

Unnamed: 0	p_val	avg_log2FC	pct.1	pct.2	p_val_adj
AACS	0.00e+00	7.18e-01	0.694	0.377	0.00e+00
AAK1	0.00e+00	5.27e-01	0.968	0.9	0.00e+00
AARSD1	0.00e+00	2.95e-01	0.453	0.284	0.00e+00
AASS	0.00e+00	-3.03e-01	0.049	0.172	0.00e+00
ABCA1	0.00e+00	-6.42e-01	0.063	0.293	0.00e+00
ABCA10	0.00e+00	4.22e-01	0.716	0.524	0.00e+00
ABCA17P	0.00e+00	8.32e-01	0.699	0.363	0.00e+00
ABCA2	0.00e+00	3.18e-01	0.599	0.427	0.00e+00
ABCA3	0.00e+00	5.84e-01	0.806	0.603	0.00e+00
ABCA5	0.00e+00	4.08e-01	0.93	0.789	0.00e+00
ABCA6	0.00e+00	4.02e-01	0.586	0.376	0.00e+00
ABCA9	0.00e+00	3.77e-01	0.548	0.344	0.00e+00
ABCB9	0.00e+00	5.26e-01	0.671	0.465	0.00e+00
ABCC10	0.00e+00	2.71e-01	0.417	0.266	0.00e+00
ABCC5	0.00e+00	4.23e-01	0.871	0.738	0.00e+00
ABCC8	0.00e+00	3.46e-01	0.564	0.393	0.00e+00
ABCD4	0.00e+00	3.09e-01	0.568	0.414	0.00e+00
ABHD18	0.00e+00	3.62e-01	0.852	0.721	0.00e+00
ABHD2	0.00e+00	4.66e-01	0.841	0.673	0.00e+00
ABHD3	0.00e+00	5.60e-01	0.508	0.284	0.00e+00
ABI2	0.00e+00	5.00e-01	0.963	0.871	0.00e+00
ABL2	0.00e+00	4.50e-01	0.878	0.752	0.00e+00
ABLIM1	0.00e+00	4.98e-01	0.945	0.82	0.00e+00
ABLIM2	0.00e+00	8.57e-01	0.901	0.671	0.00e+00
ABO	0.00e+00	4.69e-01	0.309	0.069	0.00e+00

ABR	0.00e+00	6.23e-01	0.878	0.744	0.00e+00
ACAA1	0.00e+00	2.80e-01	0.471	0.316	0.00e+00
ACACA	0.00e+00	4.69e-01	0.952	0.878	0.00e+00
ACAD11	0.00e+00	3.49e-01	0.715	0.537	0.00e+00
ACADSB	0.00e+00	3.99e-01	0.664	0.481	0.00e+00
ACADVL	0.00e+00	5.90e-01	0.695	0.455	0.00e+00
ACAP2	0.00e+00	8.30e-01	0.953	0.843	0.00e+00
ACAP3	0.00e+00	7.41e-01	0.832	0.608	0.00e+00
ACBD6	0.00e+00	6.43e-01	0.935	0.83	0.00e+00
ACER2	0.00e+00	4.14e-01	0.367	0.178	0.00e+00
ACO1	0.00e+00	5.54e-01	0.672	0.475	0.00e+00
ACOT11	0.00e+00	3.04e-01	0.413	0.255	0.00e+00
ACOT7	0.00e+00	3.86e-01	0.676	0.513	0.00e+00
ACSL4	0.00e+00	4.27e-01	0.808	0.679	0.00e+00
ACTL6B	0.00e+00	3.28e-01	0.545	0.368	0.00e+00
ACTN1	0.00e+00	1.10e+00	0.891	0.586	0.00e+00
ACTN4	0.00e+00	4.94e-01	0.722	0.533	0.00e+00
ACTR2	0.00e+00	4.80e-01	0.854	0.685	0.00e+00
ACTR3	0.00e+00	2.89e-01	0.677	0.531	0.00e+00
ACVR1	0.00e+00	9.27e-01	0.649	0.377	0.00e+00
ACVR1C	0.00e+00	6.02e-01	0.434	0.203	0.00e+00
ACVR2A	0.00e+00	7.61e-01	0.908	0.704	0.00e+00
ACYP2	0.00e+00	3.87e-01	0.934	0.862	0.00e+00
ADAM10	0.00e+00	3.70e-01	0.848	0.72	0.00e+00
ADAM11	0.00e+00	5.18e-01	0.553	0.281	0.00e+00
ADAM17	0.00e+00	4.54e-01	0.825	0.645	0.00e+00

ADAM22	0.00e+00	5.80e-01	0.961	0.856	0.00e+00
ADAM23	0.00e+00	6.02e-01	0.977	0.821	0.00e+00
ADAM29	0.00e+00	2.62e-01	0.226	0.101	0.00e+00
ADAM32	0.00e+00	6.47e-01	0.587	0.298	0.00e+00
ADAM9	0.00e+00	4.63e-01	0.688	0.48	0.00e+00
ADAMTS16	0.00e+00	1.35e+00	0.577	0.124	0.00e+00
ADAMTS3	0.00e+00	1.56e+00	0.577	0.202	0.00e+00
ADAMTS6	0.00e+00	-6.92e-01	0.038	0.161	0.00e+00
ADAMTSL4-AS1	0.00e+00	3.60e-01	0.361	0.165	0.00e+00
ADAP1	0.00e+00	3.28e-01	0.418	0.24	0.00e+00
ADARB1	0.00e+00	6.44e-01	0.784	0.556	0.00e+00
ADARB2	0.00e+00	-1.83e+00	0.351	0.542	0.00e+00
ADCK1	0.00e+00	2.62e-01	0.394	0.247	0.00e+00
ADCY1	0.00e+00	1.04e+00	0.873	0.549	0.00e+00
ADCY8	0.00e+00	8.51e-01	0.797	0.372	0.00e+00
ADCY9	0.00e+00	8.57e-01	0.858	0.646	0.00e+00
ADD2	0.00e+00	1.02e+00	0.912	0.68	0.00e+00
ADGRA2	0.00e+00	3.53e-01	0.269	0.076	0.00e+00
ADGRB1	0.00e+00	6.44e-01	0.75	0.52	0.00e+00
ADGRB2	0.00e+00	4.25e-01	0.657	0.434	0.00e+00
ADGRB3	0.00e+00	9.08e-01	1.0	0.97	0.00e+00
ADGRL1	0.00e+00	5.62e-01	0.798	0.644	0.00e+00
ADGRL2	0.00e+00	1.23e+00	0.976	0.694	0.00e+00
ADGRL3	0.00e+00	1.09e+00	0.999	0.95	0.00e+00
ADGRL4	0.00e+00	2.76e-01	0.132	0.04	0.00e+00
ADK	0.00e+00	3.40e-01	0.964	0.897	0.00e+00

ADNP	0.00e+00	3.35e-01	0.873	0.79	0.00e+00
ADORA1	0.00e+00	3.82e-01	0.414	0.216	0.00e+00
ADRA1A	0.00e+00	-4.69e-01	0.155	0.342	0.00e+00
ADSS2	0.00e+00	5.00e-01	0.638	0.396	0.00e+00
AEBP2	0.00e+00	9.89e-01	0.98	0.86	0.00e+00
AFDN	0.00e+00	4.22e-01	0.902	0.81	0.00e+00
AFF1	0.00e+00	3.17e-01	0.572	0.398	0.00e+00
AFF2	0.00e+00	6.21e-01	0.744	0.47	0.00e+00
AFF3	0.00e+00	1.26e+00	0.972	0.819	0.00e+00
AFF4	0.00e+00	4.53e-01	0.91	0.815	0.00e+00
AFG3L1P	0.00e+00	2.66e-01	0.394	0.241	0.00e+00
AGAP1	0.00e+00	8.87e-01	0.989	0.89	0.00e+00
AGAP2	0.00e+00	4.22e-01	0.609	0.395	0.00e+00
AGAP3	0.00e+00	4.58e-01	0.721	0.547	0.00e+00
AGBL1	0.00e+00	8.65e-01	0.507	0.231	0.00e+00
AGBL4	0.00e+00	9.26e-01	0.996	0.896	0.00e+00
AGFG1	0.00e+00	5.31e-01	0.874	0.727	0.00e+00
AGO3	0.00e+00	3.89e-01	0.91	0.841	0.00e+00
AGPAT4	0.00e+00	4.49e-01	0.889	0.764	0.00e+00
AGTPBP1	0.00e+00	2.76e-01	0.92	0.822	0.00e+00
AHCYL2	0.00e+00	5.55e-01	0.926	0.795	0.00e+00
AHDC1	0.00e+00	5.73e-01	0.657	0.46	0.00e+00
AHI1	0.00e+00	4.36e-01	0.995	0.937	0.00e+00
AIFM2	0.00e+00	3.49e-01	0.411	0.221	0.00e+00
AJAP1	0.00e+00	6.90e-01	0.788	0.565	0.00e+00
AK5	0.00e+00	1.59e+00	0.987	0.794	0.00e+00

AKAP10	0.00e+00	3.47e-01	0.752	0.623	0.00e+00
AKAP5	0.00e+00	4.60e-01	0.432	0.202	0.00e+00
AKAP6	0.00e+00	4.60e-01	0.989	0.947	0.00e+00
AKAP8L	0.00e+00	6.94e-01	0.865	0.677	0.00e+00
AKAP9	0.00e+00	3.53e-01	0.957	0.917	0.00e+00
AKIRIN1	0.00e+00	3.13e-01	0.593	0.435	0.00e+00
AKNAD1	0.00e+00	3.26e-01	0.459	0.296	0.00e+00
AKT2	0.00e+00	3.88e-01	0.644	0.465	0.00e+00
AKT3	0.00e+00	7.77e-01	0.99	0.966	0.00e+00
ALDH1A2	0.00e+00	5.33e-01	0.402	0.193	0.00e+00
ALDH8A1	0.00e+00	5.26e-01	0.488	0.249	0.00e+00
ALG1	0.00e+00	2.96e-01	0.297	0.16	0.00e+00
ALG11	0.00e+00	3.39e-01	0.59	0.419	0.00e+00
ALG8	0.00e+00	3.07e-01	0.503	0.34	0.00e+00
ALK	0.00e+00	-1.43e+00	0.369	0.534	0.00e+00
ALKAL2	0.00e+00	3.77e-01	0.217	0.033	0.00e+00
ALMS1	0.00e+00	4.62e-01	0.833	0.702	0.00e+00
ALMS1P1	0.00e+00	3.23e-01	0.388	0.215	0.00e+00
ALOX12P2	0.00e+00	3.81e-01	0.683	0.49	0.00e+00
ALS2	0.00e+00	4.16e-01	0.771	0.605	0.00e+00
AMBRA1	0.00e+00	5.09e-01	0.855	0.729	0.00e+00
AMDHD2	0.00e+00	3.36e-01	0.381	0.183	0.00e+00
AMMECR1	0.00e+00	4.00e-01	0.797	0.615	0.00e+00
AMN1	0.00e+00	3.30e-01	0.694	0.543	0.00e+00
AMOTL1	0.00e+00	-4.15e-01	0.245	0.409	0.00e+00
AMPH	0.00e+00	1.27e+00	0.962	0.728	0.00e+00

AMZ1	0.00e+00	3.98e-01	0.502	0.293	0.00e+00
AMZ2	0.00e+00	5.27e-01	0.634	0.396	0.00e+00
ANK1	0.00e+00	-5.90e-01	0.099	0.266	0.00e+00
ANK2	0.00e+00	5.54e-01	0.998	0.967	0.00e+00
ANK3	0.00e+00	7.00e-01	0.999	0.931	0.00e+00
ANKDD1A	0.00e+00	3.26e-01	0.646	0.481	0.00e+00
ANKDD1B	0.00e+00	2.69e-01	0.396	0.235	0.00e+00
ANKFY1	0.00e+00	3.36e-01	0.758	0.624	0.00e+00
ANKHD1	0.00e+00	4.62e-01	0.825	0.638	0.00e+00
ANKMY2	0.00e+00	4.12e-01	0.669	0.469	0.00e+00
ANKRD10	0.00e+00	3.16e-01	0.836	0.742	0.00e+00
ANKRD11	0.00e+00	7.25e-01	0.93	0.835	0.00e+00
ANKRD13C	0.00e+00	4.42e-01	0.873	0.751	0.00e+00
ANKRD17	0.00e+00	5.30e-01	0.974	0.932	0.00e+00
ANKRD18A	0.00e+00	-5.18e-01	0.067	0.282	0.00e+00
ANKRD18B	0.00e+00	6.02e-01	0.411	0.094	0.00e+00
ANKRD18CP	0.00e+00	5.10e-01	0.645	0.394	0.00e+00
ANKRD20A11P	0.00e+00	1.57e+00	0.588	0.283	0.00e+00
ANKRD20A3P	0.00e+00	2.62e-01	0.337	0.193	0.00e+00
ANKRD20A5P	0.00e+00	1.03e+00	0.532	0.221	0.00e+00
ANKRD23	0.00e+00	3.52e-01	0.537	0.386	0.00e+00
ANKRD24	0.00e+00	4.49e-01	0.424	0.187	0.00e+00
ANKRD26	0.00e+00	4.40e-01	0.93	0.83	0.00e+00
ANKRD27	0.00e+00	4.56e-01	0.572	0.344	0.00e+00
ANKRD28	0.00e+00	5.37e-01	0.939	0.847	0.00e+00
ANKRD29	0.00e+00	4.36e-01	0.436	0.284	0.00e+00

ANKRD30B	0.00e+00	4.75e-01	0.479	0.275	0.00e+00
ANKRD30BL	0.00e+00	7.19e-01	0.99	0.831	0.00e+00
ANKRD33B	0.00e+00	1.38e+00	0.789	0.248	0.00e+00
ANKRD34B	0.00e+00	-4.82e-01	0.029	0.15	0.00e+00
ANKRD34C-AS1	0.00e+00	9.87e-01	0.892	0.544	0.00e+00
ANKRD36	0.00e+00	2.91e-01	0.974	0.914	0.00e+00
ANKRD36BP2	0.00e+00	4.40e-01	0.623	0.364	0.00e+00
ANKRD36C	0.00e+00	2.69e-01	0.963	0.9	0.00e+00
ANKRD42	0.00e+00	4.07e-01	0.577	0.359	0.00e+00
ANKRD46	0.00e+00	3.30e-01	0.625	0.468	0.00e+00
ANKRD49	0.00e+00	3.16e-01	0.488	0.308	0.00e+00
ANKRD55	0.00e+00	-1.07e+00	0.111	0.484	0.00e+00
ANKRD62	0.00e+00	3.13e-01	0.147	0.023	0.00e+00
ANKRD7	0.00e+00	6.11e-01	0.744	0.482	0.00e+00
ANKS1B	0.00e+00	4.51e-01	0.999	0.962	0.00e+00
ANO10	0.00e+00	4.44e-01	0.862	0.722	0.00e+00
ANO3	0.00e+00	1.10e+00	0.873	0.501	0.00e+00
ANO4	0.00e+00	4.54e-01	0.859	0.712	0.00e+00
ANO5	0.00e+00	5.94e-01	0.893	0.713	0.00e+00
ANO6	0.00e+00	3.88e-01	0.659	0.457	0.00e+00
ANOS2P	0.00e+00	6.16e-01	0.799	0.544	0.00e+00
ANTKMT	0.00e+00	3.66e-01	0.479	0.285	0.00e+00
ANTXR2	0.00e+00	9.44e-01	0.3	0.074	0.00e+00
ANXA11	0.00e+00	9.06e-01	0.604	0.209	0.00e+00
ANXA4	0.00e+00	3.77e-01	0.422	0.277	0.00e+00
ANXA6	0.00e+00	3.09e-01	0.6	0.425	0.00e+00

ANXA7	0.00e+00	4.72e-01	0.774	0.584	0.00e+00
AOPEP	0.00e+00	8.82e-01	0.944	0.745	0.00e+00
AP1G2	0.00e+00	4.10e-01	0.577	0.393	0.00e+00
AP1M1	0.00e+00	5.51e-01	0.622	0.395	0.00e+00
AP1S1	0.00e+00	3.04e-01	0.443	0.268	0.00e+00
AP2A1	0.00e+00	3.32e-01	0.538	0.37	0.00e+00
AP2A2	0.00e+00	6.35e-01	0.819	0.626	0.00e+00
AP2B1	0.00e+00	4.18e-01	0.879	0.749	0.00e+00
AP3B1	0.00e+00	3.72e-01	0.741	0.59	0.00e+00
AP3B2	0.00e+00	6.61e-01	0.804	0.594	0.00e+00
AP3S1	0.00e+00	4.48e-01	0.834	0.653	0.00e+00
APBA1	0.00e+00	6.87e-01	0.953	0.853	0.00e+00
APBA2	0.00e+00	9.76e-01	0.891	0.688	0.00e+00
APBB2	0.00e+00	7.42e-01	0.963	0.836	0.00e+00
APC2	0.00e+00	3.47e-01	0.635	0.469	0.00e+00
APLF	0.00e+00	5.03e-01	0.429	0.208	0.00e+00
APOL2	0.00e+00	3.72e-01	0.366	0.141	0.00e+00
APP	0.00e+00	3.91e-01	0.985	0.943	0.00e+00
APTX	0.00e+00	5.38e-01	0.715	0.518	0.00e+00
AQP4-AS1	0.00e+00	8.34e-01	0.731	0.43	0.00e+00
ARF3	0.00e+00	2.59e-01	0.348	0.195	0.00e+00
ARFGEF1	0.00e+00	5.30e-01	0.924	0.829	0.00e+00
ARFGEF2	0.00e+00	5.07e-01	0.84	0.678	0.00e+00
ARFGEF3	0.00e+00	6.76e-01	0.962	0.845	0.00e+00
ARGLU1	0.00e+00	5.67e-01	0.951	0.9	0.00e+00
ARHGAP10	0.00e+00	6.55e-01	0.535	0.228	0.00e+00



