	0.021
BMPR2	-0.661	0.052	0.377	1.663	-0.635	0.856	-0.275	0.109	-0.214	8.002
Bnip3	0.043	54.154	0.350	2.614	-0.136	22.899	-0.057	47.420	-0.592	0.021
BPNT1	0.087	49.540	0.403	0.595	0.130	49.127	0.074	49.358	0.212	24.398
BRCA1	0.450	0.324			0.194	41.103	-0.457	2.415	-0.142	33.879
BRDT	0.247	3.157	0.505	0.859	0.112	22.899	0.208	41.825	-0.088	33.879
BTAF1			0.619	4.122	0.089	20.025			-0.415	0.039
BTBD3	0.057	51.013	0.287	11.783	-0.205	26.120	-0.334	0.250	-1.074	0.021
BTBD9	0.192	33.231	0.217	1.663	0.105	17.386	0.433	1.878	-0.867	0.307
BTG2	-0.626	0.052	0.500	0.180	-0.355	26.120	0.559	13.893	0.206	36.831
BTK	-0.487	2.450	-0.499	0.595	-0.184	3.068	0.849	2.913	1.095	0.021
BUB3	-0.945	0.171	0.253	0.514	-0.409	49.127	-0.421	11.241	0.151	11.001
BYSL	0.264	2.450	-0.310	0.514	0.082	33.124	0.171	19.971	0.469	0.021
BZW1	0.289	4.284	0.574	0.784	-0.285	2.311	-0.211	2.913	-0.448	0.021
C10orf54	-0.191	44.812	0.145	3.009	-0.143	54.331	0.288	41.825	0.705	0.021
C10orf81	0.530	0.262	0.365	2.123	0.423	8.121	0.060	47.420	0.656	0.021
C12orf35	-0.204	0.666	0.370	0.784	-0.416	0.092	0.070	47.420	0.096	31.624
C12orf5	0.146	44.812	0.352	1.086	-0.302	2.311	0.493	0.061	-0.537	0.021
C12orf51	-0.595	0.262	-0.228	9.629	-0.606	0.092	0.245	1.210	0.598	0.045
C16orf45	-0.474	0.171	-0.123	4.122	-0.480	0.281	0.126	41.825	0.174	8.002
C16orf62	0.503	0.284	0.187	6.703	0.231	4.733	0.114	27.828	0.222	14.822
C16orf74	0.059	49.540			0.198	2.056	-0.088	47.420	0.424	0.193
C16orf88	0.691	0.052	0.276	1.029	0.067	57.395	0.597	0.341	0.211	14.822
C17orf59	0.264	0.262	0.211	8.253	0.270	17.386	0.531	19.971	-0.801	0.021
C17orf70	0.331	0.262	-0.134	2.859	0.049	54.331	-0.510	0.061	-0.617	0.021
C19orf12	0.030	54.701	0.131	0.514	0.088	41.103	0.085	41.825	0.482	0.084
C1GALT1	0.207	0.930	0.659	0.514	-0.063	49.127	-0.184	23.450	-0.424	0.119
C1orf159	0.058	54.154	0.480	1.772	0.077	41.103	0.196	41.825	-0.484	0.021
C1orf168	0.059	53.690	0.085	6.703	-0.354	33.124	-0.551	5.543	-0.722	0.649
C1orf190	0.314	0.126	0.420	1.663	0.061	54.331	0.511	0.061	0.457	0.119
C1orf38	0.059	49.540	-0.290	0.877	0.406	0.517	-0.136	13.893	1.118	0.021
C1QA	0.047	56.130			0.116	5.705	-0.074	27.828	1.066	0.021

C1QB			-0.340	2.859	0.059	49.127	0.086	32.497	0.870	0.021
C1QC	0.023	56.513			0.133	9.255	0.255	1.878	1.141	0.021
C1QTNF5	-0.298	0.529	-0.236	5.829	0.138	12.575	-0.180	1.617	0.462	0.129
C20orf194	0.575	0.780	0.499	2.614	0.389	8.121	-0.508	8.987	0.892	0.993
C20orf94	-0.050	52.827	0.248	2.123	0.110	49.127	-0.316	1.878	0.576	0.021
C21orf91	-0.296	52.218	-0.659	1.663	-0.223	9.255	0.907	0.061	-0.567	0.891
C3	-0.152	37.036	-0.134	5.829	-0.086	41.103	0.052	47.420	1.218	0.021
C3orf67	-0.436	0.398	-0.254	2.614	0.088	49.127	0.061	47.420	0.653	0.021
C4B	0.058	51.013	0.276	1.772	0.254	2.311	0.539	0.855	0.595	0.021
C4orf19	0.227	21.797	-0.402	0.986	-0.079	55.771	0.242	47.420	0.688	0.021
C4orf33	0.355	0.398	0.133	5.829	-0.329	3.475	0.436	0.177	0.400	0.045
C4orf43	0.278	25.771	0.527	0.300	0.041	54.331	0.152	19.971	-0.236	0.746
C6orf222	0.107	44.812	0.196	2.773	0.540	0.819	0.366	4.906	0.113	40.051
C6orf35	0.231	1.098	0.345	6.703	0.433	3.068	-0.319	32.497	-0.789	0.039
C7orf36	-0.545	0.171	0.797	1.212	-0.273	12.575	-1.584	0.061	-0.449	0.021
C7orf57	0.165	0.666	-0.127	4.122	-0.259	36.892	-0.551	0.121	0.214	33.879
C7orf60	0.069	49.540	0.755	0.514	0.073	36.892	-0.222	19.971	-0.502	0.391
C8orf34	-0.047	49.540	-0.201	0.784	-0.170	33.124	-0.447	0.061	-0.607	0.021
C8orf4	0.103	44.812	-0.378	3.205	-0.315	5.705	0.215	41.825	0.666	0.213
C9orf71	0.189	0.780	-0.231	3.205	0.200	17.386	0.164	47.420	0.716	0.021
CA13	0.567	0.170	0.870	0.107					-0.097	38.751
CA5B	-0.301	9.997			0.226	3.068	-0.367	4.906	0.503	0.391
CAB39	0.145	37.036	0.621	2.123	-0.126	36.892			-0.326	0.021
CACNA1B	0.084	49.540	0.575	0.986	0.158	3.068	0.321	0.130	-0.380	0.269
CACNA1C	0.165	5.928	0.332	0.986	-0.269	22.899	0.689	1.332	0.765	0.066
CACNA1E	-0.305	18.587	-0.315	5.829	0.121	14.770			-0.429	0.269
CACNA2D1	-0.545	0.398	0.403	5.829	-0.372	1.309	-0.826	0.109	-0.264	1.977
CACNG2	0.245	4.284	-0.478	0.514	0.359	3.475	-0.724	0.399	0.661	0.307
CACNG5	-0.709	0.052			-0.642	10.694			-0.476	24.398
CADPS2	-0.200	5.928	0.856	0.986	-0.115	33.124	0.383	11.241	0.421	0.471
CALB2	-0.368	0.171	-0.447	0.180	-0.508	0.281	0.471	0.121	0.395	0.391
CALCRL	-0.521	0.052	-0.226	4.122	-0.481	0.092	0.364	41.825	-0.263	24.398
Cald1	-0.168	21.797	-0.092	11.783	-0.344	3.068	-0.291	19.971	-0.382	0.746
Calm1	0.088	44.812	0.502	0.300	-0.136	33.124	-0.154	1.332	-0.493	0.084
CAMK1	0.087	12.647	0.494	0.829	0.278	0.724	-0.369	27.828	0.315	6.001
CAMK2D	-0.416	3.157	0.367	3.009	0.995	0.092	0.271	0.121	0.298	31.624
CAMK4	-0.201	44.812	0.270	0.445	-0.508	0.092	-0.591	0.353	-0.754	0.039
CAMKMT	-0.056	57.109	0.196	11.783	-0.284	3.068	-0.416	0.109	-0.163	37.824
CAMTA1	0.045	49.540	0.101	7.537	-0.069	58.074	-0.146	5.543	-0.436	0.891
CANT1	0.115	37.036	-0.514	0.223	0.160	6.932	0.145	47.420	0.414	24.398
CAP1	-0.289	0.170	-0.577	0.986	-0.248	22.899	-0.166	11.241	-0.492	0.021
CAPG	-0.077	57.367	-0.164	2.859	-0.108	33.124	0.608	0.061	0.860	0.021
CAPN3	0.317	21.797	0.440	0.663	0.035	58.074	-0.032	53.272	0.382	4.218
CAPSL	-0.313	0.511	0.326	0.174	0.130	58.406	0.269	47.420	-0.520	0.021
CARD6	-0.403	2.450			-0.167	54.331	0.606	0.061	-0.235	0.391
CARKD	-0.436	0.052	0.204	5.829	-0.290	4.733	-0.218	7.099	-0.286	0.649
CARTPT	-0.628	0.780	-0.148	4.122	0.191	12.575	-0.177	2.415	-0.328	24.398
CASP12	0.117	44.812	-0.148	4.122	0.113	49.127	-0.111	27.828	0.678	0.021
CASP8	0.115	51.013			-0.050	54.331	-0.293	19.971	0.433	0.901
CAV1	-0.182	4.284	-0.433	2.773	0.118	33.124	-0.152	23.450	0.473	0.307
CAV2	0.455	1.098	0.455	0.445	0.477	4.053	0.259	47.420	0.566	0.021
CBLN1	-0.352	0.398	-0.102	4.122	0.292	0.240	0.338	0.573	0.464	0.021
CBX3	-0.441	0.398	-0.582	2.123	-0.463	0.092	0.255	49.358	0.418	0.021
CBX8	0.166	12.647	-0.370	5.829	0.194	0.856	-0.322	47.420	0.688	0.045
CCBE1	-0.548	0.171	0.211	5.829	0.027	58.406	0.227	11.241	-1.500	0.021
CCBL1	0.107	37.036	-0.449	0.935	0.031	56.823	-0.044	49.358	0.124	37.824
CCDC102A			0.108	5.829	-0.403	0.856	-0.097	47.420	0.926	0.021
CCDC109B	0.037	54.154	0.451	0.122	0.107	36.892	0.071	41.825	0.516	31.624
CCDC19	-0.415	9.997	0.295	0.602	-0.139	9.255	0.371	2.913	-0.402	0.891
CCDC25	-0.543	0.052	0.695	1.457	-0.342	1.098	0.274	2.415	0.249	24.398
CCDC64	0.280	33.231	-0.098	3.205	0.051	54.331	-0.492	0.947	-0.246	1.193
CCDC80	-0.150	1.098	-0.103	10.404	0.324	0.659	-0.134	52.124	0.628	0.021
CCDC85A	-0.587	0.511	-0.875	1.086	-0.272	2.659	0.615	11.241	-0.369	0.993
CCDC88A	-0.484	0.052	-0.687	2.123	-0.382	6.932	-0.254	32.497	-0.555	0.021
CCHCR1	0.255	33.231			0.212	2.056	0.455	0.177	-0.192	31.624
CCKBR	-0.476	0.052	-0.128	12.522	0.365	0.659			-0.588	0.891
CCL13	-0.378	4.284	0.175	4.122	0.247	2.659	0.116	41.825	1.205	0.021
CCL2	-0.526	0.093	-0.357	2.773	-0.425	1.819	0.196	23.450	1.683	0.021

Gene										
CCL3									1.616	0.021
CCL4	-0.277	37.036	-0.946	1.772	0.316	2.659	0.231	52.656	1.491	0.021
CCL5	-0.275	18.587	-0.125	5.829	-0.343	20.025	-0.081	47.420	0.595	0.021
Ccl6					-0.216	2.659	0.700	0.353	1.754	0.021
Ccl9	-0.167	37.036	-0.346	2.123	-0.318	0.440	0.120	41.825	1.317	0.021
CCNB1IP1	-0.262	52.218			0.266	6.932	0.203	47.420	0.605	0.021
CCND1	0.051	52.218	0.310	3.205	0.231	1.819	0.215	0.353	0.702	0.129
CCND2	0.412	0.052	0.451	1.457	-0.262	33.124			0.051	42.212
CCNG1	0.073	44.812	0.752	0.986	0.108	54.331	0.251	0.250	-0.307	2.886
CCNI	-0.425	0.052	0.258	0.514	-0.212	10.694	0.425	41.825	0.313	0.649
CCNJL	-0.154	29.668	0.336	3.009	-0.324	2.311	-0.242	8.987	-0.674	0.993
CCNL1	-0.538	0.052	0.648	2.614	-0.071	41.103	0.743	0.061	0.211	24.398
CCNL2	0.410	0.930	0.605	0.602	-0.087	41.103	-0.244	0.727	-0.364	0.119
CCR5	-0.076	44.812	0.405	0.445					-0.720	0.021
CCR6	0.151	1.936	-0.209	3.009			-0.468	0.061	0.106	31.624
CCR9	-0.056	44.812	-0.403	0.986	0.035	56.823			-0.189	24.398
CCRL2	-0.153	3.157	0.320	0.514	-0.249	3.068	1.121	0.061	1.139	0.021
CD14	0.162	21.797	-0.101	6.703			-0.493	0.061	1.171	0.021
CD1D	0.434	21.797	0.936	0.107	0.054	55.771	-0.229	51.354	0.543	0.977
CD248	0.067	52.218	-0.110	12.522	0.143	17.386	0.431	0.506	0.256	0.891
CD300A	0.243	1.098	-0.520	0.595	-0.369	1.556	0.847	0.947	1.242	0.021
CD37	-0.075	44.812	-0.588	0.514	0.210	17.386	0.105	49.358	0.742	0.021
CD44	-0.198	54.701	0.185	3.205	-0.428	0.092	-0.554	1.878	1.940	0.021
CD48	-0.106	57.293	0.073	13.299	0.420	0.856	-0.877	0.250	1.419	0.021
CD52	-0.088	49.540			0.189	49.127			1.200	0.021
CD59	0.595	0.171			0.401	0.856	-0.702	0.061	-0.954	0.021
CD5L	-0.086	44.812	-0.298	4.122	-0.064	54.331	-0.507	2.415	0.929	0.129
CD6	0.116	37.036	-0.223	3.205	0.488	0.440	-0.064	41.825	-0.155	24.398
CD63	-0.186	7.743	0.297	0.602	0.069	33.124	-0.079	49.358	0.686	0.021
CD68	-0.170	49.540	-0.101	7.537	0.312	2.056	0.134	8.987	1.205	0.021
CD74	-0.138	44.812	-0.361	0.569	0.177	2.311	0.025	55.172	0.879	0.021
CD79B			0.239	0.514					0.661	0.021
CD82	0.192	12.647			0.118	4.053	0.394	0.061	0.541	0.649
CD86			-0.125	8.881	0.406	0.641	0.252	19.971	1.012	0.021
CD9	-0.294	0.171	0.426	1.086	-0.120	49.127	0.425	11.241	1.074	0.021
Cd99	-0.174	1.098	-0.374	3.009	-0.132	54.331	0.213	11.241	0.435	0.021
CDAN1	-0.066	44.812	0.283	2.614	0.032	57.395	-0.084	19.971	0.778	0.021
CDC20	-0.310	2.450	-0.894	2.123	-0.090	49.127			0.607	0.993
CDC40	-0.918	0.052	0.471	0.595	-0.241	0.641	-0.920	0.061	-0.471	0.045
CDC42	0.078	44.812	0.643	0.514	-0.152	22.899	-0.174	19.971	-0.431	0.021
CDC42BPA	0.164	44.812	-0.293	2.773	0.170	12.575	-0.086	41.825	0.587	0.307
CDC42EP1	-0.151	37.036	-0.191	0.784	0.032	55.771	0.322	16.936	0.598	0.039
CDC42EP3	-0.735	0.093	0.361	4.122	-0.189	49.127	0.082	54.831	0.452	41.258
CDC42EP4	-0.267	37.036	-0.466	1.534	0.118	33.124	0.274	1.210	0.962	0.021
CDC42EP5	0.035	53.690			-0.271	5.705	0.362	2.415	0.438	0.891
CDC6	-0.087	56.130	0.506	0.484	0.560	5.705	0.554	2.415	-0.516	0.746
CDCA4	-0.041	52.218	0.224	9.629			-0.262	0.177	-0.354	0.993
Cdca7	0.107	44.812	0.237	6.703	-0.047	60.505	-0.542	0.061	-0.280	11.001
CDH11	-0.532	0.529	-1.000	1.029	-0.063	49.127	0.332	23.450	-0.435	0.021
CDH20	0.149	2.450	0.294	7.537	0.153	6.932	0.287	11.241	0.486	0.893
CDH7	-0.635	0.171	0.117	9.629	0.530	9.255	-0.399	7.099	-0.411	0.039
CDK11A/CDK11B	0.142	21.797	0.398	2.773	0.069	41.103	0.083	41.825	0.307	6.001
CDK12	-0.345	0.262	0.452	1.772	0.073	41.103	0.203	1.210	0.107	40.051
CDK18	-0.119	44.812	0.123	7.537	-0.094	58.074	0.317	0.061		
CDK6	-0.394	0.093	-0.173	5.829	-0.064	55.771	-0.144	27.828	-0.113	31.624
CDKL5	-0.305	0.529	-0.573	0.445	-0.547	0.092	0.124	47.420	0.071	42.369
CDKN1C	-0.616	0.529			0.140	54.331	-0.798	0.061	0.088	33.879
CDKN2AIP	0.266	0.511	-1.228	1.772	-0.447	5.705	-0.716	4.906	-0.397	0.993
CDS2	-0.159	44.812	0.545	1.289	0.106	54.331	0.461	0.061	-0.326	0.129
CEBPA			0.296	0.300	0.127	22.899	0.205	23.450	0.582	0.021
CEBPB	0.323	33.231	0.127	11.093	0.324	0.641	0.173	11.241	0.671	0.066
CECR6	0.528	0.052	0.384	0.514	0.365	0.402	0.221	19.971	-0.294	0.746
CELF2	-0.446	0.052	0.400	0.514	0.055	57.395	-0.340	0.855	-0.425	0.166
CELSR3	0.055	53.690	0.681	0.484	0.168	33.124	0.442	7.099	1.059	0.021
CENPA	0.101	49.540	-0.433	3.009	0.099	36.892	-0.089	49.358	0.748	0.021
CENPE	-0.089	49.540	-0.316	6.703	-0.845	0.092	0.378	47.420	-1.044	0.391
CENPM	-0.181	44.812	0.335	0.514	-0.053	54.331	0.807	0.061	-0.665	0.021
CENTG2	-0.132	15.278	0.261	1.772	-0.249	12.575	0.201	3.866	1.089	0.021

Gene										
CEP120	0.137	33.231	-0.554	0.784	0.088	57.395	-0.179	8.987	-0.993	0.021
CEP152			-0.180	6.703	-0.098	54.331	-0.223	47.420	-0.788	0.021
CEP27	-0.559	0.780	0.366	0.569	-0.469	0.281	-0.401	2.415	-0.898	0.021
CEP55	-0.929	0.052	-0.154	4.122	0.832	0.092	0.183	27.828	-0.857	0.021
CES5A	-0.080	51.013	0.188	4.122	0.413	5.705			0.834	0.021
CES7	-0.324	7.743	-0.888	1.086	0.436	0.517	0.316	1.210	0.677	0.993
CFI	0.078	33.231	-0.221	5.829	0.081	49.127	0.199	1.878	0.893	0.021
CFLAR	-0.293	7.743	-0.582	1.289	0.289	0.641	0.359	13.893	0.534	0.269
CHAT	-0.115	3.157	-0.621	0.773	-0.041	56.823	0.036	52.656	0.143	31.624
CHCHD5	-0.144	44.812	-0.599	2.773	0.082	54.331	0.488	0.727	0.031	31.624
CHD1L	-0.117	49.540							1.277	0.021
CHD5	-0.405	0.171	0.461	0.514	0.204	4.733	0.235	27.828	0.124	31.624
CHFR	-0.554	0.052	0.628	0.595	0.040	55.771	-0.170	32.497	-0.112	31.624
CHI3L1	-0.061	56.513	-0.140	8.881	0.114	6.932	0.141	27.828	0.773	0.021
CHIC2	-0.101	33.231	0.549	0.180	0.045	58.074	0.034	52.656	-0.018	41.878
CHID1	0.258	7.743	0.508	0.428	0.093	41.103	-0.034	55.172	-0.026	40.051
CHKA	-0.233	0.262	0.612	2.773	-0.281	0.517	0.174	41.825	-0.440	0.746
CHL1	-0.344	29.668	-0.865	0.812	0.248	0.641	-0.153	13.893	0.228	24.398
CHMP1B	0.099	44.812	0.790	0.944	0.050	49.127			-0.436	0.021
CHMP6	0.406	0.052	-0.272	6.703	0.330	3.068			0.177	24.398
Chn1	0.226	0.529	0.520	4.122	-0.068	54.331	0.048	52.656	-0.347	0.269
CHPT1	-0.322	7.743	-0.316	2.859	-0.118	49.127	-0.584	0.061	0.190	14.822
CHRDL1	-0.487	9.997	0.402	1.772	0.902	1.309	0.278	3.866	1.076	0.119
CHRM1	0.169	3.157	0.285	5.829	0.034	58.074	0.446	0.727	-0.230	31.624
CHRM3	0.162	49.540	-0.800	1.534	-0.569	1.819	0.912	2.415	-0.270	6.001
CHRNA1	-0.635	0.126	0.502	0.264	0.162	54.331	-0.148	51.354	-0.202	24.398
CHRNA7	-0.653	0.647	-0.309	3.205	0.167	36.892	-0.185	32.497	0.046	43.965
CHST3	-0.488	0.324	-0.564	2.614	-0.100	36.892	0.073	51.354	0.255	0.977
CHTF8	0.171	18.587	-0.129	3.205	0.458	1.819	-0.299	23.450	-0.450	0.307
CIDEA	-0.300	7.743			-0.773	0.517	0.585	0.061	-0.179	37.824
CISH	-0.103	52.218	-0.143	4.122	0.025	59.793	0.093	51.354	0.449	0.993
CIT	-0.453	1.936	0.263	1.772	0.159	17.386	-0.365	0.506	0.273	33.879
CITED4	-0.093	37.036	-0.193	2.859	0.124	55.771	0.461	0.506	0.274	1.193
CKLF	0.184	29.668	-0.371	0.514	-0.194	8.121	0.213	41.825	0.425	0.471
CLDN11			0.163	0.784			-0.163	41.825	0.478	0.601
CLDN22	-0.360	15.278	0.200	5.829			-0.139	32.497	-0.556	0.993
CLDN23					-0.432	4.733			0.564	0.021
CLDND1	-0.276	21.797	0.408	0.514	0.288	14.770	-0.295	27.828	0.448	0.045
CLEC10A			0.539	0.174			0.383	47.420	0.532	0.891
CLEC1B									0.619	0.802
CLEC4A							0.287	41.825	0.560	0.021
Clec4b1	-0.049	54.701			0.054	54.331			0.721	0.045
CLEC5A	0.155	4.284	-0.165	13.299	-0.088	36.892	-0.405	7.099	0.962	0.021
CLEC7A	0.042	49.540	-0.151	5.829	-0.060	55.771			1.975	0.021
CLIC5	-0.176	5.928	-0.230	5.829	0.082	56.823	-0.760	0.810	0.599	0.993
CLIC6	-0.830	0.052	0.215	6.703	-0.306	4.053	-0.275	49.358	0.205	43.476
CLIP1	-0.149	44.812	-0.553	0.514	-0.257	1.819	0.047	47.420	-0.415	0.021
CLN8	0.375	1.936	0.455	0.107	0.601	0.092	-0.087	47.420	-0.670	8.002
CLOCK	0.364	0.171	0.545	1.772	-0.562	0.092	-0.267	1.878	-0.401	0.993
CLTC	0.171	29.668	0.655	0.784	-0.123	49.127	-0.443	3.866	-0.395	0.993
CLU	0.023	54.154			0.111	26.120	0.079	47.420	0.564	0.021
CLVS1	0.042	52.218	0.933	0.107	0.326	0.517	0.083	41.825	-0.575	0.021
CLYBL	0.341	0.052	0.531	2.300	0.126	33.124	-0.121	47.420	-0.518	0.021
CMAS	0.318	12.647	0.630	0.669	0.027	59.793	-0.106	16.936	-0.215	4.218
CMBL	-0.226	0.171	0.564	0.180	-0.142	20.025	0.059	41.825	-0.301	6.001
CMKLR1	-0.107	4.284	-0.417	0.784	-0.076	49.127	-0.048	55.172	-0.028	39.468
Cml5	0.165	44.812	0.474	0.784	0.150	33.124	-0.266	0.855	-0.422	0.993
CMTM7	0.274	29.668	0.383	1.029	0.079	54.331	0.086	11.241	0.683	0.021
CMTM8	-0.095	56.130	0.113	4.122	-0.528	0.092	0.495	0.506	-0.267	1.977
CNGB1	-0.733	0.324								
CNIH3	-0.107	49.540	0.801	0.669	-0.163	4.053	-0.137	49.358	0.454	0.021
CNKSR3	0.130	44.812	0.521	0.859	0.221	33.124	0.159	32.497	0.272	31.624
CNN3	0.074	44.812	-0.171	5.829	0.184	0.856	0.039	51.354	0.605	0.021
CNOT10	0.114	25.771	0.513	1.457	0.012	59.432	0.152	19.971	-0.738	0.021
CNOT3	-0.242	0.171	-0.504	0.944	0.217	4.053	0.290	47.420	0.737	0.891
CNOT6	0.041	56.513	-0.658	0.784	0.090	29.328	-0.104	13.893	-0.536	0.993
CNTLN	0.038	49.540	0.428	0.534	0.404	4.053	0.066	47.420	0.304	24.398
CNTN1	-0.038	52.827	0.140	4.122	-0.137	9.255	-0.167	23.450	-0.469	0.021

CNTN4	-0.124	3.157	0.389	5.829	-0.187	26.120	-0.545	1.332	-0.783	0.021
COBL	-0.497	0.052	-0.520	3.009	0.518	10.694	-0.453	3.866	0.048	43.476
COL16A1	0.070	52.218	0.533	0.484	0.072	49.127	0.647	0.130	0.951	0.021
COL18A1	-0.087	49.540	-0.170	3.205	0.467	0.556	0.545	5.543	0.273	11.001
COL1A1	-0.269	7.743	-0.320	6.703	-0.129	14.770	0.591	0.061	0.848	0.021
COL25A1	0.912	0.324	-0.501	0.514	-0.066	49.127	0.021	53.272	-0.026	40.051
COL4A1	0.064	49.540	0.372	1.086	0.034	54.331	-0.503	0.061	-0.379	0.045
COL4A2	0.267	4.284	0.294	4.122	0.082	49.127	-0.440	0.061	-0.660	0.021
COL5A1	-0.138	49.540	-0.221	4.122	0.171	55.771	0.424	27.828	0.923	0.021
COL5A3	0.082	52.827	-0.300	0.784	-0.256	2.056	0.939	0.061	0.975	0.021
COL6A3	-0.119	52.218	0.303	1.457	-0.501	0.092	0.223	7.099	0.081	33.879
COPZ2	0.094	44.812	0.445	4.122	0.477	0.641	0.446	1.617	0.603	0.021
COQ4	0.212	37.036	0.218	2.123	-0.141	29.328	-0.470	8.987	-0.598	0.021
COX6A2	-0.397	9.997	-0.352	4.122	0.334	0.092	0.119	41.825	0.573	0.993
CP	-0.270	29.668	-0.204	2.614	0.288	4.733	-0.350	0.121	0.338	4.218
CPE	0.239	1.431	0.674	0.445	-0.188	33.124	0.052	52.124	-0.476	0.084
CPLX2	-0.585	0.052	-0.247	8.253	0.347	26.120	0.283	19.971	-0.405	0.649
CPLX3	0.068	51.013	-0.519	0.859	0.604	3.475	-0.070	47.420	0.068	36.831
CPNE2	-0.224	0.780	-0.636	4.122	0.153	10.694	-0.146	41.825	0.517	0.021
CPNE4	-1.074	0.052	0.220	5.829	-1.033	0.092	0.863	1.617	-1.087	0.039
CPNE5	0.231	18.587	0.523	1.534	0.348	9.255	0.079	51.354	0.672	0.129
CPNE8	-0.043	54.701	0.729	0.420	0.063	41.103	0.206	16.936	0.403	0.993
CPNE9	-0.486	0.052	-0.228	6.703	0.465	3.068	-0.194	51.354	-0.572	14.822
CPSF2	-0.059	51.013	0.619	0.595	-0.360	12.575	0.703	0.506	0.249	0.649
CPSF3	0.302	0.930	0.451	0.986	0.195	17.386	0.071	47.420	-0.261	1.977
CPSF6	0.531	0.930	-0.296	2.859	0.012	59.793	0.371	23.450	-0.860	0.021
CPT2	0.063	49.540	-0.202	0.784	-0.276	0.240			0.476	0.891
CRABP1	0.632	0.171	0.339	0.354	0.413	4.733			0.322	11.001
CREB3L2	0.164	25.771	-0.261	0.595	0.476	0.092	-0.338	0.947	0.297	4.218
CREB5	0.302	7.743	0.445	0.514	-0.379	0.440	-0.320	41.825	0.871	0.993
CREBL2	-0.507	0.052	0.258	1.212	-0.178	49.127	0.301	0.130	0.664	0.213
CREG1	0.150	25.771	0.704	1.534	-0.116	26.120	0.089	52.124	-0.422	0.977
CRHR2	-0.188	33.231	-0.415	0.893	0.198	8.121	0.138	47.420	0.093	35.531
CRIM1	-0.763	0.093	0.281	5.829	-0.365	0.517	-0.390	23.450	-0.493	0.021
CRIP1	-0.074	49.540	0.445	0.595	0.251	0.440	-0.121	7.099	0.482	0.307
CRIP3			-0.444	0.986	0.221	0.856	0.060	47.420	-0.262	8.002
CRISPLD2	-0.146	9.997	-0.426	2.773	0.220	0.659	0.494	8.987	0.127	44.315
CRLF1	-0.300	21.797	-0.396	0.705	0.040	58.406	0.047	50.493	0.340	24.398
CRLS1	-0.125	44.812	0.691	1.289	-0.522	0.402	-0.098	13.893	0.371	31.624
CROT	-0.103	49.540	0.693	0.514	-0.103	22.899	0.279	1.617	-0.467	0.021
CRTAM	-0.079	49.540	-0.168	4.122	-0.205	20.025	-0.568	0.987	0.119	31.624
CRYAA	-0.672	0.052			-0.203	36.892	0.278	2.415	0.263	24.398
CRYBA4	-0.340	33.231			-0.207	54.331	0.309	27.828	0.909	0.021
CRYM	-0.092	52.218	0.116	8.253	-0.488	0.092	0.114	41.825	-0.423	0.039
CSE1L	0.088	37.036	0.494	3.205	-0.047	58.928	-0.220	0.292	-0.352	0.066
CSF1R	-0.071	57.367	-0.225	0.514	-0.095	26.120	0.225	2.415	0.630	0.021
CSF2RA			-0.437	2.773	0.100	41.103	-0.091	16.936	0.496	0.021
CSF2RB	-0.699	0.052	-0.234	4.122	-0.329	10.694	-0.375	27.828	0.681	0.021
CSNK1G1	-0.811	0.170	-0.636	2.773	-0.331	2.311	-0.701	1.878	-0.527	0.993
CSPG4	-0.243	3.157	-0.132	7.537	0.175	2.659	0.025	52.656	0.424	0.391
CSPP1	-0.058	55.170	0.093	10.404	-0.043	55.771	-0.380	0.061	-0.361	0.039
CSRP2	0.131	7.743	0.515	0.784	0.234	36.892	-0.598	0.506	0.146	14.822
CST7					-0.087	49.127			2.028	0.021
CSTF1	0.029	54.154	0.240	2.300	0.059	49.127	0.066	47.420	0.422	0.039
CTBP2	-0.324	0.170	-0.275	6.703	-0.218	36.892	0.053	47.420	-0.493	0.213
CTDSP1	-0.210	0.324	-0.113	7.537	0.028	57.395	0.177	2.415	0.447	0.269
CTF1	-0.259	9.997	0.141	7.537	0.086	41.103			0.709	0.021
CTGF	-0.434	1.936	0.389	0.484	0.180	49.127	-0.158	1.332	-0.102	33.879
CTH			0.687	0.300	0.043	58.074	-0.149	13.893	-1.097	0.021
CTNNA2	-0.302	0.052	0.437	0.595	-0.195	1.098	-1.064	0.061	-0.425	0.119
CTNNB1	-0.244	44.812	0.652	0.180	-0.114	33.124	-0.587	0.250	-0.948	0.021
CTNNBIP1	-0.066	37.036	-0.146	8.881	-0.050	56.823	0.078	47.420	0.470	0.649
CTNND1	0.226	1.936	-0.610	2.859	0.399	0.092	0.061	47.420	0.165	35.531
CTR9	0.080	44.812	-0.417	0.514	-0.088	26.120	0.079	27.828	-0.090	24.398
CTSC	0.142	44.812	0.464	2.300	-0.472	22.899	0.407	0.506	-0.118	36.831
CTSD	0.233	12.647	0.293	4.122	0.069	54.331			0.442	0.391
CTSE			-0.301	1.534			-0.035	50.493	0.463	0.398
CTSH	-0.019	57.293	-0.220	3.009	0.073	49.127	0.018	53.829	0.830	0.021

Gene	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
CTSS	-0.110	44.812	-0.163	4.122	-0.050	60.231			1.058	0.021
CTSZ	0.137	25.771	0.195	8.881			-0.046	51.354	0.641	0.021
CTTNBP2	0.289	21.797	0.464	0.986	-0.087	56.823	-0.288	16.936	-0.499	0.269
CUL2	0.077	52.218	0.513	2.859	0.031	58.611	0.122	41.825	0.829	0.021
CUL4B	0.068	52.218	0.510	0.986	-0.085	41.103	0.084	41.825	-0.287	1.193
CUL9	-0.111	29.668	0.390	2.773	0.054	54.331	-1.045	0.292	0.284	0.269
CUTC	-0.027	57.293	0.202	4.122	0.231	2.056	0.454	0.855	0.207	14.822
CUX2	0.091	29.668	0.206	2.773	0.265	12.575	0.206	1.878	0.565	0.649
CX3CR1	0.034	49.540	-0.390	0.514	0.338	33.124	-0.227	41.825	0.638	0.021
CXCL10									1.224	0.119
CXCL13					-0.092	54.331			1.167	0.021
CXCL14									1.009	0.021
CXCL16	-0.583	1.936	-0.343	0.514	-0.060	49.127	0.194	1.878	1.625	0.021
CYB5R4	0.100	33.231	0.524	1.534	0.298	17.386	0.537	11.241	-0.508	0.021
CYBA	-0.088	52.218			0.104	22.899	0.392	0.061	0.913	0.021
CYFIP2	-0.288	5.928	-0.449	0.595	-0.560	0.092	-0.144	47.420	-0.131	24.398
CYLD	0.418	0.171	0.289	1.457	-0.234	5.705	-0.108	32.497	-0.557	0.021
CYP1B1	-0.154	44.812	-0.232	11.783			-0.424	13.893	0.526	0.119
CYP26B1	-0.672	0.262	0.356	0.877	-0.612	1.309	-0.993	0.061	0.103	24.398
Cyp2c44	-0.153	49.540	-0.750	0.944	0.172	22.899			-0.306	4.218
CYP2D6	-0.587	0.052	0.307	0.784	0.042	55.771	-0.799	0.061	0.405	0.269
CYP2G1P	0.441	0.126	0.168	10.404	-0.152	3.475	0.400	4.906	0.544	0.021
CYP2J2	0.082	44.812	0.553	0.514	-0.065	49.127	0.333	2.415	-0.877	0.021
CYP46A1	-0.104	21.797	-0.571	0.614	0.009	60.505	0.021	55.172	0.115	31.624
CYP4F12	0.095	37.036	0.431	2.300	0.363	9.255	-0.323	0.109	0.465	0.993
CYP4X1	0.076	33.231	-0.444	1.029	-0.166	26.120	-0.041	49.358	-0.513	0.045
CYP51A1	0.223	0.171	0.652	1.212	0.324	3.475			-0.436	0.066
CYR61	0.042	52.218	0.133	1.534			-0.332	11.241	0.638	0.471
CYTH4	-0.088	33.231	0.102	12.522	0.059	49.127	0.632	0.292	0.935	0.021
D2HGDH	-0.346	1.098	0.339	0.784	-0.145	33.124	-0.524	0.061	0.352	31.624
D830050J10RIK	0.107	25.771	0.270	2.300	0.146	12.575	0.105	51.354	0.676	0.021
DAAM1	-0.312	1.431	0.440	1.029	-0.166	6.932	0.446	0.061	-0.338	0.021
DAB1	0.432	0.529	-0.526	5.829	0.282	1.309	-0.161	16.936	-0.231	0.166
DAB2	-0.092	44.812	0.420	0.122	0.024	56.823	-0.034	54.403	0.427	0.746
DACH1	0.172	12.647	-0.639	0.180	-0.295	6.932	0.227	0.727	0.042	43.008
DACT2	0.079	44.812	-0.390	4.122	0.272	6.932	0.412	1.617	0.553	0.066
DAG1	-0.089	51.013	0.558	0.784	0.217	10.694	-0.087	41.825	-0.427	0.021
DAGLA	0.232	1.431	-0.500	3.205	0.085	49.127	-0.300	8.987	0.619	0.166
DAP	0.077	53.690	0.250	3.205	0.506	0.092	0.160	41.825	0.242	11.001
DAPP1	0.476	0.398	-0.085	10.404	0.133	49.127	-0.608	2.415	0.101	44.052
DARS	0.382	12.647	0.721	1.457	-0.113	49.127	0.567	2.415	0.691	0.021
DBI	-0.027	55.559					0.127	16.936	0.542	0.066
DCAF10	0.165	18.587	0.508	0.514	0.103	17.386	0.374	0.121	-0.395	0.746
DCAF12	-0.315	37.036	0.632	0.204	0.070	49.127	0.179	0.855	0.396	0.119
DCC	0.022	54.701	0.278	0.514	-0.487	0.092	0.660	0.061	-0.393	0.391
DCK	0.204	2.450	0.225	4.122	0.093	54.331	-0.382	0.109	-0.525	0.119
DCLK1	-0.381	0.171	0.468	0.445	-0.579	0.092	-0.190	0.947	-0.541	0.021
DCLRE1A	0.211	21.797	-0.753	0.877	-0.264	17.386	-0.100	52.656	0.461	0.021
DCN	-0.268	37.036	0.181	8.253	0.589	5.705	0.107	8.987	0.499	0.801
DCTD	-0.275	33.231	0.581	3.009	0.620	0.092	0.194	47.420	-0.148	36.831
DCUN1D3	0.135	44.812	-0.354	2.859	0.111	49.127	-0.134	47.420	0.447	0.746
DCXR	0.199	5.928	-0.300	0.514	0.084	41.103	0.252	5.543	0.487	0.021
DDC	-0.483	1.431	0.186	11.783	-0.284	22.899	-0.937	0.061	0.340	24.398
DDHD2	0.068	44.812	0.305	2.300	0.015	58.611	0.252	23.450	0.433	0.269
DDIT4L	0.051	55.170	0.457	5.829	0.351	8.121	-0.115	49.358	-0.403	0.977
DDN	0.100	52.218	0.401	1.212	0.172	29.328	-0.312	0.109	-0.448	0.021
DDR1	-0.111	33.231			0.021	58.074	0.063	52.124	0.654	0.166
DDX1	-0.404	0.052	0.358	0.514	-0.253	2.311	-0.527	47.420	0.416	0.307
DDX17	-0.106	44.812	0.271	3.009	0.060	54.331	-0.143	3.866	-0.944	0.021
DDX31							-0.471	0.573	0.075	35.531
DDX46	-0.243	0.780	0.840	0.595	-0.362	0.092	-0.200	1.210	-0.227	1.977
DDX50	0.187	33.231	0.677	0.877	0.066	36.892	0.066	32.497	-0.422	0.066
DDX6	-0.496	1.431	0.083	11.093	-0.405	0.281	0.080	52.124	-0.259	0.471
DEAF1	0.166	29.668	-0.592	0.773	0.298	8.121	0.052	50.493	0.249	4.218
DEF6	0.437	0.052	0.150	0.784	0.522	0.092	0.685	0.292	-0.370	24.398
DENR	0.110	49.540	0.777	1.289	-0.094	54.331	0.164	23.450	-0.456	0.021
DEPTOR	0.126	49.540	-0.241	2.773	-0.612	4.053	-0.791	0.061	0.572	0.977
DFFA	0.380	0.052	0.444	0.514	0.414	9.255	0.082	49.358	-0.667	0.021

DFNB31	-0.505	0.052	0.077	12.522			0.125	13.893	0.496	0.021
DGKB	-0.102	33.231	0.517	1.289	0.262	4.053	0.412	7.099	-0.524	0.993
DGKH	-0.721	0.052	0.329	8.253	-0.333	20.025	0.317	2.913	-0.844	0.119
DHCR24	0.603	0.780	0.215	8.881	-0.082	56.823	-0.473	1.332	-0.523	0.993
DIDO1	-0.115	29.668	-0.530	0.986	-0.207	17.386	-0.503	27.828	-0.254	1.193
DIO2	-0.098	51.013	0.482	0.107	0.223	33.124	0.073	50.493	-0.152	14.822
DKKL1	-0.073	44.812	-0.300	3.009	0.516	0.517			-0.214	6.001
DLG1	-1.024	0.052	0.368	0.354	0.343	3.475	0.183	27.828	-1.168	0.021
DLG2	0.065	49.540	0.261	8.253	-0.675	0.092	0.428	2.415	-0.411	0.021
DLGAP2	-0.069	49.540	-0.184	4.122	-0.360	2.659	-0.192	41.825	0.974	0.021
DLL1	0.118	37.036	0.573	0.267	0.273	17.386	0.217	1.210	0.184	39.468
DMP1	0.194	0.930	-0.378	9.629	0.322	3.068	0.347	0.061	0.500	31.624
DMRT2					0.038	55.771	-0.784	0.061	0.249	35.531
DMXL2	-0.526	0.052	0.501	2.300	-0.386	0.641	0.353	13.893	-0.380	24.398
DNAH6	-0.026	56.874	0.436	4.122	0.332	0.641	0.510	0.727		
DNAJB4	-0.219	29.668	0.309	0.595	-0.243	4.733	-0.239	8.987	-0.880	0.021
DNAJB5	0.156	33.231	0.447	0.420	0.432	0.517	-0.374	0.130	-0.490	0.021
DNAJB9	-0.110	52.218	0.635	0.107	-0.141	12.575	0.378	7.099	-0.231	0.307
DNAJC1	-0.327	0.052	0.583	2.300	-0.375	0.998	-0.457	0.061	0.148	35.531
DNAJC13	0.945	0.398	0.343	4.122	0.097	26.120	0.034	52.124	-0.318	1.193
DNAJC18	-0.073	37.036	0.458	1.029	-0.348	8.121	0.582	23.450	0.413	0.746
DNAJC19	-0.340	0.126	-0.188	4.122	-0.101	49.127	-0.377	0.177	-0.281	11.001
DNAJC2	-0.137	49.540	-0.625	0.223	-0.294	0.402			0.159	33.879
DNAJC21	0.178	5.928	0.394	0.893	0.105	49.127	0.285	8.987	-0.342	4.218
DNAJC24	0.285	0.262	0.606	1.663	0.028	58.406	-0.094	41.825	-0.360	0.021
DNAJC28	-0.472	0.052	0.572	0.180	-0.868	0.092	0.679	0.061	0.729	0.471
DNAL1	-0.072	57.293	0.575	1.029	-0.160	41.103	-0.190	0.292	-0.451	0.391
DNALI1	-0.041	53.690	0.405	3.009	0.176	12.575	0.059	52.124	0.947	0.021
DNASE1L1	-0.264	52.218			-0.137	41.103	-0.261	49.358	0.513	0.021
DNM1L	-0.293	21.797	0.627	1.457	-0.518	0.092	0.034	51.354	-0.438	0.021
DNMT3A	-0.114	5.928	0.368	1.086	0.416	0.641	-0.813	0.855	-0.281	24.398
DOCK1	-0.305	0.529	-0.555	0.893	0.214	2.659	0.043	47.420	0.567	0.045
DOCK11	-0.708	0.780	0.469	0.669	-0.484	0.856	-0.694	5.543	-0.561	0.891
DOCK4	-0.339	0.324	0.546	1.212	-0.236	4.733	-1.073	0.250	-0.674	0.021
DOK1	0.346	1.098	0.288	0.300	0.211	0.641	0.146	19.971	0.755	0.021
DONSON	0.082	44.812	0.876	0.877	-0.078	33.124	0.075	41.825	-0.480	0.119
DPM1	-0.246	0.052	0.280	1.772	-0.278	0.641	-0.818	0.061	-0.594	0.021
DPPA2	-0.083	49.540	-0.511	0.514	-0.089	29.328	0.047	47.420	-0.095	24.398
DPYD	-0.316	25.771	0.243	5.829	-0.234	36.892	-0.231	47.420	-0.956	0.471
DPYSL4	0.039	52.218	-0.132	2.614	0.161	36.892	0.127	7.099	0.502	0.021
DR1	0.041	54.154	0.544	2.773	0.025	58.074	-0.268	0.506	-0.416	0.039
DRAM1	0.381	0.529	0.485	0.354	0.288	0.092	0.977	0.121	-0.176	14.822
DRAM2	0.008	56.765	-0.153	0.784					-0.374	0.891
DRD2	-0.590	0.529	-0.212	4.122	-0.215	8.121	-0.071	50.493	0.419	0.746
DRD4	-0.312	0.780	0.299	4.122	0.379	20.025	0.048	53.272	0.625	0.045
DRD5	-0.152	5.928	0.595	2.614	-0.083	54.331	-0.255	41.825	-0.229	0.471
DROSHA	0.130	12.647	0.454	2.614	0.166	1.098	0.135	47.420	-0.595	0.021
DRP2	0.256	3.157	0.321	7.537	-0.166	54.331	0.144	41.825	-0.559	0.066
DSG2	0.062	49.540	-0.195	5.829	-0.041	54.331			0.438	0.391
DSP	0.322	44.812	-0.549	0.614	-0.294	54.331	0.105	41.825	0.397	24.398
DSTN	0.136	44.812	0.673	0.514	-0.219	26.120	-0.067	47.420	-0.415	0.269
DTX4	-0.208	12.647	0.457	0.784	0.415	0.092	-0.269	1.332	0.582	0.021
DUSP1	-0.210	9.997			-0.206	41.103	-0.594	0.727	0.456	0.021
DUSP16	-0.445	0.052	0.756	0.354	0.053	49.127	0.543	0.130	0.627	0.993
DUSP2	0.015	56.765			0.131	49.127	0.544	0.061	0.208	0.746
DUSP26	-0.325	0.052	-0.331	2.859	0.246	17.386	0.487	0.061	0.335	4.218
DUSP4	0.214	0.930	0.194	1.663	0.191	3.475	0.105	41.825	-0.417	0.269
DUT	0.019	56.874	0.401	0.514	-0.028	57.395	0.161	13.893	0.252	4.218
DYNC1H1	-0.394	0.052	0.530	0.944	-0.181	58.928	-0.948	0.399	-0.177	11.001
DYNC2H1	-0.794	0.052	0.615	0.944	-0.760	0.440	-0.436	0.947	0.608	0.021
DYRK1A	-0.232	5.928	0.727	0.595	-0.209	10.694	-0.838	0.061	-0.402	0.269
DYRK1B	-0.048	51.013	-0.448	0.784	0.053	54.331	0.237	11.241	0.522	0.021
E2F1	0.270	1.098	0.211	0.514	0.407	2.056	0.275	41.825	0.821	0.119
E2F3	0.125	37.036	0.370	0.514	-0.367	0.724	0.532	0.121	-0.553	0.021
E2F5	-0.048	55.870	0.309	2.614	0.081	26.120	-0.419	0.061	-0.203	0.891
EARS2	0.112	44.812	0.418	4.122	-0.045	58.611	-0.781	0.061	-0.234	14.822
EBF3	0.279	44.812	-0.705	2.773	-0.417	0.281	0.987	0.061	0.409	39.468
EBI3	0.309	0.052	0.115	5.829	0.313	0.517	-0.364	11.241	0.397	0.977

ECHDC3	-0.087	54.701	0.245	1.534	0.181	56.823	-0.077	51.354	1.129	0.021
EDA	0.439	0.052	0.234	8.881	0.282	0.092	0.194	7.099	-0.612	0.021
EDNRB	-0.899	0.052	-0.410	0.180	-0.199	49.127	-0.148	41.825	0.746	0.021
EEA1	0.191	3.157	-0.902	0.669	-0.375	2.311	0.231	0.399	-0.265	0.084
EEF1D	-0.243	9.997	-0.387	0.669	0.743	0.092	-0.710	1.332	-0.925	0.021
EEPD1	0.258	0.529	0.112	5.829	-0.050	59.793	0.071	49.358	-0.491	0.039
EFCAB2	-0.284	33.231	0.712	1.029	-0.145	55.771	0.323	5.543	-0.679	0.021
EFEMP2	-0.239	0.171	0.059	11.783	0.021	60.231	0.102	49.358	0.553	0.977
EFHA1	-0.491	0.052	0.736	0.107	0.218	29.328	0.654	0.341	0.077	35.531
EFNA5	-0.145	44.812	-0.589	0.784	0.238	41.103	-0.657	0.061	0.112	24.398
EFNB2	-0.156	52.218	0.648	0.354	0.279	12.575	0.223	0.573	-0.213	0.891
EFR3A	0.204	44.812	0.705	2.123	-0.145	36.892	-0.464	0.341	-0.654	0.066
EFR3B	-0.151	49.540	0.607	0.569	-0.152	49.127	0.059	41.825	-0.497	0.993
EFS	-0.151	5.928	-0.535	2.859	-0.126	41.103	-0.103	51.354	0.520	0.021
EGF	-0.135	29.668	0.345	0.514	0.430	14.770	-0.717	0.061	-0.704	0.993
EGFR	-0.421	0.780	0.306	1.457	-0.297	0.281	0.771	3.866	0.446	0.119
EGR1	0.541	0.324	0.507	0.602	0.230	12.575	-0.224	1.878	-0.059	37.824
EGR2	1.349	0.052	0.599	0.267	0.589	0.659	-0.089	41.825	0.320	35.531
EGR4	0.649	0.052	0.109	11.093	0.206	3.475	0.110	47.420	0.347	1.193
EHD4	-0.279	0.171	-0.548	2.614	-0.033	60.505			0.530	0.119
EIF2AK1	-0.359	0.171	-0.248	3.205	0.206	1.556	0.521	0.061	-0.391	0.213
EIF2AK2			0.468	0.514	0.087	41.103	0.019	55.172	0.562	0.977
EIF2AK4	0.192	3.157	-0.559	2.773	-0.284	14.770	-0.154	13.893	-0.354	0.977
EIF2C1	0.272	3.157	-0.987	0.107	0.127	17.386	0.066	52.124	0.356	0.471
EIF2S3	-1.061	0.052	0.345	8.253	0.128	12.575	-0.676	0.353	-1.376	0.021
EIF3A	-0.184	33.231	0.717	1.663	-0.431	0.402	0.098	16.936	-0.443	0.039
EIF3D	0.139	49.540	0.203	11.783	-0.075	49.127	-1.043	0.506	-0.101	31.624
EIF3E	0.106	29.668	-0.383	0.773	-0.068	49.127	0.024	53.272	0.360	24.398
EIF3J	0.238	9.997	-0.129	5.829	0.082	49.127	0.301	32.497	0.598	0.021
EIF4A1	0.245	0.324	0.626	2.859	0.055	55.771	-0.145	3.866	0.621	0.119
Eif4e2	0.211	37.036	0.509	0.784	-0.117	49.127			-0.247	14.822
EIF4EBP1	-0.358	0.052	-0.785	2.614	0.271	2.311	0.021	53.272	0.523	0.021
EIF4G2	-0.318	0.171	0.711	2.300	-0.285	6.932	0.360	27.828	-0.510	0.021
EIF6	0.453	0.052	0.135	11.093	0.179	12.575	0.078	47.420	0.055	42.670
ELAVL2	-0.501	0.052	-0.664	0.180	-0.400	0.659	-0.394	23.450	-0.521	0.746
ELF1	-0.118	25.771	-0.890	2.773	-0.322	1.556	0.608	0.177	0.553	0.993
ELK3	-0.096	44.812	-0.237	0.514	0.055	49.127	-0.108	51.354	0.917	0.021
ELL2	-0.518	0.052	-0.772	1.289	0.224	2.659	-0.281	50.493	-0.418	0.649
ELMO1			0.163	5.829	0.038	54.331	-0.274	0.947	0.456	0.129
ELMO2	0.394	0.052	0.107	7.537	0.168	41.103	-0.055	47.420	0.479	0.649
ELMOD1	0.249	0.262	0.439	4.122	0.206	33.124	-0.544	0.061	-0.464	0.471
ELOVL1			-0.261	3.205	0.116	8.121	0.087	49.358	0.543	0.021
ELOVL7	0.038	55.870	0.609	2.300	0.017	59.432	-0.408	0.727	0.158	24.398
EMB	0.142	49.540	0.395	1.663	0.433	3.068	0.554	0.130	0.121	31.624
EMID1	-0.121	51.013	-0.044	13.299			-0.133	47.420	0.510	0.918
EML1	-0.410	7.743	-0.530	8.881	0.062	49.127	0.074	41.825	-0.516	0.129
EML5	0.012	56.513	0.307	4.122	0.027	58.928	-0.593	2.913	-0.803	0.021
EML6	0.235	1.431	0.609	0.212	0.115	36.892	0.848	7.099	0.135	33.879
EMP1	-0.306	0.930	0.174	12.522	0.147	49.127	-0.587	0.061	0.397	0.993
EMP3	-0.250	9.997	0.166	8.881	0.178	9.255	0.424	32.497	0.637	0.119
EMR1	0.007	57.109	-0.809	0.174	0.054	54.331	-0.066	51.354	0.842	0.021
EMX2	0.425	0.324	0.418	1.772			-0.186	41.825	-0.392	0.021
Enah	-0.358	0.126	-0.610	4.122	-0.123	26.120	-0.599	0.947	-0.762	0.021
ENC1	-0.764	0.171	-0.706	0.300	-0.572	0.440	-0.633	13.893	-0.268	11.001
ENO3	-0.252	7.743	-0.423	0.784	0.027	58.406	0.188	47.420	0.396	0.649
ENOX1	0.061	54.154	0.336	0.569	-0.101	33.124	0.022	53.272	-0.484	0.021
ENPP1	-0.304	25.771	-0.168	5.829			-0.276	49.358	0.460	0.129
ENTPD2	-0.137	3.157					-0.097	52.124	0.556	0.021
ENTPD3	-0.421	0.262	0.285	5.829	-0.532	0.092	-0.452	0.061	-0.586	0.993
ENTPD4	0.137	25.771	0.429	0.663	0.021	59.793	0.019	55.172	0.118	33.879
ENTPD7	0.382	1.431	-0.861	0.614	-0.045	54.331	-0.037	49.358	0.270	31.624
EPB41L2	-0.099	33.231	-0.119	5.829	0.471	0.092	0.061	41.825	0.606	0.021
EPC1	-0.493	7.743	-0.631	0.859	0.078	54.331	0.451	2.913	0.230	31.624
EPHA3	-0.376	0.511	0.780	0.180	-0.272	0.517	0.481	0.353	-0.509	0.166
EPHA5	0.303	25.771	0.621	0.784	-0.384	8.121	-0.127	41.825	-0.520	0.021
EPHB1	-0.150	12.647					-0.560	3.866	0.477	0.021
EPHB2			0.132	9.629	0.067	54.331	0.120	7.099	-0.431	0.021
ERAL1	-0.263	0.324	-0.571	0.230	-0.221	3.068	-0.279	2.415	0.291	24.398

Gene										
ERBB2IP	-0.535	0.052	0.429	2.300	-0.138	6.932	0.673	8.987	0.290	31.624
ERBB3	0.093	37.036	0.400	0.669	0.243	14.770	0.454	1.617	0.505	0.269
ERC2	-0.170	18.587	0.559	1.212	-0.167	33.124	0.345	11.241	-0.439	0.307
ERCC6	-0.063	51.013	0.816	1.289	0.213	1.309	-0.087	41.825	-0.395	0.166
ERF	-0.064	44.812	0.094	7.537	0.161	20.025	0.192	2.415	0.413	0.119
ESCO1	0.420	3.157	0.545	0.420	-0.143	26.120	-0.331	3.866	-0.138	31.624
ETFDH	0.077	49.540	0.543	1.212	-0.110	36.892	-0.795	0.121	-1.055	0.021
ETV6	0.093	49.540	-0.444	1.086	0.197	2.311	-0.219	5.543	0.416	0.119
EVI5L	0.207	1.098	0.519	0.569	0.252	0.517	0.329	32.497	0.689	0.471
EVPL	-0.157	0.529	-0.472	0.514	0.316	9.255	0.295	3.866	0.466	0.021
EXD1	-0.710	0.052	0.345	0.484	-0.086	60.505	-0.346	50.493	0.695	0.746
EXOC2	0.402	0.171	0.276	0.602	-0.114	14.770	0.240	32.497	0.318	1.977
EXOC5	0.192	21.797	0.650	1.086	0.054	54.331	0.438	1.617	-0.561	0.066
EXOSC3	0.080	37.036	0.531	0.267	-0.476	2.311	0.272	0.130	-0.216	31.624
EZH2	0.042	52.218	0.469	0.669			-0.185	41.825	0.167	42.212
F11R	-0.390	18.587			0.061	36.892	-0.257	47.420	0.613	0.021
F2R	0.028	55.559	-0.122	12.522	-0.274	26.120	-0.165	1.878	-0.337	0.993
F3	0.014	56.130	0.574	0.986	0.014	59.793			0.289	44.315
FABP7	-0.465	0.262	0.506	0.877	0.234	12.575	0.289	0.177	0.375	24.398
FADD	-0.089	44.812	-0.421	0.514	0.101	41.103	0.564	0.250	0.173	2.886
FAIM			0.706	0.300			0.205	27.828	-0.133	14.822
FAM105A	0.303	29.668	0.441	0.595			0.195	50.493	0.132	41.878
FAM107B	0.082	52.218	0.220	0.514	0.100	36.892	-0.612	0.061	-0.117	24.398
FAM109A	-0.113	18.587	-0.154	2.859	-0.048	57.395			0.413	0.166
FAM114A1	0.457	0.052			0.747	1.556			0.286	2.886
FAM120B	0.104	44.812	0.303	0.784	0.046	49.127	0.034	49.358	-0.370	0.649
FAM123B	-0.477	0.052			-0.372	0.092	0.187	27.828	-0.316	31.624
FAM135A	-0.216	2.450	0.717	0.595	-0.087	36.892	-0.129	2.913	-0.591	0.021
FAM13B	0.085	44.812	0.671	1.086	0.068	41.103	-0.051	49.358	-0.694	0.039
FAM13C	0.027	56.765	0.813	0.669	-0.144	10.694	0.108	8.987	-0.531	0.021
FAM14A	-0.113	49.540	-0.168	4.122	0.013	59.432	1.151	0.341	1.622	0.021
FAM172A	-0.113	44.812	-0.683	0.893	-0.232	9.255	0.777	5.543	0.337	8.002
FAM176A	-0.353	0.511	0.621	0.595	-0.337	14.770	-0.477	11.241	-0.648	0.021
FAM184B	-0.872	0.052	0.186	0.595	-0.209	41.103	-0.135	32.497	-0.380	0.045
FAM185A	-0.134	15.278	0.102	12.522	0.031	55.771	0.072	49.358	-0.498	0.021
FAM188A	0.042	52.218	0.108	11.093	-0.165	41.103	0.084	51.354	-0.443	8.002
FAM198B	0.433	3.157	-0.072	11.093	-0.154	49.127	-0.092	52.124	-0.506	0.269
FAM19A1	0.259	1.098	0.396	1.289	0.055	54.331	0.170	27.828	-0.444	0.021
FAM19A2	-0.300	33.231	-0.058	13.299	-0.281	0.092	-0.048	47.420	-0.836	0.649
FAM203A/FAM203B	0.063	49.540	0.330	1.772	-0.090	54.331	-0.069	41.825	-0.439	0.021
FAM40B	0.027	54.701	0.165	2.614	-0.532	3.068	-0.266	0.506	-0.471	0.213
FAM46A	-0.331	0.093	-0.395	6.703	-0.360	6.932	-0.241	47.420	0.101	14.822
FAM49B	0.087	37.036	0.124	5.829	-0.171	8.121	-0.126	27.828	-0.459	0.021
FAM53B	0.314	5.928	0.360	5.829	0.452	0.281	-0.444	8.987	0.053	43.008
FAM59A	0.213	9.997	0.637	1.457	-0.121	22.899	0.106	47.420	-0.405	0.891
FAM5B	-0.072	55.870	0.472	2.773	-0.610	0.092	0.363	2.415	-0.279	6.001
FAM5C	0.214	44.812	0.620	0.354	0.182	49.127	0.370	0.250	-0.114	24.398
FAM65B	0.080	49.540	0.902	0.602	0.266	4.733	0.151	8.987	-0.232	4.218
FAM78B			-0.329	4.122	0.128	17.386	-0.124	11.241	-0.772	0.021
FAM81A	-0.132	49.540	-0.249	4.122	-0.122	49.127	-0.257	7.099	-0.378	0.891
FANCA	-0.798	0.052	-0.302	6.703	0.264	49.127			0.463	24.398
FANCB	0.263	12.647	0.582	0.514	-0.160	6.932	-0.551	0.399	-0.498	0.021
FANCD2	-0.592	0.529	0.344	2.773	0.350	5.705	0.452	4.906	-0.863	0.021
FAR1	0.107	52.218	0.451	1.212	-0.109	41.103	0.247	5.543	-0.540	0.307
FARP1	0.499	0.324	0.331	4.122	-0.224	29.328	-0.184	19.971	1.023	0.021
FAS	0.029	52.827	0.401	5.829	-0.177	8.121	0.291	0.177	0.570	0.021
FASLG	0.771	0.052	-0.271	6.703	0.358	0.724	0.093	41.825	0.136	33.879
FASTK	0.127	33.231	0.358	0.484	0.105	17.386	-0.477	0.061	0.204	44.052
FAT3	0.426	0.529	-0.398	4.122	-0.241	2.056	0.080	41.825	0.037	44.052
FAT4	0.102	25.771	0.774	0.595	0.031	55.771	-0.201	27.828	-0.625	0.021
FBLN2	-0.088	55.170			0.524	0.659	-0.108	53.829	0.294	0.213
FBLN5	-0.511	0.666	0.227	6.703	0.123	29.328	-0.292	11.241	0.934	0.021
FBN2	-0.100	37.036	0.304	2.773	0.243	0.856	-0.921	1.210	-0.086	41.258
FBRS	0.103	44.812	-0.301	3.009	0.089	49.127	0.175	13.893	0.619	0.045
FBXL18	-0.103	49.540	-0.274	6.703	-0.128	49.127	-0.298	32.497	0.477	0.021
FBXL7	0.097	44.812	-0.768	1.457	-0.430	5.705	1.269	0.121	0.688	0.977
FBXO21	0.260	12.647	0.272	0.514	-0.175	49.127	1.439	0.061	-0.827	0.021
FBXO22	0.313	0.170	0.665	0.784	0.097	49.127			-0.638	0.649