ARHGAP12	0.00e+00	-5.89e-01	0.299	0.538	0.00e+00
ARHGAP17	0.00e+00	4.57e-01	0.682	0.51	0.00e+00
ARHGAP20	0.00e+00	4.21e-01	0.836	0.63	0.00e+00
ARHGAP21	0.00e+00	4.88e-01	0.955	0.887	0.00e+00
ARHGAP22	0.00e+00	6.99e-01	0.719	0.418	0.00e+00
ARHGAP26	0.00e+00	1.11e+00	0.988	0.862	0.00e+00
ARHGAP29	0.00e+00	5.21e-01	0.408	0.17	0.00e+00
ARHGAP32	0.00e+00	9.30e-01	0.982	0.893	0.00e+00
ARHGAP35	0.00e+00	5.44e-01	0.864	0.717	0.00e+00
ARHGAP39	0.00e+00	3.18e-01	0.509	0.352	0.00e+00
ARHGAP44	0.00e+00	9.90e-01	0.973	0.787	0.00e+00
ARHGAP5	0.00e+00	3.32e-01	0.851	0.739	0.00e+00
ARHGAP6	0.00e+00	5.20e-01	0.662	0.484	0.00e+00
ARHGEF11	0.00e+00	6.64e-01	0.867	0.716	0.00e+00
ARHGEF12	0.00e+00	5.74e-01	0.953	0.853	0.00e+00
ARHGEF18	0.00e+00	3.65e-01	0.447	0.255	0.00e+00
ARHGEF2	0.00e+00	3.40e-01	0.523	0.339	0.00e+00
ARHGEF28	0.00e+00	1.50e+00	0.847	0.379	0.00e+00
ARHGEF7	0.00e+00	6.15e-01	0.951	0.871	0.00e+00
ARHGEF9	0.00e+00	3.94e-01	0.892	0.78	0.00e+00
ARID1B	0.00e+00	3.74e-01	0.988	0.97	0.00e+00
ARID3A	0.00e+00	2.83e-01	0.341	0.181	0.00e+00
ARID3B	0.00e+00	3.26e-01	0.389	0.225	0.00e+00
ARID4A	0.00e+00	3.03e-01	0.874	0.774	0.00e+00
ARID4B	0.00e+00	4.39e-01	0.951	0.899	0.00e+00
ARID5B	0.00e+00	5.57e-01	0.858	0.627	0.00e+00

ARIH1	0.00e+00	4.11e-01	0.928	0.859	0.00e+00
ARL14EP	0.00e+00	3.65e-01	0.577	0.396	0.00e+00
ARL15	0.00e+00	9.87e-01	0.968	0.834	0.00e+00
ARL17B	0.00e+00	8.11e-01	0.639	0.586	0.00e+00
ARL4A	0.00e+00	2.84e-01	0.29	0.131	0.00e+00
ARMC2	0.00e+00	5.46e-01	0.882	0.687	0.00e+00
ARMC8	0.00e+00	3.32e-01	0.83	0.733	0.00e+00
ARMC9	0.00e+00	8.33e-01	0.873	0.631	0.00e+00
ARMCX5-GPRAS1	0.00e+00	5.43e-01	0.778	0.568	0.00e+00
ARMH1	0.00e+00	5.48e-01	0.565	0.33	0.00e+00
ARNT	0.00e+00	3.41e-01	0.704	0.556	0.00e+00
ARNT2	0.00e+00	7.58e-01	0.903	0.761	0.00e+00
ARNTL	0.00e+00	3.55e-01	0.544	0.37	0.00e+00
ARNTL2	0.00e+00	8.43e-01	0.742	0.379	0.00e+00
ARPC1A	0.00e+00	4.06e-01	0.606	0.394	0.00e+00
ARPC2	0.00e+00	3.30e-01	0.719	0.571	0.00e+00
ARPC5	0.00e+00	2.85e-01	0.506	0.353	0.00e+00
ARPP19	0.00e+00	6.60e-01	0.799	0.556	0.00e+00
ARPP21	0.00e+00	1.27e+00	0.986	0.673	0.00e+00
ARRB2	0.00e+00	2.86e-01	0.438	0.276	0.00e+00
ARRDC3-AS1	0.00e+00	4.76e-01	0.432	0.217	0.00e+00
ART3	0.00e+00	3.55e-01	0.246	0.058	0.00e+00
ARX	0.00e+00	-4.42e-01	0.007	0.194	0.00e+00
ASAH1	0.00e+00	2.92e-01	0.683	0.542	0.00e+00
ASB3	0.00e+00	4.35e-01	0.928	0.795	0.00e+00
ASB7	0.00e+00	3.63e-01	0.496	0.308	0.00e+00

ASCC1	0.00e+00	3.20e-01	0.661	0.518	0.00e+00
ASCC3	0.00e+00	5.10e-01	0.932	0.821	0.00e+00
ASH1L	0.00e+00	5.13e-01	0.971	0.937	0.00e+00
ASNS	0.00e+00	3.34e-01	0.651	0.481	0.00e+00
ASPHD1	0.00e+00	3.48e-01	0.597	0.406	0.00e+00
ASTN1	0.00e+00	6.91e-01	0.975	0.871	0.00e+00
ASXL2	0.00e+00	3.07e-01	0.762	0.628	0.00e+00
ASXL3	0.00e+00	8.71e-01	0.914	0.579	0.00e+00
ATCAY	0.00e+00	4.10e-01	0.821	0.651	0.00e+00
ATF1	0.00e+00	3.29e-01	0.551	0.384	0.00e+00
ATF2	0.00e+00	3.80e-01	0.821	0.688	0.00e+00
ATF7	0.00e+00	3.23e-01	0.586	0.407	0.00e+00
ATF7IP2	0.00e+00	1.03e+00	0.859	0.579	0.00e+00
ATG2B	0.00e+00	3.13e-01	0.793	0.663	0.00e+00
ATG4B	0.00e+00	3.77e-01	0.643	0.461	0.00e+00
ATG5	0.00e+00	5.37e-01	0.808	0.622	0.00e+00
ATG7	0.00e+00	6.34e-01	0.903	0.802	0.00e+00
ATL1	0.00e+00	4.52e-01	0.898	0.762	0.00e+00
ATP11B	0.00e+00	4.46e-01	0.802	0.646	0.00e+00
ATP11C	0.00e+00	-5.19e-01	0.135	0.329	0.00e+00
ATP1B3	0.00e+00	3.55e-01	0.819	0.651	0.00e+00
ATP2B1	0.00e+00	6.72e-01	0.983	0.865	0.00e+00
ATP2B1-AS1	0.00e+00	3.96e-01	0.433	0.208	0.00e+00
ATP2B4	0.00e+00	1.16e+00	0.96	0.679	0.00e+00
ATP2C1	0.00e+00	5.44e-01	0.928	0.806	0.00e+00
ATP6AP1L	0.00e+00	4.30e-01	0.664	0.513	0.00e+00

ATP6V0A1	0.00e+00	4.47e-01	0.914	0.802	0.00e+00
ATP6V1A	0.00e+00	5.81e-01	0.876	0.709	0.00e+00
ATP6V1C1	0.00e+00	3.97e-01	0.738	0.571	0.00e+00
ATP6V1E2	0.00e+00	3.23e-01	0.391	0.218	0.00e+00
ATP6V1G2	0.00e+00	2.57e-01	0.421	0.257	0.00e+00
ATP6V1H	0.00e+00	1.57e+00	0.962	0.75	0.00e+00
ATP7B	0.00e+00	4.10e-01	0.571	0.383	0.00e+00
ATP8A2	0.00e+00	1.02e+00	0.994	0.856	0.00e+00
ATP8B2	0.00e+00	3.64e-01	0.57	0.395	0.00e+00
ATP8B4	0.00e+00	4.17e-01	0.536	0.314	0.00e+00
ATP9A	0.00e+00	5.28e-01	0.934	0.811	0.00e+00
ATP9B	0.00e+00	8.00e-01	0.928	0.811	0.00e+00
ATPSCKMT	0.00e+00	3.92e-01	0.597	0.388	0.00e+00
ATR	0.00e+00	4.96e-01	0.876	0.726	0.00e+00
ATRN	0.00e+00	4.19e-01	0.869	0.754	0.00e+00
ATRNL1	0.00e+00	1.16e+00	0.993	0.86	0.00e+00
ATXN10	0.00e+00	4.95e-01	0.917	0.839	0.00e+00
ATXN2	0.00e+00	4.18e-01	0.946	0.886	0.00e+00
ATXN2L	0.00e+00	3.06e-01	0.589	0.434	0.00e+00
ATXN3	0.00e+00	5.10e-01	0.722	0.53	0.00e+00
ATXN7	0.00e+00	6.49e-01	0.833	0.6	0.00e+00
ATXN7L1	0.00e+00	4.69e-01	0.899	0.782	0.00e+00
AUH	0.00e+00	3.42e-01	0.854	0.736	0.00e+00
AUTS2	0.00e+00	6.48e-01	0.998	0.978	0.00e+00
AVIL	0.00e+00	3.62e-01	0.332	0.179	0.00e+00
AVL9	0.00e+00	4.69e-01	0.883	0.766	0.00e+00

AXIN1	0.00e+00	3.79e-01	0.468	0.276	0.00e+00
AZIN2	0.00e+00	3.13e-01	0.51	0.339	0.00e+00
B2M	0.00e+00	-4.67e-01	0.091	0.262	0.00e+00
B3GAT1	0.00e+00	1.03e+00	0.78	0.468	0.00e+00
B3GAT2	0.00e+00	-5.91e-01	0.256	0.417	0.00e+00
B3GLCT	0.00e+00	3.72e-01	0.591	0.363	0.00e+00
B3GNTL1	0.00e+00	3.02e-01	0.421	0.251	0.00e+00
B4GALNT1	0.00e+00	4.22e-01	0.575	0.348	0.00e+00
B4GALNT3	0.00e+00	1.06e+00	0.687	0.271	0.00e+00
B4GALNT4	0.00e+00	3.32e-01	0.638	0.465	0.00e+00
B4GALT5	0.00e+00	4.48e-01	0.775	0.602	0.00e+00
B4GALT6	0.00e+00	2.90e-01	0.709	0.542	0.00e+00
B9D1	0.00e+00	3.25e-01	0.539	0.368	0.00e+00
BABAM2	0.00e+00	5.89e-01	0.952	0.864	0.00e+00
BAIAP2	0.00e+00	9.65e-01	0.804	0.505	0.00e+00
BAIAP3	0.00e+00	4.26e-01	0.77	0.526	0.00e+00
BANP	0.00e+00	4.37e-01	0.555	0.381	0.00e+00
BASP1	0.00e+00	6.41e-01	0.957	0.762	0.00e+00
BASP1-AS1	0.00e+00	1.03e+00	0.877	0.483	0.00e+00
BBOX1-AS1	0.00e+00	3.91e-01	0.306	0.135	0.00e+00
BBS1	0.00e+00	3.20e-01	0.511	0.334	0.00e+00
BBS5	0.00e+00	3.53e-01	0.571	0.383	0.00e+00
BCAP29	0.00e+00	4.07e-01	0.756	0.567	0.00e+00
BCAR1	0.00e+00	2.80e-01	0.447	0.298	0.00e+00
BCAS3	0.00e+00	4.31e-01	0.963	0.912	0.00e+00
BCKDHB	0.00e+00	3.13e-01	0.833	0.719	0.00e+00

BCL11B	0.00e+00	5.29e-01	0.853	0.65	0.00e+00
BCL2	0.00e+00	6.41e-01	0.771	0.535	0.00e+00
BCL2L13	0.00e+00	3.77e-01	0.688	0.53	0.00e+00
BCO1	0.00e+00	4.03e-01	0.391	0.197	0.00e+00
BCR	0.00e+00	5.13e-01	0.637	0.463	0.00e+00
BDNF	0.00e+00	9.31e-01	0.415	0.086	0.00e+00
BDP1	0.00e+00	6.10e-01	0.929	0.805	0.00e+00
BEGAIN	0.00e+00	5.27e-01	0.507	0.298	0.00e+00
BEND6	0.00e+00	3.73e-01	0.77	0.593	0.00e+00
BHLHE22	0.00e+00	3.05e-01	0.206	0.02	0.00e+00
BHLHE40	0.00e+00	2.98e-01	0.33	0.144	0.00e+00
BHLHE40-AS1	0.00e+00	3.02e-01	0.266	0.122	0.00e+00
BICC1	0.00e+00	5.45e-01	0.694	0.43	0.00e+00
BICD1	0.00e+00	4.50e-01	0.95	0.858	0.00e+00
BICD2	0.00e+00	3.66e-01	0.46	0.277	0.00e+00
BICDL1	0.00e+00	8.35e-01	0.915	0.673	0.00e+00
BIN1	0.00e+00	6.12e-01	0.794	0.597	0.00e+00
BIN3	0.00e+00	4.57e-01	0.52	0.288	0.00e+00
BIRC6	0.00e+00	4.53e-01	0.964	0.936	0.00e+00
BIVM	0.00e+00	4.73e-01	0.764	0.565	0.00e+00
BLOC1S6	0.00e+00	2.59e-01	0.522	0.364	0.00e+00
BMERB1	0.00e+00	9.94e-01	0.871	0.596	0.00e+00
BMPR1B	0.00e+00	8.18e-01	0.347	0.094	0.00e+00
BMPR2	0.00e+00	6.29e-01	0.967	0.883	0.00e+00
BMS1P1	0.00e+00	4.13e-01	0.568	0.35	0.00e+00
BMT2	0.00e+00	4.80e-01	0.822	0.65	0.00e+00

BNIP3L	0.00e+00	7.88e-01	0.816	0.615	0.00e+00
BRAF	0.00e+00	4.20e-01	0.961	0.914	0.00e+00
BRD1	0.00e+00	3.47e-01	0.63	0.471	0.00e+00
BRD4	0.00e+00	4.68e-01	0.791	0.643	0.00e+00
BRINP1	0.00e+00	1.20e+00	0.949	0.703	0.00e+00
BRINP2	0.00e+00	1.23e+00	0.891	0.578	0.00e+00
BRINP3	0.00e+00	4.13e-01	0.886	0.625	0.00e+00
BRSK1	0.00e+00	4.69e-01	0.651	0.456	0.00e+00
BRSK2	0.00e+00	4.95e-01	0.706	0.487	0.00e+00
BRWD1	0.00e+00	4.16e-01	0.964	0.905	0.00e+00
BSDC1	0.00e+00	3.23e-01	0.598	0.459	0.00e+00
BSN	0.00e+00	9.16e-01	0.834	0.561	0.00e+00
BTAF1	0.00e+00	3.78e-01	0.824	0.687	0.00e+00
BTBD10	0.00e+00	4.77e-01	0.869	0.714	0.00e+00
BTBD11	0.00e+00	-9.88e-01	0.109	0.341	0.00e+00
BTBD3	0.00e+00	3.39e-01	0.693	0.511	0.00e+00
BTBD7	0.00e+00	3.83e-01	0.81	0.692	0.00e+00
BTBD9	0.00e+00	7.62e-01	0.989	0.916	0.00e+00
BTNL9	0.00e+00	4.18e-01	0.15	0.032	0.00e+00
BTRC	0.00e+00	4.95e-01	0.934	0.856	0.00e+00
BZW2	0.00e+00	2.73e-01	0.551	0.393	0.00e+00
C10orf67	0.00e+00	3.50e-01	0.353	0.174	0.00e+00
C11orf49	0.00e+00	5.71e-01	0.923	0.802	0.00e+00
C11orf80	0.00e+00	8.95e-01	0.944	0.712	0.00e+00
C11orf87	0.00e+00	5.11e-01	0.617	0.387	0.00e+00
C12orf4	0.00e+00	3.18e-01	0.633	0.47	0.00e+00

C14orf132	0.00e+00	5.72e-01	0.594	0.311	0.00e+00
C16orf87	0.00e+00	3.43e-01	0.55	0.369	0.00e+00
C16orf95	0.00e+00	4.26e-01	0.462	0.27	0.00e+00
C18orf25	0.00e+00	3.41e-01	0.681	0.511	0.00e+00
C19orf12	0.00e+00	5.38e-01	0.632	0.393	0.00e+00
C1QL1	0.00e+00	-3.43e-01	0.014	0.108	0.00e+00
C1QL3	0.00e+00	6.93e-01	0.385	0.05	0.00e+00
C1orf115	0.00e+00	2.99e-01	0.321	0.131	0.00e+00
C1orf159	0.00e+00	6.18e-01	0.687	0.431	0.00e+00
C1orf21	0.00e+00	5.45e-01	0.889	0.744	0.00e+00
C1orf216	0.00e+00	2.58e-01	0.351	0.188	0.00e+00
C20orf194	0.00e+00	6.38e-01	0.956	0.894	0.00e+00
C22orf24	0.00e+00	2.54e-01	0.172	0.037	0.00e+00
C2CD2	0.00e+00	3.95e-01	0.502	0.347	0.00e+00
C2CD2L	0.00e+00	3.19e-01	0.468	0.292	0.00e+00
C2CD3	0.00e+00	3.35e-01	0.688	0.535	0.00e+00
C2CD5	0.00e+00	4.74e-01	0.946	0.86	0.00e+00
C2orf27A	0.00e+00	4.31e-01	0.537	0.302	0.00e+00
C2orf80	0.00e+00	5.45e-01	0.605	0.332	0.00e+00
C3orf70	0.00e+00	4.10e-01	0.489	0.292	0.00e+00
C4orf47	0.00e+00	3.50e-01	0.605	0.421	0.00e+00
C4orf50	0.00e+00	6.18e-01	0.722	0.473	0.00e+00
C5AR1	0.00e+00	2.85e-01	0.228	0.075	0.00e+00
C5orf17	0.00e+00	9.28e-01	0.332	0.203	0.00e+00
C6orf62	0.00e+00	3.85e-01	0.748	0.585	0.00e+00
C7orf50	0.00e+00	3.70e-01	0.661	0.486	0.00e+00