Gene										
FBXO3	0.430	0.126	0.562	0.514	0.208	54.331	-0.364	0.061	-0.777	0.066
FBXO4	-0.085	33.231	-0.663	0.986	0.092	49.127	-0.148	4.906	0.047	40.660
FBXW8	0.087	49.540	0.366	5.829	0.105	33.124	0.613	0.061	-0.288	0.084
FCER1G	-0.133	49.540	-0.544	1.663	0.052	56.823	0.301	0.061	1.062	0.021
FCGR1A	0.313	0.666			0.019	58.406	0.171	5.543	1.449	0.021
FCGR2A	0.507	0.052	0.373	5.829	0.262	0.659	-0.283	2.913	0.708	0.021
FCGR2B	-0.631	0.052	-0.482	1.289	-0.316	2.659	0.292	0.353	-0.415	6.001
FCGR3A	0.039	51.013	-0.331	3.009	0.066	49.127	0.013	55.172	0.559	0.021
FCGRT	-0.094	52.218	0.228	4.122	0.066	54.331	0.230	2.913	0.436	0.066
FCHO2	0.335	0.398	0.406	1.086	0.064	41.103	-0.145	3.866	-0.553	0.021
FDX1	-0.143	7.743	0.665	0.264	0.083	49.127	0.232	2.415	0.181	1.977
FECH	-0.106	37.036	0.675	1.289	-0.175	14.770	-0.254	2.913	-0.397	0.119
FEM1C	-0.184	51.013	-0.356	3.205	-0.416	0.856	-0.708	5.543	-1.126	0.021
FES	-0.133	52.827	0.399	0.264	0.185	1.556	0.201	27.828	0.656	0.021
FGD2	0.156	9.997					0.558	0.061	0.668	0.021
FGD4	0.490	0.052	-0.559	1.663	0.079	41.103	-0.722	0.061	-0.066	38.751
FGD6			-0.706	0.569	0.352	33.124	-0.643	11.241	0.401	0.471
FGF10	0.178	18.587	0.775	0.230	0.080	33.124	-0.062	41.825	0.249	40.660
FGF11	0.127	49.540	0.387	0.305	0.189	3.475	0.034	50.493	0.120	41.258
FGF13	-0.159	4.284	0.667	0.569	0.066	49.127	-1.155	0.061	-0.666	0.021
FGF19	0.158	12.647	-0.285	3.009	0.294	3.068	-0.596	4.906	0.402	0.307
FGF5	-0.842	0.052	0.482	0.445	-0.699	1.556	-0.736	1.878	-0.670	0.993
FGF9	0.228	37.036	0.573	0.107	-0.110	20.025	-0.054	47.420	-0.555	0.269
FGFR2	-0.149	1.431	0.553	0.669	0.309	0.440	0.476	1.617	-0.109	24.398
FGFRL1							-0.091	47.420	0.438	0.418
FHDC1	0.470	0.170			-0.209	6.932	-0.383	1.617	0.172	33.879
FHOD1	0.086	49.540	0.217	2.300			0.861	0.947	0.518	0.039
FIGF	0.208	4.284	0.208	7.537	0.133	49.127	0.649	0.121	0.300	11.001
FKBP10					0.092	22.899	0.249	7.099	0.455	0.901
FKBP15	-0.393	0.052	-0.339	0.944	-0.363	1.556	0.384	1.878	-1.116	0.021
FKBP5	-0.489	7.743	0.298	5.829	0.238	55.771	0.817	8.987	0.588	0.802
FKTN	0.065	49.540	0.453	0.784	0.159	2.056	0.093	49.358	-0.373	0.119
FLNC	0.142	7.743	0.240	3.205	-0.095	41.103	0.130	49.358	1.307	0.021
FLRT3	-0.439	0.666	0.571	1.457	-0.278	36.892	-0.356	2.913	-0.388	8.002
FLT1	0.029	52.218	0.475	0.602	0.045	54.331	0.237	0.855	0.399	0.993
FLT3LG	0.016	56.513	-0.436	0.784	-0.248	1.819	-0.306	16.936	-0.187	11.001
FLVCR1	0.396	0.780	0.450	0.264	0.154	4.733				
Fmn1	-0.532	0.052	-0.244	4.122	0.212	49.127	-0.044	47.420	0.378	24.398
FMNL2	-0.428	0.052	-0.295	3.205			0.124	19.971	-0.226	11.001
FMNL3					0.056	54.331	0.141	23.450	0.621	0.875
FNTB	0.275	5.928	0.377	4.122	0.091	33.124	-0.486	0.341	0.243	24.398
FOS	0.973	0.052	0.682	0.107	0.194	0.641	0.264	0.506	-0.102	24.621
FOSB	0.200	37.036	0.187	11.093	0.484	0.092	0.204	1.332	0.003	44.315
FOSL2	0.408	3.157	0.978	0.107	0.562	0.092	0.182	27.828	-0.350	0.166
FOXC2	-0.915	0.052			0.151	33.124	-0.192	50.493	0.344	11.001
FOXF2	-0.079	57.293	0.824	0.986	0.171	20.025	-0.640	0.855	-0.568	0.021
FOXN3	-0.213	0.780	0.654	0.784	-0.501	0.517	0.636	13.893	0.530	0.045
FOXO1	-0.089	33.231	0.856	0.484	0.078	36.892	0.588	0.061	0.435	0.891
FOXP2	-0.352	1.098	-0.122	9.629	-0.625	0.856	0.238	1.210	-0.217	8.002
FPGS	-0.473	0.666	-0.182	0.784			0.150	41.825	0.299	11.001
FRAS1	-0.525	0.171	-0.482	1.457	0.014	60.231	-0.777	0.061	-0.639	0.993
FRMD5	0.128	29.668	0.358	5.829	0.104	49.127	-0.265	0.341	-0.442	0.471
FRRS1	-0.079	44.812	0.477	2.614	0.114	8.121	0.108	53.272	0.760	0.039
FRZB	-0.151	51.013	0.641	1.029	-0.177	4.733	0.430	0.506	-0.536	0.119
FSTL5	-0.642	0.262	-0.230	2.859	-0.339	10.694	-0.184	27.828	-0.712	0.129
FTO	0.356	18.587	0.415	0.354	-0.118	49.127	-0.241	32.497	-0.181	2.886
FUBP1	-0.312	3.157	0.437	1.086	0.524	9.255	0.311	51.354	-0.478	0.066
FUT8			0.493	5.829	0.139	5.705			-0.278	6.001
FXYD1	0.089	53.690	-0.326	2.859	0.247	1.309	-0.135	5.543	0.793	0.021
FXYD5	0.077	33.231					0.135	27.828	0.524	0.021
FXYD6			0.255	2.123	0.395	1.556	-0.040	53.829	0.653	0.471
FYB	-0.045	52.218	-0.268	3.205	0.027	58.074	0.306	1.617	0.447	0.021
FYCO1	-0.428	0.052	0.772	1.534	-0.349	9.255	-0.253	5.543	-0.112	0.129
FZD10	0.215	0.666	0.709	0.569	-0.035	59.793	0.025	53.272	0.241	33.879
FZD4	-0.234	1.431	-0.262	2.859	0.105	55.771	0.672	0.250	-0.205	0.649
FZD9	-0.209	29.668	-0.434	4.122	0.057	54.331	0.276	3.866	0.521	0.021
G2E3	0.227	37.036	0.354	0.204	0.323	1.819	-0.554	0.130	0.221	31.624
G3BP1	0.096	25.771	0.321	0.267	0.143	17.386	0.278	19.971	-0.512	0.307

Gene										
G3BP2	-0.078	49.540	-0.150	8.253	-0.147	10.694	0.075	49.358	-0.477	0.021
GABBR1	0.087	44.812	-0.400	2.773	0.279	49.127	0.808	0.061	0.259	4.218
GABPA	0.196	7.743	0.620	0.514	0.044	54.331	-0.390	0.353	-0.487	0.045
GABRA1	-0.380	0.052	-1.102	0.107	-0.240	17.386	-0.835	0.727	-0.333	0.307
GABRA2	-0.381	0.052	-0.409	2.123	-0.135	41.103	-0.195	27.828	-0.440	0.307
GABRA3	0.029	54.701	-0.970	2.773	0.458	0.641	-0.376	3.866	-0.136	8.002
GABRA4	-0.046	54.154	-0.562	1.212	-0.235	10.694	-0.214	41.825	-0.389	0.021
GABRA5	0.089	44.812	0.427	2.123	-0.238	8.121	-0.106	16.936	-0.446	0.021
GABRG2	-0.187	33.231	0.401	5.829	-0.734	17.386	-0.511	27.828	-0.704	0.021
GABRG3	-0.042	53.690	-0.230	3.009	-0.447	0.092	-0.634	0.061	0.054	42.030
GABRR1	-0.045	54.701	-0.369	0.422	-0.022	60.505	-0.088	47.420	-0.057	31.624
GAD2	-0.227	0.529	0.388	0.784	-0.426	0.659	-0.440	1.332	-0.268	4.218
GADD45B	0.526	0.052	0.207	1.289	0.178	3.475	-0.109	41.825	0.529	0.993
GADD45G	0.171	3.231	0.492	0.986	0.075	36.892	0.046	47.420	0.082	31.624
GADD45GIP1	0.455	0.930	0.460	0.829	-0.044	57.395	0.142	13.893	0.204	11.001
GAL3ST1	-0.101	56.765	0.224	1.663	0.477	0.240			-0.101	36.831
GALC	0.852	0.093	-0.227	2.859	0.223	3.068	0.100	27.828	0.283	31.624
GALK2	0.529	0.052			0.059	57.395	-0.187	13.893	-0.087	36.831
GALNT1	-0.379	0.511	0.114	8.253	-0.231	1.819	0.256	47.420	-0.835	0.021
GALNT10	-0.459	0.666	0.215	1.534	-0.139	41.103	0.277	41.825	0.526	0.993
GALNT11	0.135	29.668	-0.497	4.122	-0.024	59.432	-0.232	1.210	-0.478	0.119
GALNT12	-0.431	1.431	-0.256	4.122	0.358	1.819	-0.632	0.061	0.740	0.021
GALNT13	-0.204	1.098	0.656	0.514	-0.136	49.127	-0.206	0.573	-0.384	0.993
GALNT14	0.423	0.431	-0.196	3.009	-0.116	29.328	-0.289	41.825	0.338	24.398
GALNT3	0.205	33.231	-0.774	1.086	-0.714	0.641	0.094	51.354	-0.344	24.398
GALNT6	0.482	0.052	0.218	0.514	0.230	49.127	0.270	41.825	0.289	24.398
GALNTL2	-0.459	0.126			-0.221	26.120	0.941	0.130	1.338	0.021
GALNTL4	-0.487	0.052	0.710	1.457	-0.508	0.092	-0.307	2.415	-0.879	0.021
GALT	-0.163	25.771	-0.495	0.595	0.024	60.505	0.031	53.272	-0.116	14.822
GARNL3	-0.175	1.936	-0.705	2.859	0.369	0.240	-0.533	16.936	0.425	0.391
GATA2	-0.276	4.284	0.689	0.602	0.438	10.694	-1.213	0.121	0.595	0.021
GATA6	-0.519	1.936	0.646	0.514	-0.114	22.899	-0.163	23.450	-0.178	31.624
GATM	-0.258	0.171	0.277	9.629	-0.150	12.575	-0.225	0.573	0.535	0.045
GBF1	-0.634	0.093	-0.434	0.484	-0.344	1.819	0.065	52.656	-0.027	38.751
GCC2	0.132	51.013	0.462	1.212	0.041	55.771	0.421	0.353	-0.476	0.021
GCN1L1	0.307	0.529	0.430	1.457	-0.687	0.092	-0.490	1.332	0.249	0.391
GCNT1	0.629	0.052	-0.214	3.205	0.346	9.255	-0.351	49.358	1.105	0.021
GCNT2	-0.776	0.052			0.117	29.328	-0.691	7.099	-0.255	24.398
GEN1	0.028	55.870	0.645	0.180	-0.129	36.892	0.632	0.061	0.079	33.879
GFAP									1.808	0.021
GFM1	0.171	25.771	0.782	0.267	0.110	26.120	-0.300	1.617	-0.462	0.021
GFRA1	-0.467	0.780	-0.169	0.514	-0.360	0.092	-0.656	0.061	-0.432	0.993
GGT5	-0.475	2.450	0.180	0.595			0.975	0.061	0.833	0.021
GGTA1P	-0.164	29.668	-0.154	4.122	0.360	22.899	0.469	0.353	0.744	0.891
GHR	-0.748	0.780	-0.232	1.663	0.347	0.659	-1.725	0.061	0.607	0.084
GIGYF1	0.126	44.812	-0.497	2.614	0.063	54.331	-0.545	0.061	0.138	24.398
GJA3			-0.488	0.422	-0.058	54.331	0.064	49.358	0.172	31.624
GJA5	0.255	7.743	-0.250	3.205	0.311	0.724	0.529	0.399	0.278	4.218
GJB2	0.034	55.170	0.931	0.180	-0.322	3.068	0.605	16.936	0.601	0.993
GJB6	-0.099	44.812	0.290	0.514	0.054	54.331	0.150	8.987	0.637	0.021
GLA	0.035	53.690	0.413	0.829	-0.090	49.127	-0.112	47.420	-0.106	33.879
GLI3	-0.148	37.036	-0.051	10.404	0.287	29.328	-0.083	50.493	0.824	0.021
GLIPR2	0.248	0.324	-0.077	12.522	-0.088	59.432	-0.199	0.250	0.934	0.021
GLMN	0.309	0.666			0.016	60.231			-0.499	0.045
GLRX2	0.253	0.529	0.477	0.107	-0.041	58.074	-0.083	41.825	0.276	8.002
GLS	-0.250	15.278	0.617	0.912	-0.445	1.309	-0.344	13.893	0.616	31.624
GMFB	0.402	0.511	0.584	0.174	-0.177	8.121	-0.168	0.947	-0.524	0.066
GMFG	-0.043	56.130	0.469	0.180	0.097	49.127	-0.371	0.130	0.646	0.021
GNAI1	-0.193	3.157	-0.483	0.107	-0.243	2.659	-0.082	49.358	0.135	24.398
GNAZ	0.335	21.797	0.590	0.267	0.143	36.892	-0.157	47.420	-0.388	0.119
GNB1	-0.088	54.701	0.455	0.514	0.157	41.103	-0.295	0.727	-0.280	0.269
GNG11	-0.194	18.587	-0.507	0.614	0.150	17.386	0.242	1.332	0.364	14.822
GNS	-0.067	55.870	-0.929	0.935	0.232	49.127	-0.265	49.358	0.268	24.398
GOLGA3	0.464	0.052	0.522	0.514	-0.067	41.103	0.222	1.210	-0.112	31.624
GOLGA5	0.319	15.278	0.245	5.829	-0.706	0.092	0.444	0.399	-0.140	24.398
GOLGA7	-0.091	55.559	0.531	0.354	0.117	49.127	0.046	49.358	-0.217	1.977
GOLGB1	-0.461	0.052	0.428	6.703	-0.539	0.281	0.591	0.130	-0.407	0.084
GOLPH3	0.129	44.812	0.711	0.107	0.254	9.255	-0.447	41.825	0.462	0.977

GOPC	0.178	44.812	-0.414	3.205	0.306	0.092	-0.682	4.906	-0.225	11.001
GORAB	0.178	2.450	-0.077	13.299	-0.234	3.475	-0.121	32.497	-0.501	0.021
GPAT2	0.110	18.587	-0.219	1.772	-0.114	49.127			0.471	0.166
GPC5	-0.358	1.431	0.792	0.086	-0.558	1.309	0.342	47.420	0.123	44.052
GPCPD1	-0.332	0.324	0.227	8.253	-0.131	55.771	0.077	47.420	-0.427	0.021
GPM6B	0.078	49.540	-0.357	0.514	-0.356	0.641	-0.110	13.893	-0.350	0.045
GPNMB	0.058	44.812	-0.291	0.514			0.144	16.936	1.225	0.129
GPR108	-0.061	54.154	-0.430	3.205	0.017	58.406	0.095	23.450	0.395	0.119
GPR124	-0.038	55.870	-0.417	4.122	0.397	0.641	0.041	53.272	0.168	33.879
GPR156	-0.186	0.324	-0.522	0.514	-0.067	41.103			0.269	11.001
GPR160	-0.785	0.052			-0.163	49.127	0.383	8.987	0.849	0.021
GPR17	0.109	49.540	-0.161	5.829	0.071	54.331	-0.042	51.354	0.562	0.021
GPR179	-0.459	0.052	-0.558	2.859	0.130	36.892	0.191	4.906	0.171	6.001
GPR26	-0.509	0.930	0.180	7.537	-0.414	5.705	-0.622	41.825	-0.254	14.822
GPR37	-0.072	49.540	-0.306	5.829	0.023	58.406	-0.473	0.061	-0.291	0.746
GPR37L1	-0.132	7.743	-0.084	5.829	0.040	49.127	0.162	27.828	0.479	0.746
GPR39	-0.091	44.812	-0.665	0.514			0.069	47.420	0.238	24.398
GPR4	-0.033	56.130	-0.467	2.859	-0.180	8.121	-0.517	0.061	0.087	37.824
GPR56			0.291	0.944			0.185	41.825	0.572	0.129
GPR6	-0.130	21.797	-0.210	0.784	0.036	54.331	0.423	0.130	-0.589	0.021
GPR64	0.069	37.036	0.570	0.986	0.066	54.331	0.298	41.825	-0.299	36.831
GPR84	-0.182	5.928	0.488	0.514					1.566	0.021
GPR85			0.627	0.669	-0.089	33.124	0.175	1.332	-0.532	0.021
GPR88	-1.331	0.052	-0.425	4.122					0.093	42.369
GPR98	0.074	37.036	-0.362	3.205	0.132	5.705	0.427	0.573	-0.067	31.624
GPRC5C	-0.137	2.450	-0.353	3.009	0.276	0.659	-0.289	32.497	0.666	0.021
GPSM3	0.618	0.052	0.178	5.829	0.141	9.255	-0.425	0.506	0.567	0.471
GPX3			0.244	5.829	-0.563	0.092	-0.320	0.250	0.494	0.039
GRAMD3	-0.100	33.231	-0.308	8.253	0.091	26.120	0.523	0.353	0.411	0.891
GRAP	0.052	52.218	-0.393	0.354	0.077	41.103			0.589	0.021
GRB7	-0.146	52.218	-0.201	3.205	-0.134	12.575	0.375	0.109	0.455	0.886
GREB1L			-0.516	0.602			-0.160	2.913	0.312	0.269
GREM1	-0.241	49.540	0.102	6.703	0.503	0.440	-0.643	7.099	0.607	31.624
GRIA2	0.252	2.450	0.593	0.420	-0.322	36.892	-0.226	27.828	-0.268	1.193
GRIA3	-0.473	0.052	0.446	1.663	-0.187	6.932	-0.204	0.727	-0.656	0.021
GRIA4	-0.557	0.052	0.398	4.122	-0.785	0.402	-0.598	8.987	-0.449	0.129
GRID1	-0.369	0.511	0.329	1.534	0.088	57.395	-0.915	0.061	-0.614	0.021
GRIK4	-0.649	0.052	0.305	0.944	-0.123	58.074	0.452	1.617	-0.651	0.746
GRIN1	-0.031	54.154	-0.160	4.122	0.116	22.899	-0.569	0.061	-0.171	24.398
GRIN2B	-0.084	44.812	-0.537	0.514	-0.134	1.309	-0.376	3.866	-0.424	0.993
GRIP1	-0.127	29.668	0.352	3.009	-0.226	2.056	-0.155	19.971	-0.533	0.119
GRK4	0.020	57.109	-0.396	0.309	0.024	58.406	0.106	41.825	0.305	0.977
GRK5	0.025	52.827	0.370	0.514	0.248	5.705	0.594	16.936	-0.630	0.119
GRK6	0.133	29.668	-0.416	0.602	-0.116	54.331	0.312	32.497	0.059	42.554
GRM5	-0.643	0.262	0.343	2.300	-0.578	6.932	-0.228	11.241	-0.164	24.398
GSDMA	0.139	2.450	-0.480	0.944	-0.219	26.120	0.052	47.420	0.329	31.624
GSDMD	0.209	2.450	-0.064	11.093	0.250	9.255	-0.406	0.353	0.843	0.021
GSG1L	0.077	49.540	0.460	0.180	0.231	36.892			0.002	44.315
GSK3A	0.305	3.157	0.306	5.829	0.029	57.395			0.419	0.391
GSN	0.229	4.284	0.121	9.629			-0.390	0.399	0.904	0.021
GSR	-0.054	49.540	0.336	2.300	0.031	58.611	0.460	0.399	0.105	40.660
GSTK1	-0.236	0.666	-0.627	1.663			0.246	3.866	0.268	24.398
Gstm3	-0.166	37.036	-0.164	4.122	0.158	36.892	0.087	27.828	0.580	0.021
GSTM5	-0.175	29.668	-0.175	3.205	0.156	20.025	0.097	41.825	0.561	0.021
GTDC1	-0.416	0.052	-0.217	5.829	0.185	6.932	0.165	8.987	-0.378	0.269
GTF2IRD1	-0.487	0.052	0.413	5.829	-0.623	9.255	-0.358	1.332	-0.131	24.398
GTF3C4	0.392	0.052	-0.580	3.205	0.134	6.932	0.064	50.493	0.131	33.879
GUCY1A3	-0.890	0.052	-0.400	3.009	0.510	1.309	0.291	41.825	-0.731	0.021
GUSB	0.041	54.154	-0.189	5.829	-0.086	58.074	0.132	27.828	0.626	0.021
GZMM			0.383	7.537	0.074	41.103	-0.214	19.971	-0.645	0.039
H1FX	1.142	0.171	-0.119	5.829	0.250	12.575	0.105	41.825	0.449	0.746
H6PD	-0.244	0.398	-0.360	0.829	-0.170	2.311	0.097	19.971	-0.058	33.879
HADH	-0.888	0.052	-0.489	3.009	0.124	10.694	0.814	0.061	0.969	0.021
HAO1	-0.493	0.511	0.413	0.107	0.185	4.053	-1.031	1.332	-0.866	0.021
HAPLN1	-0.478	0.170	0.917	0.300	0.116	41.103	1.355	0.061	-0.868	0.021
HAS1	-0.389	0.171	-0.176	4.122	-0.567	0.092	0.966	1.617	-0.433	0.891
HAS3	0.488	0.052	0.547	0.877	0.211	0.856	0.132	47.420	-0.481	0.021
HBEGF	0.121	12.647	0.253	5.829	0.174	3.475	-0.422	0.177	0.363	8.002

HCFC1	-0.747	0.052	-0.366	5.829	0.322	5.705	0.260	4.906	-0.121	24.398
HCFC2	0.129	37.036	0.520	2.773	-0.120	20.025	-0.205	0.250	0.492	0.993
HCK	0.539	0.170	-0.366	6.703	0.127	4.053			0.978	0.021
HCLS1	0.019	56.130	-0.277	2.859	0.076	29.328	0.109	47.420	0.567	0.066
HCN3	-0.364	15.278	-0.464	2.773	-0.693	0.092	0.935	0.130	-0.146	35.531
HCRTR2	-0.849	0.171	-0.432	4.122	-0.071	57.395	-0.720	1.617	-0.790	0.021
HCST	-0.053	57.367	-0.150	0.784	0.297	2.056	-0.476	0.061	1.244	0.021
HDAC7	-0.511	0.052	-0.286	3.009	0.163	20.025	-0.235	27.828	0.288	31.624
HDAC8	-0.157	3.157	0.290	8.881	0.143	49.127	-0.288	11.241	-0.750	0.021
HDAC9	-0.536	0.052	-0.259	0.784	-0.641	0.092	-0.595	0.250	-1.016	0.021
HDC	-1.365	0.052	0.759	0.300	0.494	12.575	-0.063	50.493	1.183	0.021
HDX	-0.253	54.701	-0.428	4.122	-0.389	0.402				
HEATR3	0.226	0.171	0.529	3.205	0.147	22.899	0.459	0.506	-0.926	0.021
HECTD2	0.060	44.812	0.283	1.663	-0.390	0.092	-0.652	0.947	-0.638	0.045
HECW1	-0.371	0.170	-1.106	2.614	0.121	49.127	0.048	51.354	0.282	24.398
HECW2	0.180	18.587	0.632	0.784	0.138	49.127	0.682	0.947	-0.540	0.129
HEG1	0.368	0.171	-0.316	3.205	-0.132	54.331	-0.745	0.061	0.255	0.977
HELB	0.238	4.284	-0.125	5.829	-0.266	8.121	0.172	41.825	-0.641	0.021
HELQ	0.225	37.036	-0.287	4.122	-0.442	2.311	-1.137	0.061	0.034	43.609
HERC1	0.353	1.936	0.352	3.205	-0.556	0.092	-0.677	0.061	-0.122	14.822
HEXB	0.064	44.812	0.154	1.663	-0.133	9.255	0.161	19.971	0.579	0.021
HFE	0.632	0.171	0.149	5.829	0.569	2.056	0.376	8.987	0.620	0.021
HGF	0.065	44.812	-0.453	0.122	0.470	0.440	0.025	53.829	-0.043	44.052
HHAT	0.114	25.771	-0.293	4.122	-0.085	36.892	-0.561	0.061	-0.065	40.051
HHEX									1.435	0.021
HIP1	0.200	37.036	0.283	3.009	0.065	41.103	-0.077	49.358	-0.618	0.021
HIVEP3	-0.769	0.126	-0.370	4.122	-0.253	3.068	-0.864	0.061	-0.382	0.084
HJURP	-0.787	0.126	-0.923	3.205	0.304	33.124	-0.640	23.450	-0.745	0.166
HK2	0.179	4.284	-0.405	5.829	0.030	56.823	0.084	52.124	0.840	0.021
HLA-B	1.142	0.171	0.314	2.123	0.250	12.575	0.105	41.825	0.503	0.021
HLA-C	0.114	44.812	-0.119	5.829	-0.179	20.025	-0.360	0.061	0.981	0.021
HLA-DMB	0.424	3.157	-0.350	0.267	0.711	0.402	0.550	23.450	0.888	0.021
HLA-DOA	-0.322	5.928			0.458	4.053	0.338	32.497	0.666	0.166
HLA-DQB1	0.322	44.812	0.241	6.703	0.283	0.641	-0.191	47.420	0.706	0.021
HLA-E	0.198	21.797	0.234	2.773	0.128	22.899			0.399	0.119
HLA-G	0.197	9.997	-0.191	4.122	-0.525	0.092	-0.219	4.906	0.579	0.021
HMCN1	-0.259	0.930			-0.566	0.440	0.052	52.656	0.534	0.066
HMGA2	-0.085	57.293	-0.527	0.264	-0.238	20.025	-0.242	13.893	-0.096	39.468
HMGCR	0.309	44.812	0.663	0.669	-0.376	0.092	0.327	47.420	-0.919	0.084
HMGXB4	0.252	0.170	0.780	0.569	0.562	0.092	0.134	41.825	-0.145	24.398
HMMR	0.109	49.540	-0.712	0.514			-0.466	32.497	-0.256	14.822
HN1L	-0.319	49.540	0.233	4.122	-0.451	0.092	0.395	1.210	0.787	0.391
HNRNPAB	-0.123	44.812	0.455	1.212	-0.115	26.120	-0.736	0.121	-0.758	0.021
HNRNPC	-0.214	18.587	0.643	1.663	-0.187	10.694	-0.179	0.399	-0.524	0.021
HNRNPR	-0.199	44.812	0.568	1.663	-0.243	2.311	-0.328	5.543	-0.364	0.166
HNRPDL	0.132	44.812	0.664	1.772	-0.056	57.395	-0.134	41.825	-0.336	0.039
HOMER1	0.311	0.930	0.633	0.986	-0.166	26.120	-0.397	0.573	-0.287	0.391
HOXA7	-0.072	49.540	-0.350	0.986	0.043	54.331	0.045	50.493	-0.007	24.398
HPS3	-0.885	0.052	0.611	0.180	-0.579	1.819	0.072	49.358	-0.689	0.021
HPS6	0.140	7.743	0.335	1.772	0.039	55.771	0.565	0.061	0.122	31.624
HS1BP3	0.166	5.928	-0.144	8.253	0.486	0.240	-0.432	7.099	0.877	0.021
HS2ST1	0.170	7.743	0.753	0.602	0.157	3.475	0.169	7.099	-0.374	6.001
HS3ST1	0.456	0.529	-0.398	4.122	-0.218	22.899			0.072	40.660
HS3ST3B1	-0.219	9.997	-0.116	11.783	-0.292	0.856	0.243	49.358	0.512	0.021
HSD3B7	-0.230	4.284	0.111	2.859	-0.075	54.331	-0.376	1.617	0.446	0.084
HSP90B1	0.092	37.036	-0.511	2.123	-0.478	0.092	0.134	47.420	-0.018	41.878
HSPA12A	0.265	0.052	-1.387	0.204	0.233	4.053	0.263	1.617	-0.295	0.166
HSPA2	-0.115	12.647	0.705	0.180	-0.160	14.770	0.146	3.866	-0.413	4.218
HSPA9	0.142	44.812	0.738	0.986	-0.093	54.331			-0.447	0.021
HSPB1			0.280	1.772	0.305	0.402	0.241	8.987	0.756	0.021
HSPB2	0.140	44.812	0.148	9.629	0.404	0.092	0.594	0.061	0.277	4.218
HSPB3	0.305	0.780	-0.473	1.457	0.146	29.328	0.406	16.936	0.484	0.039
HSPB6	0.267	1.098			0.222	17.386	0.060	49.358	0.966	0.021
HSPB8	-0.226	49.540	0.312	2.859	0.918	0.402	0.404	0.130	0.868	0.891
HTATIP2	0.475	0.780	0.407	1.534	0.164	1.819	0.202	16.936	0.073	42.670
HTR3A	0.288	18.587	0.394	2.773	0.053	56.823	0.167	7.099	-0.678	0.045
HTR5B	0.139	44.812	0.490	0.614	0.334	1.098	0.027	52.656	0.653	0.993
HTR6	-0.193	25.771	-0.555	0.784	-0.296	5.705	0.026	54.831	0.407	0.084

Gene										
HUS1	-0.385	0.431	-0.170	6.703	-0.314	29.328			0.045	42.836
HUWE1	-0.177	3.157	-0.402	0.784	-0.721	0.641	-0.300	41.825	0.168	31.624
HYAL3	-0.434	9.997	-0.109	6.703	0.134	29.328	0.325	1.617	0.694	0.021
HYI	-0.304	0.262	-0.265	4.122			0.271	3.866	0.587	0.269
HYOU1	-0.104	49.540	-0.439	3.205	0.075	49.127	0.079	53.272	0.448	0.039
IARS2	0.094	44.812	0.545	0.663	-0.364	2.659	0.073	49.358	0.138	39.468
ICAM1	0.035	51.013	-0.227	3.205	0.352	2.056	0.531	0.341	1.175	0.021
ICAM2	0.040	49.540	0.254	7.537	0.300	0.641	-0.971	0.061	-0.021	44.315
ID1					0.219	22.899	0.091	32.497	0.994	0.021
ID2	0.026	55.170	0.419	5.829	0.435	0.724	0.181	41.825	0.171	24.398
ID3	-0.283	49.540	-0.144	4.122	0.080	33.124	0.450	0.130	0.736	0.021
IDH2	0.385	0.450	0.271	5.829	0.170	1.309	0.206	47.420	0.176	4.218
IDH3A	0.079	44.812	0.435	4.122	-0.086	41.103	-0.102	41.825	-0.425	0.021
IER2	0.502	0.052	0.423	0.514	0.285	1.556	0.458	11.241	-0.391	0.649
IER3	0.477	0.171	0.345	5.829	0.528	1.098	0.091	41.825	0.429	0.021
IFI27L2	0.057	44.812	-0.168	4.122	0.013	59.432	1.151	0.341	1.482	0.021
IFI30	0.184	15.278	0.074	8.881	0.283	3.068	-0.229	19.971	0.468	0.213
IFIH1	-0.179	44.812	0.218	8.253			0.708	0.061	0.674	0.021
IFIT3			0.629	0.986	-0.101	49.127	-0.296	0.061	0.901	0.213
IFITM2	0.033	52.218	-0.580	0.514	0.218	2.311	-0.155	8.987	0.656	0.021
IFITM3	-0.398	0.529	0.106	11.093			0.319	0.573	1.191	0.021
IFNGR1			-0.250	6.703	0.084	36.892			0.636	0.021
IFT140	-0.432	0.052	0.235	5.829	-0.064	49.127	0.074	41.825	0.263	31.624
IGF1	0.800	0.093	0.166	8.253	0.125	54.331	0.509	0.061	0.289	24.398
IGF1R	0.392	0.093	0.287	1.457	-0.470	41.103	0.049	50.493	-0.129	33.879
IGF2	-0.640	0.052	0.413	0.514	0.137	14.770	0.058	53.272	0.337	0.471
IGFBP2	-0.130	49.540	-0.098	8.881	0.186	26.120	0.159	3.866	0.577	0.021
IGFBP3	0.245	0.262	0.438	0.944	-0.562	0.092	0.144	19.971	-0.392	0.119
IGFBP5	-0.369	2.450	-0.278	3.205	0.155	12.575	0.399	0.947	1.287	0.021
IGFBP6	0.228	9.997			0.369	2.056	0.189	2.415	0.733	0.129
IGFBPL1	-0.062	44.812	-0.229	6.703	-0.054	49.127	0.362	1.210	0.449	0.802
IGHA1	-0.133	37.036	-0.938	0.663	-0.395	29.328	-0.274	2.913	0.423	11.001
IGHM	-0.072	44.812	-0.512	0.784	-0.208	0.856	0.209	0.727	0.443	0.084
IGSF3	-0.575	0.052	-0.510	0.445	-0.269	9.255	0.117	16.936	0.151	33.879
IGSF6	-0.307	7.743	-0.133	5.829	-0.186	54.331	-0.146	23.450	0.840	0.021
IL10RA	0.344	0.171	0.408	0.107	0.443	1.309	-0.370	32.497	0.624	0.021
IL10RB	0.256	9.997	0.456	2.123	0.113	8.121	0.374	0.061	0.590	0.021
IL11RA	-0.127	3.157	-0.356	3.205	0.237	9.255	-0.215	49.358	0.459	0.471
IL15RA	-0.063	33.231	-0.603	0.614	-0.048	54.331	-0.057	41.825	0.189	31.624
IL16	-0.469	0.052	-0.162	4.122	-0.620	2.311	0.434	13.893	-0.583	0.269
IL17F	0.463	0.157	-0.087	8.253	0.031	56.823	-0.135	32.497	0.010	44.052
IL18BP	-0.181	18.587	-0.284	3.205	0.159	22.899	-0.347	1.878	0.563	0.021
IL1RAP	-0.423	0.052	0.410	0.514	-0.507	0.092	-0.525	1.332	-0.482	0.993
IL20RA	-0.454	44.812	-0.390	6.703	0.721	0.092	0.223	54.831	-0.893	0.891
IL20RB	-0.714	0.093	0.462	0.354	0.473	0.092	-0.886	0.061	0.396	31.624
IL2RA	-0.477	0.052	0.331	5.829	0.024	59.432	-0.354	4.906	0.882	0.021
IL33	-0.164	3.157	-0.140	11.093	0.047	54.331	0.143	5.543	0.444	0.213
IL3RA	0.067	44.812	-0.119	9.629	-0.098	54.331	-0.144	27.828	0.387	0.166
IL4I1	-0.055	51.013	-0.080	11.093	0.038	54.331	0.281	4.906	0.679	0.021
IL4R	0.200	15.278			0.537	0.733	0.063	52.656	0.276	11.001
INADL	-0.372	1.098	-0.663	2.614	0.156	54.331	-0.705	0.573	0.645	0.021
INHA	-0.067	44.812	0.347	2.123	0.088	54.331	0.136	41.825	-0.907	0.021
INHBA	-0.232	21.797	0.287	5.829	0.462	0.092	0.074	19.971	0.377	14.822
INPP5D					-0.073	56.823	0.340	7.099	1.004	0.021
INPP5K	-0.378	2.450	-0.641	0.935	-0.084	54.331	0.083	47.420	0.182	36.831
INSIG1	-0.489	0.126	0.339	3.009	-0.380	5.705	-0.474	27.828	-0.659	0.021
INSM1	0.165	29.668	0.196	7.537	0.206	8.121	-0.146	16.936	-0.506	0.166
INTS3	-0.073	44.812	-0.542	3.205	0.051	58.074	0.116	27.828	0.510	0.471
IP6K1	-0.087	52.218	-0.097	10.404	0.078	49.127	0.583	0.061	-0.226	1.193
IPMK	0.213	33.231	0.612	0.107	0.148	12.575	-0.161	4.906	0.328	14.822
IPO5	0.260	12.647	0.818	0.877	-0.099	33.124	0.186	23.450	-0.404	0.021
IQGAP1	-0.495	0.052	-0.226	4.122	0.067	29.328	-0.126	54.403	-0.179	33.879
IQGAP3	-0.393	12.647	-0.205	0.784	0.635	0.092	0.876	8.987	0.926	0.649
IRAK1	0.030	55.870	0.420	1.772	-0.176	47.420	-0.123	6.932	-0.589	0.166
IRF1	-0.147	1.098	0.215	7.537	0.141	3.068	0.151	47.420	0.475	0.021
IRF5	-0.125	52.218	-0.363	2.859	0.289	41.103	0.275	23.450	0.831	0.021
IRF8	-0.424	18.587	0.191	8.253	-0.054	58.074	0.287	1.617	0.688	0.021
IRF9			0.549	2.614			-0.207	1.332	0.592	0.021