C8orf34	0.00e+00	8.37e-01	0.907	0.645	0.00e+00
C8orf44	0.00e+00	5.50e-01	0.717	0.477	0.00e+00
C9orf16	0.00e+00	3.79e-01	0.496	0.302	0.00e+00
CA10	0.00e+00	2.04e+00	0.922	0.31	0.00e+00
CA11	0.00e+00	6.47e-01	0.685	0.383	0.00e+00
CA8	0.00e+00	-6.77e-01	0.077	0.207	0.00e+00
CAB39	0.00e+00	4.00e-01	0.787	0.655	0.00e+00
CAB39L	0.00e+00	4.02e-01	0.625	0.446	0.00e+00
CABCOCO1	0.00e+00	3.57e-01	0.376	0.193	0.00e+00
CABIN1	0.00e+00	4.38e-01	0.774	0.606	0.00e+00
CABP1	0.00e+00	9.86e-01	0.848	0.508	0.00e+00
CACHD1	0.00e+00	1.00e+00	0.837	0.488	0.00e+00
CACNA1A	0.00e+00	1.12e+00	0.987	0.845	0.00e+00
CACNA1B	0.00e+00	9.91e-01	0.995	0.844	0.00e+00
CACNA1C	0.00e+00	1.26e+00	0.998	0.884	0.00e+00
CACNA1D	0.00e+00	6.94e-01	0.975	0.838	0.00e+00
CACNA1E	0.00e+00	9.84e-01	0.977	0.823	0.00e+00
CACNA1H	0.00e+00	5.09e-01	0.418	0.154	0.00e+00
CACNA1I	0.00e+00	7.75e-01	0.604	0.247	0.00e+00
CACNA2D1	0.00e+00	1.14e+00	0.988	0.799	0.00e+00
CACNA2D2	0.00e+00	-5.38e-01	0.089	0.315	0.00e+00
CACNB2	0.00e+00	8.33e-01	0.991	0.861	0.00e+00
CACNB3	0.00e+00	3.72e-01	0.436	0.223	0.00e+00
CACNG3	0.00e+00	1.05e+00	0.89	0.612	0.00e+00
CACNG7	0.00e+00	3.30e-01	0.613	0.46	0.00e+00
CACNG8	0.00e+00	7.79e-01	0.862	0.641	0.00e+00

CACUL1	0.00e+00	4.75e-01	0.815	0.656	0.00e+00
CADM1	0.00e+00	6.99e-01	0.992	0.939	0.00e+00
CADM2	0.00e+00	1.00e+00	0.999	0.962	0.00e+00
CADM3	0.00e+00	2.96e-01	0.69	0.537	0.00e+00
CADM4	0.00e+00	-2.92e-01	0.12	0.286	0.00e+00
CADPS	0.00e+00	1.09e+00	0.997	0.881	0.00e+00
CADPS2	0.00e+00	7.80e-01	0.703	0.348	0.00e+00
CALCOCO2	0.00e+00	2.75e-01	0.541	0.387	0.00e+00
CALM1	0.00e+00	3.15e-01	0.947	0.888	0.00e+00
CALM3	0.00e+00	2.92e-01	0.818	0.663	0.00e+00
CALN1	0.00e+00	7.34e-01	0.93	0.729	0.00e+00
CAMK1	0.00e+00	5.73e-01	0.618	0.345	0.00e+00
CAMK1D	0.00e+00	1.71e+00	0.99	0.824	0.00e+00
CAMK2A	0.00e+00	1.45e+00	0.96	0.677	0.00e+00
CAMK2B	0.00e+00	7.45e-01	0.939	0.777	0.00e+00
CAMK2D	0.00e+00	1.16e+00	0.988	0.855	0.00e+00
CAMK2G	0.00e+00	2.99e-01	0.769	0.631	0.00e+00
CAMK2N1	0.00e+00	1.12e+00	0.924	0.69	0.00e+00
CAMK4	0.00e+00	8.96e-01	0.955	0.755	0.00e+00
CAMKK1	0.00e+00	8.31e-01	0.749	0.441	0.00e+00
CAMKK2	0.00e+00	9.09e-01	0.743	0.368	0.00e+00
CAMSAP1	0.00e+00	5.18e-01	0.737	0.54	0.00e+00
CAMSAP2	0.00e+00	4.02e-01	0.946	0.876	0.00e+00
CAMTA1	0.00e+00	4.61e-01	0.988	0.948	0.00e+00
CAMTA2	0.00e+00	3.00e-01	0.474	0.308	0.00e+00
CAP1	0.00e+00	3.39e-01	0.489	0.307	0.00e+00

CAP2	0.00e+00	7.88e-01	0.916	0.706	0.00e+00
CAPN8	0.00e+00	2.85e-01	0.137	0.036	0.00e+00
CAPS2	0.00e+00	8.52e-01	0.825	0.547	0.00e+00
CAPZA2	0.00e+00	3.55e-01	0.747	0.598	0.00e+00
CAPZB	0.00e+00	4.24e-01	0.804	0.678	0.00e+00
CARM1	0.00e+00	2.99e-01	0.482	0.33	0.00e+00
CARM1P1	0.00e+00	1.17e+00	0.35	0.059	0.00e+00
CARNMT1	0.00e+00	6.11e-01	0.74	0.487	0.00e+00
CARS2	0.00e+00	3.05e-01	0.622	0.475	0.00e+00
CASC15	0.00e+00	4.93e-01	0.757	0.568	0.00e+00
CASC2	0.00e+00	3.37e-01	0.602	0.429	0.00e+00
CASK	0.00e+00	7.36e-01	0.944	0.827	0.00e+00
CASP8AP2	0.00e+00	3.11e-01	0.6	0.451	0.00e+00
CATSPER2	0.00e+00	5.49e-01	0.858	0.681	0.00e+00
CATSPERE	0.00e+00	4.18e-01	0.491	0.305	0.00e+00
CBARP	0.00e+00	2.52e-01	0.419	0.266	0.00e+00
CBFA2T2	0.00e+00	7.20e-01	0.938	0.828	0.00e+00
CBL	0.00e+00	4.23e-01	0.705	0.53	0.00e+00
CBLN4	0.00e+00	5.00e-01	0.345	0.11	0.00e+00
CBR4	0.00e+00	4.21e-01	0.831	0.714	0.00e+00
CBX6	0.00e+00	3.00e-01	0.619	0.461	0.00e+00
CC2D1A	0.00e+00	6.05e-01	0.751	0.527	0.00e+00
CCBE1	0.00e+00	9.36e-01	0.539	0.226	0.00e+00
CCDC102B	0.00e+00	4.72e-01	0.671	0.469	0.00e+00
CCDC112	0.00e+00	3.98e-01	0.598	0.418	0.00e+00
CCDC138	0.00e+00	5.56e-01	0.766	0.553	0.00e+00

CCDC144A	0.00e+00	7.20e-01	0.644	0.385	0.00e+00
CCDC144B	0.00e+00	3.35e-01	0.42	0.262	0.00e+00
CCDC144NL	0.00e+00	4.54e-01	0.371	0.15	0.00e+00
CCDC144NL-AS1	0.00e+00	9.12e-01	0.584	0.25	0.00e+00
CCDC148	0.00e+00	4.63e-01	0.744	0.537	0.00e+00
CCDC158	0.00e+00	2.69e-01	0.207	0.064	0.00e+00
CCDC162P	0.00e+00	5.29e-01	0.494	0.245	0.00e+00
CCDC171	0.00e+00	7.77e-01	0.919	0.737	0.00e+00
CCDC18	0.00e+00	3.14e-01	0.451	0.283	0.00e+00
CCDC18-AS1	0.00e+00	4.16e-01	0.815	0.631	0.00e+00
CCDC191	0.00e+00	3.42e-01	0.67	0.489	0.00e+00
CCDC192	0.00e+00	2.67e-01	0.286	0.158	0.00e+00
CCDC24	0.00e+00	4.34e-01	0.534	0.293	0.00e+00
CCDC3	0.00e+00	1.51e+00	0.909	0.574	0.00e+00
CCDC30	0.00e+00	5.72e-01	0.882	0.681	0.00e+00
CCDC34	0.00e+00	3.90e-01	0.447	0.236	0.00e+00
CCDC57	0.00e+00	5.35e-01	0.825	0.657	0.00e+00
CCDC59	0.00e+00	5.12e-01	0.607	0.39	0.00e+00
CCDC6	0.00e+00	8.35e-01	0.883	0.684	0.00e+00
CCDC62	0.00e+00	4.55e-01	0.453	0.229	0.00e+00
CCDC65	0.00e+00	4.90e-01	0.611	0.412	0.00e+00
CCDC66	0.00e+00	3.57e-01	0.853	0.737	0.00e+00
CCDC85A	0.00e+00	4.29e-01	0.811	0.546	0.00e+00
CCDC88A	0.00e+00	5.30e-01	0.974	0.934	0.00e+00
CCDC92	0.00e+00	8.60e-01	0.902	0.737	0.00e+00
CCDC93	0.00e+00	3.67e-01	0.736	0.582	0.00e+00

CCHCR1	0.00e+00	2.56e-01	0.287	0.133	0.00e+00
CCKBR	0.00e+00	3.63e-01	0.331	0.126	0.00e+00
CCND2-AS1	0.00e+00	2.95e-01	0.366	0.196	0.00e+00
CCNF	0.00e+00	2.60e-01	0.288	0.141	0.00e+00
CCNL2	0.00e+00	3.15e-01	0.654	0.517	0.00e+00
CCNT2	0.00e+00	2.97e-01	0.8	0.675	0.00e+00
CCNT2-AS1	0.00e+00	6.04e-01	0.57	0.321	0.00e+00
CCNY	0.00e+00	5.61e-01	0.942	0.858	0.00e+00
CCNYL1	0.00e+00	2.51e-01	0.49	0.33	0.00e+00
CCP110	0.00e+00	3.30e-01	0.671	0.509	0.00e+00
CCPG1	0.00e+00	6.17e-01	0.972	0.849	0.00e+00
CCSAP	0.00e+00	3.41e-01	0.669	0.503	0.00e+00
CCSER2	0.00e+00	4.98e-01	0.917	0.829	0.00e+00
CD276	0.00e+00	4.33e-01	0.545	0.317	0.00e+00
CD47	0.00e+00	3.80e-01	0.911	0.79	0.00e+00
CDC123	0.00e+00	3.58e-01	0.641	0.476	0.00e+00
CDC27	0.00e+00	4.67e-01	0.888	0.767	0.00e+00
CDC40	0.00e+00	5.56e-01	0.765	0.553	0.00e+00
CDC42BPA	0.00e+00	5.14e-01	0.984	0.949	0.00e+00
CDC42BPB	0.00e+00	4.15e-01	0.743	0.606	0.00e+00
CDC42SE2	0.00e+00	5.69e-01	0.901	0.762	0.00e+00
CDH10	0.00e+00	4.41e-01	0.894	0.687	0.00e+00
CDH13	0.00e+00	1.18e+00	0.765	0.398	0.00e+00
CDH18	0.00e+00	7.64e-01	0.961	0.761	0.00e+00
CDH2	0.00e+00	6.47e-01	0.965	0.834	0.00e+00
CDH22	0.00e+00	1.49e+00	0.716	0.296	0.00e+00

CDH4	0.00e+00	9.93e-01	0.883	0.67	0.00e+00
CDH8	0.00e+00	1.21e+00	0.934	0.652	0.00e+00
CDH9	0.00e+00	2.11e+00	0.912	0.522	0.00e+00
CDHR3	0.00e+00	4.60e-01	0.704	0.486	0.00e+00
CDK10	0.00e+00	3.50e-01	0.618	0.422	0.00e+00
CDK12	0.00e+00	3.82e-01	0.779	0.64	0.00e+00
CDK13	0.00e+00	4.72e-01	0.951	0.893	0.00e+00
CDK14	0.00e+00	7.83e-01	0.976	0.857	0.00e+00
CDK19	0.00e+00	4.53e-01	0.869	0.715	0.00e+00
CDK5RAP1	0.00e+00	5.86e-01	0.682	0.441	0.00e+00
CDK6	0.00e+00	5.70e-01	0.745	0.434	0.00e+00
CDK7	0.00e+00	2.89e-01	0.474	0.316	0.00e+00
CDK8	0.00e+00	3.93e-01	0.856	0.755	0.00e+00
CDK9	0.00e+00	3.54e-01	0.51	0.323	0.00e+00
CDKAL1	0.00e+00	4.14e-01	0.938	0.868	0.00e+00
CDKL1	0.00e+00	4.92e-01	0.638	0.449	0.00e+00
CDKL2	0.00e+00	2.98e-01	0.666	0.499	0.00e+00
CDKL5	0.00e+00	4.97e-01	0.859	0.758	0.00e+00
CDON	0.00e+00	3.30e-01	0.695	0.501	0.00e+00
CDYL2	0.00e+00	5.25e-01	0.648	0.378	0.00e+00
CECR2	0.00e+00	-4.63e-01	0.056	0.176	0.00e+00
CELF1	0.00e+00	7.99e-01	0.952	0.837	0.00e+00
CELF2	0.00e+00	1.18e+00	1.0	0.937	0.00e+00
CELF2-AS2	0.00e+00	4.17e-01	0.457	0.312	0.00e+00
CELF2-DT	0.00e+00	4.23e-01	0.34	0.136	0.00e+00
CELF4	0.00e+00	7.12e-01	0.979	0.822	0.00e+00

CELF5	0.00e+00	8.17e-01	0.957	0.772	0.00e+00
CELSR2	0.00e+00	3.39e-01	0.514	0.353	0.00e+00
CEMIP2	0.00e+00	1.62e+00	0.803	0.272	0.00e+00
CENPJ	0.00e+00	3.30e-01	0.408	0.245	0.00e+00
CENPP	0.00e+00	6.54e-01	0.856	0.649	0.00e+00
CENPT	0.00e+00	3.27e-01	0.433	0.242	0.00e+00
CEP112	0.00e+00	4.43e-01	0.886	0.697	0.00e+00
CEP192	0.00e+00	4.02e-01	0.836	0.723	0.00e+00
CEP290	0.00e+00	3.87e-01	0.847	0.726	0.00e+00
CEP295	0.00e+00	4.85e-01	0.744	0.541	0.00e+00
CEP43	0.00e+00	8.09e-01	0.833	0.577	0.00e+00
CEP78	0.00e+00	3.83e-01	0.681	0.5	0.00e+00
CEP83	0.00e+00	6.14e-01	0.775	0.529	0.00e+00
CEP85L	0.00e+00	4.02e-01	0.875	0.782	0.00e+00
CEP89	0.00e+00	4.93e-01	0.614	0.397	0.00e+00
CERS1	0.00e+00	4.79e-01	0.676	0.458	0.00e+00
CERS4	0.00e+00	6.61e-01	0.756	0.588	0.00e+00
CERS6	0.00e+00	6.65e-01	0.965	0.863	0.00e+00
CERT1	0.00e+00	2.98e-01	0.817	0.668	0.00e+00
CES4A	0.00e+00	6.44e-01	0.716	0.44	0.00e+00
CFAP20DC	0.00e+00	3.64e-01	0.378	0.177	0.00e+00
CFAP20DC-AS1	0.00e+00	1.14e+00	0.672	0.246	0.00e+00
CFAP221	0.00e+00	6.26e-01	0.751	0.479	0.00e+00
CFAP298	0.00e+00	4.16e-01	0.596	0.376	0.00e+00
CFAP36	0.00e+00	4.66e-01	0.753	0.564	0.00e+00
CFAP43	0.00e+00	4.40e-01	0.603	0.393	0.00e+00

CFAP44	0.00e+00	8.04e-01	0.777	0.443	0.00e+00
CFAP46	0.00e+00	3.58e-01	0.532	0.363	0.00e+00
CFAP61	0.00e+00	2.85e-01	0.554	0.391	0.00e+00
CFAP69	0.00e+00	2.63e-01	0.648	0.487	0.00e+00
CFAP70	0.00e+00	7.42e-01	0.706	0.458	0.00e+00
CFAP92	0.00e+00	4.59e-01	0.465	0.234	0.00e+00
CHCHD3	0.00e+00	5.76e-01	0.932	0.839	0.00e+00
CHCHD6	0.00e+00	5.50e-01	0.786	0.591	0.00e+00
CHD2	0.00e+00	5.85e-01	0.929	0.823	0.00e+00
CHD3	0.00e+00	4.99e-01	0.704	0.503	0.00e+00
CHD5	0.00e+00	8.23e-01	0.867	0.555	0.00e+00
CHD6	0.00e+00	4.18e-01	0.927	0.85	0.00e+00
CHD7	0.00e+00	-7.69e-01	0.026	0.213	0.00e+00
CHD8	0.00e+00	3.72e-01	0.745	0.609	0.00e+00
CHFR	0.00e+00	4.32e-01	0.745	0.577	0.00e+00
CHGB	0.00e+00	3.50e-01	0.525	0.345	0.00e+00
CHIC1	0.00e+00	3.19e-01	0.76	0.631	0.00e+00
CHKB	0.00e+00	2.88e-01	0.509	0.339	0.00e+00
CHL1	0.00e+00	2.69e-01	0.951	0.84	0.00e+00
CHM	0.00e+00	2.95e-01	0.86	0.749	0.00e+00
CHMP3	0.00e+00	3.85e-01	0.592	0.393	0.00e+00
CHN1	0.00e+00	1.23e+00	0.98	0.77	0.00e+00
CHN2	0.00e+00	1.56e+00	0.775	0.437	0.00e+00
CHRD	0.00e+00	4.52e-01	0.409	0.164	0.00e+00
CHRM3	0.00e+00	7.39e-01	0.862	0.509	0.00e+00
CHST1	0.00e+00	3.72e-01	0.534	0.277	0.00e+00



CHST15	0.00e+00	4.82e-01	0.539	0.327	0.00e+00
CHST8	0.00e+00	4.22e-01	0.294	0.109	0.00e+00
CHSY1	0.00e+00	6.66e-01	0.71	0.469	0.00e+00
CHSY3	0.00e+00	9.94e-01	0.983	0.726	0.00e+00
CIAO1	0.00e+00	4.03e-01	0.655	0.471	0.00e+00
CIBAR1	0.00e+00	2.89e-01	0.572	0.414	0.00e+00
CIT	0.00e+00	6.08e-01	0.923	0.734	0.00e+00
CKAP5	0.00e+00	3.21e-01	0.761	0.615	0.00e+00
CKMT1B	0.00e+00	3.47e-01	0.553	0.343	0.00e+00
CKMT2	0.00e+00	4.79e-01	0.355	0.159	0.00e+00
CLASP1	0.00e+00	6.94e-01	0.977	0.925	0.00e+00
CLASP2	0.00e+00	4.04e-01	0.982	0.966	0.00e+00
CLASRP	0.00e+00	4.05e-01	0.634	0.464	0.00e+00
CLCN7	0.00e+00	3.48e-01	0.54	0.355	0.00e+00
CLEC16A	0.00e+00	5.83e-01	0.873	0.736	0.00e+00
CLEC2L	0.00e+00	5.68e-01	0.599	0.346	0.00e+00
CLHC1	0.00e+00	3.48e-01	0.573	0.393	0.00e+00
CLIC4	0.00e+00	-3.92e-01	0.022	0.152	0.00e+00
CLINT1	0.00e+00	3.41e-01	0.656	0.501	0.00e+00
CLIP1	0.00e+00	5.21e-01	0.892	0.758	0.00e+00
CLIP2	0.00e+00	4.40e-01	0.785	0.64	0.00e+00
CLIP4	0.00e+00	4.25e-01	0.861	0.766	0.00e+00
CLK4	0.00e+00	4.26e-01	0.677	0.472	0.00e+00
CLMN	0.00e+00	3.65e-01	0.467	0.231	0.00e+00
CLNS1A	0.00e+00	3.90e-01	0.762	0.623	0.00e+00
CLOCK	0.00e+00	3.28e-01	0.847	0.73	0.00e+00

CLSTN1	0.00e+00	4.93e-01	0.879	0.739	0.00e+00
CLSTN2	0.00e+00	1.35e+00	0.924	0.552	0.00e+00
CLSTN3	0.00e+00	4.60e-01	0.781	0.559	0.00e+00
CLTA	0.00e+00	3.93e-01	0.728	0.572	0.00e+00
CLTC	0.00e+00	3.12e-01	0.868	0.772	0.00e+00
CLUAP1	0.00e+00	3.02e-01	0.541	0.391	0.00e+00
CLVS1	0.00e+00	3.94e-01	0.87	0.717	0.00e+00
CMAS	0.00e+00	3.30e-01	0.62	0.433	0.00e+00
CMC2	0.00e+00	4.36e-01	0.802	0.617	0.00e+00
CMIP	0.00e+00	6.59e-01	0.937	0.823	0.00e+00
CMSS1	0.00e+00	5.30e-01	0.926	0.8	0.00e+00
CMTM4	0.00e+00	5.87e-01	0.767	0.536	0.00e+00
CNBD1	0.00e+00	3.11e-01	0.163	0.055	0.00e+00
CNGB1	0.00e+00	9.86e-01	0.471	0.234	0.00e+00
CNIH3	0.00e+00	8.96e-01	0.842	0.617	0.00e+00
CNKSR2	0.00e+00	1.43e+00	0.986	0.793	0.00e+00
CNNM2	0.00e+00	3.56e-01	0.895	0.8	0.00e+00
CNOT10	0.00e+00	3.28e-01	0.673	0.523	0.00e+00
CNOT4	0.00e+00	4.13e-01	0.883	0.779	0.00e+00
CNRIP1	0.00e+00	3.53e-01	0.69	0.515	0.00e+00
CNTN1	0.00e+00	9.31e-01	0.996	0.911	0.00e+00
CNTN3	0.00e+00	1.62e+00	0.969	0.617	0.00e+00
CNTN4	0.00e+00	1.30e+00	0.962	0.702	0.00e+00
CNTN5	0.00e+00	1.58e+00	0.991	0.742	0.00e+00
CNTN6	0.00e+00	9.82e-01	0.616	0.261	0.00e+00
CNTNAP1	0.00e+00	3.56e-01	0.582	0.377	0.00e+00

CNTNAP2	0.00e+00	1.19e+00	1.0	0.93	0.00e+00
CNTNAP3	0.00e+00	-5.45e-01	0.097	0.259	0.00e+00
CNTNAP5	0.00e+00	5.54e-01	0.978	0.775	0.00e+00
COA6	0.00e+00	3.29e-01	0.427	0.248	0.00e+00
COBL	0.00e+00	5.36e-01	0.875	0.635	0.00e+00
COBLL1	0.00e+00	9.91e-01	0.259	0.091	0.00e+00
COG1	0.00e+00	5.04e-01	0.633	0.391	0.00e+00
COG2	0.00e+00	2.85e-01	0.443	0.291	0.00e+00
COG5	0.00e+00	3.76e-01	0.905	0.812	0.00e+00
COG6	0.00e+00	7.14e-01	0.892	0.717	0.00e+00
COL11A1	0.00e+00	-7.23e-01	0.203	0.377	0.00e+00
COL18A1	0.00e+00	2.68e-01	0.346	0.201	0.00e+00
COL19A1	0.00e+00	4.07e-01	0.628	0.38	0.00e+00
COL23A1	0.00e+00	4.88e-01	0.382	0.133	0.00e+00
COL24A1	0.00e+00	7.44e-01	0.38	0.178	0.00e+00
COL25A1	0.00e+00	1.18e+00	0.711	0.485	0.00e+00
COL26A1	0.00e+00	1.12e+00	0.576	0.316	0.00e+00
COL4A1	0.00e+00	5.45e-01	0.491	0.24	0.00e+00
COL4A2	0.00e+00	8.57e-01	0.619	0.297	0.00e+00
COL5A3	0.00e+00	4.95e-01	0.393	0.109	0.00e+00
COL6A1	0.00e+00	5.42e-01	0.41	0.229	0.00e+00
COLQ	0.00e+00	4.97e-01	0.715	0.534	0.00e+00
COMMD1	0.00e+00	3.37e-01	0.876	0.777	0.00e+00
COP1	0.00e+00	7.12e-01	0.959	0.885	0.00e+00
COPA	0.00e+00	3.45e-01	0.797	0.673	0.00e+00
COQ4	0.00e+00	3.59e-01	0.673	0.501	0.00e+00

COQ8A	0.00e+00	3.97e-01	0.577	0.382	0.00e+00
CORO7	0.00e+00	2.91e-01	0.349	0.183	0.00e+00
COX10-AS1	0.00e+00	5.59e-01	0.774	0.546	0.00e+00
COX16	0.00e+00	3.53e-01	0.554	0.367	0.00e+00
COX7A2L	0.00e+00	1.15e+00	0.826	0.505	0.00e+00
CPD	0.00e+00	4.46e-01	0.777	0.618	0.00e+00
CPE	0.00e+00	4.56e-01	0.942	0.764	0.00e+00
CPEB2-DT	0.00e+00	3.60e-01	0.465	0.299	0.00e+00
CPEB3	0.00e+00	4.94e-01	0.963	0.891	0.00e+00
CPEB4	0.00e+00	7.48e-01	0.959	0.868	0.00e+00
CPLANE1	0.00e+00	3.23e-01	0.93	0.85	0.00e+00
CPLX2	0.00e+00	8.27e-01	0.792	0.528	0.00e+00
CPNE1	0.00e+00	3.63e-01	0.608	0.419	0.00e+00
CPNE4	0.00e+00	9.76e-01	0.766	0.471	0.00e+00
CPNE6	0.00e+00	3.24e-01	0.454	0.272	0.00e+00
CPNE8	0.00e+00	6.57e-01	0.629	0.418	0.00e+00
CPT1C	0.00e+00	4.48e-01	0.671	0.484	0.00e+00
CPVL	0.00e+00	5.55e-01	0.451	0.19	0.00e+00
CRACDL	0.00e+00	1.46e+00	0.919	0.472	0.00e+00
CRB1	0.00e+00	3.36e-01	0.678	0.502	0.00e+00
CRBN	0.00e+00	3.66e-01	0.757	0.611	0.00e+00
CRCP	0.00e+00	2.80e-01	0.477	0.324	0.00e+00
CREB1	0.00e+00	3.68e-01	0.733	0.601	0.00e+00
CREBZF	0.00e+00	3.23e-01	0.7	0.565	0.00e+00
CREG2	0.00e+00	8.75e-01	0.785	0.457	0.00e+00
CREM	0.00e+00	3.50e-01	0.648	0.494	0.00e+00

CRHR1	0.00e+00	8.79e-01	0.562	0.177	0.00e+00
CRIP2	0.00e+00	3.10e-01	0.5	0.306	0.00e+00
CRLF1	0.00e+00	4.43e-01	0.463	0.243	0.00e+00
CRLS1	0.00e+00	2.97e-01	0.629	0.474	0.00e+00
CRMP1	0.00e+00	5.80e-01	0.815	0.611	0.00e+00
CROCC	0.00e+00	3.42e-01	0.561	0.398	0.00e+00
CROCCP2	0.00e+00	3.60e-01	0.525	0.333	0.00e+00
CROCCP3	0.00e+00	5.85e-01	0.665	0.438	0.00e+00
CROT	0.00e+00	3.28e-01	0.475	0.308	0.00e+00
CRPPA	0.00e+00	5.44e-01	0.761	0.529	0.00e+00
CRTAC1	0.00e+00	-5.18e-01	0.064	0.255	0.00e+00
CRTC1	0.00e+00	7.28e-01	0.767	0.553	0.00e+00
CRY2	0.00e+00	3.00e-01	0.618	0.462	0.00e+00
CRYM	0.00e+00	5.49e-01	0.596	0.253	0.00e+00
CRYZL2P	0.00e+00	2.94e-01	0.335	0.162	0.00e+00
CSAD	0.00e+00	7.62e-01	0.829	0.572	0.00e+00
CSGALNACT1	0.00e+00	6.70e-01	0.729	0.525	0.00e+00
CSGALNACT2	0.00e+00	3.38e-01	0.685	0.552	0.00e+00
CSMD1	0.00e+00	1.25e+00	1.0	0.903	0.00e+00
CSMD2	0.00e+00	5.59e-01	0.942	0.813	0.00e+00
CSMD3	0.00e+00	1.11e+00	0.999	0.908	0.00e+00
CSNK1A1	0.00e+00	3.63e-01	0.919	0.863	0.00e+00
CSNK1D	0.00e+00	3.44e-01	0.587	0.418	0.00e+00
CSNK1E	0.00e+00	3.29e-01	0.632	0.476	0.00e+00
CSNK1G1	0.00e+00	6.17e-01	0.751	0.509	0.00e+00
CSNK2A1	0.00e+00	4.56e-01	0.798	0.658	0.00e+00

CSNK2A2	0.00e+00	2.92e-01	0.52	0.364	0.00e+00
CSNKA2IP	0.00e+00	2.82e-01	0.228	0.093	0.00e+00
CSPP1	0.00e+00	5.86e-01	0.911	0.768	0.00e+00
CSRNP2	0.00e+00	4.37e-01	0.673	0.454	0.00e+00
CSTF3	0.00e+00	4.03e-01	0.827	0.686	0.00e+00
CTBP2	0.00e+00	4.88e-01	0.666	0.467	0.00e+00
CTDSPL	0.00e+00	4.90e-01	0.877	0.734	0.00e+00
CTNNA2	0.00e+00	5.53e-01	0.997	0.928	0.00e+00
CTNNAL1	0.00e+00	7.89e-01	0.676	0.369	0.00e+00
CTNNBL1	0.00e+00	3.20e-01	0.638	0.491	0.00e+00
CTNND2	0.00e+00	5.69e-01	0.997	0.952	0.00e+00
CTSA	0.00e+00	2.72e-01	0.446	0.283	0.00e+00
CTSS	0.00e+00	3.82e-01	0.376	0.177	0.00e+00
CTTN	0.00e+00	5.70e-01	0.813	0.615	0.00e+00
CTTNBP2NL	0.00e+00	3.75e-01	0.648	0.476	0.00e+00
CTXN1	0.00e+00	3.01e-01	0.598	0.389	0.00e+00
CUL4A	0.00e+00	3.36e-01	0.687	0.545	0.00e+00
CUL5	0.00e+00	3.76e-01	0.861	0.755	0.00e+00
CWC22	0.00e+00	2.97e-01	0.572	0.409	0.00e+00
CWF19L2	0.00e+00	3.65e-01	0.754	0.618	0.00e+00
CXADR	0.00e+00	4.10e-01	0.781	0.607	0.00e+00
CXCL14	0.00e+00	-1.26e+00	0.051	0.197	0.00e+00
CXXC4	0.00e+00	-4.60e-01	0.208	0.399	0.00e+00
CXXC5	0.00e+00	5.90e-01	0.487	0.193	0.00e+00
CYB561D1	0.00e+00	2.56e-01	0.311	0.158	0.00e+00
CYB5B	0.00e+00	3.64e-01	0.639	0.461	0.00e+00

CYB5R4	0.00e+00	4.44e-01	0.739	0.603	0.00e+00
CYFIP1	0.00e+00	4.43e-01	0.679	0.444	0.00e+00
CYFIP2	0.00e+00	6.98e-01	0.913	0.776	0.00e+00
CYHR1	0.00e+00	2.65e-01	0.649	0.495	0.00e+00
CYP1B1-AS1	0.00e+00	7.07e-01	0.331	0.126	0.00e+00
CYP26B1	0.00e+00	3.12e-01	0.211	0.051	0.00e+00
CYP2U1-AS1	0.00e+00	5.14e-01	0.538	0.29	0.00e+00
CYP46A1	0.00e+00	3.44e-01	0.745	0.59	0.00e+00
CYP4A22-AS1	0.00e+00	4.08e-01	0.326	0.113	0.00e+00
CYP4F26P	0.00e+00	2.66e-01	0.198	0.042	0.00e+00
CYP4F29P	0.00e+00	3.15e-01	0.195	0.049	0.00e+00
CYP4X1	0.00e+00	3.74e-01	0.629	0.429	0.00e+00
CYP7B1	0.00e+00	3.78e-01	0.665	0.499	0.00e+00
CYRIA	0.00e+00	8.53e-01	0.898	0.642	0.00e+00
CYTH3	0.00e+00	3.51e-01	0.696	0.533	0.00e+00
CYTOR	0.00e+00	8.70e-01	0.681	0.309	0.00e+00
DAAM1	0.00e+00	8.34e-01	0.96	0.81	0.00e+00
DAB1	0.00e+00	8.37e-01	0.971	0.78	0.00e+00
DAB2IP	0.00e+00	4.31e-01	0.487	0.287	0.00e+00
DANT2	0.00e+00	7.50e-01	0.991	0.923	0.00e+00
DAP3	0.00e+00	4.20e-01	0.769	0.615	0.00e+00
DAP3P1	0.00e+00	3.29e-01	0.329	0.152	0.00e+00
DAPK1	0.00e+00	4.59e-01	0.905	0.708	0.00e+00
DAW1	0.00e+00	2.84e-01	0.303	0.138	0.00e+00
DBN1	0.00e+00	2.73e-01	0.446	0.287	0.00e+00
DBNL	0.00e+00	2.75e-01	0.424	0.268	0.00e+00