IRGM	0.269	0.262	0.597	0.595	0.081	26.120	0.269	4.906	0.473	0.471
Irgm2	0.029	56.874	0.287	0.300	0.327	2.659			0.761	0.021
ISG15	-0.135	44.812	0.275	1.086	0.336	0.281	0.102	53.272	0.487	0.129
ISL1	-0.935	0.529	-0.338	2.859	0.081	49.127	0.139	19.971	-0.151	24.398
ISLR	-0.531	0.666	-0.140	5.829	0.091	36.892	-0.149	52.124	0.397	0.993
ISOC1	-0.315	7.743	0.331	3.205	-0.086	41.103	-0.244	7.099	-0.505	0.119
ITGA3	0.413	5.928	-0.673	2.614	-0.223	2.311	0.076	53.829	-0.435	0.307
ITGA4	0.162	29.668	-0.988	0.107	-0.238	12.575	-0.784	1.878	0.380	0.021
ITGA7	0.668	0.052	-0.327	0.944	-0.349	20.025	0.294	47.420	-0.191	31.624
ITGA9	-0.292	44.812	-0.174	2.614	-0.133	22.899	-0.636	5.543	0.446	0.269
ITGAX	-0.082	37.036	-0.343	0.784	0.010	60.231	-0.025	54.403	1.220	0.021
ITGB1	0.288	0.780	0.602	0.180	0.079	36.892	0.259	4.906	0.116	24.398
ITGB2	-0.114	7.743	-0.276	0.784	0.014	59.432	-0.115	27.828	0.576	0.021
ITGB3	-0.225	5.928	-0.393	0.784	0.439	12.575	-1.062	0.061	0.670	0.021
ITGB4	-0.437	18.587	0.098	11.093			0.509	0.061	0.313	24.398
ITGB5	-0.066	54.701	-0.378	2.614	-0.032	58.406	-0.087	49.358	0.677	0.021
ITIH3	-0.232	9.997	0.295	3.009	-0.419	0.281	0.119	11.241	0.605	0.021
ITIH5	-0.132	25.771	-0.083	10.404	0.197	9.255	-0.089	27.828	0.490	0.746
ITPR3	-0.196	18.587	-0.840	1.772			0.121	47.420	0.646	0.021
JAK3	-0.360	21.797	0.221	5.829	0.227	0.641	0.370	1.210	0.617	0.021
JAKMIP2			-0.535	0.514	-0.393	1.819	0.065	41.825	-0.446	0.307
JHDM1D	0.431	0.052	0.390	2.300	0.338	2.659	-0.467	0.130	0.608	0.021
JMJD7-PLA2G4B	0.291	0.126	0.657	0.107	0.318	0.402	-0.106	47.420	-0.711	0.021
JMY	0.016	56.130	-0.406	3.205	-0.058	58.074	-0.401	7.099	-0.557	0.021
JTB	0.031	56.130	0.472	0.107	0.018	58.611	0.113	41.825	0.085	31.624
JUN	-0.359	0.398	0.322	0.595	0.311	0.517	0.080	41.825	1.011	0.021
JUND	0.153	33.231			0.114	41.103	0.324	19.971	0.503	0.039
KATNAL1	-0.102	37.036			0.151	49.127	0.230	47.420	-0.602	0.269
KATNAL2	-0.234	0.093	0.598	1.289	0.056	54.331	0.184	23.450	-1.148	0.021
KAZN	-0.382	0.431	0.233	2.300	0.189	4.053	0.141	49.358	0.464	0.307
KCNC1	0.194	49.540	-0.363	4.122	0.134	20.025	-0.109	27.828	-0.478	0.039
KCNF1	-0.568	0.171	0.693	0.264	0.501	49.127	0.058		-0.327	31.624
KCNG2	-0.084	55.170					-0.190	16.936	-0.517	0.993
KCNH1	-0.398	12.647	0.601	0.514	-0.180	12.575	-0.418	27.828	-0.842	0.021
KCNH3	0.057	53.690			0.029	58.074	-0.245	19.971	-0.378	0.269
KCNJ12	-0.473	7.743			0.382	1.309	-0.201	52.124	0.637	0.193
KCNJ16	-0.030	57.367							-0.573	0.993
KCNJ3	0.278	0.398	0.541	2.123	-0.126	41.103	0.130	47.420	-0.493	0.129
KCNK6	-0.398	0.052	0.180	0.514	0.048	54.331			0.873	0.021
KCNMA1	0.059	49.540	0.343	6.703	-0.107	54.331	-0.095	41.825	-0.400	0.307
KCNQ1OT1	-0.493	0.324	-0.101	3.205	-0.486	0.092	-0.430	7.099	-0.789	0.021
KCNT2	-0.246	2.450	0.216	4.122	0.079	49.127	0.162	47.420	-0.572	0.066
KCTD7	-0.056	52.218	0.571	0.944	-0.239	1.309	-0.380	2.415	0.313	31.624
KDM2A	-0.204	0.511	-0.335	4.122	-0.530	0.641	-0.216	5.543	-0.462	0.993
KDM2B	0.077	49.540	0.535	0.264	0.203	4.733	0.430	0.341	-0.259	2.886
KDM5B	-0.200	1.936	0.415	5.829	-0.182	14.770	-0.376	0.573	-0.354	0.129
KDM6B	-0.121	37.036			0.098	41.103	-0.773	0.061	-0.116	24.398
KDR	-0.286	0.093	-0.330	4.122	0.138	3.475	-0.103	54.403	-0.832	0.021
KHDRBS2	-0.233	7.743	0.105	11.093	0.398	4.053	0.105	23.450	-0.127	44.315
KIAA0090	-0.120	44.812	0.506	0.986	0.138	9.255	0.229	7.099	0.139	24.398
KIAA0101	-0.670	0.093	-0.930	1.029	-0.493	1.309	-0.612	0.353	0.549	0.021
KIAA0182	0.067	49.540	-0.354	3.205	0.133	10.694			0.577	0.119
KIAA0247	0.128	12.647	0.201	8.881	0.401	1.098	-0.487	0.061	0.099	33.879
KIAA0319	0.058	54.154	0.522	1.534	-0.304	0.092	0.045	47.420	-0.430	0.391
KIAA0368	-0.735	0.171	0.566	0.784	-0.189	49.127	0.293	1.617	-1.225	0.021
KIAA0913	-0.223	0.780	0.337	2.614	-0.062	54.331	-0.075	41.825	-0.610	0.045
KIAA0922	-1.328	0.052	0.402	5.829	-0.639	0.724	-0.476	49.358	-0.421	0.119
KIAA0947	0.016	55.559	0.521	3.009	0.039	54.331	-0.229	0.573	-0.414	0.021
KIAA1009	-0.512	0.052	-0.505	0.944	0.204	14.770	-0.726	0.855	0.761	0.021
KIAA1109	-0.157	12.647	-0.307	6.703	-0.286	2.056	-0.472	0.250	-0.537	0.021
KIAA1199	-0.434	0.052	0.656	0.264	0.258	2.056	-0.282	19.971	-0.929	0.993
KIAA1324	0.055	49.540	0.762	0.445	0.151	8.121	0.041	49.358	0.157	14.822
KIAA1377	0.494	0.171	0.521	2.123	-0.060	58.406	0.099	47.420	-0.294	1.977
KIAA1456	0.083	44.812	0.481	0.595			0.117	47.420	-0.193	1.977
KIAA1804	-0.167	4.284	0.384	4.122	-0.130	8.121	0.502	0.061	-0.129	8.002
KIAA1958	0.191	1.098	0.396	0.514	0.162	26.120	-0.128	41.825	0.419	0.066
KIF1B	-0.440	0.052	0.558	1.289	-0.308	4.053	-0.368	47.420	0.361	0.129
KIF1C	-0.189	21.797	-0.693	0.534	-0.131	26.120	0.239	11.241	0.223	24.398

KIF26B	-0.742	0.052	0.202	0.514			-0.951	0.250	-0.012	44.315
KIF2A	-0.259	0.171	0.667	0.300	-0.134	4.053	0.128	47.420	-0.200	4.218
KIF5C	-0.300	0.666	0.282	1.289	0.167	49.127	-0.576	7.099	-0.281	8.002
KIFAP3	-0.247	0.780	-0.508	1.663	-0.283	0.856	-0.227	1.878	-0.451	0.021
KIFC3	0.094	29.668			0.118	8.121	-0.510	0.353	0.343	0.084
KIT	-0.829	0.052	0.685	0.204	0.115	41.103	0.154	19.971	-0.763	0.021
KLC2	-0.036	52.827	-0.391	0.859	0.033	54.331	0.081	47.420	0.004	44.052
KLF13	-0.580	0.666	-1.199	0.935	0.120	36.892	0.091	47.420	0.229	31.624
KLF3	-0.163	44.812	0.543	1.289	-0.400	0.240	-0.178	47.420	0.772	0.045
KLF4	-0.154		-0.561	4.122	0.402	0.724	-0.128	49.358	0.004	44.052
KLHDC5	0.746	0.052	0.569	0.107	0.357	0.092	-0.690	0.061	-0.677	0.066
KLHL21	0.370	2.450	0.417	0.784	-0.092	17.386	0.324	0.399	-0.065	31.624
KLK6	-0.065	54.701	-0.576	2.614	-0.208	10.694	0.413	1.210	1.188	0.021
KLK7	0.317	0.262	-0.405	1.086	0.166	9.255	0.250	41.825	0.656	0.166
KLK9	0.084	44.812	-0.245	4.122	0.117	9.255	0.243	32.497	0.453	0.886
KPNA3	-0.085	54.701	-0.455	0.514	-0.083	41.103	0.043	53.829	-0.315	0.119
KPNA4	0.146	51.013	-0.401	2.859	-0.674	0.092	-0.108	7.099	0.406	0.993
KPNB1	0.069	49.540	-0.224	3.009	0.061	54.331	0.098	41.825	0.667	0.066
KRAS	-0.161	5.928	0.559	5.829	-0.111	17.386	-0.232	0.573	-0.633	0.021
KREMEN1	-0.769	0.398	0.300	2.123	0.291	1.556	-1.616	0.061	0.316	42.670
KRIT1	-0.568	0.398	0.418	4.122	-0.116	58.406	-0.310	1.878	-0.775	0.021
KRR1	-0.269	0.511	0.885	0.877	0.101	20.025	-0.453	1.617	-0.666	0.021
KRT2	-0.319	25.771	0.391	0.445	0.876	0.402	0.453	41.825	-0.350	31.624
KRT79	-0.177	52.218	0.385	0.669	0.882	0.517	0.434	0.061	-0.453	24.398
LAG3					0.469	3.475	0.038	52.124	1.210	0.021
LAIR1	-0.291	0.171	-0.822	0.784	0.362	1.556	-0.728	0.061	1.192	0.039
LAMA3	0.446	0.052	-0.199	3.205	0.463	0.092	0.278	1.878	0.204	31.624
LAMA5	-0.413	0.052	0.329	5.829	0.053	56.823	-0.380	19.971	0.231	44.203
LAMB2	0.058	49.540	0.516	1.772	0.348	1.309			0.423	0.021
LAMP2	-0.094	52.218	0.278	1.457	-0.149	6.932	-0.204	23.450	0.460	0.398
LANCL1	0.105	29.668	0.677	2.300			-0.292	0.061	-0.493	0.021
LANCL2	0.110	52.218	0.414	0.174	-0.101	36.892	0.599	1.878	1.139	0.021
LAPTM5	-0.134	3.157					-0.292	33.124	1.024	0.021
LARP4	0.162	18.587	0.723	0.514	-0.155	36.892	-0.146	27.828	-0.411	0.391
LARS	-0.768	0.052	0.635	0.944	-0.760	0.092	0.110	41.825	0.171	31.624
LASP1	0.214	18.587	-0.192	4.122	0.328	0.402	-0.269	0.341	0.484	0.119
LAT2	0.153	53.690	-0.238	1.663	0.319	0.092	-0.400	41.825	0.914	0.021
LCAT	-0.142	52.827	0.165	10.404	0.418	0.733	-0.128	8.987	0.276	24.398
LCn2									1.554	0.021
LCP1	-0.682	1.098	0.104	9.629	0.048	58.928	0.277	4.906	0.769	0.021
LDB2	-0.270	2.450	-0.160	5.829	0.389	0.724	-0.224	0.250	-0.182	33.879
LDLR	-0.051	53.690	-0.175	0.784	-0.448	0.092	-0.081	47.420	0.064	41.258
LDLRAP1	0.415	0.052	0.059	12.522	0.268	33.124	-0.368	27.828	0.603	0.021
LEFTY1			0.323	5.829	0.042	58.074			1.649	0.021
LEPREL4	0.016	57.109	0.229	0.595	-0.173	54.331	0.431	0.947	-0.110	24.398
LGALS1	-0.128	7.743	-0.325	3.205	0.171	36.892			0.794	0.021
LGALS3	-0.022	57.293	-0.227	4.122	-0.084	41.103	-0.076	32.497	0.950	0.021
LGALS3BP	0.016	56.765	-0.351	4.122	0.166	3.475	0.653	0.061	1.135	0.021
LGALS4	-0.686	0.398	1.055	0.107	0.271	0.724	0.427	11.241	0.387	0.746
LGI1	-0.239	0.398	0.528	2.773	-0.263	29.328	0.292	5.543	-0.673	0.471
LGI4	-0.110	44.812	0.134	4.122	-0.063	54.331	0.501	0.399	0.324	14.822
LGR5	0.933	0.262	-0.408	0.784	-0.540	4.733			-0.457	6.001
LHX9	-0.741	0.052	0.204	2.123	-0.898	0.092	-0.208	4.906	-1.206	0.021
LIG3	0.282	0.930	-0.654	0.514	0.059	54.331	0.114	41.825	0.161	35.531
Lilrb3	0.049	49.540	-0.717	0.514			0.053	50.493	1.255	0.021
LIMA1	-0.466	0.052	0.413	0.602	0.012	60.505	-0.317	32.497	0.854	0.021
LIMD1	0.142	25.771	0.178	2.614	0.079	36.892	0.451	0.061	0.311	2.886
LIME1	0.029	52.827	-0.499	0.205	0.050	55.771	0.128	32.497	0.188	11.001
LIMK1	-0.410	0.171	-0.489	3.009					0.090	33.879
LIMS2	0.110	49.540	-0.180	8.253	0.049	54.331	0.262	0.292	0.396	0.045
LIN28B			-0.393	0.784	-0.323	17.386	-0.541	32.497	-0.094	40.051
LIN7A	0.490	0.171	0.824	0.595	0.283	1.556	0.101	49.358	-0.618	0.269
LINGO2	-0.507	0.052	-0.362	0.204	0.266	41.103	0.202	2.415	-0.321	8.002
LIPE	0.103	44.812	-0.889	2.859	-0.128	22.899	0.394	0.341	0.320	24.398
LITAF	-0.338	0.093	0.221	0.514	0.045	57.395	-0.325	0.177	0.560	0.977
LMAN2	-0.063	44.812	0.467	0.514	-0.070	58.406	-0.125	23.450	-0.514	0.166
LMCD1	0.097	37.036	0.195	5.829	-0.071	56.823	0.735	0.061	-0.109	37.824
LMNB1	-0.228	0.262	0.286	5.829	-0.127	3.475	-0.853	0.121	-0.650	0.977

LMNB2	0.201	12.647	-0.401	4.122	0.661	0.092	-0.607	1.617	0.927	0.021
LMO3	0.163	12.647	0.506	0.514	-0.082	29.328	-0.097	32.497	-0.194	31.624
LMO4	-0.083	37.036	-0.144	5.829	-0.044	58.928	-0.281	41.825	-0.420	0.084
LMTK2	0.211	0.930	0.536	0.107	0.448	0.092	0.232	19.971	0.588	0.391
LOC100505793/SRSF10	-0.096	18.587	0.670	2.300	-0.140	58.074	-0.900	0.177	-0.262	4.218
LOC390760	-0.345	0.324	0.286	0.514	0.079	56.823	-0.559	1.210	-0.400	8.002
LPAR4			0.162	9.629	-0.484	0.092	0.131	7.099	-0.358	31.624
LPAR6	-0.564	0.052	-0.710	0.484	-0.295	10.694	-0.473	0.353	0.104	42.212
LPCAT2	-0.080	49.540	-0.110	5.829	-0.099	49.127	-0.220	23.450	0.552	0.045
LPGAT1	-0.213	0.171	0.047	10.404	-0.146	14.770	-0.078	49.358	-0.353	0.066
LPHN1	-0.193	0.511	-0.563	2.123	0.087	41.103	-0.080	27.828	-0.484	0.649
LPHN2	-0.102	52.827	0.190	3.205	0.416	0.856	-0.243	23.450	0.238	42.030
LPIN2	0.262	1.431	0.450	0.107	0.052	41.103	-0.452	3.866	-0.208	0.213
LPL	0.221	7.743	0.212	2.614	-0.166	4.733	-0.310	5.543	-0.518	0.021
LPP	0.516	5.928	0.664	0.107	-0.512	0.092	-1.402	0.061	-0.343	24.398
LPXN	-0.228	51.013	0.746	0.944	0.025	58.074	-0.308	50.493	1.386	0.021
LRCH1	-0.263	0.666	-0.140	10.404	-0.158	22.899	0.327	0.061	-0.437	0.021
LRIG2	0.560	0.093	0.183	5.829	-0.183	4.053	0.171	52.124	0.523	0.021
LRIG3	0.083	25.771	-0.279	9.629					-0.437	0.471
LRP2	0.110	15.278	-0.184	2.614	-0.969	0.856	0.345	16.936	-0.346	31.624
LRP8	-0.111	57.293	0.607	0.180	0.068	58.406	-0.779	11.241	0.278	33.879
LRRC15	0.044	49.540	-0.415	0.205	0.102	49.127	0.126	2.913	0.103	31.624
LRRC28	0.194	3.157	0.368	0.514	-0.278	1.556	-0.715	0.061	-0.583	0.084
LRRC46	-0.086	37.036	0.089	8.253	0.201	6.932	0.502	0.921	0.070	38.751
LRRC7	0.133	12.647	0.670	1.457	0.139	4.733	0.064	47.420	-0.396	0.471
LRRK2	-0.231	0.529	0.121	11.783	0.173	5.705	-0.517	0.061	-0.408	0.119
LRRN3	0.213	33.231	0.481	0.514	-0.158	4.733	0.291	1.210	-0.297	2.886
LRRN4	-0.244	49.540	0.527	2.123	-0.093	49.127	-0.908	0.061	-0.194	36.831
LRRTM3	-0.751	0.398	0.550	0.784	0.141	55.771	-0.948	2.415	-0.502	0.166
LSS	0.110	44.812	0.727	1.212	0.099	49.127	-0.425	11.241	-0.391	0.746
Lst1	-0.093	37.036	-0.392	3.205	0.327	0.724	-0.057	41.825	0.916	0.021
LTBP3	-0.106	12.647	-0.543	2.859	0.124	49.127	0.123	2.415	0.452	0.066
LTBR	0.036	49.540	0.484	0.595	-0.063	55.771	0.591	0.292	0.937	0.021
LTC4S	0.131	44.812	-0.095	8.881	0.196	0.856			0.627	0.021
LTK	0.082	52.827			0.286	1.819	-0.356	0.727	-0.215	14.822
LTN1	0.173	7.743	-0.421	0.514	0.053	54.331	0.114	19.971	-0.172	24.398
LUC7L	0.127	18.587	0.614	0.595	-0.161	14.770	-0.301	1.617	-0.257	31.624
LY6E	0.056	51.013			-0.124	49.127	0.043	51.354	-0.546	0.119
LY86	-0.570	0.170	-0.191	8.881	-0.063	58.074	0.132	5.543	1.361	0.021
LY96	-0.712	4.284	0.124	2.300	0.291	2.056	0.962	0.061	0.670	0.021
LYL1	0.089	37.036	-0.119	10.404	-0.103	58.928	0.438	2.913	0.744	0.021
LYN	0.353	0.052	0.665	0.669	0.233	0.659	0.112	7.099	0.511	0.993
LYVE1	-0.140	29.668	-0.832	1.663	0.310	20.025	-0.218	0.506	-0.523	0.307
Lyz1/Lyz2	0.106	49.540	-0.338	3.009	-0.312	0.281	0.245	0.177	1.476	0.021
LZTS1	-0.169	15.278	-0.751	0.602	0.210	33.124	-0.908	0.061	0.420	11.001
MAD2L1	0.288	0.511	0.352	2.859	0.157	17.386	0.285	7.099	-0.393	0.891
MADD	-0.212	1.098	-0.116	6.703	0.068	41.103	0.075	41.825	0.458	0.084
MAEL	-0.183	29.668			-0.531	2.056	-1.249	0.061	0.266	8.002
MAF	0.668	1.098	-0.439	2.859	0.266	9.255	-0.315	0.061	0.444	0.993
MAFB	0.115	49.540	-0.124	8.253	-0.071	58.928	0.127	32.497	0.621	0.021
MAFF	-0.448	18.587	0.588	0.204	0.510	0.092	-0.418	1.878	0.956	0.021
MAFG	0.277	0.171	0.397	0.445	0.279	4.733	-0.540	3.866	-0.056	35.531
MAGI2	0.034	52.827	-0.227	3.205	0.050	49.127	0.091	51.354	0.499	0.021
MAGT1	-0.058	44.812	0.411	2.123	0.075	55.771	0.404	16.936	0.800	0.084
MAL2	-0.049	55.870			0.507	0.517	-0.283	11.241	0.160	38.751
MALAT1	-0.787	0.170	0.451	5.829	-0.870	0.092	-1.325	0.061	0.510	0.021
MAMDC2	-0.112	44.812			-0.110	14.770			0.825	0.021
MAML1	0.466	0.936	0.171	5.829	-0.106	54.331	-0.058	54.403	0.213	2.886
MAN2A2	-0.311	2.450	0.360	2.300	0.316	3.068	-0.240	47.420	0.506	0.021
MAN2B1	-0.054	52.827	-0.234	2.300	-0.079	58.406	0.127	27.828	0.641	0.021
MAN2B2	-0.100	52.218			0.079	49.127	0.133	47.420	0.529	0.021
MAOB	-0.319	0.780	-0.564	0.893	-0.224	0.641	0.082	32.497	0.437	41.258
MAP1B	-0.102	44.812	-0.440	1.086	-0.407	0.240	0.045	53.829	0.115	31.624
MAP2	0.162	44.812	-0.604	4.122	-0.333	20.025	-1.073	0.061	-0.507	0.021
MAP2K1	0.013	56.130	0.493	1.663	0.052	55.771			-0.450	0.021
MAP2K6	-0.458	0.052	-0.441	1.457	0.051	57.395	0.398	47.420	0.041	42.670
MAP3K1	-0.430	0.171	0.250	5.829	-0.199	36.892	-0.256	0.353	0.611	0.066
MAP3K14	0.610	0.262	0.462	0.514	-0.073	41.103	-0.517	0.061	-0.187	31.624

MAP3K2	0.210	15.278	-0.265	4.122	-0.627	0.092	-0.269	41.825	0.329	24.398
MAP3K9	-0.350	4.284	-0.135	5.829	-0.142	9.255	0.125	50.493	0.843	0.021
MAP4K3	-0.274	0.666	0.536	1.457	-0.294	17.386	-0.341	0.727	-0.498	0.084
MAP4K5	-0.329	15.278	0.734	0.514	0.103	41.103	0.065	49.358	-0.495	0.891
MAP7	0.221	1.098	0.262	0.986	0.027	56.823	-0.759	0.061	0.587	0.307
MAPK1IP1L	-0.238	44.812	-0.186	1.772	-0.321	0.281	-0.859	0.061	-0.647	0.021
MAPK6	-0.132	25.771	-0.091	8.881	0.339	6.932	-0.204	0.855	-0.363	0.891
MAPK7	0.111	15.278	-0.443	0.784	-0.040	58.074	0.027	54.831	0.441	0.891
MAPK8	-0.349	0.126	-0.449	2.123	-0.239	36.892	-0.371	47.420	-0.514	0.045
MAPKAPK2	-0.347	25.771	0.273	0.484	0.159	33.124	-0.364	19.971	1.044	0.021
MARCH6	-0.148	49.540	0.618	0.107	-0.389	0.517	0.413	27.828	1.275	0.021
MARK1	0.074	44.812	0.098	11.783	0.090	49.127	0.096	41.825	-0.608	0.084
MAS1	0.255	0.170	0.196	7.537	0.153	36.892	-0.186	0.727	-0.481	0.993
MASP2	-0.600	0.052	-0.478	0.514	-0.245	55.771	0.389	3.866	0.158	24.398
MAST4	0.101	37.036	0.399	0.354	0.164	4.053	-0.091	8.987	-0.117	24.398
MAVS	-0.049	52.218	-0.274	3.205	0.107	20.025	0.016	54.831	0.406	0.418
MAZ	0.169	44.812	-0.542	2.859	0.189	0.856	-0.122	41.825	0.264	0.993
MB			-0.556	0.484			-0.232	41.825	-0.356	0.021
MB21D2	0.298	21.797	-0.454	0.514	0.118	49.127	0.158	41.825	0.671	0.119
MBD1	0.288	0.171	0.400	0.180	0.520	8.121	-0.721	0.506	-0.172	36.831
MBNL1	0.157	33.231	0.531	2.614	-0.107	33.124	-0.088	23.450	-0.382	0.021
MBOAT1	0.009	56.765	0.583	0.663	-0.043	58.928	-0.250	0.947	0.165	11.001
MBP	-0.121	15.278	0.341	0.784	0.249	14.770	-0.132	54.403	0.603	0.021
MCL1	0.355	0.126	0.563	1.457	-0.027	58.406	-0.077	32.497	0.245	1.977
MCM2	0.170	3.157	-0.507	2.859	-0.067	55.771	-0.149	49.358	0.495	0.021
MCM6	0.072	37.036	-0.462	1.289			0.471	0.506	0.182	8.002
MCM8	-0.041	52.218	-0.599	2.859	-0.052	58.611	0.203	13.893	-0.397	0.993
MCTP1	-0.423	0.324	0.241	2.614	-0.456	14.770	0.070	49.358	-1.262	0.021
MDGA2	0.186	44.812	0.571	1.289	-0.064	41.103	-0.440	0.947	-1.158	0.021
MDH1	-0.261	0.324	0.500	2.300	-0.164	17.386	-1.185	0.061	-0.406	0.021
MDM4	0.144	54.154	-0.471	0.893	0.324	22.899	-0.287	19.971	0.202	31.624
ME1	0.172	21.797	0.712	0.877	0.108	54.331	0.146	5.543	-0.441	0.021
MED13	0.648	0.171	0.396	1.772	0.116	33.124	-0.772	0.061	-0.622	0.119
MED13L	-0.239	0.666	0.536	2.614	-0.205	41.103	-0.141	50.493	-0.127	31.624
MED22	0.290	0.171	0.483	4.122	0.131	49.127	0.555	1.878	0.479	0.891
MED7	0.274	0.324	0.137	5.829	-0.206	6.932	0.514	0.121	1.092	0.021
MEF2B	-0.398	0.357	-0.131	5.829	0.132	6.932	0.174	16.936	-0.032	39.468
MEF2C	-0.339	15.278	-0.527	0.944	0.091	55.771			-0.055	38.751
MEGF6	0.213		0.481	0.514	0.727	0.092	0.186	47.420	0.357	40.660
MEGF9	-0.306	0.780	-0.454	2.859	-0.485	1.819	0.117	13.893	-0.299	2.886
MELK	-0.496	25.771	0.131	9.629			1.126	0.061	0.407	0.129
MET	-0.202	37.036	0.355	0.267	0.296	41.103	-0.608	0.399	0.347	31.624
METTL20	0.090	44.823	0.375	1.663	0.041	56.823			-0.674	0.021
METTL5	0.102	49.540	0.548	0.300	-0.090	33.124	0.139	7.099	-0.241	0.391
MFAP3	0.148	5.928	0.479	2.773	0.283	12.575	-0.506	0.061	-0.696	0.039
MFI2	-0.226	0.780	-0.298	0.484	0.035	55.771	0.339	27.828	0.718	0.021
MFN1	-0.073	51.013	0.889	0.420	0.057	49.127	-0.499	2.415	-0.179	24.398
MFSD8	0.072	44.812	0.759	0.595	0.103	20.025	0.490	5.543	-0.351	0.993
MGAT4A	0.655	0.171	0.619	0.204	0.022	57.395	0.147	51.354	-0.583	0.021
MGEA5	0.247	21.797	0.601	0.264	0.234	1.098	0.476	0.061	-0.123	14.822
MGP	-0.224	49.540	0.499	2.773	0.161	36.892	-0.264	41.825	0.054	24.398
MGST1	0.116	18.587	0.642	0.595	-0.173	20.025	0.238	23.450	0.674	0.021
MGST3	0.420	0.052	-0.531	2.859	-0.241	1.098	-0.127	41.825	-0.901	0.066
MIA	0.153	25.771	0.354	0.986	0.171	1.098	0.265	47.420	1.050	0.021
MIB1	-0.779	0.052	0.820	0.300	-0.438	5.705	0.515	19.971	-1.077	0.021
MICAL1	-0.086	29.668	-0.553	2.123	0.260	12.575	0.048	52.656	0.597	0.021
MICALL1	-0.059	49.540	-0.611	0.614	0.209	1.556	-0.154	41.825	0.601	0.993
MICALL2	-0.604	0.052	0.323	5.829	0.684	0.092	0.037	54.831	1.060	0.021
MID1	-0.118	5.928	-0.621	0.893	-0.178	8.121	0.043	52.656	0.251	0.886
MIER1	-0.312	0.093	-0.156	11.093	-0.413	0.092	1.176	0.399	-0.099	24.398
MITD1	0.517	15.278	0.578	0.180	0.117	4.733	0.234	47.420	-1.278	0.021
MITF	-1.152	0.052	0.255	0.354	-0.530	10.694	-1.540	0.061	0.478	31.624
MKL2	0.518	1.098	-0.391	2.614	0.227	2.056	0.326	8.987	-0.699	0.021
MLC1	-0.191	0.511	-0.179	0.514	0.057	54.331	0.086	27.828	0.518	0.391
MLLT4	0.312	29.668	0.710	1.086	0.132	41.103	0.194	19.971	-0.579	0.021
MLXIP	0.290	4.284	0.251	7.537	0.037	58.406	-0.605	0.506	-0.386	0.066
MLXIPL	-0.413	29.668	-0.200	4.122	0.196	41.103	0.430	7.099	0.884	0.021
MMD	-0.096	54.701	0.491	0.180	0.045	56.823	0.218	0.353	-0.206	11.001

Gene										
MMP15	0.414	0.324	0.274	2.300					-0.184	35.531
MMP2	0.223	0.529	0.271	2.773	0.053	54.331	-0.462	1.210	0.788	0.021
MMP9	-0.217	9.997	0.255	5.829	-0.112	56.823	1.018	0.061	-1.073	0.021
MOBP	-0.312	44.812	-0.541	0.669	-0.352	0.856	-0.698	41.825	0.442	31.624
MOGAT1	-0.096	37.036	-1.311	0.354	0.046	54.331			-0.424	0.269
MORC3	0.132	37.036	0.750	1.457	0.020	58.928	-0.103	47.420	-0.481	0.021
MPDZ			-0.574	2.773	-0.109	12.575	-0.877	2.913	1.183	0.021
MPEG1	-0.485	0.052	-0.230	0.514	-0.282	41.103	0.285	11.241	0.752	0.021
MPHOSPH9	-0.153	12.647	0.727	0.107	-0.049	56.823	-0.474	0.130	-0.754	0.021
MPP1	-0.559	0.093	0.177	1.534	-0.352	4.733	-0.154	52.656	-0.403	0.045
MPP7	-0.283	25.771	-0.789	5.829	-0.034	59.432	-0.221	49.358	-0.871	0.084
MR1	-0.584	4.284	-0.273	1.086	-0.343	17.386	-0.111	41.825	0.826	0.021
MRC2	-0.216	49.540	-0.115	5.829			0.320	16.936	0.705	0.021
MRGPRF	-0.124	29.668	-0.533	2.300	0.212	4.053	0.079	50.493	0.992	0.021
MRI1	0.183	1.431	0.099	0.784	0.025	60.505	0.409	0.061	0.235	0.649
MRPL15	0.200	0.529	0.581	1.086	-0.257	6.932	0.538	0.292	-0.837	0.021
MRPS2	-0.162	7.743	-0.474	2.773	0.017	58.611	-0.196	5.543	-0.471	0.084
MSH3	-0.471	0.511	0.624	0.595	-0.187	20.025	0.694	16.936	-0.760	0.021
MSI2	-0.293	1.936	0.366	1.457	-0.429	0.092	-0.513	19.971	0.338	0.649
MSN	-0.286	0.666	0.377	1.663	0.231	1.309	0.131	41.825	0.864	0.021
MT1E					0.117	49.127			0.772	0.269
MT1F	0.269	0.171	0.259	5.829	0.263	0.402	-0.039	54.403	0.657	0.084
MTA1	0.428	0.324	0.323	0.595	0.082	49.127			0.090	37.824
MTA2	0.146	29.668	-0.390	0.428	-0.039	58.611	-0.109	41.825	0.170	24.398
MTDH	-0.158	49.540	0.512	0.595	-0.227	2.659	0.470	0.947	-0.075	31.624
MTHFSD	0.041	49.540	-0.587	2.773	0.025	58.074			-0.366	0.166
MTM1	-0.425	0.780	-0.309	0.784	0.288	33.124	-1.283	0.121	-0.478	24.398
MTMR10	-0.374	0.398	0.305	1.457	0.156	36.892	-0.531	16.936	0.332	35.531
MTMR11	0.032	52.827	0.409	0.514	-0.163	36.892	0.250	27.828	0.630	0.021
MTMR12	0.042	49.540	0.210	5.829	-0.064	55.771	-0.276	0.573	-0.623	0.021
MTPN	-0.145	29.668	-0.603	0.514	0.211	4.053	0.137	47.420	-0.388	0.119
MTRR	-0.342	3.157	-0.459	2.300	0.042	58.074	-0.687	13.893	0.836	0.119
MTSS1	-0.432	2.450	0.556	0.174	-0.452	0.092	-0.206	41.825	-0.826	0.269
MTSS1L	-0.307	1.431			0.159	14.770	-0.497	4.906	0.442	0.021
MTUS1	0.514	1.431	0.477	0.445	0.050	49.127	0.295	3.866	0.589	0.119
MUC1	-0.041	51.013	-0.465	0.009	0.016	59.432	0.058	41.825	0.021	44.052
MUTYH	0.233	1.098	-0.721	0.784	0.268	4.053	0.244	27.828	0.429	0.021
MX1	-0.383	0.529	0.143	11.093	0.181	54.331	-0.077	47.420	1.012	0.021
MXD3	-0.236	2.450	-0.167	4.122	-0.369	0.517	-0.615	0.506	-0.492	0.891
MXRA8	-0.135	52.827	0.373	0.264			1.017	0.061	0.323	11.001
MYB	0.060	44.812	-0.420	0.534	-0.310	49.127	-0.518	0.332	0.159	24.398
MYBPC3	0.278	0.324	0.521	0.595	0.052	55.771	-0.431	0.061	-0.084	31.624
MYCN	-0.138	51.013	0.880	1.534	0.208	9.255			-0.475	0.021
MYF6	-0.084	37.036	-0.213	5.829	0.059	41.103	0.451	0.915	0.008	44.315
MYH2	-0.404	0.052	-0.163	4.122	0.343	49.127	0.037	49.358	0.067	37.824
MYH3	0.351	0.052	0.806	0.264	0.294	0.724	-0.083	54.403	-0.276	33.879
MYH6	0.407	0.052	0.394	2.773	0.602	0.092	0.122	32.497	0.083	44.203
MYL12B	0.042	52.218	0.395	0.514	-0.036	58.611	0.032	51.354	0.441	0.307
MYL6B	-0.422	0.126	-0.313	5.829	-0.076	54.331	-0.168	41.825	-0.243	11.001
Myl9			0.258	2.300	0.271	4.733	0.143	2.415	0.582	0.021
MYO1B	-0.318	0.930	0.876	0.986	-0.371	0.440	-0.456	0.399	-1.217	0.021
MYO1F			-0.155	0.784	0.583	0.440			1.046	0.021
MYO3B	0.422	0.170	-0.266	5.829	-0.092	54.331	-0.565	11.241	-0.051	37.824
MYO5A	0.129	29.668	0.473	1.663	0.245	0.724	0.191	11.241	-0.723	0.021
MYO6	0.230	4.284	0.211	0.944	-0.222	6.932	0.481	0.399	0.279	0.471
MYO9A	0.329	4.284	0.499	0.893	0.036	54.331	0.146	47.420	-0.290	6.001
MYOD1	-0.202	0.666	-0.498	0.784	-0.114	41.103	-0.089	51.354	0.007	44.315
MYOM1	-0.635	0.052	0.169	0.514	0.441	0.641	1.133	0.250	-0.302	6.001
MYOM2	0.287		0.396	0.669	-0.325	29.328	0.621	0.987	-0.057	58.421
MYSM1	-0.834	0.052	0.404	0.944	-0.206	14.770	0.832	0.292	-0.905	0.021
NAA30	0.528	0.052	0.744	0.569	0.235	0.240	0.032	55.172	-0.215	0.891
NAB2	0.329	0.398	-0.342	7.537	0.091	54.331	-0.062	52.124	0.520	0.119
NANS	-0.393	25.771	-0.666	3.205	0.128	14.770	0.483	0.061	0.153	38.751
NAP1L3	-0.086	33.231	0.436	5.829	-0.058	55.771	-0.225	0.947	-0.524	0.021
NAPA	-0.058	51.013	-0.417	0.204	0.073	49.127	0.425	7.099	0.607	0.021
NAPG	0.168	18.587	0.477	1.029	0.172	12.575			-0.734	0.045
NAPRT1	-0.110	44.812	-0.329	2.859	0.110	17.386	-0.091	49.358	0.577	0.213
NAT	0.409	1.431	-0.254	2.123	-0.392	29.328	-1.011	0.061	-1.094	0.021

Nav2	-0.061	51.013	0.563	1.289	0.161	41.103	-0.153	27.828	-0.434	0.993
NAV3	-0.268	0.398	-0.373	0.514	-0.531	0.092	-1.094	0.727	-0.466	0.084
NBEAL1	-0.103	51.013	-0.804	0.354	-0.347	6.932	0.134	8.987	0.275	31.624
NCALD	-0.273	15.278	-0.491	3.009	-0.358	10.694	-0.094	54.403	-0.622	0.993
NCAM1	-0.199	5.928	0.770	1.086	-0.232	12.575	-0.432	0.353	-0.390	0.045
NCAPH2	0.204	5.928	0.409	0.669	-0.044	54.331	0.198	0.506	-0.501	0.993
NCF2	-0.191	5.928	0.391	0.877	0.082	49.127	0.231	0.855	1.228	0.021
NCF4	0.194	25.771	-0.118	5.829	0.149	6.932	0.155	1.617	1.235	0.021
NCK1	-0.238	37.036	0.507	0.514	0.054	58.406	0.089	32.497	-1.172	0.021
NCKAP1L	-0.216	44.812	-0.236	2.773	0.078	54.331	-0.150	41.825	0.911	0.021
Ncl	-0.183	1.936	0.587	1.457	-0.057	57.395	0.237	5.543	0.435	0.021
NCOA3	0.119	37.036	-0.455	3.009	0.212	41.103	0.476	0.061	0.060	39.468
NCOR1	-0.149	4.284	0.729	1.534	-0.261	2.659	0.236	19.971	-0.653	0.021
NDOR1	0.288	0.529	0.451	0.514	0.050	57.395	-0.221	16.936	-0.669	0.021
NDRG2			0.558	0.180			0.063	47.420	0.141	38.751
NDRG3	0.176	5.928	0.338	2.300	-0.183	22.899	-0.050	49.358	-0.563	0.119
NDST1	0.113	44.812	0.675	0.986	-0.240	49.127	0.270	4.906	-0.206	24.398
NDST3	-0.381	0.052	-0.053	11.093	-0.235	1.309	0.137	51.354	-0.025	40.660
NDUFAB1	-0.029	57.109	0.480	2.300	-0.109	36.892	-0.482	1.332	-0.400	0.993
NDUFAF4	0.063	44.812	0.482	0.669	0.034	57.395	0.237	0.573	0.044	43.745
NECAB2	-0.433	0.052	-0.080	10.404	-0.356	29.328	0.302	0.506	-0.278	31.624
NEDD4L	0.373	0.052	0.627	0.669	-0.152	36.892	0.205	7.099	-1.209	0.021
NEDD9	0.390	0.170	0.690	0.569	0.209	3.475	0.486	5.543	0.710	0.166
NEFL	0.054	51.013	0.135	13.299	-0.161	26.120	-0.085	19.971	-0.430	0.021
NEFM	0.263	33.231	0.626	11.780	-0.049	58.406	-0.021	47.420	-0.676	0.021
NEK1	-0.583	0.052	0.665	0.514	-0.900	0.092	0.341	23.450	-0.355	0.066
NEK4	-0.173	1.098	-0.731	0.107	-0.277	1.556	0.121	32.497	-0.087	33.879
NES	-0.178	0.324	-0.671	2.773	0.448	0.402	-0.154	32.497	0.328	11.001
NETO1	-0.368	0.052	-0.249	2.773	-0.421	3.475	-0.354	1.617	-0.233	1.193
NETO2	0.245	0.171	0.301	6.703	0.063	41.103	0.441	0.061	0.057	38.751
NEU2	-0.225	21.797	-0.297	4.122	0.345	9.255	-0.409	0.061	-0.072	31.624
NEUROD6	0.241	0.398	0.151	11.783	-0.162	26.120	0.045	47.420	-0.381	0.391
NFASC	0.164	44.812	-0.237	2.614	0.017	59.793	-0.455	0.061	0.057	42.554
NFATC2	0.154	37.036	-0.279	3.205	-0.487	49.127	0.111	23.450	-0.578	0.021
NFATC3	-0.508	0.324	0.467	0.107	-0.473	0.092	-0.332	0.109	-0.723	0.021
NFE2L2	-0.270	9.997	0.592	1.457	0.130	26.120	0.257	32.497	0.574	0.129
NFIA	-0.181	12.647	0.079	8.881	-0.180	2.311	0.060	52.124	0.444	0.746
NFIC	0.052	53.690	-0.178	4.122	0.171	49.127	0.120	11.241	0.474	0.021
NFIL3	0.195	37.036	0.390	1.086	0.517	0.641	-0.177	27.828	0.486	0.021
NFKB2	0.268	15.278	0.585	0.514	0.104	49.127	-0.423	19.971	-0.542	0.993
NFS1	0.712	0.052	0.581	0.514	0.266	49.127	0.333	0.947	-0.261	14.822
NFU1	0.265	1.936	0.620	0.784	-0.061	55.771	-0.127	16.936	-0.275	1.977
NHLH1	0.095	52.218	0.309	0.514	0.462	0.724	0.185	47.420	0.901	0.021
NIPA1	0.102	44.812	-0.437	2.859	-0.147	9.255	-0.175	16.936	-0.754	0.021
NKAIN2	-0.397	3.157	0.222	4.122	0.459	0.092	-0.716	5.543	-0.260	2.886
NKX6-2	0.017	54.154	0.188	6.703	-0.230	0.281			0.539	0.993
NLRP10	0.057	44.812	0.298	5.829	0.326	2.659	-0.828	0.061	-0.281	14.822
NME7	0.035	51.013	0.600	1.457	-0.072	54.331	0.296	8.987	-0.436	0.021
NMI	0.199	33.231	0.306	5.829	0.360	14.770	-0.133	53.829	-0.683	0.021
NNAT	-0.281	4.284	0.161	8.881	0.071	55.771	0.043	51.354	0.400	0.021
NOL6	-0.230	9.997	0.409	5.829	-0.218	3.475	-0.488	41.825	-0.532	0.021
NOP56	-0.201	4.284	0.303	5.829	-0.162	14.770	0.148	32.497	0.356	0.021
NOTCH3	0.085	44.812	-0.237	4.122	0.111	22.899	0.261	3.866	0.540	0.021
NOTCH4	0.012		0.472	1.663	0.481	0.092	0.784	0.855	0.480	0.062
NOV	-0.265	1.098	0.999	0.569	0.549	0.092	0.176	2.415	0.263	41.258
NOXO1	0.193	29.668			-0.124	41.103	-0.593	0.866	0.331	11.001
NPAS1	0.084	49.540	0.498	0.230	0.359	0.693	-0.025	52.656	0.307	11.001
NPAS4	0.092	49.540	0.403	0.986	0.344	14.770	0.076	50.493	-0.486	0.269
NPB	0.246	9.997	-0.647	0.514	0.240	0.440	0.186	2.913	0.835	0.066
NPC2	0.147	1.431	0.360	0.514			0.160	47.420	0.454	0.045
NPHP3	-0.479	0.262	0.596	1.457	0.297	33.124	0.714	0.399	0.693	0.066
NPPC	0.128	15.278			-0.220	10.694	-0.173	1.617	-0.598	0.746
NPR2	0.332	1.431	-0.318	4.122	0.147	20.025	-0.443	0.341	0.693	0.021
NPRL3	0.136	18.587	0.192	0.514	0.048	54.331	0.298	0.109	-0.444	0.471
NPY2R			1.000	0.354			-0.431	3.866	-0.299	11.001
NPY5R	0.098	44.812	0.685	2.614	0.090	36.892	0.258	13.893	-0.547	0.993
NR2C1	-0.091	52.218	0.496	2.300	0.481	0.402	-0.824	0.121	0.200	8.002
NR2E1	0.023	55.170	0.628	0.602	-0.050	59.793	0.081	52.656	0.512	0.021

NR2F2	-0.360	0.052	-0.338	3.009	0.090	41.103	0.114	32.497	0.333	14.822
NR4A1	0.587	0.171	0.420	3.205	0.051	55.771	-0.249	7.099	0.124	44.052
NR4A2	-0.061	55.559	-0.386	5.829	-0.071	57.395	-0.100	23.450	-0.460	0.391
NRARP	0.039	49.540	-0.437	0.445	-0.226	2.659	0.763	0.292	-0.644	0.891
NRAS	0.116	37.036	0.268	0.514	0.121	8.121	-0.365	0.130	-0.302	0.213
NRCAM	-0.732	0.171	0.845	0.595	-0.099	29.328	0.044	47.420	1.065	0.084
NRG1	-0.459	0.052	-0.250	3.205	0.582	0.517	0.104	41.825	0.346	8.002
NRIP1	-0.182	37.036	-0.543	0.784	-0.355	0.402	-0.291	23.450	0.642	24.398
NRP1	-0.482	0.171	0.499	2.300	-0.480	0.092	0.501	0.250	-0.502	0.021
NRXN1	-0.311	0.052	-0.504	0.107	0.596	2.659	0.272	41.825	-0.421	0.746
NRXN3	0.706	0.052	0.638	0.877	-0.295	0.402	-0.563	27.828	-0.628	0.471
NSBP1	0.195	49.540	0.637	1.457	-0.080	41.103	-0.124	50.493	-0.473	0.021
NSDHL	0.262	0.324	0.360	4.122	-0.098	41.103	0.190	47.420	-0.791	0.021
NSUN6	0.117	7.743	0.550	0.514	-0.057	54.331	-0.179	49.358	-0.437	0.119
NT5C2	-0.190	0.398	-0.531	2.300	0.178	2.056	-0.147	13.893	-0.201	8.002
NTF3	-0.391	1.098	-0.202	2.859	-0.452	33.124	0.313	32.497	-0.476	24.398
NTM	0.205	0.262	0.453	0.180	0.256	2.056	0.110	41.825	-0.088	33.879
NTNG1	-0.585	0.052	-0.627	0.784	-0.235	6.932	0.277	0.855	-0.375	0.471
NTRK2	-0.092	44.812	0.425	4.122	0.182	8.121	0.078	47.420	0.609	0.021
NTRK3	0.077	44.812	0.088	5.829	0.080	36.892	0.031	50.493	-0.408	0.039
NUAK1	-0.550	0.052	-0.119	6.703	-0.652	2.659	-0.274	0.061	0.009	44.052
NUAK2	-0.550	0.052	-0.119	6.703	-0.652	2.659	-0.274	0.061	0.212	31.624
NUCKS1	-0.070	49.540	0.436	0.569	-0.070	55.771	-0.040	51.354	-0.454	0.045
NUDCD1	0.466	0.171	0.354	5.829	0.047	54.331	0.270	27.828	-0.249	14.822
NUFIP2	-0.141	49.540	-0.617	0.514	-0.278	36.892	-0.273	0.573	-0.216	0.649
NUMB	0.191	21.797	0.481	0.514	0.295	2.659	-0.108	41.825	-0.820	0.021
NUP155	-0.469	0.052	-0.763	0.107	-0.152	10.694	-0.338	5.543	-0.606	0.213
NUP160	0.235	25.771	0.566	1.772	-0.329	0.659	0.100	54.831	-0.459	0.021
NUP205	-0.899	0.052	-0.522	4.122	0.449	0.856	0.200	1.617	0.132	33.879
NUPR1	0.184	49.540	0.636	0.300	0.406	3.068	-0.270	41.825	0.777	0.021
NVL	-0.529	0.052	0.369	5.829	-0.615	0.240	-0.339	32.497	1.125	0.021
NXN	0.131	37.036	0.178	1.663	0.326	0.440	-0.538	0.130	0.458	0.471
NXNL2	0.221	21.797	0.668	0.420	0.320	14.770			0.385	33.879
OAS1	0.475	0.052	0.086	12.522	0.609	0.092	0.680	2.415	0.716	0.021
Oas2			-0.086	11.093					1.140	0.021
OBFC2A	-0.138	4.284	0.223	2.300	-0.162	10.694	0.141	19.971	-0.422	0.119
OCRL	-0.136	55.170	0.475	0.107	-0.189	29.328	0.319	32.497	-0.765	0.119
ODF2L	0.156	9.997	0.754	0.784	-0.044	60.231	0.176	47.420	-0.221	24.398
ODZ3	0.430	15.278	-0.640	0.514	-0.375	2.659	-0.180	49.358	0.479	0.021
OGG1	0.207	25.771	-0.401	6.703	-0.091	54.331	0.399	8.987	0.554	0.021
OGN	-0.411	29.668	0.320	9.629	0.765	0.092	0.649	2.415	-0.406	24.398
OLFML2B	0.072	44.812	0.196	12.522	-0.162	56.823	-0.084	49.358	-0.523	0.391
OLFML3	0.073	37.036	-0.114	4.122	0.131	36.892	0.123	41.825	0.598	0.021
OPLAH	-0.558	0.052	0.230	8.881	0.200	9.255	0.605	1.617	0.426	31.624
OPN4			0.086	5.829					-0.474	0.891
OPRM1	0.023	52.827	-0.567	0.514	-0.109	54.331	-0.101	49.358	-0.226	8.002
ORC4	0.289	3.157	0.512	0.484	0.036	54.331	0.066	41.825	-0.359	0.391
OSBPL11	0.214	0.780	0.869	0.986	0.109	20.025	-0.054	47.420	-0.083	31.624
OSBPL3	0.350	4.284	0.311	5.829	0.272	4.053	-0.199	0.727	-0.954	0.021
OSMR	0.193	15.278			0.311	0.724	0.408	5.543	1.362	0.021
OTOF	-0.327	33.231	0.261	1.663	0.508	0.453	0.072	47.420	0.042	43.175
OTOR	-0.330	0.171	0.082	10.404	0.079	26.120	-0.115	41.825	-0.442	0.977
OTOS	-0.063	49.540	-0.244	2.614	-0.380	0.821	-0.100	13.893	0.106	43.008
OTUB1	-0.286	51.013	0.223	8.881	0.066	49.127	-0.429	0.061	-0.450	0.119
OXR1	0.187	33.231	0.471	0.107	-0.145	14.770	-0.255	11.241	-0.401	0.119
P2RX7	0.247	5.928			0.155	33.124	0.155	41.825	0.455	0.193
P2RY1	0.128	25.771	0.277	5.829	0.443	2.056	0.559	5.543	0.461	0.391
P2RY13	-0.139	25.771	0.212	9.629	0.064	33.124	0.442	2.415	0.662	0.021
P2RY2	-0.613	0.052	-0.710	0.484	-0.295	10.694	-0.473	0.353	0.104	42.212
P2RY6	0.307	0.052	0.248	0.784	-0.530	0.440	-0.168	53.829	0.406	0.993
PACSIN3	0.662	0.170	-0.769	1.772	0.163	10.694	0.036	54.831	0.448	0.391
PADI2	-0.245	4.284			0.172	3.068	0.196	0.855	0.839	0.021
PADI4	-0.406	3.157	-0.190	4.122	-0.171	56.823	-0.437	27.828	0.583	0.418
PAG1	0.027	56.874	-1.437	0.107	-0.289	1.098	-0.609	19.971	-0.519	24.398
PAK2	0.054	49.540	0.233	5.829	-0.069	41.103	-0.472	0.061	-0.429	0.021
PAK3	0.100	37.036	-0.710	0.204	-0.320	0.281	-0.134	47.420	-0.222	0.649
PAK4	0.052	44.812			0.095	36.892	-0.124	49.358	0.536	0.021
PAM	-0.305	0.170	-0.545	0.669	-0.239	12.575	-0.079	52.124	-0.476	0.066

PANK1	-0.068	49.540	0.402	2.300	0.230	2.311	-0.261	2.415	-0.622	0.391
PANK2	0.066	44.812	0.539	0.944	0.026	56.823	0.070	47.420	-0.387	0.021
PANK3	-0.139	51.013	0.700	3.205	-0.134	33.124	-0.158	41.825	-0.727	0.021
PAOX	0.049	44.812	-0.492	0.784	-0.106	36.892	0.244	8.987	0.485	0.269
PARD3	-0.096	44.812	0.570	0.602	0.229	0.856	-0.635	4.906	-0.166	24.398
PARD6G	0.275	15.278	0.558	1.457	0.236	1.819	0.032	52.656	-0.439	0.084
PARP14	0.236	18.587	0.228	8.253			0.436	5.543	1.411	0.021
PARP3	0.049	49.540	0.207	4.122	0.577	0.092	0.084	51.354	0.284	33.879
PARP9	-0.381	37.036			-0.142	5.705	0.334	32.497	0.492	0.021
PARVG	0.239	0.171	-0.162	4.122	0.357	10.694	-0.159	47.420	0.557	0.891
PAX6	-0.431	25.771	0.331	1.457	0.665	3.475	0.470	1.210	0.993	0.045
PBX1	-0.477	0.171	0.818	0.595	-0.411	2.659	-0.734	0.061	-0.463	0.649
PBX3	-0.130	49.540	0.383	1.086	0.312	4.053	0.171	3.866	-0.663	0.993
PBXIP1	-0.157	44.812	-0.345	0.784	0.159	29.328	-0.117	7.099	0.527	0.084
PCBP1	0.040	52.218	-0.581	2.773	0.057	56.823	-0.082	32.497	0.529	0.471
PCBP2	0.196	1.098	0.403	0.514	0.050	54.331	0.217	19.971	0.433	0.021
PCDH1	-0.061	51.013	-0.405	0.986			-0.053	50.493	0.007	44.315
PCDH17	-0.768	0.666	0.301	1.663	-0.750	0.092	-0.605	1.210	0.198	40.660
PCDH9	-0.608	0.052	0.545	5.829	-1.195	0.724	0.128	47.420	0.497	24.398
Pcdhb12	0.029	57.109	-0.866	2.859	-0.089	54.331	0.542	0.061	0.165	11.001
PCGF5	0.077	49.540	0.669	0.514	0.132	49.127	0.086	16.936	0.496	0.119
PCM1	-0.547	0.170	0.495	3.205	-0.466	0.402	-0.218	0.399	0.497	0.021
PCP4	-1.036	0.052	-0.212	0.514	-0.663	5.705	0.467	0.250	-0.318	33.879
PCSK1	0.730	52.218	0.907	2.614	0.178	3.475	0.696	32.497	0.771	0.977
PCYT1B	0.411	29.668	-0.460	4.122	-0.135	36.892	0.185	27.828	-0.509	0.045
PDCD1									1.200	0.021
PDCD11	0.467	0.052	0.460	2.773	0.569	0.092	0.629	32.497	0.529	1.193
PDE10A	-0.282	15.278	-0.560	1.086	0.229	41.103	-0.366	0.727	0.488	24.398
PDE12	0.396	0.170	0.589	0.514			-0.134	47.420	0.073	43.867
PDE1A	-0.124	37.036	0.462	4.122	-0.145	33.124	-0.110	13.893	-0.434	0.021
PDE2A	-0.089	49.540	-0.428	0.595	-0.231	0.517	-0.078	49.358	-0.067	36.831
PDE4A	0.090	49.540	0.354	0.514	-0.217	0.659	0.136	51.354	-0.502	0.119
PDE4DIP	-0.865	0.511	0.767	0.877	-0.203	20.025	-0.491	47.420	0.246	0.391
PDE6G	-0.080	21.797	-0.581	2.773			-0.061	41.825	0.472	0.891
PDE6H	0.081	55.559	-0.357	4.122	-0.687	0.092	-0.389	2.415	-0.061	31.624
PDEFD			-0.476	0.784					0.691	0.021
PDGFC	-0.702	0.052	0.698	1.029	0.314	4.053	0.710	0.250	-0.873	0.993
PDGFRA	0.087	44.812	0.635	0.595	0.092	36.892	-0.075	52.656	0.263	33.879
PDHA1	0.028	55.170	0.444	0.514	-0.258	0.641	-0.062	47.420	-0.518	0.021
PDIA5	0.149	2.450	0.397	0.180	0.049	54.331	-0.089	47.420	-0.234	31.624
PDlim1	-0.248	0.171	0.203	1.772	0.247	20.025	0.117	47.420	0.420	0.021
PDLIM2	0.156	0.930	0.291	0.986	-0.063	54.331	-0.079	52.656	0.621	0.891
PDLIM4	-0.108	25.771	-0.383	3.205	0.193	41.103	0.404	0.130	1.217	0.021
PDP1	0.137	37.036	0.360	2.300	0.279	0.281	0.289	5.543	-0.540	0.649
PDSS1	0.251	7.743	0.356	7.537			0.342	1.210	-0.856	0.021
PDXK	-0.426	3.157	-0.951	0.107	-0.677	0.092	0.293	41.825	0.450	0.066
PDYN	-0.181	44.812	-0.223	7.537	0.367	5.705	0.107	41.825	0.503	0.021
PDZD2	-0.953	0.052	0.344	1.772	0.898	0.092	-0.639	5.543	-0.217	6.001
PDZD3	0.175	1.431	0.232	2.123	0.209	41.103	-0.311	19.971	-0.922	0.021
PEBP1	0.995	0.052	0.181	8.253	-0.055	54.331	-0.429	41.825	0.232	37.824
PELI1	0.367	0.529	-0.366	2.773	-0.468	0.402	-1.048	0.061	-0.442	0.119
PELI2	0.434	0.052	0.853	0.569	-0.311	9.255	0.314	19.971	0.699	0.021
PELP1	0.094	49.540	0.490	0.107	0.798	0.092	-0.873	0.727	0.201	1.193
PEMT	0.271	44.812			0.214	14.770	-0.927	0.061	0.547	0.021
PENK	-0.402	0.262	0.608	0.180	0.549	0.517	-0.197	51.354	0.674	0.649
PER1	0.326	0.324	0.188	7.537	0.173	1.309	-0.418	0.061	-0.266	11.001
PER2	0.185	3.157	0.812	0.569	0.010	60.505	-0.098	11.241	-0.223	31.624
PERP	-0.142	5.928	0.468	1.086	-0.056	56.823	0.534	0.130	0.249	11.001
PES1	-0.173	25.771			-0.104	58.074	0.469	32.497	1.060	0.021
PEX1	-0.795	0.171	0.830	0.877	0.149	49.127	0.653	0.061	-0.606	14.822
PEX13	0.307	12.647	0.670	0.595	0.141	33.124	-0.105	52.656	-0.563	0.084
PEX14	0.214	21.797	-0.512	2.859	0.088	49.127	0.061	47.420	0.627	0.269
PEX5L	0.050	49.540	-0.412	0.944	0.073	49.127	0.077	32.497	0.138	38.751
PFDN2	-0.075	53.690	0.544	0.264	0.051	54.331	0.075	47.420	0.081	36.831
PFKFB3	0.016	56.874	-0.475	0.784	0.313	0.092	0.032	50.493	0.260	0.269
PFKFB4	-0.094	44.812	-0.144	2.614	0.026	57.395	-0.095	50.493	0.496	0.021
PGCP	-0.484	9.997	0.562	0.514	-0.140	41.103	0.139	41.825	0.489	0.891
PGD	0.106	44.812	0.320	0.595	-0.067	49.127	0.460	0.061	-0.206	24.398