DCAF5	0.00e+00	4.17e-01	0.859	0.726	0.00e+00
DCAF6	0.00e+00	9.30e-01	0.929	0.731	0.00e+00
DCAF7	0.00e+00	3.43e-01	0.676	0.534	0.00e+00
DCAF8	0.00e+00	2.93e-01	0.556	0.401	0.00e+00
DCBLD1	0.00e+00	5.35e-01	0.289	0.108	0.00e+00
DCC	0.00e+00	6.25e-01	0.725	0.534	0.00e+00
DCHS2	0.00e+00	-9.62e-01	0.087	0.34	0.00e+00
DCLK1	0.00e+00	7.07e-01	0.995	0.86	0.00e+00
DCLK2	0.00e+00	9.12e-01	0.972	0.858	0.00e+00
DCP1A	0.00e+00	3.37e-01	0.679	0.543	0.00e+00
DCSTAMP	0.00e+00	9.94e-01	0.317	0.015	0.00e+00
DCTN5	0.00e+00	3.74e-01	0.671	0.504	0.00e+00
DCUN1D2	0.00e+00	4.18e-01	0.651	0.467	0.00e+00
DCUN1D4	0.00e+00	4.99e-01	0.875	0.725	0.00e+00
DDHD1	0.00e+00	5.56e-01	0.877	0.743	0.00e+00
DDRGK1	0.00e+00	3.81e-01	0.464	0.264	0.00e+00
DDX10	0.00e+00	5.18e-01	0.862	0.696	0.00e+00
DDX17	0.00e+00	3.26e-01	0.967	0.949	0.00e+00
DDX39B	0.00e+00	3.00e-01	0.56	0.403	0.00e+00
DDX3P1	0.00e+00	5.64e-01	0.639	0.486	0.00e+00
DDX5	0.00e+00	3.11e-01	0.934	0.892	0.00e+00
DDX51	0.00e+00	2.78e-01	0.391	0.225	0.00e+00
DEAF1	0.00e+00	4.70e-01	0.688	0.501	0.00e+00
DENND1A	0.00e+00	7.25e-01	0.97	0.901	0.00e+00
DENND1B	0.00e+00	3.54e-01	0.844	0.697	0.00e+00
DENND2A	0.00e+00	4.61e-01	0.568	0.414	0.00e+00



DENND2C	0.00e+00	2.57e-01	0.205	0.066	0.00e+00
DENND3	0.00e+00	8.11e-01	0.652	0.262	0.00e+00
DENND4A	0.00e+00	5.27e-01	0.936	0.856	0.00e+00
DENND6A	0.00e+00	3.54e-01	0.773	0.627	0.00e+00
DENND6B	0.00e+00	5.06e-01	0.631	0.404	0.00e+00
DEPDC5	0.00e+00	5.20e-01	0.577	0.341	0.00e+00
DGCR8	0.00e+00	2.76e-01	0.429	0.282	0.00e+00
DGKA	0.00e+00	5.33e-01	0.438	0.175	0.00e+00
DGKB	0.00e+00	6.76e-01	0.974	0.827	0.00e+00
DGKG	0.00e+00	8.07e-01	0.771	0.531	0.00e+00
DGKI	0.00e+00	5.57e-01	0.982	0.84	0.00e+00
DGKQ	0.00e+00	2.64e-01	0.385	0.227	0.00e+00
DGKZ	0.00e+00	7.49e-01	0.832	0.603	0.00e+00
DHX8	0.00e+00	3.59e-01	0.528	0.369	0.00e+00
DIAPH1	0.00e+00	3.53e-01	0.687	0.511	0.00e+00
DIAPH2	0.00e+00	1.17e+00	0.905	0.667	0.00e+00
DIO2	0.00e+00	3.28e-01	0.328	0.188	0.00e+00
DIP2C	0.00e+00	6.47e-01	0.973	0.928	0.00e+00
DIPK1A	0.00e+00	5.80e-01	0.872	0.67	0.00e+00
DIPK2A	0.00e+00	6.19e-01	0.637	0.325	0.00e+00
DIRAS3	0.00e+00	-5.12e-01	0.081	0.24	0.00e+00
DIRC3	0.00e+00	9.56e-01	0.868	0.549	0.00e+00
DIRC3-AS1	0.00e+00	3.03e-01	0.399	0.222	0.00e+00
DISP1	0.00e+00	6.44e-01	0.681	0.448	0.00e+00
DLG1	0.00e+00	5.23e-01	0.966	0.87	0.00e+00
DLG2	0.00e+00	6.05e-01	1.0	0.977	0.00e+00

DLGAP1	0.00e+00	1.03e+00	1.0	0.911	0.00e+00
DLGAP1-AS4	0.00e+00	2.75e-01	0.441	0.27	0.00e+00
DLGAP2	0.00e+00	1.25e+00	0.997	0.834	0.00e+00
DLGAP3	0.00e+00	6.78e-01	0.729	0.473	0.00e+00
DLGAP4	0.00e+00	5.50e-01	0.871	0.73	0.00e+00
DLX1	0.00e+00	-2.88e-01	0.008	0.139	0.00e+00
DLX6-AS1	0.00e+00	-2.12e+00	0.037	0.524	0.00e+00
DMD	0.00e+00	1.56e+00	0.992	0.897	0.00e+00
DMGDH	0.00e+00	5.14e-01	0.581	0.34	0.00e+00
DMPK	0.00e+00	3.34e-01	0.486	0.306	0.00e+00
DMTN	0.00e+00	5.03e-01	0.712	0.465	0.00e+00
DMXL1	0.00e+00	3.79e-01	0.918	0.845	0.00e+00
DMXL2	0.00e+00	6.95e-01	0.939	0.799	0.00e+00
DNA2	0.00e+00	2.81e-01	0.378	0.217	0.00e+00
DNAAF1	0.00e+00	4.53e-01	0.44	0.197	0.00e+00
DNAAF4	0.00e+00	3.40e-01	0.699	0.529	0.00e+00
DNAAF5	0.00e+00	2.93e-01	0.416	0.246	0.00e+00
DNAH1	0.00e+00	2.65e-01	0.364	0.216	0.00e+00
DNAH14	0.00e+00	6.84e-01	0.887	0.606	0.00e+00
DNAH6	0.00e+00	1.02e+00	0.893	0.578	0.00e+00
DNAH7	0.00e+00	9.82e-01	0.839	0.453	0.00e+00
DNAH9	0.00e+00	4.72e-01	0.652	0.436	0.00e+00
DNAJA4	0.00e+00	2.72e-01	0.496	0.341	0.00e+00
DNAJC18	0.00e+00	3.09e-01	0.581	0.43	0.00e+00
DNAJC27-AS1	0.00e+00	4.52e-01	0.595	0.402	0.00e+00
DNAJC5	0.00e+00	3.61e-01	0.685	0.548	0.00e+00

DNAJC5G	0.00e+00	7.25e-01	0.391	0.025	0.00e+00
DNAJC6	0.00e+00	6.44e-01	0.966	0.847	0.00e+00
DNAJC9	0.00e+00	5.61e-01	0.638	0.449	0.00e+00
DNAL1	0.00e+00	3.15e-01	0.555	0.379	0.00e+00
DNHD1	0.00e+00	4.76e-01	0.641	0.458	0.00e+00
DNM1	0.00e+00	1.10e+00	0.974	0.792	0.00e+00
DNM1L	0.00e+00	3.31e-01	0.891	0.815	0.00e+00
DNMT3A	0.00e+00	8.04e-01	0.866	0.706	0.00e+00
DOC2A	0.00e+00	4.43e-01	0.567	0.3	0.00e+00
DOCK1	0.00e+00	-9.18e-01	0.093	0.301	0.00e+00
DOCK10	0.00e+00	-1.24e+00	0.43	0.736	0.00e+00
DOCK3	0.00e+00	4.82e-01	0.997	0.954	0.00e+00
DOCK4	0.00e+00	1.02e+00	0.972	0.869	0.00e+00
DOCK9	0.00e+00	6.18e-01	0.935	0.805	0.00e+00
DOK5	0.00e+00	9.20e-01	0.774	0.459	0.00e+00
DOK6	0.00e+00	1.37e+00	0.977	0.788	0.00e+00
DOP1A	0.00e+00	5.33e-01	0.917	0.74	0.00e+00
DOP1B	0.00e+00	5.90e-01	0.723	0.443	0.00e+00
DPM1	0.00e+00	3.43e-01	0.617	0.456	0.00e+00
DPY19L1P1	0.00e+00	3.03e-01	0.789	0.615	0.00e+00
DPY19L2	0.00e+00	3.80e-01	0.842	0.696	0.00e+00
DPY19L2P1	0.00e+00	7.13e-01	0.907	0.662	0.00e+00
DPY19L2P2	0.00e+00	3.00e-01	0.466	0.302	0.00e+00
DPYD	0.00e+00	1.01e+00	0.985	0.792	0.00e+00
DPYD-AS1	0.00e+00	3.36e-01	0.406	0.241	0.00e+00
DPYSL2	0.00e+00	6.21e-01	0.968	0.888	0.00e+00

DRAIC	0.00e+00	5.99e-01	0.55	0.315	0.00e+00
DRP2	0.00e+00	4.12e-01	0.542	0.325	0.00e+00
DSCAM	0.00e+00	3.34e-01	0.986	0.737	0.00e+00
DSE	0.00e+00	3.49e-01	0.745	0.6	0.00e+00
DSEL	0.00e+00	3.86e-01	0.562	0.326	0.00e+00
DSP	0.00e+00	4.27e-01	0.231	0.011	0.00e+00
DST	0.00e+00	3.66e-01	0.993	0.976	0.00e+00
DSTN	0.00e+00	4.44e-01	0.73	0.533	0.00e+00
DSTYK	0.00e+00	3.88e-01	0.65	0.485	0.00e+00
DTD1	0.00e+00	3.86e-01	0.732	0.566	0.00e+00
DTNA	0.00e+00	6.68e-01	0.98	0.887	0.00e+00
DTNB	0.00e+00	1.00e+00	0.971	0.882	0.00e+00
DTNBP1	0.00e+00	5.18e-01	0.697	0.492	0.00e+00
DTWD1	0.00e+00	5.78e-01	0.827	0.65	0.00e+00
DUBR	0.00e+00	4.57e-01	0.797	0.624	0.00e+00
DYM	0.00e+00	3.25e-01	0.942	0.887	0.00e+00
DYNC1H1	0.00e+00	5.97e-01	0.896	0.766	0.00e+00
DYNC1I1	0.00e+00	6.12e-01	0.982	0.856	0.00e+00
DYNC1I2	0.00e+00	4.27e-01	0.892	0.762	0.00e+00
DYNC2H1	0.00e+00	2.89e-01	0.901	0.787	0.00e+00
DYNC2LI1	0.00e+00	2.95e-01	0.799	0.668	0.00e+00
DYRK1A	0.00e+00	3.54e-01	0.928	0.868	0.00e+00
DYSF	0.00e+00	5.04e-01	0.477	0.222	0.00e+00
DZIP3	0.00e+00	4.69e-01	0.909	0.783	0.00e+00
E2F3	0.00e+00	6.20e-01	0.742	0.491	0.00e+00
EAF2	0.00e+00	2.83e-01	0.436	0.249	0.00e+00

ECHDC1	0.00e+00	3.73e-01	0.701	0.546	0.00e+00
ECPAS	0.00e+00	4.89e-01	0.912	0.793	0.00e+00
EDIL3	0.00e+00	1.25e+00	0.957	0.618	0.00e+00
EDIL3-DT	0.00e+00	9.50e-01	0.678	0.268	0.00e+00
EDRF1	0.00e+00	4.75e-01	0.66	0.469	0.00e+00
EEF1DP4	0.00e+00	2.72e-01	0.273	0.115	0.00e+00
EFCAB5	0.00e+00	5.48e-01	0.462	0.217	0.00e+00
EFCAB6	0.00e+00	5.14e-01	0.768	0.555	0.00e+00
EFNB2	0.00e+00	4.45e-01	0.636	0.428	0.00e+00
EFR3A	0.00e+00	6.76e-01	0.858	0.652	0.00e+00
EFR3B	0.00e+00	5.55e-01	0.828	0.693	0.00e+00
EGF	0.00e+00	5.87e-01	0.331	0.097	0.00e+00
EGFR	0.00e+00	-9.23e-01	0.068	0.261	0.00e+00
EHBP1	0.00e+00	5.08e-01	0.971	0.904	0.00e+00
EHD3	0.00e+00	4.12e-01	0.435	0.202	0.00e+00
EIF1B-AS1	0.00e+00	3.39e-01	0.526	0.352	0.00e+00
EIF2AK3	0.00e+00	7.49e-01	0.672	0.397	0.00e+00
EIF2B3	0.00e+00	4.92e-01	0.752	0.581	0.00e+00
EIF3E	0.00e+00	3.72e-01	0.709	0.569	0.00e+00
EIF4G3	0.00e+00	5.99e-01	0.987	0.967	0.00e+00
EIF5B	0.00e+00	2.91e-01	0.684	0.541	0.00e+00
EIPR1	0.00e+00	4.79e-01	0.714	0.529	0.00e+00
ELAPOR1	0.00e+00	7.53e-01	0.823	0.55	0.00e+00
ELAVL3	0.00e+00	5.33e-01	0.817	0.679	0.00e+00
ELAVL4	0.00e+00	3.35e-01	0.712	0.525	0.00e+00
ELK4	0.00e+00	4.12e-01	0.515	0.284	0.00e+00

ELMOD1	0.00e+00	4.70e-01	0.902	0.725	0.00e+00
ELOA-AS1	0.00e+00	2.99e-01	0.559	0.405	0.00e+00
ELOVL4	0.00e+00	3.51e-01	0.674	0.489	0.00e+00
ELP1	0.00e+00	3.35e-01	0.716	0.564	0.00e+00
EMC3	0.00e+00	3.49e-01	0.553	0.38	0.00e+00
EMC3-AS1	0.00e+00	2.58e-01	0.339	0.19	0.00e+00
EME2	0.00e+00	4.47e-01	0.495	0.255	0.00e+00
EML1	0.00e+00	2.81e-01	0.651	0.484	0.00e+00
EML4	0.00e+00	6.70e-01	0.825	0.623	0.00e+00
EML5	0.00e+00	4.79e-01	0.867	0.73	0.00e+00
EML6	0.00e+00	8.63e-01	0.934	0.739	0.00e+00
ENC1	0.00e+00	2.02e+00	0.963	0.424	0.00e+00
ENO2	0.00e+00	3.10e-01	0.782	0.607	0.00e+00
ENOX1	0.00e+00	4.47e-01	0.974	0.862	0.00e+00
ENPP7P2	0.00e+00	3.66e-01	0.413	0.192	0.00e+00
ENPP7P4	0.00e+00	4.48e-01	0.55	0.337	0.00e+00
ENPP7P7	0.00e+00	3.99e-01	0.322	0.142	0.00e+00
ENSA	0.00e+00	4.39e-01	0.872	0.747	0.00e+00
EP400	0.00e+00	4.64e-01	0.794	0.654	0.00e+00
EP400P1	0.00e+00	3.30e-01	0.514	0.339	0.00e+00
EPB41L2	0.00e+00	3.86e-01	0.803	0.671	0.00e+00
EPB41L4B	0.00e+00	8.49e-01	0.883	0.576	0.00e+00
EPDR1	0.00e+00	6.45e-01	0.705	0.428	0.00e+00
EPG5	0.00e+00	3.32e-01	0.712	0.563	0.00e+00
EPHA10	0.00e+00	5.37e-01	0.62	0.395	0.00e+00
EPHA4	0.00e+00	8.84e-01	0.813	0.492	0.00e+00

EPHA5	0.00e+00	1.24e+00	0.891	0.587	0.00e+00
EPHA5-AS1	0.00e+00	3.02e-01	0.474	0.275	0.00e+00
EPHB2	0.00e+00	4.71e-01	0.507	0.312	0.00e+00
EPHX4	0.00e+00	4.10e-01	0.435	0.211	0.00e+00
EPRS1	0.00e+00	3.64e-01	0.625	0.434	0.00e+00
EPS15L1	0.00e+00	3.19e-01	0.748	0.622	0.00e+00
EPS8	0.00e+00	-9.28e-01	0.259	0.498	0.00e+00
ERBB4	0.00e+00	-4.38e+00	0.49	0.824	0.00e+00
ERC1	0.00e+00	5.29e-01	0.987	0.942	0.00e+00
ERC2	0.00e+00	1.33e+00	0.997	0.852	0.00e+00
ERCC1	0.00e+00	3.23e-01	0.487	0.327	0.00e+00
ERCC3	0.00e+00	2.91e-01	0.538	0.387	0.00e+00
ERCC5	0.00e+00	3.86e-01	0.588	0.389	0.00e+00
ERCC6	0.00e+00	3.69e-01	0.588	0.423	0.00e+00
ERCC8	0.00e+00	4.37e-01	0.744	0.579	0.00e+00
ERGIC1	0.00e+00	3.69e-01	0.639	0.49	0.00e+00
ERI3	0.00e+00	3.86e-01	0.765	0.635	0.00e+00
ERICH1	0.00e+00	4.22e-01	0.628	0.434	0.00e+00
ERICH3	0.00e+00	4.58e-01	0.832	0.628	0.00e+00
ERLIN1	0.00e+00	2.86e-01	0.436	0.283	0.00e+00
ERP44	0.00e+00	3.55e-01	0.774	0.636	0.00e+00
ERVK13-1	0.00e+00	4.45e-01	0.594	0.364	0.00e+00
ESF1	0.00e+00	4.45e-01	0.824	0.632	0.00e+00
ESR1	0.00e+00	1.12e+00	0.307	0.165	0.00e+00
ESYT2	0.00e+00	4.21e-01	0.887	0.741	0.00e+00
ETFRF1	0.00e+00	2.95e-01	0.522	0.369	0.00e+00

ETS2	0.00e+00	4.66e-01	0.498	0.252	0.00e+00
ETV1	0.00e+00	1.13e+00	0.623	0.274	0.00e+00
EVI5	0.00e+00	7.50e-01	0.935	0.785	0.00e+00
EXOC2	0.00e+00	5.60e-01	0.862	0.699	0.00e+00
EXOC4	0.00e+00	7.23e-01	0.984	0.947	0.00e+00
EXOC5	0.00e+00	3.69e-01	0.783	0.638	0.00e+00
EXOC6	0.00e+00	8.63e-01	0.945	0.787	0.00e+00
EXOC6B	0.00e+00	3.74e-01	0.986	0.956	0.00e+00
EXOG	0.00e+00	3.46e-01	0.656	0.492	0.00e+00
EXOSC3	0.00e+00	2.96e-01	0.481	0.317	0.00e+00
EXT1	0.00e+00	4.16e-01	0.953	0.828	0.00e+00
EXT2	0.00e+00	3.37e-01	0.794	0.654	0.00e+00
EXTL1	0.00e+00	6.08e-01	0.451	0.153	0.00e+00
EYA2	0.00e+00	-8.89e-01	0.053	0.286	0.00e+00
EYA3	0.00e+00	5.36e-01	0.831	0.657	0.00e+00
EYA4	0.00e+00	-1.06e+00	0.061	0.179	0.00e+00
EYS	0.00e+00	3.21e-01	0.391	0.217	0.00e+00
EZH1	0.00e+00	3.99e-01	0.649	0.473	0.00e+00
FAAH	0.00e+00	3.58e-01	0.524	0.33	0.00e+00
FADS3	0.00e+00	5.99e-01	0.663	0.372	0.00e+00
FAF1	0.00e+00	4.74e-01	0.975	0.941	0.00e+00
FAHD2A	0.00e+00	2.60e-01	0.457	0.307	0.00e+00
FAHD2CP	0.00e+00	2.67e-01	0.336	0.171	0.00e+00
FAM106A	0.00e+00	4.62e-01	0.433	0.25	0.00e+00
FAM117A	0.00e+00	4.23e-01	0.43	0.214	0.00e+00
FAM118A	0.00e+00	3.68e-01	0.514	0.329	0.00e+00



FAM120A	0.00e+00	6.03e-01	0.847	0.676	0.00e+00
FAM120AOS	0.00e+00	3.64e-01	0.562	0.381	0.00e+00
FAM120B	0.00e+00	3.38e-01	0.86	0.774	0.00e+00
FAM126A	0.00e+00	6.59e-01	0.632	0.386	0.00e+00
FAM126B	0.00e+00	6.02e-01	0.898	0.747	0.00e+00
FAM131A	0.00e+00	3.91e-01	0.544	0.345	0.00e+00
FAM135A	0.00e+00	3.42e-01	0.914	0.827	0.00e+00
FAM135B	0.00e+00	1.34e+00	0.953	0.66	0.00e+00
FAM13A	0.00e+00	1.23e+00	0.793	0.563	0.00e+00
FAM13B	0.00e+00	4.14e-01	0.915	0.822	0.00e+00
FAM13C	0.00e+00	5.46e-01	0.832	0.659	0.00e+00
FAM151B	0.00e+00	4.24e-01	0.486	0.272	0.00e+00
FAM153A	0.00e+00	7.14e-01	0.736	0.45	0.00e+00
FAM153B	0.00e+00	9.29e-01	0.784	0.458	0.00e+00
FAM153CP	0.00e+00	1.15e+00	0.779	0.396	0.00e+00
FAM155A	0.00e+00	1.11e+00	1.0	0.912	0.00e+00
FAM163A	0.00e+00	3.30e-01	0.182	0.078	0.00e+00
FAM168A	0.00e+00	4.41e-01	0.946	0.877	0.00e+00
FAM171A1	0.00e+00	5.69e-01	0.927	0.796	0.00e+00
FAM171B	0.00e+00	3.60e-01	0.904	0.784	0.00e+00
FAM172A	0.00e+00	5.07e-01	0.969	0.924	0.00e+00
FAM182B	0.00e+00	2.82e-01	0.554	0.391	0.00e+00
FAM185A	0.00e+00	3.17e-01	0.65	0.498	0.00e+00
FAM189A1	0.00e+00	9.33e-01	0.903	0.666	0.00e+00
FAM193A	0.00e+00	4.60e-01	0.824	0.698	0.00e+00
FAM193B	0.00e+00	5.10e-01	0.681	0.49	0.00e+00

FAM204A	0.00e+00	3.18e-01	0.714	0.576	0.00e+00
FAM219A	0.00e+00	4.13e-01	0.717	0.529	0.00e+00
FAM222B	0.00e+00	6.19e-01	0.877	0.735	0.00e+00
FAM227A	0.00e+00	3.84e-01	0.476	0.265	0.00e+00
FAM228B	0.00e+00	5.49e-01	0.699	0.498	0.00e+00
FAM234A	0.00e+00	3.07e-01	0.496	0.331	0.00e+00
FAM241A	0.00e+00	7.49e-01	0.479	0.132	0.00e+00
FAM27C	0.00e+00	2.63e-01	0.298	0.143	0.00e+00
FAM3C	0.00e+00	4.92e-01	0.621	0.398	0.00e+00
FAM66A	0.00e+00	3.27e-01	0.562	0.387	0.00e+00
FAM66C	0.00e+00	3.40e-01	0.804	0.671	0.00e+00
FAM78B	0.00e+00	5.24e-01	0.71	0.486	0.00e+00
FAM81A	0.00e+00	3.66e-01	0.71	0.521	0.00e+00
FAM9B	0.00e+00	3.20e-01	0.133	0.039	0.00e+00
FAR1	0.00e+00	5.04e-01	0.917	0.811	0.00e+00
FARP1	0.00e+00	5.22e-01	0.897	0.673	0.00e+00
FARS2	0.00e+00	7.36e-01	0.956	0.839	0.00e+00
FASTKD2	0.00e+00	2.77e-01	0.68	0.526	0.00e+00
FAT3	0.00e+00	9.36e-01	0.933	0.668	0.00e+00
FAT4	0.00e+00	1.06e+00	0.653	0.216	0.00e+00
FAXC	0.00e+00	3.43e-01	0.745	0.569	0.00e+00
FAXDC2	0.00e+00	2.60e-01	0.266	0.137	0.00e+00
FBLN5	0.00e+00	2.75e-01	0.227	0.112	0.00e+00
FBXL13	0.00e+00	3.90e-01	0.631	0.432	0.00e+00
FBXL16	0.00e+00	3.29e-01	0.556	0.374	0.00e+00
FBXL17	0.00e+00	3.36e-01	0.986	0.943	0.00e+00

FBXL2	0.00e+00	4.99e-01	0.905	0.746	0.00e+00
FBXL20	0.00e+00	4.54e-01	0.914	0.82	0.00e+00
FBXL7	0.00e+00	-1.99e+00	0.09	0.339	0.00e+00
FBXO11	0.00e+00	5.26e-01	0.942	0.876	0.00e+00
FBXO16	0.00e+00	3.44e-01	0.739	0.572	0.00e+00
FBXO17	0.00e+00	4.64e-01	0.426	0.206	0.00e+00
FBXO22	0.00e+00	3.13e-01	0.752	0.604	0.00e+00
FBXO27	0.00e+00	3.24e-01	0.513	0.342	0.00e+00
FBXO28	0.00e+00	4.62e-01	0.74	0.565	0.00e+00
FBXO31	0.00e+00	3.46e-01	0.536	0.365	0.00e+00
FBXO32	0.00e+00	6.03e-01	0.449	0.195	0.00e+00
FBXO34	0.00e+00	9.42e-01	0.866	0.619	0.00e+00
FBXO41	0.00e+00	3.20e-01	0.553	0.38	0.00e+00
FBXO42	0.00e+00	3.58e-01	0.817	0.705	0.00e+00
FBXW11	0.00e+00	4.35e-01	0.882	0.764	0.00e+00
FBXW4	0.00e+00	3.97e-01	0.797	0.667	0.00e+00
FBXW7	0.00e+00	1.23e+00	0.98	0.825	0.00e+00
FCHO2	0.00e+00	3.05e-01	0.694	0.546	0.00e+00
FDFT1	0.00e+00	4.34e-01	0.598	0.397	0.00e+00
FDPS	0.00e+00	4.05e-01	0.577	0.387	0.00e+00
FER	0.00e+00	6.03e-01	0.964	0.9	0.00e+00
FER1L6-AS2	0.00e+00	5.26e-01	0.237	0.11	0.00e+00
FEZ2	0.00e+00	4.42e-01	0.86	0.688	0.00e+00
FEZF2	0.00e+00	2.94e-01	0.218	0.05	0.00e+00
FGD1	0.00e+00	4.99e-01	0.523	0.301	0.00e+00
FGD6	0.00e+00	3.97e-01	0.414	0.188	0.00e+00

FGF12	0.00e+00	5.55e-01	0.998	0.885	0.00e+00
FGFR1OP2	0.00e+00	5.53e-01	0.753	0.546	0.00e+00
FGGY	0.00e+00	3.34e-01	0.633	0.482	0.00e+00
FHL1	0.00e+00	4.66e-01	0.776	0.578	0.00e+00
FHL2	0.00e+00	6.68e-01	0.417	0.081	0.00e+00
FHOD3	0.00e+00	8.45e-01	0.915	0.684	0.00e+00
FIG4	0.00e+00	3.81e-01	0.701	0.522	0.00e+00
FIGN	0.00e+00	1.36e+00	0.796	0.349	0.00e+00
FILIP1	0.00e+00	3.54e-01	0.428	0.234	0.00e+00
FILIP1L	0.00e+00	6.23e-01	0.643	0.411	0.00e+00
FKBP11	0.00e+00	3.27e-01	0.281	0.097	0.00e+00
FKBP14	0.00e+00	3.29e-01	0.493	0.316	0.00e+00
FKBP14-AS1	0.00e+00	3.04e-01	0.353	0.193	0.00e+00
FKBP5	0.00e+00	4.24e-01	0.437	0.259	0.00e+00
FLACC1	0.00e+00	6.39e-01	0.564	0.297	0.00e+00
FLNA	0.00e+00	3.40e-01	0.459	0.284	0.00e+00
FLNB	0.00e+00	7.52e-01	0.831	0.615	0.00e+00
FLOT1	0.00e+00	3.30e-01	0.634	0.462	0.00e+00
FLRT2	0.00e+00	4.12e-01	0.889	0.774	0.00e+00
FLRT3	0.00e+00	3.79e-01	0.432	0.232	0.00e+00
FLYWCH1	0.00e+00	4.04e-01	0.61	0.415	0.00e+00
FMN1	0.00e+00	4.39e-01	0.725	0.522	0.00e+00
FMN2	0.00e+00	7.95e-01	0.985	0.882	0.00e+00
FMNL2	0.00e+00	5.40e-01	0.975	0.89	0.00e+00
FNBP4	0.00e+00	3.89e-01	0.857	0.759	0.00e+00
FNDC3A	0.00e+00	3.17e-01	0.942	0.877	0.00e+00

FNIP1	0.00e+00	7.29e-01	0.917	0.722	0.00e+00
FNIP2	0.00e+00	3.68e-01	0.768	0.624	0.00e+00
FOCAD	0.00e+00	4.28e-01	0.983	0.871	0.00e+00
FOXJ3	0.00e+00	3.86e-01	0.893	0.803	0.00e+00
FOXK1	0.00e+00	3.48e-01	0.639	0.476	0.00e+00
FOXK2	0.00e+00	4.76e-01	0.788	0.636	0.00e+00
FOXP2	0.00e+00	-3.15e+00	0.076	0.377	0.00e+00
FREM3	0.00e+00	3.65e-01	0.203	0.084	0.00e+00
FRG1-DT	0.00e+00	4.72e-01	0.559	0.393	0.00e+00
FRG1HP	0.00e+00	5.95e-01	0.862	0.669	0.00e+00
FRMD3	0.00e+00	4.63e-01	0.757	0.539	0.00e+00
FRMD4A	0.00e+00	8.40e-01	0.999	0.942	0.00e+00
FRMD4B	0.00e+00	-1.08e+00	0.186	0.364	0.00e+00
FRMD8	0.00e+00	3.51e-01	0.333	0.148	0.00e+00
FRMPD1	0.00e+00	-2.66e-01	0.03	0.14	0.00e+00
FRRS1L	0.00e+00	6.06e-01	0.944	0.791	0.00e+00
FRY	0.00e+00	5.32e-01	0.969	0.861	0.00e+00
FSD1	0.00e+00	5.19e-01	0.583	0.32	0.00e+00
FSD1L	0.00e+00	3.27e-01	0.813	0.669	0.00e+00
FSIP1	0.00e+00	2.99e-01	0.678	0.495	0.00e+00
FSIP2-AS1	0.00e+00	4.07e-01	0.57	0.389	0.00e+00
FSTL4	0.00e+00	1.24e+00	0.841	0.559	0.00e+00
FTCD	0.00e+00	4.82e-01	0.484	0.236	0.00e+00
FTO	0.00e+00	4.06e-01	0.965	0.928	0.00e+00
FTX	0.00e+00	7.30e-01	0.999	0.989	0.00e+00
FUBP3	0.00e+00	3.52e-01	0.732	0.595	0.00e+00

FUT9	0.00e+00	-5.54e-01	0.748	0.831	0.00e+00
FXYP7	0.00e+00	3.68e-01	0.588	0.37	0.00e+00
FYN	0.00e+00	3.40e-01	0.939	0.864	0.00e+00
FZD3	0.00e+00	4.26e-01	0.88	0.723	0.00e+00
GABBR2	0.00e+00	1.15e+00	0.975	0.732	0.00e+00
GABPB1-AS1	0.00e+00	3.92e-01	0.821	0.7	0.00e+00
GABRA2	0.00e+00	8.18e-01	0.957	0.762	0.00e+00
GABRA5	0.00e+00	4.08e-01	0.616	0.427	0.00e+00
GABRB1	0.00e+00	3.69e-01	0.98	0.884	0.00e+00
GABRB3	0.00e+00	9.32e-01	0.994	0.859	0.00e+00
GABRG1	0.00e+00	-8.96e-01	0.223	0.373	0.00e+00
GABRG2	0.00e+00	5.89e-01	0.922	0.74	0.00e+00
GAD1	0.00e+00	-1.88e+00	0.053	0.586	0.00e+00
GAD2	0.00e+00	-2.09e+00	0.046	0.572	0.00e+00
GAK	0.00e+00	3.82e-01	0.615	0.448	0.00e+00
GALK2	0.00e+00	4.77e-01	0.823	0.671	0.00e+00
GALNT11	0.00e+00	5.51e-01	0.919	0.764	0.00e+00
GALNT13	0.00e+00	5.06e-01	0.943	0.79	0.00e+00
GALNT16	0.00e+00	7.06e-01	0.663	0.433	0.00e+00
GALNT17	0.00e+00	1.04e+00	0.966	0.774	0.00e+00
GALNT18	0.00e+00	1.57e+00	0.971	0.641	0.00e+00
GALNT9	0.00e+00	7.38e-01	0.51	0.201	0.00e+00
GAP43	0.00e+00	5.93e-01	0.905	0.671	0.00e+00
GAPVD1	0.00e+00	3.65e-01	0.797	0.67	0.00e+00
GARS1	0.00e+00	3.51e-01	0.624	0.423	0.00e+00
GARS1-DT	0.00e+00	7.19e-01	0.869	0.628	0.00e+00

GAS2	0.00e+00	9.81e-01	0.883	0.561	0.00e+00
GAS7	0.00e+00	2.84e-01	0.863	0.714	0.00e+00
GAS8	0.00e+00	4.06e-01	0.537	0.352	0.00e+00
GATAD2B	0.00e+00	4.67e-01	0.874	0.779	0.00e+00
GBF1	0.00e+00	5.19e-01	0.837	0.708	0.00e+00
GCLM	0.00e+00	2.88e-01	0.54	0.386	0.00e+00
GCNA	0.00e+00	3.44e-01	0.448	0.265	0.00e+00
GCNT1	0.00e+00	4.44e-01	0.424	0.214	0.00e+00
GCNT4	0.00e+00	2.89e-01	0.294	0.112	0.00e+00
GDA	0.00e+00	5.34e-01	0.786	0.487	0.00e+00
GDAP1	0.00e+00	1.20e+00	0.977	0.868	0.00e+00
GDAP1L1	0.00e+00	3.83e-01	0.517	0.322	0.00e+00
GNDF-AS1	0.00e+00	-4.13e-01	0.032	0.161	0.00e+00
GDPD1	0.00e+00	5.36e-01	0.748	0.54	0.00e+00
GEMIN7-AS1	0.00e+00	3.81e-01	0.399	0.216	0.00e+00
GFOD1	0.00e+00	7.04e-01	0.888	0.682	0.00e+00
GFPT1	0.00e+00	4.31e-01	0.741	0.559	0.00e+00
GFRA1	0.00e+00	-6.20e-01	0.047	0.217	0.00e+00
GGA2	0.00e+00	3.72e-01	0.759	0.628	0.00e+00
GGCT	0.00e+00	3.70e-01	0.439	0.23	0.00e+00
GGT7	0.00e+00	5.43e-01	0.794	0.615	0.00e+00
GIGYF2	0.00e+00	3.66e-01	0.891	0.821	0.00e+00
GIPC1	0.00e+00	5.22e-01	0.765	0.546	0.00e+00
GIPC2	0.00e+00	5.47e-01	0.641	0.378	0.00e+00
GIT1	0.00e+00	3.20e-01	0.529	0.373	0.00e+00
GIT2	0.00e+00	3.56e-01	0.785	0.664	0.00e+00