PGDS									0.785	0.045
PGM2L1	-0.198	1.431	0.435	5.829	0.443	0.092	-0.688	19.971	-1.277	0.021
PGM3	0.068	37.036	-0.182	0.514	0.046	49.127	-0.426	0.061	0.451	0.213
PGM5	0.032	51.013	-0.266	3.205	0.325	1.819	0.250	19.971	0.541	0.066
PGM5	-0.324	1.936	-0.266	3.205	0.325	1.819	0.250	19.971	0.541	0.066
PGRMC2	0.271	0.171	0.502	0.107	0.048	54.331	0.183	7.099	-0.196	1.193
PHACTR1	0.180	37.036	0.401	0.204	-0.212	49.127	0.754	0.061	-0.509	0.993
PHC3	-0.132	33.231	0.359	5.829	0.045	49.127	-0.077	52.124	-0.464	0.021
PHF14	0.333	15.278	0.578	0.784	0.069	41.103	0.058	53.272	-0.417	0.084
PHF20L1	0.280	25.771	0.541	0.514	-0.145	54.331	-0.123	32.497	-0.632	0.021
PHF21A	-0.050	56.765	0.533	5.829	-0.188	54.331	-0.109	52.656	-0.409	0.045
PHKA1	0.178	33.231	0.081	10.404			0.919	0.573	0.509	0.993
PHKA2	-0.207	0.666	-0.549	0.300	-0.129	49.127	-0.394	41.825	0.619	0.471
PHTF2	0.013	56.765	-0.212	4.122	0.062	54.331	0.117	32.497	0.642	0.471
PHYHD1			-0.243	2.300	0.032	58.406	0.125	47.420	0.835	0.021
PIAS1	0.159	18.587	0.542	1.289	0.115	54.331	-0.317	0.855	-0.437	0.307
PIGG	-0.309	0.262	-0.648	0.784	0.194	14.770	-0.276	47.420	0.459	0.269
PIGh	-0.178	1.936	0.259	8.881	-0.272	20.025	-0.256	1.210	-0.799	0.021
PIK3C2G	-0.147	9.997	-0.673	2.773	0.378	14.770	-0.438	23.450	-0.399	0.213
PIK3CD	0.053	44.812	-0.618	3.009	0.125	9.255	0.155	41.825	0.451	0.021
PIK3IP1	0.137	49.540	0.416	0.514	0.224	9.255	0.163	49.358	0.437	0.021
PIK3R1	-0.158	9.997	0.546	1.086	0.482	22.899	-0.686	0.061	0.528	0.649
PIKFYVE			0.468	0.944	0.027	58.611	0.276	0.573	-0.313	11.001
PIN1	0.115	44.812	0.160	9.629	0.152	4.053	-0.153	16.936	-0.449	0.471
PIP5K3	0.033	49.540	-0.444	0.445	-0.233	0.399	0.039	55.771	0.100	33.879
PITPNC1	-0.335	0.052	0.366	2.859	-0.244	29.328	-0.492	5.543	-0.519	0.021
PKD2L2	0.087	44.812	-0.253	6.703	-0.052	54.331	0.068	47.420	0.477	0.649
PKIB	-0.296	0.930	0.522	0.784	-0.464	1.098	0.326	2.913	-0.779	0.119
PKM2	-0.178	55.870	0.137	4.122	-0.607	0.092	-1.365	0.061	0.185	14.822
PKN2	-0.163	3.157	0.600	1.772	-0.188	10.694	-0.491	7.099	0.682	0.021
PKP3	0.043	52.827	-0.073	10.404	0.165	54.331	0.056	49.358	0.540	0.021
PLA2G16	-0.071	56.874	-0.144	8.253	0.486	0.240	0.174	13.893	0.877	0.021
PLA2G2F	0.008	56.513	-0.480	0.829					-0.067	33.879
PLA2G4C	0.091		-0.382	0.669	0.045	49.127	0.073	41.825	0.231	14.822
PLA2G5	-0.160	54.701	0.237	5.829	0.499	0.240	-0.189	47.420	0.506	0.039
PLAA	0.453	0.324	0.360	0.784	0.073	55.771	-0.201	0.947	-0.098	24.398
PLAGL1	-0.356	0.052	-0.519	4.122	0.202	8.121	0.193	16.936	0.309	33.879
PLAUR			-0.096	9.629	0.326	1.309	0.392	0.109	0.647	0.021
PLCB1	0.352	0.529	0.414	2.773	-0.531	0.092	-0.241	41.825	-0.632	0.021
PLCb2	0.139	1.936	0.171	9.629	-0.313	20.025	-0.090	41.825	0.989	0.021
PLCE1	0.544	0.780	-0.133	5.829	0.133	12.575	0.761	0.061	1.016	0.021
PLCG1	0.084	53.690	-0.418	0.859	0.611	2.659	0.139	13.893	0.093	33.879
PLCG2	0.172	4.284	-0.276	4.122			0.088	49.358	0.661	0.471
PLCZ1	-0.524	0.052	0.305	5.829	0.354	4.733	0.661	0.061	0.324	24.398
PLD4	0.208	1.936	-0.118	5.829	0.059	54.331	0.171	19.971	0.527	0.129
PLEC	-0.851	0.126	0.538	0.107	0.187	4.053	-1.479	0.061	-0.907	0.066
PLEKHA3	0.006	57.109	-0.061	11.093	0.156	29.328	-0.188	0.353	-0.367	0.084
PLEKHA5	-0.452	0.052	0.493	0.514	0.024	58.406	-0.039	47.420	-0.063	35.531
PLEKHA6	-0.398	0.930	-0.366	0.784	0.473	1.309	-0.166	52.124	-0.142	4.218
PLEKHG3	-0.358	0.262	0.407	0.595	-0.827	0.092	0.433	0.061	0.539	0.166
PLIN1	0.094	44.812	-0.122	6.703	-0.368	33.124	0.112	27.828	-0.481	0.977
PLIN2	-0.162	37.036	0.192	4.122			0.326	1.878	0.684	0.045
PLK3	0.444	0.093	0.098	4.122	0.095	10.694	-0.077	41.825	0.073	40.660
PLOD1	0.057	52.827	-0.254	2.859	-0.173	54.331	0.131	47.420	-0.513	0.166
PLP1	-0.170	1.936	-0.168	4.122	0.123	12.575	-0.190	41.825	0.605	0.021
PLSCR1	-0.893	0.170	0.120	11.783	0.051	59.432	0.238	8.987	0.600	0.021
PLSCR2	-0.941	0.052	0.278	6.703	0.271	0.240			1.096	0.021
PLXDC1	-0.068	55.870	-0.167	2.859	0.125	49.127	0.246	1.617	0.570	0.166
PLXDC2	-0.071	54.154	-0.590	3.205	-0.156	3.475	0.024	55.172	0.657	0.021
PLXNA2	0.106	51.013	-0.087	8.253	0.031	56.823	-0.135	32.497	-0.432	0.061
PLXNB1	0.086	49.540	0.399	0.935	0.206	1.309	-0.233	0.855	0.172	31.624
Pmaip1	-0.382	3.157	-0.410	4.122	0.152	33.124	-0.580	27.828	0.578	0.119
PMCH			-0.378	7.537	-0.227	8.121	0.177	47.420	0.677	0.021
PMS2	-0.259	44.812	0.263	2.123	-0.199	54.331	0.549	0.727	-0.227	11.001
PNMT	0.045	44.812	-0.125	6.703	0.032	55.771	0.454	0.573	-0.089	31.624
PNN			0.389	0.174	-0.125	26.120			-0.367	0.021
PNOC	0.313	1.431	-0.184	8.881	0.043	55.771	-0.544	0.061	0.097	43.008
PNPLA2	0.092	49.540	-0.360	4.122	-0.094	36.892	0.214	4.906	0.665	0.021

POFUT1	0.171	3.157	-0.264	4.122	-0.234	0.659	-0.846	0.061	0.146	42.836
POLE	-0.390	3.157	0.406	0.428	-0.107	49.127	0.635	23.450	0.417	0.993
POLG2	0.312	29.668	0.322	0.602	-0.023	60.505	0.462	0.061	0.342	0.746
POLH	0.042	54.701	-0.647	0.514	0.404	3.475	0.205	13.893	-0.184	2.886
POLI	0.224	3.157	-0.154	4.122	-0.176	17.386	0.513	0.061	0.279	1.977
POLK	0.015	56.874	0.461	4.122	-0.145	17.386	-0.443	0.061	-0.395	0.649
POLL	0.156	15.278	-0.446	2.773	0.177	4.733	-0.219	27.828	-0.423	0.746
POLM	-0.142	3.157	-0.588	0.784	-0.265	0.402	0.133	27.828	0.131	14.822
POLR1E	0.469	0.052	0.475	0.514	0.016	58.406			-0.187	8.002
POLR2A	-0.085	25.771	-0.406	0.893	-0.402	5.705	-0.042	52.656	0.064	40.660
POLR2I	-0.060	54.701	-0.413	0.784	0.175	6.932	0.130	19.971	0.441	0.391
POLR3A	-1.005	0.398	-0.825	0.300	-0.255	2.311	-0.246	0.130	-0.350	14.822
POLR3E	-0.398	0.171	0.395	1.534	0.068	49.127	0.354	41.825	-0.617	0.021
POLR3F	-0.437	0.511	0.558	0.514	0.261	12.575	-0.472	0.177	-0.273	11.001
POLR3H	0.087	33.231	0.261	3.205	0.161	49.127	0.161	47.420	-0.744	0.039
POLR3K	-0.159	44.812	0.573	1.086	0.254	8.121	0.427	41.825	-1.136	0.021
POLRMT			-0.086	11.783	0.052	49.127	0.332	3.866	0.473	0.129
POM121/POM121C	0.150	1.431	0.344	2.123	-0.216	49.127	-0.947	0.109	-0.793	0.021
PON3	0.092	44.812	-0.318	0.514	0.513	0.092	0.540	0.341	0.843	0.021
POPDC2	0.246	1.936	0.171	6.703	-0.251	3.475	-0.250	0.121	-0.543	0.021
PPAPDC1A	-0.307	3.157	-0.392	0.300	-0.295	1.556	-0.087	53.272	-0.109	31.624
PPARG	-0.136	1.431	-0.398	0.805	0.108	29.328	0.099	32.497	0.329	11.001
PPARGC1B	-0.269	37.036	0.489	1.086	-0.502	0.092	0.026	52.656	0.431	0.021
PPFIBP2	0.141	25.771	0.764	0.669	0.592	0.092	-0.457	32.497	0.350	0.166
PPHLN1	-0.284	44.812	0.601	1.212	-0.096	49.127	-0.061	47.420	-0.650	0.021
PPIC	0.011	56.513	0.872	2.300	-0.125	33.124	-0.122	47.420	-0.360	0.021
PPM1D	0.285	0.529	0.210	3.009	-0.133	41.103	-0.302	0.506	-0.390	0.213
PPM1H	0.065	44.812	-0.368	0.267	0.335	4.733	-0.260	4.906	-0.908	0.021
PPM1L	-0.437	0.126			-0.169	17.386	-0.218	41.825	-0.342	0.891
PPP1R12B	0.124	44.812	0.563	0.595	-0.103	55.771	0.124	41.825	-0.175	33.879
PPP1R14A	0.049	52.218	0.282	5.829	0.077	41.103	-0.048	47.420	0.433	0.601
PPP1R15	0.283	29.668	0.376	0.877	0.369	0.092	0.127	54.403	-0.450	0.084
PPP1R3C	0.107	7.743	0.440	0.514	0.105	54.331	0.024	53.272	0.517	0.391
PPP2R1B	0.100	49.540	-0.665	0.180	-0.199	49.127	-0.117	13.893	0.485	0.993
PPP2R2B	-0.244	1.431	0.200	5.829	-0.144	20.025	-0.321	19.971	-0.555	0.021
PPP2R3A	0.067	49.540	-0.495	0.445	-0.698	0.092	-0.419	0.061	-0.062	39.468
PPP3R1	-0.076	44.812	0.756	0.784	-0.073	55.771	-0.284	0.177	0.690	0.119
PPP5C	0.292	9.997	0.548	4.122	0.205	20.025	0.140	47.420	-0.550	0.129
PPP6R1	-0.446	0.126	-0.151	5.829	0.022	55.771	-0.318	47.420	-0.409	0.084
PPTC7	-0.068	51.013	0.216	0.264	-0.124	9.255	0.139	41.825	0.551	0.084
PRCP	0.335	0.780	-0.600	0.829	-0.374	4.053	0.171	19.971	0.596	11.001
PRDM2	0.592	0.170	0.509	0.877	-0.315	10.694	-0.607	41.825	-0.654	0.066
PRDX6	-0.471	1.936	0.531	1.086	-0.135	56.823	-0.117	32.497	0.561	0.129
Prdx6b	0.125	37.036	0.250	4.122	0.031	54.331	0.101	16.936	0.570	0.021
PRELP	-0.283	0.511	-0.375	4.122	0.206	0.641	0.183	11.241	0.555	0.021
PRICKLE1	-0.612	0.052	0.278	1.086	-0.261	14.770	-0.029	52.656	0.537	24.398
PRIM1	0.438	0.052	-0.205	8.253	-0.054	59.432	0.310	1.617	-0.039	39.468
PRIM2	-0.374	44.812	-0.462	0.823	-0.709	9.255	-0.092	13.893	0.256	4.218
PRKAA2	-0.152	1.431			0.146	36.892	0.047	53.829	-0.766	0.021
PRKACB	-0.438	29.668	0.379	3.205	0.168	17.386	-1.250	0.341	-0.373	0.746
PRKAR2A	0.187	5.928	0.168	8.253	0.073	54.331	-0.099	41.825	-0.840	0.021
PRKAR2B	-0.257	2.450	-0.427	0.784	0.314	4.733	0.044	53.272	0.035	43.476
PRKCA	0.131	9.997	0.663	1.772	-0.137	49.127	-0.121	47.420	-0.426	0.039
PRKCD	0.110	49.540	-0.155	5.829	-0.305	49.127	0.608	0.061	0.744	0.213
PRKCDBP	-0.184	44.812	-0.528	0.877	0.026	59.793	0.205	0.573	0.575	0.021
PRKCE	-0.139	52.827	0.635	0.944	-0.195	36.892	-0.356	0.506	-0.387	0.021
PRKCQ	-0.445	12.647	-0.219	3.009	-0.172	2.311	-0.774	0.543	0.332	24.398
PRKD3	-0.219	3.157	-0.426	5.829	0.113	9.255	-0.621	0.061	0.585	0.649
PRKG1	-0.597	0.052	0.558	0.514	0.484	0.092	0.213	1.332	-0.370	1.977
Prl3b1	-0.112	7.743	-0.481	0.669			-0.045	49.358	0.006	44.315
PRMT3	0.137	33.231	0.460	0.514	0.175	3.475	-0.404	0.061	-0.454	0.391
PROCR					0.294	49.127			1.287	0.021
PROP1	-0.047	49.540	-0.398	0.669	0.034	55.771			0.218	44.315
PROS1	-0.385	0.052	-0.381	1.086	-0.151	6.932	0.423	16.936	0.573	0.039
PROSC	0.487	3.157	-0.594	2.614	-0.873	17.386	0.565	0.061	0.803	0.391
PRPF40A	0.213	21.797	0.614	0.484	-0.164	5.705	0.228	7.099	-0.432	0.307
PRPF4B	0.133	49.540	0.659	1.029	0.158	26.120	0.585	0.573	0.576	0.021
PRR13	-0.116	49.540	0.589	0.107	0.119	33.124	-0.031	52.656	0.104	44.052

Gene										
PRR15L	0.102	33.231	-0.409	0.784			-0.062	50.493	0.091	44.315
PRR16	-0.657	0.529			0.046	58.928	-0.527	0.061	-0.977	0.129
PRR5L	-0.745	0.093	0.210	1.086	-0.072	36.892	-0.205	47.420	0.253	36.831
PRRC2C	0.275	0.398	0.341	0.300	0.136	17.386	0.152	52.124	0.719	0.119
PRRX1	-0.451	0.780	-0.666	2.859	-0.675	0.092	-0.549	1.878	0.617	0.649
PRRX2	-0.273	33.231	0.234	0.300	0.062	58.074	0.818	0.061	1.262	0.021
PRTG	-0.194	4.284	0.318	0.534	0.476	0.092	0.261	47.420	0.233	1.977
PSCD4	-0.100	57.293	-0.401	3.009	0.059	49.127	0.632	0.292	0.935	0.021
PSD3	-0.278	7.743	-0.498	0.784	-0.203	17.386	-0.544	1.210	-0.510	0.993
PSMA6	0.097	51.013	0.644	0.180	-0.080	29.328	0.056	50.493	-0.169	6.001
PSMA8	-0.084	37.036			0.763	0.092	0.349	13.893	-0.125	36.831
PSMB11	0.105	15.278			-0.260	10.694	0.227	47.420	-0.488	0.045
PSMB8	0.052	52.218	0.613	1.663	0.110	54.331			0.619	0.021
PSMB9	0.299	0.511	0.285	2.773			-0.150	13.893	0.447	0.119
PSMC3IP	0.199	7.743	0.769	0.457	-0.085	36.892	-0.331	0.855	0.229	36.831
PSMC5	0.123	5.928	0.683	1.029	0.115	22.899	0.314	0.109	0.472	0.213
PSMD7	0.103	37.036	0.654	0.595	-0.089	26.120	0.313	0.399	0.475	0.021
PSME4	0.188	1.098	0.380	0.514	0.093	49.127	-0.079	27.828	-0.358	0.993
PSMF1	0.265	0.171	0.659	0.514	0.126	41.103	-0.351	2.415	1.318	0.021
PSPC1	-0.030	56.513	0.572	1.534	0.081	26.120	-0.068	49.358	-0.525	0.021
PTBP1	-0.064	51.013	0.120	9.629			0.070	47.420	0.486	0.119
PTCHD1	-0.546	0.052	0.084	5.829	0.320	49.127	0.150	50.493	0.142	40.051
PTDSS2	-0.128	25.771	-0.423	0.784	0.100	49.127	-0.071	51.354	-0.359	0.977
PTGDS	-0.541	0.930	-0.092	7.537	0.326		-0.071	55.172	-0.241	44.203
PTGES	0.333	0.930	0.178	0.669	0.140	49.127	0.221	27.828	0.501	0.021
PTGR1	0.109	33.231	0.492	0.445	0.113	22.899	0.084	52.656	0.348	0.021
PTGS2	1.082	0.052	0.483	2.300	0.232	3.068	0.859	0.061	-0.939	0.021
PTH1R	-0.620	0.262	0.199	1.772	0.110	12.575			0.501	0.977
PTHLH	-0.048	57.293	-0.529	1.534	0.147	33.124	-0.257	0.727	-0.424	0.891
PTPLAD2	-0.459	1.431	-0.145	4.122	0.484	3.068	-0.355	16.936	0.895	0.021
PTPN21	-0.701	1.431	0.462	0.204	0.019	60.231			0.198	40.051
PTPN5	0.029	54.154			-0.152	49.127	-0.074	27.828	-0.582	0.129
PTPN6	-0.043	52.218	0.482	3.205	0.278	12.575	0.390	41.825	1.393	0.021
PTPRC	-0.107	52.218	0.186	6.703	0.113	54.331	-0.431	23.450	0.999	0.021
Ptprd	0.244	5.928	0.104	11.093					1.128	0.021
PTPRR	0.080	52.218	0.449	1.534	-0.284	0.092	-0.200	0.727	-0.297	0.166
PUS10	0.118	33.231	0.360	1.086	0.192	0.659	0.064	49.358	-0.376	0.166
PUS3	0.154	7.743	0.455	0.784	-0.136	10.694	0.413	0.506	0.541	0.045
PVRL3	-0.097	56.513	0.610	0.595	-0.108	26.120	-0.830	0.855	-0.727	0.307
PVT1	-0.245	0.171	-0.894	0.230					0.278	24.398
PWP1	-0.060	54.154	-0.400	0.484	0.018	58.406	-0.042	51.354	-0.090	24.398
PXDN	-0.405	0.052	0.303	6.703	0.072	54.331	-0.196	1.878	-0.239	2.886
PYCARD	-0.101	52.218	-0.241	4.122	0.112	49.127	-0.076	53.272	1.009	0.021
QRFPR			-0.475	3.009	0.197	49.127			-0.333	2.886
QRICH1	-0.033	55.559	0.449	1.534	-0.120	49.127	-0.399	19.971	-1.115	0.021
R3HDM1	-0.451	0.262	0.525	5.829	-0.234	2.056	-0.242	41.825	-0.427	0.119
RAB11FIP4	0.392	0.262	0.476	2.300	0.112	12.575	-0.194	1.617	-0.351	0.993
RAB1A	0.193	29.668	0.550	1.772	-0.283	20.025	-0.329	0.292	-0.505	0.021
RAB22A	-1.026	0.052	0.239	0.669	0.336	41.103	-0.297	0.947	0.424	0.021
RAB23	0.130	37.036	-0.469	2.614	-0.123	33.124	-0.502	0.121	0.459	0.649
RAB27A	-0.433	0.052	0.447	2.614	0.327	2.659	1.023	0.061	-0.866	0.021
RAB28	0.146	25.771	0.540	0.986	-0.097	33.124	-0.645	0.061	-0.391	0.471
RAB32	-0.255	44.812	0.110	7.537	0.285	20.025	-0.264	1.210	0.938	0.129
RAB3C	0.342	0.126	0.660	1.534	0.075	49.127	-0.123	49.358	-0.545	0.045
RAB3D	-0.407	0.666	-0.623	2.614	0.068	36.892	-0.080	27.828	0.305	24.398
RAB40B	0.216	4.284	0.749	1.772	0.044	49.127	0.152	47.420	-0.251	0.993
RAB7L1	0.041	55.170	-0.279	4.122	-0.140	14.770	0.336	0.109	0.664	0.021
RABIF	0.169	9.997	0.662	1.534	0.053	54.331			-0.351	0.391
RAC1	0.219	0.171	0.454	0.877	0.016	60.505	-0.133	13.893	0.352	0.021
RAC2	-0.077	51.013	-0.460	1.663	0.015	60.505	0.450	0.855	0.901	0.021
RALGAPA1	-0.134	1.098	0.367	1.289	0.040	54.331	0.502	0.292	-0.270	0.746
RALGPS1	0.115	9.997	0.185	0.514	-0.164	1.819	-0.423	11.241	-0.484	0.213
RALY	-0.246	0.666	-0.700	0.663	0.065	41.103	0.028	55.172	0.230	31.624
RANBP17	-0.090	51.013	-0.167	0.514	0.503	0.856	-0.202	41.825	0.572	0.391
RANBP3	0.114	37.036	0.099	11.783	-0.194	12.575	-0.662	0.061	-0.578	0.993
RAP1GAP2	0.121	18.587	-0.147	6.703	0.134	49.127	-0.401	7.099	0.661	0.129
RAP2B	0.125	44.812	0.475	0.204	-0.137	3.068	0.026	51.354	-0.547	0.039
RAPGEF3	0.037	49.540	0.181	2.859			0.094	49.358	0.512	0.886

Gene										
RAPGEF6	-0.170	44.812	0.491	0.174	-0.465	0.092	-0.159	47.420	-1.090	0.021
RARB	-0.497	0.398	0.501	0.300	-0.099	17.386	-0.142	47.420	-0.201	0.307
RARRES1			-0.218	9.629	-0.296	36.892	-0.763	0.061	0.367	31.624
RARRES2	-0.106	49.540	-0.243	3.205	0.075	54.331	0.111	27.828	0.812	0.021
RASA2	0.274	2.450	-0.893	1.663	-0.109	29.328	-0.139	47.420	-0.628	0.977
RASA4/RASA4B	0.032	51.013	-0.371	3.205	-0.037	56.823	0.439	0.061	0.423	0.084
RASD2	0.550	7.743	0.082	10.404	0.066	36.892	-0.228	41.825	0.495	0.977
RASGEF1B	-0.380	1.098	0.656	0.595	0.523	0.281	0.170	1.617	0.402	0.307
RASGRF2	-0.129	52.218	0.384	0.877	0.314	0.440	-0.219	3.866	-0.763	0.021
RASGRP3	0.011	56.765	0.396	0.986	-0.068	57.395	-0.178	41.825	0.597	0.039
RASIP1	0.199	15.278	0.109	8.253	0.060	49.127	-0.560	0.573	0.176	11.001
RASL12	-0.267	25.771	-0.084	6.703	-0.147	36.892	-0.525	0.906	0.082	42.554
RASSF2	0.206	3.157	-0.481	2.859	-0.308	0.402	-0.301	7.099	0.507	0.977
RB1CC1	-0.347	0.780	0.187	8.253	-0.284	0.517	-0.257	13.893	-0.484	0.391
RBBP4	0.161	44.812	0.554	1.534	-0.201	1.556	-0.230	19.971	0.506	0.746
RBFOX2	-0.198	0.511			0.013	58.928	0.281	32.497	0.496	0.021
RBM8A	-0.148	2.450	0.496	0.986	0.090	54.331	-0.715	0.061	0.440	11.001
RBMS3	0.054	52.827	0.460	0.420	-0.575	0.092	0.321	0.250	0.256	24.398
RBMX	0.150	18.587	0.605	1.772	-0.131	20.025	-0.345	0.109	0.632	0.129
RBP1	-0.322	21.797	0.481	0.514	0.057	56.823	-0.105	16.936	1.153	0.021
RBP4	-0.293	7.743	-0.272	5.829	0.658	0.092	-0.198	32.497	0.390	0.993
RCAN1	0.033	53.690	-0.482	1.212	-0.382	1.309	-0.530	0.177	-0.138	31.624
RCOR1	0.086	44.812	-0.563	0.595	0.258	0.659	0.536	0.061	-0.267	24.398
RCSD1	-0.293	44.812	0.123	10.404			-0.635	1.210	0.706	0.021
RDH10	0.376	0.126	0.684	1.663	0.272	0.402	-0.282	11.241	-0.405	8.002
RDH5	-0.153	49.540	-0.214	6.703	0.160	10.694	-0.160	47.420	0.630	0.391
RECQL	0.098	29.668	0.731	0.784			0.639	0.727	-0.230	1.193
RELN	-0.159	3.157	0.566	0.829	0.348	2.311	0.148	13.893	0.173	40.660
REN	0.409	0.171	-0.219	3.205	0.455	26.120	-0.563	4.906	-0.191	31.624
RENBP	0.173	1.936			0.234	0.641	0.160	27.828	0.843	0.021
REST	-0.148	29.668	0.335	0.784	0.472	0.659	0.340	0.727	0.175	33.879
RETSAT	0.197	25.771	0.297	0.784	-0.055	58.611	-0.425	0.061	0.709	0.021
REV3L	-0.431	0.171	-0.276	0.514	-0.078	26.120	-0.570	7.099	-0.456	0.166
RFFL	0.142	37.036	0.635	0.204	1.194	0.092	0.435	27.828	0.417	0.269
RFX3	-0.737	0.052	0.435	5.829	-0.425	0.092	-0.544	23.450	-1.070	0.021
RGMA	-0.134	49.540	-0.355	2.773	-0.333	0.856	0.505	0.855	0.777	0.021
RGMB	0.324	0.052	0.665	0.107	-0.130	17.386	-0.285	0.947	0.595	0.039
RGS14	-0.106	49.540	0.235	5.829	-0.304	22.899			-0.581	0.471
RGS3	-0.128	25.771	-0.478	2.859	0.076	55.771	-0.595	0.061	-0.214	24.398
RGS6	-0.544	0.324	-0.222	0.784			0.055	47.420	0.758	0.021
RGS9	0.245	1.098	0.743	0.602	0.373	6.932	-0.249	41.825	-0.383	0.021
RHOBTB1	0.409	0.052	-0.409	5.829	-0.065	55.771	-0.138	32.497	-0.163	33.879
RHOC	-0.280	15.278	0.162	2.773	0.140	14.770	0.046	52.124	0.713	0.021
RHOD	0.156	21.797	0.208	1.663	0.809	0.092	-0.056	54.403	1.108	0.021
RHOG	-0.221	1.936	-0.220	1.534	0.070	49.127	0.032	54.403	0.549	0.021
RHOH	0.543	0.052	-0.380	1.663	-0.352	0.517	-0.227	13.893	1.216	0.039
RHOJ	-0.378	0.052	0.229	1.086	-0.270	26.120	1.555	0.061	1.110	0.021
RHOT1	0.158	1.431	0.387	1.086	0.130	9.255	0.356	0.573	-0.324	0.021
RHPN2	0.371	0.780	0.546	0.986	0.361	20.025	-0.900	5.543	-0.016	41.878
RIF1	-0.414	0.093	0.609	1.534	-0.418	2.056	-1.006	0.061	0.416	31.624
RIMS2	0.154	15.278	0.565	5.829	0.057	49.127	-0.227	0.292	-0.661	0.021
RIN2	0.131	18.587	0.466	0.944	-0.087	29.328	0.142	41.825	0.285	24.398
RINT1	0.132	33.231	0.387	4.122	-0.151	4.733	-0.353	49.358	-0.188	31.624
RLBP1	-0.253	7.743	0.275	1.289	0.139	26.120	0.027	53.829	0.783	0.021
RLBP1	-0.253	7.743	0.275	1.289	0.139	26.120	0.027	53.829	0.783	0.021
RLN1/RLN2	-0.331	37.036			0.034	59.793	1.125	0.727	-0.225	11.001
RMND1	0.021	55.170	0.822	0.180	0.199	3.068	0.249	32.497	-0.175	0.891
RNASEN	-0.127	29.668	-0.712	0.569	0.268	5.705	-0.643	0.061	-0.207	31.624
RND1	0.036	54.701	-0.249	4.122	0.069	54.331	-0.146	23.450	-0.455	0.119
RND3	-0.316	0.171	0.529	5.829	0.048	54.331	0.146	47.420	-0.122	24.398
RNF111	-0.590	0.052	0.259	2.300	-0.340	4.053	-0.405	41.825	-0.173	2.886
RNF121	-0.839	0.052	0.394	0.877	0.066	49.127	0.151	41.825	-0.678	0.021
RNF122	-0.046	53.690	-0.114	9.629	-0.045	55.771	-0.077	47.420	0.542	0.021
RNF128	-0.224	4.284	0.829	0.877			-0.209	2.913	-0.709	0.021
RNF130	-0.166	7.743	-0.341	3.009	0.089	14.770	-0.030	54.831	0.454	0.129
RNF135	-0.110	49.540	0.062	10.404	0.170	9.255	0.472	5.543	0.391	0.891
RNF141	0.218	0.529	0.677	0.944	0.203	4.053	-0.930	0.061	-0.445	0.269
RNF144B	0.472	1.098	0.216	0.484	0.322	49.127	0.804	0.727	-0.324	31.624