GK5	0.00e+00	3.71e-01	0.704	0.535	0.00e+00
GLB1	0.00e+00	3.38e-01	0.684	0.525	0.00e+00
GLB1L3	0.00e+00	3.85e-01	0.507	0.269	0.00e+00
GLG1	0.00e+00	3.66e-01	0.919	0.859	0.00e+00
GLIS1	0.00e+00	4.12e-01	0.6	0.381	0.00e+00
GLMN	0.00e+00	3.23e-01	0.738	0.594	0.00e+00
GLRA3	0.00e+00	7.27e-01	0.756	0.359	0.00e+00
GLRB	0.00e+00	5.75e-01	0.877	0.667	0.00e+00
GLS	0.00e+00	7.46e-01	0.977	0.871	0.00e+00
GLUL	0.00e+00	-4.35e-01	0.102	0.267	0.00e+00
GLYATL2	0.00e+00	3.09e-01	0.304	0.17	0.00e+00
GLYR1	0.00e+00	3.89e-01	0.698	0.541	0.00e+00
GMCL1	0.00e+00	4.71e-01	0.737	0.567	0.00e+00
GMDS	0.00e+00	1.00e+00	0.973	0.82	0.00e+00
GMDS-DT	0.00e+00	5.07e-01	0.9	0.798	0.00e+00
GNA12	0.00e+00	4.20e-01	0.705	0.551	0.00e+00
GNAI3	0.00e+00	3.68e-01	0.667	0.491	0.00e+00
GNAL	0.00e+00	4.67e-01	0.884	0.724	0.00e+00
GNAO1	0.00e+00	5.07e-01	0.949	0.864	0.00e+00
GNAQ	0.00e+00	5.90e-01	0.984	0.952	0.00e+00
GNB1	0.00e+00	3.92e-01	0.891	0.814	0.00e+00
GNB5	0.00e+00	5.55e-01	0.848	0.659	0.00e+00
GNG12	0.00e+00	-4.23e-01	0.042	0.196	0.00e+00
GNG2	0.00e+00	9.74e-01	0.89	0.584	0.00e+00
GNPTAB	0.00e+00	5.27e-01	0.851	0.671	0.00e+00
GNPTG	0.00e+00	3.04e-01	0.519	0.354	0.00e+00



GOLGA3	0.00e+00	4.49e-01	0.677	0.47	0.00e+00
GOLGA4	0.00e+00	3.61e-01	0.935	0.868	0.00e+00
GOLGA8A	0.00e+00	5.35e-01	0.901	0.753	0.00e+00
GOLGA8B	0.00e+00	3.42e-01	0.857	0.731	0.00e+00
GOLGB1	0.00e+00	2.95e-01	0.827	0.72	0.00e+00
GOLIM4	0.00e+00	-5.05e-01	0.067	0.191	0.00e+00
GOLM1	0.00e+00	3.02e-01	0.712	0.567	0.00e+00
GOLM2	0.00e+00	5.78e-01	0.904	0.728	0.00e+00
GOLT1B	0.00e+00	4.77e-01	0.725	0.513	0.00e+00
GON4L	0.00e+00	3.63e-01	0.679	0.532	0.00e+00
GOSR1	0.00e+00	3.69e-01	0.73	0.576	0.00e+00
GOSR2	0.00e+00	3.32e-01	0.524	0.342	0.00e+00
GPALPP1	0.00e+00	4.10e-01	0.793	0.636	0.00e+00
GPATCH2	0.00e+00	7.78e-01	0.874	0.653	0.00e+00
GPATCH2L	0.00e+00	3.44e-01	0.798	0.69	0.00e+00
GPATCH8	0.00e+00	6.76e-01	0.975	0.92	0.00e+00
GPBP1	0.00e+00	3.63e-01	0.885	0.797	0.00e+00
GPC1	0.00e+00	4.63e-01	0.743	0.525	0.00e+00
GPC4	0.00e+00	8.99e-01	0.439	0.09	0.00e+00
GPC5	0.00e+00	7.25e-01	0.638	0.445	0.00e+00
GPHN	0.00e+00	2.90e-01	0.995	0.971	0.00e+00
GPI	0.00e+00	5.74e-01	0.891	0.773	0.00e+00
GPM6A	0.00e+00	6.73e-01	0.995	0.923	0.00e+00
GPM6B	0.00e+00	6.96e-01	0.962	0.867	0.00e+00
GPR135	0.00e+00	8.12e-01	0.737	0.471	0.00e+00
GPR137B	0.00e+00	3.56e-01	0.56	0.406	0.00e+00

GPR149	0.00e+00	-1.11e+00	0.024	0.239	0.00e+00
GPR158	0.00e+00	2.55e-01	0.963	0.799	0.00e+00
GPR173	0.00e+00	5.87e-01	0.675	0.44	0.00e+00
GPR22	0.00e+00	3.69e-01	0.424	0.203	0.00e+00
GPRC5B	0.00e+00	-5.81e-01	0.07	0.32	0.00e+00
GPRIN3	0.00e+00	-8.67e-01	0.153	0.448	0.00e+00
GRAMD1B	0.00e+00	6.09e-01	0.866	0.702	0.00e+00
GRAMD2B	0.00e+00	-6.08e-01	0.024	0.146	0.00e+00
GRAMD4	0.00e+00	3.30e-01	0.483	0.301	0.00e+00
GRB2	0.00e+00	4.10e-01	0.749	0.597	0.00e+00
GREB1L	0.00e+00	1.34e+00	0.902	0.612	0.00e+00
GREM2	0.00e+00	3.90e-01	0.312	0.157	0.00e+00
GRHL1	0.00e+00	2.70e-01	0.389	0.202	0.00e+00
GRIA1	0.00e+00	7.67e-01	0.996	0.877	0.00e+00
GRIA2	0.00e+00	1.13e+00	0.998	0.929	0.00e+00
GRIA3	0.00e+00	1.13e+00	0.989	0.829	0.00e+00
GRIK2	0.00e+00	3.10e-01	0.998	0.905	0.00e+00
GRIK3	0.00e+00	-7.53e-01	0.278	0.465	0.00e+00
GRIK5	0.00e+00	4.28e-01	0.729	0.553	0.00e+00
GRIN1	0.00e+00	5.08e-01	0.951	0.778	0.00e+00
GRIN2A	0.00e+00	9.78e-01	0.949	0.706	0.00e+00
GRIN2B	0.00e+00	9.93e-01	0.997	0.863	0.00e+00
GRIP2	0.00e+00	-6.71e-01	0.11	0.351	0.00e+00
GRIPAP1	0.00e+00	3.27e-01	0.629	0.475	0.00e+00
GRK3	0.00e+00	8.19e-01	0.875	0.694	0.00e+00
GRK4	0.00e+00	4.53e-01	0.768	0.6	0.00e+00

GRM1	0.00e+00	1.35e+00	0.96	0.514	0.00e+00
GRM2	0.00e+00	3.49e-01	0.307	0.103	0.00e+00
GRM4	0.00e+00	-5.15e-01	0.104	0.31	0.00e+00
GRM5	0.00e+00	5.49e-01	0.994	0.858	0.00e+00
GRM7	0.00e+00	4.99e-01	0.991	0.817	0.00e+00
GSDMB	0.00e+00	3.89e-01	0.401	0.184	0.00e+00
GSK3B	0.00e+00	3.77e-01	0.951	0.892	0.00e+00
GSPT1	0.00e+00	3.39e-01	0.72	0.562	0.00e+00
GSR	0.00e+00	2.84e-01	0.546	0.394	0.00e+00
GTDC1	0.00e+00	1.14e+00	0.952	0.734	0.00e+00
GTF2F2	0.00e+00	3.85e-01	0.688	0.513	0.00e+00
GTF2H3	0.00e+00	3.06e-01	0.563	0.407	0.00e+00
GTF3C1	0.00e+00	4.30e-01	0.701	0.517	0.00e+00
GUCY1A2	0.00e+00	6.36e-01	0.937	0.698	0.00e+00
GUSBP1	0.00e+00	5.57e-01	0.848	0.638	0.00e+00
GVINP1	0.00e+00	3.19e-01	0.307	0.134	0.00e+00
GVQW3	0.00e+00	4.19e-01	0.568	0.348	0.00e+00
GYG2	0.00e+00	2.98e-01	0.274	0.123	0.00e+00
GYG2P1	0.00e+00	8.50e-01	0.815	0.583	0.00e+00
H2AZ1-DT	0.00e+00	3.42e-01	0.207	0.076	0.00e+00
HABP4	0.00e+00	2.94e-01	0.634	0.484	0.00e+00
HACE1	0.00e+00	5.46e-01	0.848	0.651	0.00e+00
HARS1	0.00e+00	3.79e-01	0.615	0.404	0.00e+00
HBS1L	0.00e+00	4.22e-01	0.775	0.625	0.00e+00
HCN1	0.00e+00	7.89e-01	0.972	0.745	0.00e+00
HDAC4	0.00e+00	3.65e-01	0.827	0.699	0.00e+00

HDAC7	0.00e+00	3.30e-01	0.492	0.328	0.00e+00
HDAC8	0.00e+00	5.66e-01	0.933	0.834	0.00e+00
HDGFL3	0.00e+00	3.09e-01	0.81	0.678	0.00e+00
HDLBP	0.00e+00	3.61e-01	0.694	0.545	0.00e+00
HDX	0.00e+00	4.01e-01	0.631	0.47	0.00e+00
HEATR3	0.00e+00	3.48e-01	0.574	0.402	0.00e+00
HEATR5B	0.00e+00	3.48e-01	0.779	0.654	0.00e+00
HECTD2	0.00e+00	4.37e-01	0.878	0.745	0.00e+00
HECTD4	0.00e+00	4.88e-01	0.952	0.886	0.00e+00
HECW1	0.00e+00	1.00e+00	0.964	0.755	0.00e+00
HECW2	0.00e+00	3.66e-01	0.961	0.856	0.00e+00
HEG1	0.00e+00	-2.64e-01	0.022	0.13	0.00e+00
HERC1	0.00e+00	6.43e-01	0.979	0.925	0.00e+00
HERC2	0.00e+00	4.21e-01	0.864	0.758	0.00e+00
HERC2P2	0.00e+00	3.14e-01	0.655	0.48	0.00e+00
HERC2P9	0.00e+00	3.46e-01	0.576	0.387	0.00e+00
HERC4	0.00e+00	4.91e-01	0.953	0.884	0.00e+00
HEXA	0.00e+00	3.70e-01	0.552	0.376	0.00e+00
HHAT	0.00e+00	6.93e-01	0.367	0.151	0.00e+00
HIC2	0.00e+00	2.76e-01	0.442	0.266	0.00e+00
HIVEP2	0.00e+00	4.60e-01	0.937	0.832	0.00e+00
HIVEP3	0.00e+00	8.10e-01	0.971	0.86	0.00e+00
HK1	0.00e+00	4.66e-01	0.763	0.593	0.00e+00
HLA-DMA	0.00e+00	2.58e-01	0.297	0.15	0.00e+00
HLA-DPB2	0.00e+00	3.72e-01	0.284	0.081	0.00e+00
HLA-L	0.00e+00	3.07e-01	0.454	0.282	0.00e+00

HLCS	0.00e+00	4.55e-01	0.86	0.761	0.00e+00
HLF	0.00e+00	2.75e-01	0.589	0.415	0.00e+00
HM13	0.00e+00	3.45e-01	0.701	0.566	0.00e+00
HMG20A	0.00e+00	3.54e-01	0.753	0.612	0.00e+00
HMGB1	0.00e+00	4.75e-01	0.937	0.856	0.00e+00
HMGCLL1	0.00e+00	3.56e-01	0.829	0.641	0.00e+00
HMGCR	0.00e+00	5.99e-01	0.777	0.531	0.00e+00
HMGCS1	0.00e+00	4.18e-01	0.676	0.478	0.00e+00
HNRNPDL	0.00e+00	3.80e-01	0.898	0.823	0.00e+00
HNRNPLL	0.00e+00	7.23e-01	0.788	0.532	0.00e+00
HNRNPU	0.00e+00	3.36e-01	0.908	0.833	0.00e+00
HOMER1	0.00e+00	8.39e-01	0.938	0.724	0.00e+00
HOMER2	0.00e+00	2.99e-01	0.611	0.435	0.00e+00
HOOK1	0.00e+00	4.36e-01	0.708	0.491	0.00e+00
HOOK3	0.00e+00	3.12e-01	0.871	0.782	0.00e+00
HOPX	0.00e+00	7.88e-01	0.546	0.182	0.00e+00
HP1BP3	0.00e+00	3.48e-01	0.884	0.809	0.00e+00
HPRT1	0.00e+00	5.62e-01	0.838	0.631	0.00e+00
HPYR1	0.00e+00	4.20e-01	0.33	0.133	0.00e+00
HRH1	0.00e+00	5.79e-01	0.487	0.242	0.00e+00
HRH2	0.00e+00	4.59e-01	0.581	0.339	0.00e+00
HRH3	0.00e+00	-3.49e-01	0.101	0.264	0.00e+00
HS2ST1	0.00e+00	5.60e-01	0.898	0.726	0.00e+00
HS6ST1	0.00e+00	3.10e-01	0.469	0.311	0.00e+00
HS6ST3	0.00e+00	1.22e+00	0.947	0.586	0.00e+00
HSD11B1-AS1	0.00e+00	3.77e-01	0.342	0.156	0.00e+00

HSF4	0.00e+00	3.04e-01	0.45	0.261	0.00e+00
HSPA12A	0.00e+00	9.73e-01	0.969	0.803	0.00e+00
HSPH1	0.00e+00	3.11e-01	0.814	0.654	0.00e+00
HTR1E	0.00e+00	4.12e-01	0.623	0.428	0.00e+00
HTR2A	0.00e+00	4.70e-01	0.486	0.274	0.00e+00
HTRA1	0.00e+00	-5.72e-01	0.035	0.245	0.00e+00
HTT	0.00e+00	6.49e-01	0.894	0.757	0.00e+00
HULC	0.00e+00	5.40e-01	0.554	0.32	0.00e+00
HUNK	0.00e+00	2.60e-01	0.478	0.303	0.00e+00
HUWE1	0.00e+00	3.30e-01	0.863	0.774	0.00e+00
HYDIN2	0.00e+00	5.87e-01	0.787	0.576	0.00e+00
IARS1	0.00e+00	5.26e-01	0.762	0.535	0.00e+00
ICA1	0.00e+00	7.68e-01	0.915	0.685	0.00e+00
ICA1L	0.00e+00	6.24e-01	0.948	0.826	0.00e+00
ICAM5	0.00e+00	6.78e-01	0.607	0.276	0.00e+00
ICE1	0.00e+00	6.51e-01	0.826	0.641	0.00e+00
IDE	0.00e+00	3.04e-01	0.679	0.525	0.00e+00
IDS	0.00e+00	4.95e-01	0.93	0.798	0.00e+00
IFFO1	0.00e+00	2.70e-01	0.393	0.238	0.00e+00
IFNAR2	0.00e+00	5.00e-01	0.582	0.366	0.00e+00
IFRD1	0.00e+00	5.92e-01	0.66	0.409	0.00e+00
IFT122	0.00e+00	4.12e-01	0.668	0.467	0.00e+00
IFT172	0.00e+00	4.73e-01	0.76	0.576	0.00e+00
IFT20	0.00e+00	2.72e-01	0.559	0.403	0.00e+00
IFT43	0.00e+00	4.47e-01	0.759	0.593	0.00e+00
IFT57	0.00e+00	2.89e-01	0.521	0.355	0.00e+00

IFT80	0.00e+00	5.68e-01	0.743	0.499	0.00e+00
IFT81	0.00e+00	3.09e-01	0.617	0.454	0.00e+00
IGF1	0.00e+00	-7.64e-01	0.036	0.203	0.00e+00
IGF1R	0.00e+00	4.50e-01	0.921	0.834	0.00e+00
IGF2R	0.00e+00	5.00e-01	0.651	0.46	0.00e+00
IGFBP5	0.00e+00	5.28e-01	0.395	0.195	0.00e+00
IGFL4	0.00e+00	3.89e-01	0.579	0.399	0.00e+00
IGSF11	0.00e+00	7.90e-01	0.887	0.622	0.00e+00
IGSF21	0.00e+00	3.25e-01	0.492	0.279	0.00e+00
IGSF9B	0.00e+00	7.98e-01	0.604	0.387	0.00e+00
IL12A-AS1	0.00e+00	5.45e-01	0.309	0.085	0.00e+00
IL17RA	0.00e+00	4.31e-01	0.346	0.183	0.00e+00
IL1RAP	0.00e+00	5.26e-01	0.49	0.316	0.00e+00
IL1RAPL1	0.00e+00	3.29e-01	0.996	0.924	0.00e+00
IL1RAPL2	0.00e+00	4.88e-01	0.494	0.208	0.00e+00
IL1RL2	0.00e+00	2.65e-01	0.248	0.107	0.00e+00
IL34	0.00e+00	5.31e-01	0.563	0.294	0.00e+00
IL6ST	0.00e+00	-4.79e-01	0.318	0.495	0.00e+00
ILDR2	0.00e+00	4.28e-01	0.8	0.541	0.00e+00
ILKAP	0.00e+00	3.65e-01	0.682	0.538	0.00e+00
ILRUN	0.00e+00	3.38e-01	0.599	0.419	0.00e+00
IMMP2L	0.00e+00	3.75e-01	0.975	0.915	0.00e+00
INHA	0.00e+00	2.64e-01	0.355	0.205	0.00e+00
INHBA-AS1	0.00e+00	1.32e+00	0.733	0.224	0.00e+00
INHCAP	0.00e+00	5.81e-01	0.562	0.289	0.00e+00
INKA2	0.00e+00	7.97e-01	0.554	0.214	0.00e+00