RNF185	0.160	7.743	0.451	1.663	0.014	60.505	0.827	0.061	0.219	42.369
RNF2	0.071	33.231	0.386	2.123	0.120	49.127	-0.079	47.420	0.427	0.391
RNF213	0.080	44.812	-0.420	3.009	0.050	56.823	0.280	0.250	1.020	0.021
RNF38	0.058	52.827	0.260	4.122	0.389	0.440			-0.117	36.831
RNF4	-0.135	29.668	0.453	3.205	0.396	0.641	-0.799	8.987	-0.225	0.471
RNF41	0.054	49.540	-0.206	5.829	0.056	58.611	-0.851	0.341	0.051	41.878
RNLS	-0.173	5.928	0.198	3.205	0.014	58.928	-1.031	0.947	-0.254	14.822
ROBO1	-0.299	0.666	0.651	0.420	-0.238	20.025	0.345	41.825	-0.483	0.021
ROBO3	0.221	29.668	-0.455	2.123	0.236	10.694	0.182	16.936	0.708	0.021
RP2	-0.196	25.771	-0.749	0.893	-0.232	14.770	-0.210	32.497	0.361	6.001
RPH3A	0.029	56.513	-0.141	4.122	0.247	22.899	-0.367	0.061	-0.233	4.218
RPL37	0.154	9.997	0.327	5.829	0.592	0.092	-0.631	3.866	-0.418	0.993
RPL39L	-0.622	12.647	-0.746	0.514			-0.374	49.358	1.401	0.021
RPL7A	0.147	37.036	-0.372	1.772	0.066	49.127	0.164	3.866	0.540	0.129
RPRM	-0.970	0.511	0.713	0.107	0.532	0.240	-0.245	41.825	0.876	0.021
RPS21	-0.073	55.870	-0.436	0.514	0.078	54.331	0.164	41.825	0.839	0.021
Rps24	0.482	0.093	0.607	0.514	-0.224	33.124	-1.142	0.109	-0.664	0.021
RPS6KB1	-0.553	0.052	0.545	1.772	-0.425	36.892	0.189	1.210	-0.354	0.119
RPS6KC1	-0.200	2.450	0.285	1.663	0.394	0.402	0.172	23.450	0.618	0.021
RRAD	-0.332	1.936	0.270	0.514	0.405	9.255	0.367	0.727	0.493	0.021
RRAS2	-0.131	15.278	0.530	1.289	-0.158	29.328	0.128	41.825	-0.406	0.993
RRBP1	-0.541	4.284	-0.212	13.299	-0.313	0.517	-0.557	11.241	-0.955	0.021
RRN3	-0.457	0.052	-0.118	7.537	-0.141	8.121	-0.319	47.420	-0.598	0.021
RRP1B	-0.196	15.278	-0.981	0.445	-0.163	33.124	-0.630	2.913	-0.337	14.822
RRP8	-0.161	0.930	0.246	0.420	0.035	56.823	-0.528	0.341	-0.155	24.398
RSPO1	-0.670	0.093	-0.456	4.122	0.578	22.899	0.658	0.061	1.507	0.021
RSPO2	-0.927	7.743	0.766	0.420			-0.185	23.450	-0.831	0.021
RSRC2	0.196	37.036	0.394	1.029	-0.089	41.103	0.118	41.825	-0.357	0.166
RTN4	-0.506	0.052	0.760	1.772	-0.196	20.025	0.263	16.936	-0.399	0.021
RTN4R	0.176	29.668	-0.403	3.205	0.120	41.103	0.177	11.241	0.561	0.119
RTP4	-0.313	3.157	0.189	7.537	0.723	0.092	0.306	23.450	0.549	0.119
RUNX2	0.126	44.812	-0.240	8.253	0.072	55.771	0.536	3.866	-0.901	0.021
RXRA	0.076	44.812	-0.128	8.881	-0.199	9.255	0.287	0.292	0.463	0.039
RXRG	-0.714	4.284	-0.259	1.457	-0.058	49.127	0.912	0.292	1.023	0.021
S100A1	-0.119	51.013			0.025	59.793	0.106	23.450	0.679	0.021
S100A10	0.171	2.450	0.155	0.514	0.379	1.309	0.131	23.450	1.014	0.021
S100A11	-0.277	49.540	0.144	6.703	0.277	29.328	-0.057	50.493	1.102	0.021
S100A13	-0.090	18.587	0.346	0.107	0.150	41.103	0.115	4.906	0.597	0.021
S100A16	0.049	49.540	0.399	2.300	0.089	33.124	-0.119	5.543	0.404	0.039
S100A3	0.054	44.812	-0.223	3.009	0.298	0.641			0.418	0.993
S100A4	-0.127	44.812	-0.090	14.770	0.210	9.629	0.351	0.353	1.427	0.021
S100A6	-0.202	44.812	0.053	11.093	0.465	12.575	0.025	54.403	1.348	0.021
S100B	-0.125	51.013	-0.206	5.829	-0.049	57.395	0.143	47.420	0.545	0.101
S1PR3	-0.108	49.540	-0.179	3.205	-0.085	54.331	0.072	41.825	0.619	0.119
SAG	-0.076	49.540	0.526	0.986	-0.178	58.074	0.498	0.061	-1.044	0.084
SAMD4A	-0.535	0.052	-0.128	5.829	0.299	14.770	-0.313	0.341	-0.319	14.822
SAMSN1	-0.156	49.540	-0.198	5.829	-0.374	17.386	-0.291	1.617	1.495	0.021
SAP130	-0.202	25.771	-0.102	5.829	-0.199	4.733	-0.601	0.727	-0.966	0.066
SAP18	-0.196	0.930	0.650	1.212	-0.081	22.899	-0.642	0.061	-0.412	0.084
SATB1	0.337	21.797	0.315	4.122	-0.434	0.092	-0.569	23.450	-0.569	0.021
SATB2	0.150	33.231	0.753	0.986	0.507	1.309	0.079	52.124	-0.395	8.002
SAV1	0.182	4.284	0.134	7.537	-0.047	54.331	0.122	47.420	-0.534	0.746
SBNO2	-0.027	57.109	-0.463	0.514	0.098	8.121	-0.142	2.913	-0.274	0.166
SCAMP1	-0.786	0.126	0.402	0.986			0.523	23.450	-0.461	0.119
SCAMP5	0.057	54.701			0.398	0.092	-0.117	41.825	-0.265	0.269
SCAPER	-0.213	21.797	0.419	4.122	-0.434	0.092	0.312	32.497	-0.247	14.822
SCARA3	0.217	33.231	0.270	0.514	0.139	36.892	0.051	53.829	0.471	0.021
SCGB3A1	-0.445	0.324	-0.355	0.514	0.369	17.386	-0.119	41.825	1.126	0.021
SCIN	-0.583	0.511	0.495	0.180	0.042	54.331	0.735	0.506	-0.236	14.822
SCN1A	0.270	37.036	0.231	11.783	0.021	60.231	-0.038	49.358	-0.408	0.021
SCPEP1	0.110	44.812	-0.454	4.122	0.034	56.823	0.381	16.936	0.398	0.977
SCRG1	-0.267	29.668	-0.325	2.614			0.101	32.497	0.616	0.021
SDC4	-0.303	7.743	0.740	0.514	-0.183	4.733	0.222	32.497	0.767	0.021
SDF4	-0.072	37.036	0.307	2.614	0.058	54.331	0.107	47.420	-0.432	0.471
SDPR	0.073	37.036	-0.399	0.595			-0.479	0.130	0.234	4.218
SDSL	-0.035	56.765	0.266	5.829	-0.074	36.892	0.090	51.354	0.479	0.269
SEC23IP	-0.243	0.930	0.628	0.784	0.174	3.475	-0.082	41.825	-0.359	0.129
SEC63	0.194	25.771	0.954	0.484	-0.091	41.103	0.137	4.906	-0.504	0.021

SECISBP2	0.054	44.812	0.699	0.180	0.025	58.928	0.554	0.061	-0.562	8.002
SEL1L	-0.329	0.052	-0.409	0.420	-0.278	10.694	0.372	19.971	-0.836	0.119
SELENBP1	0.092	37.036	-0.345	3.009	-0.093	55.771	0.131	41.825	0.457	0.891
SELPLG	-0.072	55.870	-0.426	2.773	0.122	5.705	0.098	47.420	0.557	0.021
SELT	0.390	15.278	0.379	1.289	0.102	54.331	0.446	1.878	-0.935	0.021
SEMA3C	-0.109	49.540	0.304	0.514	0.412	2.056	0.044	50.493	0.820	0.193
SEMA3G	-0.033	55.170	0.144	6.703	0.473	0.092	-0.156	52.656	-0.459	0.649
SEMA5A	0.038	52.827			-0.056	55.771	-0.143	41.825	-0.332	0.993
SEPP1	-0.174	12.647	-0.300	2.773	-0.069	54.331	0.136	27.828	0.524	0.021
SEPT11	-0.059	52.827	0.458	0.514	0.184	33.124	0.150	47.420	-0.621	0.021
SEPT6	0.227	0.511	0.637	0.569	0.256	4.053	0.350	0.061	0.443	0.084
SEPT7	0.087	49.540	0.241	2.773	-0.133	17.386	-0.105	32.497	-0.462	0.021
SEPT8	-0.196	44.812	-0.361	0.514	0.131	22.899	0.120	19.971	0.644	0.166
SERBP1	-0.042	57.109	0.660	0.267	0.107	10.694	-0.160	0.947	-0.185	4.218
SERPINA1	-0.089	37.036	-0.231	3.205	0.041	57.395	0.278	41.825	0.428	0.021
SERPINA9	0.147	15.278	-0.200	5.829	0.018	58.074	0.026	52.124	-0.463	0.066
SERPINF1	-0.172	44.812	-0.139	5.829	0.129	49.127	0.458	41.825	0.839	0.021
SERPINF2	0.300	0.052	-0.082	5.829			-0.224	41.825	0.980	0.021
SERPING1	-0.192	12.647	0.451	4.122	-0.044	58.611	0.359	1.332	0.594	0.307
SERPINH1	-0.309	21.797	0.083	7.537	0.127	9.255			0.708	0.021
SERTAD1	0.469	0.666	0.393	1.086	0.404	0.092	-0.023	53.272	0.436	0.649
SERTAD4	0.132	18.587	0.593	0.669	0.080	41.103	0.445	0.061	-0.036	41.258
SESN3	-0.153	49.540	0.655	0.354	0.060	49.127	-0.232	0.506	0.575	0.021
SESTD1	0.073	49.540	-0.075	12.522	-0.041	56.823	-0.159	13.893	-0.531	0.021
SET	-0.119	21.797	-0.390	4.122	-0.033	60.231	-0.096	41.825	-0.476	0.307
SETBP1	0.149	4.284	-0.333	2.859	0.144	49.127	-0.041	47.420	0.556	0.166
SETD3	-0.046	54.154	0.729	0.669	0.163	17.386	0.503	27.828	-0.788	0.021
SETD5	-0.380	3.157	0.399	7.537	-0.456	9.255	0.586	13.893	-0.975	0.021
SETD8	0.141	44.812	0.189	6.703	0.145	6.932	-0.394	0.506	-0.494	0.119
SF3B3	0.107	52.218	0.439	0.514	-0.201	12.575	0.143	41.825	-0.440	0.021
SFMBT1	-0.141	7.743	0.449	0.514	0.104	17.386	0.194	0.947	0.347	24.398
SFRP4	0.193	3.157			-0.420	0.724	0.229	49.358	-0.137	38.751
SFSWAP	-0.159	1.431	-0.547	3.009	0.069	49.127	0.245	8.987	0.486	0.213
SFT2D2	0.045	51.013	0.593	1.029	0.589	0.092	0.039	51.354	0.463	0.021
SFTPC	-1.247	0.052	0.250	0.602	-0.244	12.575	-0.737	3.866	-1.201	0.021
SFXN1	-0.104	52.827	-0.266	4.122	-0.192	2.659	-0.296	7.099	-0.493	0.021
SGCZ	-0.614	0.666	-0.424	3.009					0.032	31.624
SGPL1	-0.117	53.690	-0.151	5.829	0.275	1.309			0.443	0.129
SGSH	0.457	0.780	0.542	1.086	0.449	1.309	0.550	0.121	0.297	24.398
SGTB			0.531	1.772	0.187	2.659	-0.095	50.493	-0.453	0.391
SH3BGRL	0.040	49.540	0.370	5.829	-0.215	26.120	-0.297	11.241	-0.434	0.119
SH3BP1	0.134	33.231	-0.535	4.122	0.073	41.103	0.039	52.656	0.453	0.039
SH3D19	-0.421	0.171	0.486	2.859	-0.423	22.899	-0.395	4.906	-0.518	0.746
SH3GL2	-0.161	25.771	-0.275	3.205	-0.153	41.103	-0.169	0.727	0.771	0.021
SH3GL3	-0.414	0.511	-0.247	0.514	0.210	17.386	0.092	41.825	0.093	38.751
SH3KBP1	-0.512	0.170	0.749	0.669	-0.265	0.092	0.172	2.415	-0.012	41.258
SH3PXD2B	-0.088	44.812	0.263	8.253	0.343	4.733	0.193	41.825	0.490	0.193
SH3RF1	0.196	44.812	0.463	0.784	-0.362	36.892	-0.740	0.061	0.390	0.993
SH3TC1	-0.025	56.765	-0.185	8.881	0.260	14.770	-0.411	0.506	1.073	0.021
SHANK2	0.079	29.668	0.191	0.514	-0.165	8.121	0.340	0.353	0.588	0.021
SHCBP1	-0.284	0.936	-0.521	0.805	0.164	12.575	0.062	52.124	0.231	31.624
SHMT1	0.077	52.218	-0.334	3.009	-0.225	49.127	-0.690	0.061	-0.218	0.269
SHROOM2	-0.075	37.036	-0.149	10.404	0.104	29.328	-0.527	0.292	0.170	4.218
SIK1	0.190	37.036	0.539	0.107	0.408	0.724	-0.954	0.061	-0.536	0.021
SIPA1L1	0.203	37.036	-0.400	0.669	0.014	59.793	-0.143	27.828	-0.187	4.218
SIPA1L3	0.320	15.278	0.642	0.595	-0.086	49.127	0.017	55.172	0.073	40.660
SIRT1	0.136	29.668	0.891	1.029	-0.519	0.402	-0.245	27.828	0.455	0.021
SIVA1	0.016	55.170	-0.270	5.829			0.086	47.420	0.534	0.021
SKAP1	-0.169	52.218	0.179	7.537	0.397	0.641	0.468	1.210	-0.101	24.398
SKI	-0.492	0.930	0.157	0.944	-0.342	0.440	-0.336	23.450	-0.270	4.218
SLA	0.716	0.126	-0.336	3.205	-0.303	0.440	-0.289	27.828	0.561	0.021
SLAMF9	0.144	1.431	-0.285	3.205	-0.196	1.556	0.270	0.727	0.761	0.021
SLC11A1	0.046	52.827			0.018	57.395	-0.102	54.831	1.248	0.021
SLC11A2	0.160	9.997	0.517	1.086	-0.068	49.127	0.126	49.358	0.464	0.307
SLC12A4	-0.048	49.540	0.485	0.595	0.206	0.517	0.071	52.124	0.624	0.471
SLC12A7	0.080	49.540	0.301	0.944	-0.300	1.309	-0.136	47.420	0.416	0.391
SLC14A1	0.248	9.997	0.449	0.514	-0.202	3.475	0.233	0.341	0.771	0.021
SLC15A2	0.346	0.262	0.707	0.445	0.643	1.819	0.167	32.497	-0.263	4.218

SLC16A1	0.145	3.157	-0.169	5.829	-0.426	4.733	0.468	0.109	0.979	0.021
SLC16A9	0.010	57.293	0.156	5.829			0.515	0.061	0.095	36.831
SLC17A2	-0.148	0.529	-0.629	2.859	0.016	58.406	0.024	55.172	0.124	24.398
SLC17A5	0.307	0.171	0.428	5.829	-0.065	55.771	-0.479	0.353	-0.250	0.391
SLC18A2	-1.089	0.093	-0.197	0.784	-0.720	0.092	-1.013	0.250	-0.068	31.624
SLC1A2	0.265	0.398	-0.848	0.107	0.246	1.098	0.282	1.617	-0.822	0.021
SLC1A4	-0.104	44.812	-0.372	0.784	-0.126	22.899	-0.126	2.913	-0.133	31.624
SLC22A1	-0.364	7.743	-0.389	0.784	-0.153	10.694	-0.149	41.825	-0.277	11.001
SLC22A15	0.149	18.587	-0.417	4.122	0.048	55.771	0.209	41.825	0.533	0.066
SLC22A2	0.045	51.013	-0.636	0.300	-0.246	55.771			0.285	40.051
SLC22A4	0.035	53.690	0.338	0.514			-0.239	0.855	1.307	0.021
SLC25A17	0.166	18.587	0.352	0.204	-0.216	10.694	-0.458	0.061	-0.467	0.119
SLC26A3			-0.735	2.859	0.033	55.771	-0.038	49.358	-0.417	0.993
SLC27A2	-0.285	0.093	0.353	1.534	-0.523	1.819	-0.159	50.493	-1.739	0.021
SLC27A3	-0.043	56.765	0.476	2.773	0.258	0.517	-0.433	4.906	-0.241	6.001
SLC27A5	0.106	44.812	0.344	0.180	0.331	0.092	-0.729	0.617	-0.402	14.822
SLC2A4	-0.171	51.013	0.172	0.514	-0.340	4.733	-0.579	1.878	1.434	0.021
SLC2A5	-0.073	29.668	0.317	6.703	-0.090	41.103	0.478	0.061	0.324	11.001
SLC31A2	0.252	3.157	0.542	0.445	-0.231	41.103	-0.148	0.855	0.075	38.751
SLC35D1	-0.216	44.812	0.223	7.537	0.021	60.231			0.539	0.600
SLC35D3	0.161	37.036	-0.545	0.264	0.113	20.025	0.122	27.828	-0.103	39.468
SLC35F3	-0.132	3.157	-0.310	6.703	-0.107	8.121	-0.192	13.893	0.414	0.119
SLC38A1	-0.256	29.668	0.947	0.877	-0.207	12.575	-0.335	0.061	-0.704	0.021
SLC39A12	-0.635	7.743	0.309	8.881	-0.076	49.127	-0.160	32.497	0.410	0.021
SLC39A14	0.999	0.052	0.336	4.122	0.049	54.331	-0.066	32.497	0.166	8.002
SLC46A1	-0.183	44.812	-0.455	0.230	-0.112	26.120	0.144	32.497	0.279	1.977
SLC47A1	-0.364	0.171	-0.526	0.107	-0.325	10.694	0.590	16.936	0.313	37.824
SLC4A10	-0.336	0.052	-0.532	2.859	-0.281	0.641	0.240	41.825	0.707	0.021
SLC6A13	0.914	0.052	0.128	9.629	0.711	0.659	0.843	0.947	0.645	0.213
SLC6A15	-0.791	0.052	0.680	2.300	-1.074	0.092	0.506	41.825	-1.432	0.021
SLC6A9	-0.121	12.647	-0.257	6.703	0.073	41.103	0.301	2.415	0.456	0.993
SLC7A1	-0.134	1.431	-0.639	2.773	-0.051	49.127	-0.195	0.292	-0.466	0.084
SLC7A3	-0.166	7.743	0.290	4.122	0.028	57.395	0.532	0.506	0.546	0.119
SLC7A7	-0.241	44.812	-0.320	0.784	0.174	29.328	0.442	11.241	0.671	0.039
SLC8A3	-0.188	1.936	-0.422	0.663	0.054	55.771	0.068	50.493	-0.130	11.001
SLCO1A2	-0.164	0.324	-0.694	2.614	-0.035	57.395	0.066	49.358	0.216	24.398
Slco1a5	-0.108	25.771	-0.694	0.614	-0.035	57.395	0.066	49.358	0.216	24.398
SLCO2A1	-0.356	25.771	-0.404	0.784			0.465	3.866	-0.268	0.649
SLCO2B1	0.041	52.827	0.462	1.772	0.095	41.103	0.176	7.099	0.840	0.021
SLCO3A1	-0.062	51.013	0.066	8.253	-0.285	4.053	0.110	41.825	-0.503	0.021
SLCO4A1	-0.354	0.171	0.464	0.595	-0.556	0.092	0.549	16.936	0.769	0.021
SLFN2	-0.640	0.171	0.179	9.629	0.226	10.694	0.327	32.497	0.990	0.021
SLIT2	-0.464	0.052	-0.250	4.122	-0.101	54.331	-0.579	27.828	0.091	44.052
SLMAP	-0.360	33.231	-0.455	1.772	-0.409	0.659	-0.110	8.987	-0.445	0.039
SLPI	-0.204	2.450	-0.368	2.859	0.523	0.092			0.388	24.398
SMAD3	0.184	4.284	0.472	0.457	0.317	22.899	0.186	52.656	0.316	31.624
SMARCA5	0.069	51.013	0.803	0.595	0.062	54.331	0.143	50.493	-0.468	0.084
SMC6	-0.206	44.812	0.613	0.230	0.174	12.575	0.440	0.947	-0.232	0.129
SMEK1	-0.200	9.997	0.692	0.784	-0.399	4.733	-0.540	27.828	-0.895	0.021
SMG6	-0.557	0.052	0.600	0.514	-0.350	0.240	-0.568	8.987	0.604	0.119
SMG7	0.276	0.171	0.283	1.663	0.195	22.899	-0.932	0.061	0.401	0.021
SMNDC1	0.023	54.701	0.585	0.893	0.048	54.331	0.098	41.825	-0.283	6.001
SMOC2	-0.658	0.052	-0.373	0.180	-0.358	4.733	0.233	3.866	-0.222	24.398
SMPD2	-0.145	9.997	0.329	3.205	0.087	49.127	-1.044	0.061	0.182	33.879
SMPD3	-0.880	0.052	-0.490	0.267	-0.202	33.124	0.068	47.420	0.150	38.751
SMS	-0.265	33.231	0.517	0.107	-0.238	17.386	0.053	47.420	-0.946	0.021
SMTNL2	0.371	0.171	0.211	8.881			-0.638	0.061	-0.563	0.021
SMUG1	0.055	44.812	0.583	0.669	0.290	49.127	0.121	23.450	-0.444	0.993
SMURF1	0.258	0.324	0.298	0.300	0.252	0.659	0.088	23.450	0.509	0.119
SNAP25	0.011	56.513	0.233	10.404	0.205	54.331	-0.207	0.130	-0.481	0.119
SNCA	-0.127	51.013	0.262	5.829	-0.098	58.074			-0.429	0.746
SNF1LK	0.999	0.052	0.539	0.107	0.408	0.724	-0.954	0.855	1.405	0.021
SNTG2	-0.793	0.171	0.513	1.289	-0.171	54.331	-0.467	0.947	-0.953	0.746
SNX16	0.202	44.812	0.508	0.420	-0.149	20.025	-0.131	16.936	-0.491	0.066
SNX33	-0.093	49.540	0.205	0.514	0.198	9.255			0.410	0.021
snx4	0.061	49.540	0.475	1.289	0.121	55.771	-0.191	23.450	0.534	0.021
SNX7	-0.145	1.431	0.252	7.537	-0.059	59.432	-0.147	13.893	-0.446	0.021
SNX8	-0.068	52.218	-0.148	5.829	0.095	49.127	-0.427	0.061	0.069	39.468

SOAT1	-0.691	0.052	-0.447	4.122	0.291	22.899	-1.277	0.061	-0.497	0.993
SOCS2	-0.609	0.052	0.413	1.663	-0.400	0.092	-0.473	27.828	-1.770	0.021
SOCS3			-0.333	2.859	0.279	17.386	-0.306	0.130	0.813	0.021
SOCS4	0.196	44.812	0.707	0.669	0.118	29.328			-0.465	0.119
SOCS6	-0.057	55.170	0.542	0.107	0.018	58.406	0.503	1.332	-0.357	31.624
SORCS2	-0.049	54.154	-0.122	7.537	-0.229	49.127			-0.401	8.002
SOS1	0.576	0.930	1.399	0.107	0.176	14.770	0.348	0.399	-0.526	0.021
SOSTDC1			0.170	4.122	-1.042	8.121	0.535	1.210	-0.898	0.983
SOX10	-0.156	3.157	-0.559	0.784			0.111	41.825	0.484	0.166
SOX11	-0.546	0.262	0.626	0.944	0.114	49.127	1.134	0.061	1.246	0.021
SOX14	-0.156	0.930	-0.625	0.829	-0.042	54.331	0.037	53.272	0.164	11.001
SOX15	-0.460	0.930	-0.761	2.773			0.034	53.829	0.272	24.398
Sox17	0.037	51.013	0.693	0.514	0.247	1.556	-0.294	1.878	-0.456	0.021
SOX21	-0.411	0.171	-0.410	3.009	0.147	22.899	-0.621	0.061	-0.307	0.746
SOX9	0.183	15.278	0.592	0.354	-0.274	0.724	-0.336	0.250	0.838	0.021
SP110	0.412	3.157	0.294	8.881	-0.093	54.331	0.244	41.825	0.996	0.021
SP4	-0.410	0.093	-0.620	0.107	-0.419	1.556	0.283	0.353	0.354	0.471
SPARC	-0.276	0.171	-0.494	2.773	-0.179	5.705	0.077	47.420	0.842	0.021
SPATA5	0.110	44.812	-0.565	2.123	-0.077	49.127	0.380	13.893	-0.095	24.398
SPINT2			0.133	6.703	0.136	29.328	0.432	1.878	0.812	0.471
SPOCK1	0.211	0.324	0.169	6.703	-0.526	3.475	-0.433	11.241	-0.755	0.993
SPOCK3	0.056	51.013	-0.102	10.404	-0.418	1.556			-0.708	0.084
SPON1	0.045	52.827	0.378	4.122	0.333	3.068	0.492	0.947	0.266	24.398
SPP1	-0.396	0.324	0.892	0.107	-0.205	12.575	-0.667	0.855	1.517	0.021
SPPL2A	-0.257	0.529	0.530	0.212	-0.367	12.575	0.097	52.124	0.208	36.831
SPRED1	-0.300	0.262			0.187	41.103	0.106	41.825	0.548	0.471
Sprr1a	-0.043	49.540	-0.157	5.829			0.022	55.172	0.433	0.119
SPRY4	0.448	18.587	-0.398	0.784	0.169	29.328	-0.226	11.241	0.818	0.021
SPSB2	0.147	25.771			0.014	60.505	0.080	49.358	-0.516	0.993
SPTBN1	0.296	0.529	0.718	0.514	-0.628	0.724	0.289	41.825	0.530	0.993
SPTLC2	0.215	7.743	-0.560	1.086	-0.184	1.098	-0.513	0.177	-0.060	40.051
SQRDL	-0.179	0.666	0.384	0.420	0.271	41.103	-0.077	41.825	0.552	0.021
SRCAP	-0.494	0.052	0.175	0.986	-0.230	3.475	-0.265	0.130	0.221	4.218
SRD5A1	0.050	55.170	0.498	0.180	-0.128	29.328	-0.334	11.241	-0.436	0.129
SREBF1	-0.148	44.812			-0.049	55.771	-0.116	41.825	0.576	0.039
SREK1	-0.084	44.812	0.544	1.457	-0.256	1.309	-0.051	41.825	-0.418	0.021
SRGAP1	0.710	0.052	0.405	1.289	-0.384	6.932	-0.987	0.061	-0.549	0.021
SRGN	-0.431	0.171	-0.532	3.009	0.036	58.074	0.136	41.825	0.798	0.021
SRL					-0.255	29.328	0.088	50.493	-0.503	0.891
SRPK3	0.307	44.812	0.558	1.663	0.136	22.899	0.723	0.061	-0.437	0.066
SRPR	-0.360	0.666	0.577	1.457	0.167	5.705	0.283	19.971	-0.366	0.993
SSBP1	-0.147	5.928	0.795	0.986	0.224	12.575	-0.576	2.913	-0.385	0.166
SSTR2	-0.259	12.647	-0.168	0.514	-0.391	3.475	-0.209	16.936	-0.627	0.391
SSX2IP	0.264	44.812	0.234	8.881	0.153	41.103	-0.557	0.855	-0.250	4.218
ST14	-0.113	44.812	-0.560	2.859	-0.057	54.331	0.077	27.828	0.423	0.746
ST18	-0.304	44.812	0.271	8.253	0.043	58.928	-0.893	0.250	-0.312	24.398
St3gal3	-0.839	0.052	-0.303	6.703	0.341	33.124	0.831	0.130	0.570	0.993
ST5	-0.119	49.540			0.402	3.475	-0.135	41.825	-0.529	0.307
ST6GALNAC2	-0.103	52.218	-0.392	0.784	0.421	0.402	0.512	0.121	0.050	44.315
ST8SIA6	-0.481	0.093	0.544	2.300	-0.648	6.932	-0.625	2.415	-0.490	0.993
STAM	0.278	9.997	0.649	1.212	0.380	4.733	-0.056	47.420	-0.492	0.021
STAP2	0.138	49.540	-0.249	2.123	-0.188	20.025	-0.273	16.936	-0.844	0.039
STAR	0.251	5.928	0.769	0.595	0.318	3.068	-0.350	50.493	-0.594	0.021
STARD8	-0.187	2.450	0.182	7.537	0.570	0.517	-0.394	1.617	0.889	0.166
STAT1	-0.313	0.324	0.528	0.264	-0.210	0.641	-0.603	0.250	-0.628	0.021
STAT3	-0.252	1.431	0.406	0.669	0.099	54.331	-0.291	13.893	0.276	31.624
STAT5B	-0.635	0.666	-0.149	7.537	0.348	1.309	-0.202	11.241	0.589	0.045
STBD1	0.820	0.052	0.571	0.569	-0.458	10.694	1.105	11.241	-0.235	31.624
STC1	-0.345	0.052	0.308	1.772	-0.354	4.733	-0.304	41.825	-1.496	0.021
STEAP3	-0.529	0.262	-0.249	4.122	-0.615	0.240	-0.392	47.420	-1.051	0.021
STK35	-0.409	15.278	-0.453	0.784	0.290	49.127	-0.292	19.971	-0.518	0.021
STRADA	0.020	56.874	-0.183	2.614	-0.197	36.892	0.085	47.420	-0.744	0.021
STRBP	-0.043	57.109	0.881	1.212	0.091	14.770	0.086	27.828	-0.270	0.119
STRN	0.413	0.930	0.822	0.354	-0.057	54.331	0.399	0.109	-0.157	4.218
STT3B	-0.266	21.797	0.419	0.514	0.072	49.127	-0.401	19.971	-0.720	0.269
STX16	-0.460	9.997	0.246	0.944	0.275	0.517	-0.317	1.617	-0.553	0.269
STX3	0.196	52.218	0.888	0.107	0.604	4.733	-1.209	0.250	0.573	0.891
STX5	-0.067	49.540	0.286	4.122	0.074	41.103	0.315	0.061	-0.487	0.021

SULF1	-0.680	0.052			0.090	55.771	0.137	47.420	1.352	0.021
SULT1A1	0.298	25.771	0.294	5.829	-0.353	3.475	0.184	50.493	0.566	0.119
SULT6B1	0.176	49.540	-0.692	0.784	-0.385	3.068	-0.309	47.420	-0.227	24.398
SUPT3H	0.030	52.827	0.577	0.514			0.150	50.493	-0.376	0.166
SUSD3	-0.225	1.098	-0.208	5.829			-0.103	49.358	0.402	0.045
SUV39H2	0.327	18.587	0.613	0.300	-0.350	17.386	0.666	4.906	-1.116	0.021
SUV420H1	0.434	15.278	0.565	0.174	-0.725	0.092	-0.331	27.828	0.049	41.258
SV2B	-0.082	29.668	0.548	2.773	-0.112	49.127	-0.047	49.358	-0.558	0.269
SYCE2	-0.069	55.559	-0.328	0.877	-0.529	5.705	0.275	0.109	-0.148	38.751
SYK	0.055	44.812			0.067	58.406	-0.771	0.130	0.388	0.391
SYNCRIP	-0.226	49.540	0.747	2.300	-0.787	0.281	0.264	7.099	-0.562	0.021
SYNE1	-0.234	5.928	0.631	2.123	-0.085	56.823	-0.223	2.415	-0.746	0.307
SYNE2	-0.339	0.052	-0.395	4.122	0.103	41.103	-0.915	0.061	0.582	11.001
SYNGR1	0.328	1.936	-0.609	1.663	0.135	26.120	-0.215	1.878	0.902	0.021
SYNGR2	-0.294	3.157	-0.093	8.253	0.174	0.856	0.296	7.099	0.471	0.471
SYNJ2	0.499	0.171	0.213	5.829	0.271	0.440	0.167	7.099	0.947	0.021
SYNPO	0.195	21.797	-0.263	4.122	0.392	6.932	-0.250	47.420	0.710	0.471
SYP	0.416	0.666	0.148	2.300			-0.098	5.543	-0.204	0.649
SYPL1	-0.256	0.171	0.539	4.122	0.171	1.309	0.526	0.061	-0.437	0.977
SYT10	0.489	0.052	-0.092	8.253	-0.073	54.331			-0.087	31.624
SYT17	-0.105	55.559	0.252	6.703	0.454	0.092	0.079	51.354	-0.523	4.218
SYT4	0.088	29.668	0.779	1.457	-0.169	12.575	-0.303	19.971	-0.513	0.269
TAC1	-0.437	12.647	0.516	0.445	0.168	2.311	-0.162	13.893	-0.906	0.269
TAC10	0.286	0.052	0.535	0.514	0.326	0.092	0.125	16.936	-0.412	0.021
TAF9B	0.111	49.540	0.776	0.669	0.046	54.331			-0.617	0.993
TAGLN	0.522	0.529	0.468	0.514	0.568	0.092	-0.631	0.109	1.103	0.021
TANC1	-0.032	57.367	0.669	0.107	0.126	49.127	0.227	16.936	0.228	0.391
TARDBP	-0.273	0.529	0.715	1.086	-0.135	4.053	0.351	23.450	-0.398	0.045
TAS1R1	0.070	44.812	-0.216	2.300	0.135	26.120	0.394	0.399	0.224	33.879
TASP1	0.221	21.797	0.601	0.300	0.302	8.121	-0.366	3.866	-0.285	1.193
TBC1D2	-0.178	0.511	-0.714	2.773	0.063	55.771	0.211	32.497	0.669	0.021
TBC1D4	-0.194	5.928	-0.178	4.122	-0.146	49.127	0.716	0.250	0.779	0.021
TBPL1	-0.265	1.431	0.847	0.569	0.256	6.932	-0.181	47.420	-0.364	0.993
TBX1			0.354	8.881	0.984	0.641	0.520	2.913	0.315	8.002
TBXAS1	-0.226	33.231	0.465	0.986	0.240	49.127	0.112	47.420	1.216	0.021
TCF12	0.358	1.936	0.427	0.877	-0.047	55.771	-1.118	0.399	-0.439	24.398
TCF7L2	-0.287	5.928	0.395	0.514	-0.335	1.819	-0.565	0.109	0.767	0.021
TCP1	0.154	44.812	0.893	0.420	-0.087	41.103	-0.220	4.906	-0.168	6.001
TDG	0.291	1.936	0.774	0.944	0.230	0.281	0.286	0.855	0.503	0.066
Tdg	-0.458	0.052	-0.633	2.614	-0.477	0.092	-0.170	1.617	-0.207	24.398
TDP2	-0.085	56.130	0.560	0.212	-0.223	0.819	-0.282	0.573	0.081	41.258
TDRD5	0.045	53.690	0.183	4.122	-0.251	26.120	-0.301	27.828	0.579	0.601
TEK	-0.540	0.052	-0.313	2.773	0.339	0.659	-0.195	23.450	-0.563	0.129
TF	-0.342	21.797	-0.484	0.784	0.794	3.068	0.296	27.828	1.212	0.021
TFAP4	-0.283	1.098	-0.680	2.859	0.151	22.899	0.300	23.450	0.515	0.213
TFDP2	-0.321	21.797	0.581	0.204	-0.179	26.120	0.499	0.727	0.594	1.193
TFRC	0.316	0.930	0.872	0.986	-0.094	36.892	0.260	2.913	-0.432	0.213
TGFB1	0.267	7.743	0.190	5.829	0.472	1.556	0.486	1.210	0.882	0.021
TGFBR1	0.106	25.771	0.105	8.881	-0.504	0.240	-0.089	32.497	0.374	0.166
TGFBR2	-0.061	54.154	0.460	3.205	-0.141	36.892	-0.463	0.573	0.601	0.021
TGFBRAP1	0.269	9.997	0.614	0.514	-0.124	54.331	-1.288	0.061	-0.443	0.021
TGIF2	-0.188	37.036	-0.186	9.629	0.228	17.386	0.292	8.987	0.688	0.021
TGM1	0.487	0.171			0.559	0.092	-0.455	7.099	1.353	0.021
TGM2	-0.573	0.052	-0.554	0.784	0.238	1.309	0.376	2.913	0.482	0.307
Tgtp1	-0.205	55.870	0.783	0.107	-0.714	0.281	0.191	41.825	0.541	0.021
TH	-0.107	33.231	-0.379	0.354	-0.503	9.255	0.156	23.450	0.615	0.746
THAP2	-0.209	29.668	0.780	0.602	-0.142	10.694	0.219	3.866	0.525	0.021
THBD	-0.082	51.013	-0.538	0.309	0.328	12.575	-0.063	47.420	0.220	31.624
THBS2	-0.271	1.431	-1.038	0.773					0.289	24.398
THBS4	-0.152	29.668	-0.196	2.859	0.424	0.819	0.164	41.825	0.226	31.624
THOC2	-0.189	1.098	0.222	4.122	-0.309	0.856	-0.396	0.855	0.454	0.993
THPO	-0.196	37.036	-0.652	3.205	0.278	4.733	-0.092	47.420	0.463	0.021
THRAP3	-0.148	49.540	0.591	0.445	-0.498	0.092	-0.866	1.332	-0.222	14.822
THRB	-0.138	44.812	-0.322	4.122	-0.154	17.386	-0.586	0.121	-0.898	0.119
THSD7B	0.064	52.218	0.906	0.944	-0.167	4.053	0.106	47.420	-0.396	0.891
TIA1	-0.107	51.013	0.712	0.595	-0.218	1.819	-0.293	0.109	-0.402	0.269
TIAM1	-0.160	33.231	0.060	8.881	0.116	49.127	-0.126	19.971	-0.521	0.269
TIAM2	-0.684	0.052	0.274	0.784	0.090	54.331	0.132	41.825	-0.900	0.993

TICAM1	0.024	56.513	0.143	2.614	0.287	0.402	0.225	16.936	0.515	0.021
TIFA	0.143	44.812	-0.376	5.829	-0.041	54.331	-0.061	41.825	0.508	0.649
TIMM17B	-0.133	5.928	0.296	5.829	0.334	36.892	0.174	27.828	-0.584	0.021
TIMP1	-0.318	12.647	-0.296	3.009	0.350	0.724	-0.363	8.987	1.332	0.021
TIMP2	-0.655	0.093	0.093	10.404	0.240	20.025	0.258	41.825	0.191	24.398
TIMP4	-0.366	0.398	-0.375	0.569	-0.177	8.121	0.204	2.415	0.042	43.175
TIRAP	0.174	33.231	-0.573	0.595	0.409	0.440	-0.949	0.061	-0.089	36.831
TLE3	0.172	5.928	-0.574	0.859	0.189	2.056	0.144	32.497	0.329	0.471
TLE6	0.036	49.540			0.381	26.120	-0.123	49.358	-0.431	0.891
TLN1	0.138	7.743	-0.158	0.784	0.234	2.311	0.107	41.825	0.590	0.021
TLR1	0.290	0.170	0.620	0.107	0.169	55.771	-0.274	49.358	0.955	0.021
TLR2	-0.521	1.431	0.191	6.703	0.427	2.311	0.676	11.241	1.571	0.021
TLR7	-0.149	56.874	0.209	8.881	0.370	3.068	0.148	41.825	0.724	0.021
TM4SF1	-0.168	5.928	0.118	11.783	0.186	12.575	0.109	23.450	0.646	0.021
TM4SF5	0.350	0.171	0.163	5.829	-0.039	57.395	0.946	0.061	-0.342	14.822
TM6SF1	0.127	37.036	0.747	0.877	0.015	60.231	-0.366	1.332	-0.587	0.021
TMBIM4	0.348	2.450	0.298	0.514	0.072	29.328	-0.232	41.825	0.572	0.021
TMC6	0.069	51.013	-0.289	0.784	0.581	0.092	-0.062	41.825	0.691	0.021
TMCC3	-0.325	0.052	0.062	11.783	0.332	0.641	-0.270	1.332	0.718	0.021
TMEM132D	-0.284	37.036	-0.560	0.457					0.182	35.531
TMEM158	0.099	44.812	0.102	8.881	-0.060	55.771	0.160	16.936	0.568	0.119
TMEM163	-0.213	18.587	0.510	1.457	0.193	29.328	-0.069	49.358	0.889	0.021
TMEM173	-0.230	0.529	-0.427	2.859	0.052	49.127	0.173	13.893	0.636	0.021
TMEM176B	-0.163	49.540	0.388	2.614	0.156	8.121	0.130	13.893	0.780	0.021
TMEM189					0.338	2.311	-0.374	23.450	0.695	0.021
TMEM47	-0.235	0.666	-0.828	0.773	-0.056	54.331	0.035	53.829	0.274	24.398
TMEM51	-0.061	53.690	0.263	0.602	0.527	1.819	-0.218	54.403	0.703	0.021
TMEM57	0.035	52.827	0.219	0.514	0.045	56.823	0.455	0.109	0.216	14.822
TMEM63A	0.165	5.928	-0.561	3.205	0.084	26.120	0.250	0.177	-0.351	0.993
TMEM86A	-0.354	0.126	-0.072	11.783			0.252	0.399	0.486	0.021
tmf1	0.183	44.812	0.649	1.029	0.070	49.127	-0.151	4.906	-0.421	0.084
TMLHE	0.211	18.587	-0.392	5.829	0.179	26.120	0.125	41.825	-0.386	0.084
tmod1	0.399	0.171	0.440	0.445	0.158	33.124	-0.292	1.617	-0.584	0.021
TMOD2	-0.571	0.511	0.494	0.514	-0.496	0.724	0.152	16.936	-0.341	0.119
TMPRSS6	0.279	21.797	-0.165	3.205	0.360	0.659			0.796	0.021
TMSB10/TMSB4X	0.178	33.231	0.310	1.663	0.250	29.328	-0.232	0.947	0.778	0.269
TMTC1	-0.207	0.511	0.763	1.457	0.188	10.694	-0.289	4.906	-0.497	0.021
TMTC2	0.215	0.666	0.199	0.944	0.036	56.823	0.098	49.358	-0.532	0.649
TMX1	-0.139	1.098	0.770	1.029	0.017	58.406			-0.472	0.021
TMX4	-0.106	44.812	0.680	1.772	0.156	49.127	0.074	52.124	-0.750	0.021
TNFAIP2	-0.063	44.812	-0.621	1.772	-0.038	58.406	-0.025	54.831	0.408	0.021
TNFAIP8L2	-0.161	29.668	0.193	2.773	0.541	0.402	-0.370	0.506	0.361	0.021
TNFRSF21	0.234	0.398	0.531	0.877	0.035	56.823	0.076	47.420	-0.608	0.649
TNFRSF9									0.692	0.021
TNIK	-0.207	25.771	0.759	1.289	-0.249	36.892	-0.413	32.497	-0.381	0.307
TNKS	-0.260	37.036	0.605	1.663	-0.345	0.641	0.144	23.450	-0.362	0.307
TNNI2	-0.156	33.231	-0.290	2.614	0.369	1.309	0.077	50.493	0.610	0.039
TNS1	-0.365	0.052	-0.354	3.205	0.424	0.724	-0.969	0.353	0.654	0.066
TNS3	0.233	15.278	0.680	0.204	0.127	49.127	0.221	16.936	0.340	6.001
TNXB	0.224	37.036	0.459	0.986	0.949	0.092	-0.230	47.420	0.638	0.649
TOM1L2	-0.346	0.262	0.430	0.445	0.633	0.092	-0.285	0.292	-0.494	0.213
TOMM34	0.268	1.936	0.251	7.537	0.099	54.331	0.120	50.493	-0.481	0.021
TOMM70A	-0.199	7.743	0.342	0.595	-0.102	49.127	0.049	47.420	-0.381	0.166
TOR3A	-0.126	52.827	0.558	0.267	-0.119	26.120	0.270	41.825	0.607	0.021
TP73	0.617	0.171	0.645	0.595	-0.460	26.120	0.642	0.353	0.269	1.977
TPD52L2	0.264	0.666	0.722	0.877	0.126	22.899	0.142	19.971	-0.367	1.977
TPM1			0.244	1.212	0.545	0.092	-0.272	16.936	-0.129	24.398
TPMT	-0.129	25.771	0.467	0.107	-0.347	3.068	-0.513	0.947	0.415	0.993
TPP2	0.354	0.052	0.443	0.180	-0.037	56.823	0.041	47.420	-0.117	11.001
TPPP	-0.065	44.812	0.240	5.829	-0.135	8.121	-0.164	8.987	-0.471	0.021
TPPP3			0.282	5.829	0.043	57.395	0.062	53.272	0.594	0.119
TRA2A	-0.234	18.587	0.583	1.457	0.261	3.068	-0.164	13.893	-0.567	0.021
TRAF3IP3	0.092	37.036	0.647	0.595	0.164	36.892	0.105	41.825	-0.557	0.021
TRAF4	-0.319	29.668	0.357	0.514	-0.127	54.331	-0.771	0.341	1.228	0.021
TRAF5	0.268	33.231	0.675	1.029	0.690	0.092	-0.453	1.332	0.460	0.471
TRAPPC8	0.299	0.262	-0.142	3.205	0.124	41.103	0.162	41.825	-0.367	0.039
TRDMT1	-0.118	37.036	0.199	12.522	-0.131	14.770	0.463	0.250		
TREM2	0.194	3.157	-0.681	0.569	0.042	56.823	0.115	47.420	1.283	0.021

Gene	C1a	C1b	C2a	C2b	C3a	C3b	C4a	C4b	C5a	C5b
TREML1	0.061	44.812			0.223	0.659	-0.862	0.061	-0.331	11.001
TRERF1	-0.328	0.052			0.165	49.127	0.515	0.061	0.619	0.066
TRHDE	0.214	18.587	0.547	2.773	-0.239	0.856	-0.177	4.906	-0.467	0.021
TRIB1	1.015	0.052	0.904	0.354	0.606	0.092	-0.049	55.172	-0.347	44.203
TRIM25	0.068	49.540	0.645	0.784	-0.182	9.255	-0.056	47.420	-0.474	0.119
Trim30a/Trim30d			-0.254	2.614	-0.663	0.092	0.457	19.971	0.674	0.649
TRIM37	-0.939	0.052	0.431	2.123	-0.650	0.092	-0.110	23.450	-0.298	0.119
TRIM68	-0.059	51.013	-0.148	8.253	-0.158	4.053	0.560	0.061	-0.792	0.021
TRIM7	0.128	15.278	0.131	5.829	0.272	8.121	0.058	52.124	0.463	0.471
TRIP13	0.198	5.928	0.448	1.534	-0.158	55.771	0.153	47.420	-0.667	0.021
TRIP4	0.095	51.013	-0.353	0.569	0.202	49.127	0.767	0.855	-0.781	0.021
TRIP6	0.031	55.170	0.266	1.457	0.227	0.641	0.783	0.061	0.438	0.021
TRMT12	-0.722	0.171	-0.774	2.773	-0.492	0.440	-0.354	41.825	-0.413	0.129
TRMT1L	0.125	18.587	0.659	0.514	0.079	54.331			-0.403	0.213
TRMT6	-0.533	0.052	0.270	11.093	-0.513	0.092	0.145	23.450	0.892	0.993
TROVE2	0.145	1.936	-0.591	1.457	-0.218	10.694	-0.376	0.573	-0.230	1.193
TRPC2	-0.322	3.157	0.756	0.514	0.668	1.309	1.166	0.061	-0.384	0.649
TRPC4	-0.266	0.780	-0.118	8.881	0.312	10.694	1.250	0.506	-0.241	0.649
TRPM3	0.017	57.293	0.217	1.534	-0.293	1.098	-0.646	0.061	-0.853	0.119
TRPS1	-0.742	0.052	0.410	0.264	-0.284	4.053	0.211	1.878	-0.774	0.021
TSC1	-0.485	0.052	0.577	1.534	0.430	10.694	-0.278	13.893	-0.627	0.021
TSC22D4	-0.445	0.052	0.489	0.669	0.270	26.120	0.716	0.061	0.635	0.993
TSHZ3	0.119	44.812	-0.633	3.009	-0.286	3.475	-0.804	0.061	-0.221	0.649
TSN	-0.357	0.171	0.456	0.420	-0.611	0.440	-0.397	0.061	-0.555	24.398
TSPAN15			0.573	0.569	0.276	1.819	-0.193	19.971	0.612	0.213
TSPAN18	0.050	49.540	0.094	8.253	-0.157	49.127	0.789	0.061	0.989	0.021
TSPAN2	-0.031	55.870	-0.352	4.122			0.366	0.061	0.644	0.307
TSPAN4					-0.079	49.127			0.522	0.391
TSPAN9	0.222	0.666	-0.136	6.703	0.334	0.402	0.046	53.272	0.485	0.129
TSPEAR	0.099	29.668	-0.806	0.309	0.280	0.856			0.306	0.307
TSPO	-0.449	18.587	-0.354	5.829	0.231	0.517	0.538	0.727	0.944	0.021
TTBK2	0.171	15.278	0.187	5.829	-0.185	1.556	-0.674	0.061	-0.505	0.021
TTC30B	0.216	5.928	0.510	1.534	0.080	36.892	0.112	49.358	-0.381	0.021
TTC38	-0.191	51.013	0.158	8.881	0.134	41.103	0.944	0.061	-0.375	31.624
TTC7A	-0.126	44.812	-0.357	3.009			0.187	0.573	0.539	0.021
TTC9C	0.298	0.511	0.686	1.772	-0.170	10.694	0.150	11.241	-0.478	0.269
TTF1	0.438	9.997	0.311	2.773	-0.374	0.659	-0.079	47.420	0.217	31.624
TTF2	-0.237	37.036	-0.310	0.784	-0.214	33.124	-1.229	0.061	0.333	6.001
TTLL7	0.032	56.130	0.368	2.300	0.294	2.311	0.167	55.172	-1.005	0.021
TUBA1C	-0.626	0.170	0.299	0.484	0.096	26.120	0.448	0.061	1.100	0.021
TUBB2B	-0.105	33.231	-0.285	5.829	0.056	49.127	-0.067	41.825	0.428	0.021
TUBB6	0.354	0.093	-0.291	4.122	0.269	33.124	0.568	0.399	0.739	0.129
TUBGCP4	0.129	7.743	0.786	1.029	0.099	36.892	-0.464	5.543	-0.696	0.021
TULP1	0.139	15.278	-0.669	0.944			0.045	52.656	0.128	31.624
TUSC3	0.082	44.812	0.633	1.289	-0.081	49.127			-0.433	0.166
TWF1	-0.556	2.450	0.520	2.614	-0.561	0.092	0.409	0.353	-0.623	0.307
TWIST2	-0.228	3.157	-0.144	5.829	-0.813	3.068	0.575	0.061	-0.612	0.947
TXNDC9	-0.464	0.780	-0.369	4.122	0.334	1.556	0.120	27.828	0.053	43.745
TXNRD2	-0.084	49.540	0.102	6.703	0.057	49.127	-0.482	0.109	0.048	40.660
TYMS	-0.218	0.511	0.453	0.514	-0.480	4.733	0.222	41.825	0.143	42.369
TYRO3	0.287	18.587	0.298	5.829	0.416	0.092	-0.176	13.893	0.064	43.175
TYROBP	-0.214	44.812			0.093	54.331	0.113	23.450	0.934	0.021
U2AF1	0.203	33.231	-0.622	0.663	0.126	3.068	0.176	27.828	-0.153	11.001
U2af2	0.071	54.701	-0.161	10.404	0.264	2.311	-1.260	0.061	-0.373	0.993
UBA5	0.341	33.231	0.496	0.514	-0.554	0.281	-0.751	0.109	-0.183	2.886
UBAP2L	-0.637	0.052	0.608	0.107	-0.746	0.092	-0.476	2.913	-1.192	0.021
UBE2D1	0.417	0.511	0.474	2.123	0.222	0.724	-0.254	5.543	-0.320	0.746
UBE2D2	0.059	49.540	0.703	0.595	-0.085	36.892	0.144	47.420	-0.479	0.307
UBE2E1	0.117	44.812	0.650	0.595	-0.179	8.121	-0.051	49.358	-0.460	0.021
UBE2E2	-0.040	57.367	-0.389	3.205	0.151	36.892	0.128	4.906	0.505	0.039
UBE2I	-0.372	0.780	0.319	4.122	0.105	41.103	-0.253	8.987	-0.490	0.993
UBE2J2	0.159	21.797	0.605	0.514	0.034	56.823	0.098	41.825	-0.182	2.886
UBE2N	0.157	21.797	0.550	0.180	-0.092	41.103	-0.464	0.130	-0.899	0.021
UBE2T	0.267	1.098	-0.294	3.009	-0.149	17.386	0.553	0.061	-0.057	35.531
UBE2V2	0.184	37.036	-0.408	0.595	-0.109	29.328	-0.145	2.913	-0.380	0.021
UBE2W	0.220	49.540	0.583	0.602	-0.111	22.899	0.258	47.420	-0.528	0.021
UBE3A	-0.195	25.771	0.929	1.029	-0.203	26.120	0.142	1.617	-0.448	0.021
UBR2	0.164	18.587	0.249	0.514	-0.203	0.724	0.445	0.061	0.234	38.751

UBR3	-0.481	0.052	-0.212	0.784	-0.716	0.402	0.110	41.825	0.206	24.398
UCHL3	0.132	44.812	0.613	0.264	-0.085	41.103			-0.063	38.751
UCP2	0.095	49.540	-0.273	0.602	0.021	58.406	-0.348	5.543	0.841	0.021
UGT2B10	-0.425	0.052	0.163	8.253	-0.600	2.659	0.977	0.109	1.541	0.021
UMPS	0.179	0.529	0.526	0.595	0.077	41.103	0.181	23.450	-0.172	24.398
UNC45B	0.036	51.013	-0.401	4.122	0.494	0.517	-0.226	13.893	-0.363	24.398
UNC93B1	-0.071	56.765	-0.306	3.205	0.081	41.103	-0.167	49.358	0.791	0.021
UPF2	0.537	29.668	-1.104	2.614	-0.397	0.092	-0.034	53.272	-0.329	14.822
UPF3B	-0.128	18.587	0.786	0.595	-0.207	1.556	0.467	0.506	-0.313	0.891
UQCRQ	-0.372	0.171	0.241	4.122	-0.171	5.705			0.217	39.468
USH1C	0.032	51.013	-0.403	0.205	0.011	60.231	0.088	41.825	0.198	8.002
USO1	-0.081	51.013	0.481	1.086	-0.053	57.395	0.259	32.497	-0.366	0.166
USP13	0.247	4.284	0.393	3.205	0.234	6.932	-0.044	47.420	-0.370	0.021
USP15	-0.903	0.052	0.553	1.663	-0.573	0.092	-1.159	0.061	0.803	0.993
USP25	0.183	33.231	0.647	0.595	0.119	6.932	-0.269	3.866	-0.175	0.746
USP32	-0.125	1.936	-0.358	4.122	0.058	49.127	-0.054	47.420	-0.459	0.021
USP33	0.105	44.812	0.532	1.457	-0.091	33.124	0.077	51.354	-0.435	0.021
USP36	-0.473	0.052	0.134	7.537	-0.407	0.092	0.640	19.971	-0.377	0.993
USP39	-0.108	52.218	0.811	0.595	-0.110	29.328	0.258	32.497	-0.375	0.021
USP45	-0.112	44.812			-0.125	49.127	-0.170	47.420	-0.494	0.649
USP46	-0.323	29.668	0.466	0.784	0.218	8.121	0.167	41.825	-0.541	0.021
USP47	-1.080	0.052	0.259	5.829	-0.533	1.309	0.695	0.399	-0.406	0.166
USP53	-0.984	1.098	0.561	0.180	0.076	41.103	0.113	41.825	0.416	0.307
UST	-0.045	52.218	-0.430	3.205	-0.213	8.121	-0.393	0.292	0.089	37.824
UTP18	0.208	29.668	-0.363	4.122	0.293	14.770	-0.574	0.250	0.129	33.879
UTP23	-0.205	7.743	0.817	0.107	-0.216	26.120	0.381	41.825	-0.869	0.021
VAMP7	0.019	54.701			-0.294	3.475	-0.287	0.573	-0.386	0.471
VAMP8	0.233	0.324	0.324	1.772	-0.079	55.771	-0.116	8.987	0.520	0.045
VANGL1	-0.576	0.262	-0.130	3.205	0.312	5.705	-0.168	11.241	0.402	0.993
VANGL2	-0.723	0.780	-1.035	1.029	0.366	0.281	-0.559	19.971	0.490	0.746
VAPB	-0.494	0.052	0.411	0.174	0.065	49.127	0.337	8.987	0.241	8.002
VARS2	0.101	33.231	0.249	0.986	-0.036	60.231	0.475	0.061	0.074	40.660
VAT1L	-0.241	33.231	0.249	5.829	0.322	0.092	-0.053	52.124	0.533	0.021
VAV1	0.486	2.450	-0.529	2.300	0.370	22.899	0.525	41.825	1.269	0.021
VCAM1	-0.184	1.431	-0.329	4.122	0.261	1.309	0.413	0.947	0.434	0.213
VCL	0.155	25.771	0.537	0.830	0.210	0.724	-0.174	0.573	0.348	0.993
VEGFA	0.229	0.262	-0.190	7.537	0.666	0.092	-0.767	5.543	-0.677	0.084
VEGFB	-0.058	53.690	-0.439	0.164	0.119	6.932	0.186	3.866	0.288	1.977
VIM	-0.392	0.052	0.638	0.445	0.198	0.856	0.298	1.332	1.573	0.021
VPS13A	0.164	0.930	0.521	0.595	-0.081	54.331	0.245	2.913	-0.525	0.066
VPS24	0.128	25.771	0.596	0.514	0.131	49.127	0.177	47.420	-0.112	37.824
VPS35	-0.424	0.171	0.232	2.614	-0.432	4.733	0.078	49.358	-0.353	0.021
VPS36	-0.443	44.812	0.611	0.180	-0.065	56.823	-0.468	0.250	-0.029	39.468
VSNL1	0.164	44.812	0.539	0.174	-0.076	41.103	-0.070	23.450	-0.547	0.045
VSX2	-0.301	33.231	0.196	8.253	0.069	58.406	-0.168	41.825	0.483	0.977
VTA1	0.027	55.170	-0.361	3.205	0.075	55.771	0.062	41.825	0.753	0.129
VTI1A	0.461	0.093	0.621	0.669	0.301	1.556	-0.360	49.358	-0.553	0.746
VWA3B	-0.098	49.540	-0.142	9.629	0.226	8.121	0.518	11.241	0.563	0.021
VWF	-0.827	0.052	0.829	0.300	0.181	10.694	-0.259	23.450	0.558	0.021
WAPAL	0.215	0.666	0.636	2.300	-0.076	41.103	0.128	41.825	-0.664	0.021
WARS2	-0.559	0.262	0.615	0.669	0.369	1.556	0.759	1.878	0.441	24.398
WASF2	0.075	51.013	0.304	0.440	0.298	8.881	0.180	19.971	0.638	0.021
WASF3	-0.127	55.559	-0.424	0.669	-0.043	58.611	-0.048	49.358	-0.191	4.218
WBP4	0.024	55.870	0.977	0.264	0.043	54.331	0.075	41.825	-0.578	0.021
WBSCR17	-0.133	49.540	0.477	0.986	0.491	2.056	-0.847	0.947	0.476	0.993
WDFY3	-0.503	15.278	-0.112	6.703	0.856	0.092	-0.168	1.617	0.550	0.021
WDR11	-0.856	0.052	0.411	5.829	-0.446	0.092	-0.304	47.420	-0.540	0.021
WDR12	-0.204	25.771	0.648	0.514	-0.810	0.092	-0.536	0.947	-0.377	4.218
WDR20	0.284	4.284	0.953	0.267	-0.223	2.659	-0.137	11.241	-0.425	0.021
WDR33	0.198	44.812	0.526	0.514	-0.106	41.103	0.228	27.828	-0.305	11.001
WDR37	0.134	44.812	1.092	0.986	0.169	41.103	-0.747	7.099	-0.617	0.021
WDR59	0.449	0.052	0.416	0.669	0.050	54.331	0.269	0.130	-0.713	0.084
WDR70	-0.111	18.587	-0.135	10.404	-0.182	4.733	-0.232	27.828	-0.475	0.891
WDR77	0.390	0.171	0.633	1.663	0.230	4.053	-0.518	0.061	-0.575	0.891
WFDC5	-0.139	51.013			-0.482	8.121	0.522	0.573	0.449	0.891
WHSC1	0.283	0.171	0.584	0.669	0.151	2.056	0.247	2.913	0.559	1.193
WHSC1L1	0.383	0.511	0.273	1.086	0.301	0.240	-0.579	0.061	-0.663	0.021
WIF1	-0.779	0.052	-0.170	6.703	-0.288	9.255	0.478	0.855	-0.081	38.751

WISP1	-0.299	4.284	0.129	13.299	0.292	29.328	-0.749	0.061	-0.682	24.398
WISP2	-0.253	5.928	-0.110	3.205	0.286	0.281	0.233	2.415	1.003	0.021
WNK1	0.126	44.812	-0.492	0.986	-0.315	1.098	#########	50.002	-0.964	0.021
WNT3A	0.498	18.587	0.837	0.107	0.244	26.120	0.333	0.506	-0.056	37.824
WNT4	0.056	55.170	0.347	5.829	0.284	2.056	0.456	0.947	-0.264	24.621
WRN	0.524	0.511	0.376	0.569	-0.246	4.733	0.741	27.828	0.460	0.021
WSCD2	0.102	33.231	0.053	8.881	0.017	58.611	0.134	41.825	0.618	0.601
WWOX	-0.445	0.052	0.376	0.602	0.210	3.068	0.204	13.893	-0.554	0.307
WWP1	0.266	15.278	0.561	1.663	0.162	4.733	-0.680	1.878	0.731	0.021
XDH	-0.569	0.262	-0.566	1.029	-0.222	26.120	-0.180	47.420	0.393	36.831
XRCC2	0.229	0.398	-0.570	0.944			-0.837	0.947	0.117	31.624
XRN1	0.148	25.771	0.213	0.514	-0.034	60.231	0.264	41.825	-0.375	0.993
YARS2	0.130	33.231	0.727	0.595	-0.058	57.395	-0.581	0.061	-0.500	0.021
YEATS2	-0.049	44.812	-0.052	13.299	0.075	41.103	0.231	7.099	0.423	0.391
YLPM1	-0.202	18.587	0.541	0.420	-0.961	0.092	-0.722	1.878	-0.557	0.166
YTHDC2	0.035	54.701	0.793	0.877	0.017	59.793	0.267	0.573	-0.297	6.001
YWHAG	0.070	49.540	0.898	0.267			-0.049	50.493	-0.434	0.021
Ywhaq	-0.384	0.052	0.636	0.514	-0.361	0.856	0.072	47.420	-0.215	2.886
YY1	0.328	37.036	0.795	1.534	-0.123	6.932	-0.503	8.987	0.434	0.649
ZAP70	-0.096	33.231	0.456	0.174	0.131	36.892	-0.216	1.878	0.436	0.891
ZBTB10	0.504	0.511	0.622	0.514	0.367	0.724	0.941	0.061	0.300	1.977
ZBTB12	-0.292	0.126	-0.370	0.514	-0.375	0.659	-0.294	0.727	0.931	0.021
ZBTB20	-0.125	44.812	0.451	1.772	-0.541	0.092	-0.226	4.906	-0.387	0.391
ZBTB43	0.112	15.278	0.438	0.107	0.080	54.331	0.165	11.241	0.098	38.751
ZBTB5	-0.087	44.812	-0.254	2.123	-0.302	0.641	-0.665	0.573	-0.620	0.021
ZBTB7A	0.238	12.647	0.125	10.404	0.231	20.025	0.250	3.866	0.617	0.021
ZC3H12C	0.525	0.052	-0.106	6.703	0.423	5.705	-0.602	1.878	1.026	0.021
ZCCHC11	-0.510	0.052	-0.360	4.122	-0.214	9.255	-0.242	23.450	-0.995	0.021
ZCCHC7	-0.421	0.093	0.698	2.300	-0.348	0.092	0.152	41.825	0.298	14.822
ZCCHC8	0.024	54.154	-0.349	0.784	0.056	58.406	-1.133	0.061	0.215	0.471
ZDHHC21	0.093	44.812	0.679	1.457	-0.210	1.098	-0.429	8.987	-0.703	0.119
ZEB2	-0.303	0.262	0.452	0.289	-0.374	29.328	-0.597	0.061	0.182	36.831
ZFC3H1	0.182	49.540	0.356	2.300	-0.088	41.103	0.668	0.177	0.172	8.002
ZFHX3	-0.915	0.171	0.769	0.174	-0.231	29.328			1.029	0.021
Zfp386	0.436	0.780	0.973	0.107	-0.429	0.440	-0.538	1.332	-1.625	0.021
ZFP91	-0.747	0.093	0.714	1.212	-0.332	4.733	-0.684	0.130	1.053	0.021
ZFPM1	0.183	2.450			0.251	8.121	0.067	49.358	0.597	0.269
ZFR	0.319	1.098	0.504	0.300	-0.346	0.724	-0.579	0.353	-0.265	24.398
ZFYVE26	-0.378	0.052	-0.606	0.784	-0.429	0.281	1.172	0.061	0.287	0.391
ZIC1	-1.544	0.052	0.386	2.773	-0.573	0.092	-0.335	32.497	0.403	31.624
ZKSCAN1	-0.432	0.052	0.732	0.602	0.041	56.823	0.274	2.913	0.071	40.660
ZKSCAN2	-0.078	33.231	-0.910	0.428	-0.063	49.127			0.424	0.977
ZKSCAN5	0.083	49.540	0.452	2.300	0.097	41.103	-0.371	0.947	-0.325	0.269
ZMAT1	-0.463	0.052	0.322	8.253	-0.403	0.092	0.220	1.617	-0.480	0.021
ZMYM2	0.192	7.743	0.568	0.484	-0.160	3.475	-0.205	13.893	0.349	0.891
ZNF169	-0.684	0.052			-0.242	6.932			-0.738	0.213
ZNF175	0.505	0.052	0.487	2.123	0.105	55.771	-0.737	1.878	-0.739	0.021
ZNF202	0.254	0.171	-0.284	4.122	0.168	2.056	-0.376	0.947	-0.258	11.001
ZNF205	0.135	44.812	0.663	0.893	0.089	29.328	-0.161	23.450	-0.215	8.002
ZNF276	0.245	0.511	-0.321	4.122	-0.119	54.331	-0.556	0.341	-0.298	6.001
ZNF317	-0.064	55.559	0.674	0.514	-0.148	6.932	0.638	0.061	-0.363	0.746
ZNF385B	0.420	12.647	-0.132	13.299	0.429	4.733	-0.123	32.497	1.182	0.213
ZNF440/ZNF808	0.529	5.928	0.168	5.829	0.641	0.092	0.459	19.971	-0.146	24.398
ZNF451	-0.212	0.529	0.705	0.514	0.494	3.068	0.400	0.341	-0.386	0.039
ZNF469	-0.281	0.052	-0.696	0.944	-0.114	29.328	0.350	8.987	0.135	31.624
ZNF536	0.389	0.052	-0.579	1.534	-0.164	9.255	0.116	47.420	0.441	0.307
ZNF593	-0.157	15.278	-0.310	4.122	0.096	49.127	-0.618	0.061	0.225	1.193
ZNF642	-0.148	33.231	0.586	0.784			0.223	2.913	0.818	0.021
ZNF652	0.109	21.797	0.399	0.164	0.224	9.255	-0.705	16.936	-0.038	40.660
ZNF667	0.025	53.690	0.586	1.212	-0.042	58.928	-0.144	19.971	-0.486	0.066
ZNF668	-0.783	0.052	-0.422	0.877	-0.873	0.641	-1.206	0.061	0.637	0.021
ZNFX1	0.356	0.780	-0.384	2.859	-0.150	26.120	0.397	27.828	-0.480	0.391
ZNHIT6	-0.096	51.013	0.533	0.784	0.088	41.103	0.336	11.241	-0.389	0.039
ZNRF3	0.313	5.928	0.423	0.180	0.279	9.255			-0.115	33.879
ZWILCH	0.122	44.812	-0.489	1.663	-0.317	2.659	-0.496	0.341	-0.122	31.624
ZWINT	0.193	4.284	0.502	0.174			0.327	23.450	0.275	0.213