INO80	0.00e+00	4.90e-01	0.801	0.64	0.00e+00
INPP4A	0.00e+00	5.56e-01	0.924	0.789	0.00e+00
INPP4B	0.00e+00	3.70e-01	0.9	0.783	0.00e+00
INPP5A	0.00e+00	4.71e-01	0.617	0.448	0.00e+00
INPP5B	0.00e+00	4.95e-01	0.69	0.463	0.00e+00
INTS1	0.00e+00	5.31e-01	0.617	0.355	0.00e+00
INTS10	0.00e+00	5.33e-01	0.809	0.653	0.00e+00
INTS3	0.00e+00	3.70e-01	0.634	0.46	0.00e+00
INTS6	0.00e+00	4.36e-01	0.792	0.641	0.00e+00
INTS6L	0.00e+00	8.08e-01	0.646	0.354	0.00e+00
INTU	0.00e+00	5.88e-01	0.86	0.676	0.00e+00
INVS	0.00e+00	4.22e-01	0.896	0.789	0.00e+00
IPO11	0.00e+00	5.05e-01	0.709	0.484	0.00e+00
IPO5	0.00e+00	4.78e-01	0.643	0.438	0.00e+00
IPO9	0.00e+00	4.13e-01	0.777	0.64	0.00e+00
IPPK	0.00e+00	3.49e-01	0.506	0.332	0.00e+00
IQCA1	0.00e+00	7.94e-01	0.687	0.447	0.00e+00
IQCB1	0.00e+00	4.64e-01	0.799	0.622	0.00e+00
IQCH	0.00e+00	3.28e-01	0.504	0.338	0.00e+00
IQCJ	0.00e+00	1.79e+00	0.897	0.447	0.00e+00
IQSEC1	0.00e+00	9.02e-01	0.917	0.748	0.00e+00
IQSEC2	0.00e+00	8.13e-01	0.812	0.535	0.00e+00
IRAG2	0.00e+00	1.81e+00	0.713	0.083	0.00e+00
IRAK1BP1	0.00e+00	3.99e-01	0.876	0.744	0.00e+00
IRS2	0.00e+00	3.49e-01	0.61	0.45	0.00e+00
ITCH	0.00e+00	4.31e-01	0.85	0.732	0.00e+00



ITFG1	0.00e+00	3.73e-01	0.972	0.934	0.00e+00
ITGA6	0.00e+00	-4.67e-01	0.072	0.224	0.00e+00
ITGA9	0.00e+00	1.14e+00	0.796	0.489	0.00e+00
ITGA9-AS1	0.00e+00	3.81e-01	0.708	0.504	0.00e+00
ITGAV	0.00e+00	3.84e-01	0.524	0.361	0.00e+00
ITGB1BP1	0.00e+00	3.07e-01	0.698	0.551	0.00e+00
ITGB8	0.00e+00	3.60e-01	0.709	0.549	0.00e+00
ITIH4	0.00e+00	4.51e-01	0.421	0.188	0.00e+00
ITM2C	0.00e+00	-6.43e-01	0.411	0.564	0.00e+00
ITPKA	0.00e+00	4.56e-01	0.355	0.105	0.00e+00
ITPKB	0.00e+00	-4.46e-01	0.02	0.141	0.00e+00
ITPR1	0.00e+00	2.68e-01	0.809	0.581	0.00e+00
ITPR2	0.00e+00	-1.20e+00	0.205	0.355	0.00e+00
ITPRID2	0.00e+00	4.94e-01	0.645	0.396	0.00e+00
JAG1	0.00e+00	6.05e-01	0.49	0.233	0.00e+00
JAK1	0.00e+00	4.50e-01	0.949	0.864	0.00e+00
JAK2	0.00e+00	3.24e-01	0.849	0.721	0.00e+00
JAKMIP1	0.00e+00	5.72e-01	0.888	0.696	0.00e+00
JAKMIP2	0.00e+00	5.48e-01	0.96	0.879	0.00e+00
JAKMIP3	0.00e+00	5.16e-01	0.688	0.495	0.00e+00
JAM3	0.00e+00	4.32e-01	0.802	0.63	0.00e+00
JARID2	0.00e+00	3.37e-01	0.855	0.748	0.00e+00
JAZF1	0.00e+00	8.14e-01	0.98	0.891	0.00e+00
JAZF1-AS1	0.00e+00	5.27e-01	0.52	0.267	0.00e+00
JMJD1C	0.00e+00	5.68e-01	0.992	0.977	0.00e+00
JPH1	0.00e+00	5.16e-01	0.631	0.38	0.00e+00

JPH3	0.00e+00	5.13e-01	0.7	0.496	0.00e+00
JPH4	0.00e+00	5.55e-01	0.876	0.709	0.00e+00
JUN	0.00e+00	4.37e-01	0.348	0.123	0.00e+00
KALRN	0.00e+00	8.68e-01	0.994	0.906	0.00e+00
KANSL1	0.00e+00	5.42e-01	0.973	0.948	0.00e+00
KANTR	0.00e+00	4.44e-01	0.854	0.739	0.00e+00
KAT2A	0.00e+00	3.42e-01	0.568	0.387	0.00e+00
KAT6B	0.00e+00	4.22e-01	0.918	0.825	0.00e+00
KATNAL1	0.00e+00	4.84e-01	0.787	0.566	0.00e+00
KATNBL1	0.00e+00	2.99e-01	0.849	0.751	0.00e+00
KAZN	0.00e+00	4.96e-01	0.998	0.939	0.00e+00
KCNA4	0.00e+00	3.05e-01	0.385	0.202	0.00e+00
KCNAB2	0.00e+00	7.16e-01	0.725	0.462	0.00e+00
KCNB1	0.00e+00	8.45e-01	0.919	0.695	0.00e+00
KCNB2	0.00e+00	4.10e-01	0.814	0.62	0.00e+00
KCNC3	0.00e+00	2.98e-01	0.401	0.24	0.00e+00
KCNC4	0.00e+00	7.29e-01	0.575	0.207	0.00e+00
KCND3	0.00e+00	1.06e+00	0.922	0.713	0.00e+00
KCNG1	0.00e+00	7.31e-01	0.473	0.159	0.00e+00
KCNG3	0.00e+00	7.63e-01	0.495	0.132	0.00e+00
KCNH1	0.00e+00	1.10e+00	0.818	0.475	0.00e+00
KCNH3	0.00e+00	9.55e-01	0.792	0.384	0.00e+00
KCNH7	0.00e+00	1.22e+00	0.918	0.714	0.00e+00
KCNH7-AS1	0.00e+00	3.61e-01	0.297	0.162	0.00e+00
KCNIP1	0.00e+00	-1.76e+00	0.145	0.593	0.00e+00
KCNIP2	0.00e+00	4.22e-01	0.64	0.442	0.00e+00

KCNIP3	0.00e+00	7.13e-01	0.599	0.309	0.00e+00
KCNIP4	0.00e+00	9.83e-01	0.998	0.889	0.00e+00
KCNJ3	0.00e+00	9.01e-01	0.966	0.68	0.00e+00
KCNJ6	0.00e+00	8.55e-01	0.915	0.606	0.00e+00
KCNK1	0.00e+00	1.29e+00	0.839	0.451	0.00e+00
KCNK2	0.00e+00	9.22e-01	0.521	0.255	0.00e+00
KCNK4	0.00e+00	3.19e-01	0.313	0.125	0.00e+00
KCNMA1	0.00e+00	1.18e+00	0.998	0.912	0.00e+00
KCNMB2	0.00e+00	7.21e-01	0.751	0.338	0.00e+00
KCNMB4	0.00e+00	6.68e-01	0.814	0.494	0.00e+00
KCNN1	0.00e+00	4.07e-01	0.357	0.145	0.00e+00
KCNN2	0.00e+00	1.04e+00	0.769	0.528	0.00e+00
KCNN3	0.00e+00	8.93e-01	0.823	0.57	0.00e+00
KCNQ1OT1	0.00e+00	5.73e-01	0.835	0.685	0.00e+00
KCNQ2	0.00e+00	9.20e-01	0.848	0.611	0.00e+00
KCNQ3	0.00e+00	4.08e-01	0.953	0.857	0.00e+00
KCNQ5	0.00e+00	8.93e-01	0.966	0.71	0.00e+00
KCNT2	0.00e+00	7.49e-01	0.861	0.558	0.00e+00
KCNV1	0.00e+00	6.88e-01	0.435	0.083	0.00e+00
KCTD1	0.00e+00	8.97e-01	0.881	0.638	0.00e+00
KCTD16	0.00e+00	7.46e-01	0.963	0.779	0.00e+00
KCTD17	0.00e+00	3.91e-01	0.513	0.276	0.00e+00
KCTD4	0.00e+00	8.08e-01	0.454	0.106	0.00e+00
KCTD7	0.00e+00	4.28e-01	0.538	0.311	0.00e+00
KCTD8	0.00e+00	7.81e-01	0.738	0.571	0.00e+00
KCTD9	0.00e+00	3.26e-01	0.378	0.193	0.00e+00

KDM1A	0.00e+00	2.98e-01	0.769	0.636	0.00e+00
KDM2A	0.00e+00	4.20e-01	0.871	0.788	0.00e+00
KDM4A	0.00e+00	2.83e-01	0.466	0.303	0.00e+00
KDM4B	0.00e+00	4.60e-01	0.725	0.583	0.00e+00
KDM4C	0.00e+00	5.02e-01	0.95	0.873	0.00e+00
KDM5A	0.00e+00	5.43e-01	0.862	0.71	0.00e+00
KDM5B	0.00e+00	3.32e-01	0.767	0.639	0.00e+00
KDM7A	0.00e+00	4.33e-01	0.527	0.338	0.00e+00
KHDC1	0.00e+00	2.80e-01	0.573	0.417	0.00e+00
KHDRBS1	0.00e+00	3.25e-01	0.747	0.628	0.00e+00
KHDRBS2	0.00e+00	2.58e-01	0.965	0.829	0.00e+00
KHDRBS2-OT1	0.00e+00	2.85e-01	0.581	0.402	0.00e+00
KHDRBS3	0.00e+00	5.97e-01	0.949	0.641	0.00e+00
KIAA0232	0.00e+00	4.12e-01	0.879	0.787	0.00e+00
KIAA0319	0.00e+00	6.54e-01	0.871	0.642	0.00e+00
KIAA0319L	0.00e+00	4.21e-01	0.87	0.76	0.00e+00
KIAA0408	0.00e+00	4.27e-01	0.62	0.393	0.00e+00
KIAA0513	0.00e+00	4.59e-01	0.682	0.496	0.00e+00
KIAA0753	0.00e+00	5.50e-01	0.696	0.48	0.00e+00
KIAA0825	0.00e+00	5.91e-01	0.953	0.807	0.00e+00
KIAA0930	0.00e+00	1.02e+00	0.916	0.666	0.00e+00
KIAA1109	0.00e+00	2.73e-01	0.949	0.907	0.00e+00
KIAA1217	0.00e+00	-1.91e+00	0.42	0.612	0.00e+00
KIAA1328	0.00e+00	7.31e-01	0.925	0.793	0.00e+00
KIAA1549	0.00e+00	9.13e-01	0.849	0.599	0.00e+00
KIAA1549L	0.00e+00	3.92e-01	0.912	0.793	0.00e+00

KIAA1841	0.00e+00	7.20e-01	0.864	0.631	0.00e+00
KIAA2012	0.00e+00	5.20e-01	0.529	0.326	0.00e+00
KIAA2026	0.00e+00	4.38e-01	0.88	0.779	0.00e+00
KIF16B	0.00e+00	5.10e-01	0.808	0.653	0.00e+00
KIF17	0.00e+00	3.03e-01	0.346	0.166	0.00e+00
KIF1A	0.00e+00	3.96e-01	0.823	0.67	0.00e+00
KIF1B	0.00e+00	6.14e-01	0.981	0.943	0.00e+00
KIF21A	0.00e+00	2.60e-01	0.939	0.841	0.00e+00
KIF21B	0.00e+00	5.19e-01	0.592	0.369	0.00e+00
KIF3A	0.00e+00	4.97e-01	0.93	0.811	0.00e+00
KIF3B	0.00e+00	3.46e-01	0.613	0.441	0.00e+00
KIF3C	0.00e+00	4.74e-01	0.753	0.564	0.00e+00
KIF5A	0.00e+00	4.11e-01	0.786	0.572	0.00e+00
KIF5C	0.00e+00	5.58e-01	0.96	0.857	0.00e+00
KIF9	0.00e+00	3.80e-01	0.471	0.271	0.00e+00
KIFAP3	0.00e+00	4.91e-01	0.935	0.826	0.00e+00
KIFC2	0.00e+00	5.76e-01	0.788	0.537	0.00e+00
KIFC3	0.00e+00	2.63e-01	0.451	0.3	0.00e+00
KIRREL3	0.00e+00	7.25e-01	0.955	0.746	0.00e+00
KIT	0.00e+00	-6.47e-01	0.034	0.155	0.00e+00
KITLG	0.00e+00	7.74e-01	0.572	0.231	0.00e+00
KLC1	0.00e+00	5.71e-01	0.886	0.746	0.00e+00
KLF6	0.00e+00	2.89e-01	0.357	0.174	0.00e+00
KLF9	0.00e+00	2.83e-01	0.392	0.221	0.00e+00
KLHDC10	0.00e+00	5.12e-01	0.874	0.727	0.00e+00
KLHL2	0.00e+00	4.49e-01	0.841	0.641	0.00e+00

KLHL22	0.00e+00	5.39e-01	0.724	0.548	0.00e+00
KLHL23	0.00e+00	5.67e-01	0.822	0.649	0.00e+00
KLHL24	0.00e+00	3.56e-01	0.826	0.711	0.00e+00
KLHL29	0.00e+00	3.08e-01	0.862	0.696	0.00e+00
KLHL3	0.00e+00	6.25e-01	0.886	0.7	0.00e+00
KLHL32	0.00e+00	-7.60e-01	0.521	0.701	0.00e+00
KLHL4	0.00e+00	6.69e-01	0.577	0.318	0.00e+00
KLHL5	0.00e+00	3.83e-01	0.818	0.638	0.00e+00
KLHL7	0.00e+00	3.49e-01	0.796	0.671	0.00e+00
KLK7	0.00e+00	4.26e-01	0.254	0.031	0.00e+00
KLRD1	0.00e+00	6.05e-01	0.512	0.283	0.00e+00
KMT2A	0.00e+00	4.29e-01	0.945	0.888	0.00e+00
KMT2C	0.00e+00	4.01e-01	0.954	0.914	0.00e+00
KMT2E	0.00e+00	3.12e-01	0.934	0.888	0.00e+00
KMT5A	0.00e+00	2.53e-01	0.342	0.201	0.00e+00
KNDC1	0.00e+00	9.89e-01	0.794	0.494	0.00e+00
KPNA1	0.00e+00	5.20e-01	0.859	0.703	0.00e+00
KPNA3	0.00e+00	4.37e-01	0.826	0.681	0.00e+00
KPNA6	0.00e+00	3.13e-01	0.628	0.485	0.00e+00
KPNB1	0.00e+00	3.50e-01	0.78	0.648	0.00e+00
KRTAP5-AS1	0.00e+00	3.77e-01	0.48	0.285	0.00e+00
KSR2	0.00e+00	8.81e-01	0.98	0.83	0.00e+00
KTN1-AS1	0.00e+00	4.28e-01	0.474	0.272	0.00e+00
KYAT1	0.00e+00	3.29e-01	0.62	0.471	0.00e+00
L2HGDH	0.00e+00	3.03e-01	0.718	0.559	0.00e+00
L3HYPDH	0.00e+00	3.68e-01	0.482	0.297	0.00e+00

L3MBTL3	0.00e+00	4.74e-01	0.536	0.302	0.00e+00
LAMB1	0.00e+00	1.00e+00	0.767	0.379	0.00e+00
LAMC1	0.00e+00	3.51e-01	0.665	0.492	0.00e+00
LAMTOR5-AS1	0.00e+00	4.70e-01	0.575	0.341	0.00e+00
LANCL2	0.00e+00	7.40e-01	0.811	0.578	0.00e+00
LARGE1	0.00e+00	6.40e-01	0.969	0.861	0.00e+00
LARP1	0.00e+00	4.42e-01	0.853	0.739	0.00e+00
LARP1B	0.00e+00	6.29e-01	0.919	0.766	0.00e+00
LARP4B	0.00e+00	4.18e-01	0.848	0.725	0.00e+00
LARS1	0.00e+00	3.55e-01	0.754	0.576	0.00e+00
LARS2	0.00e+00	3.42e-01	0.664	0.516	0.00e+00
LATS1	0.00e+00	3.47e-01	0.746	0.614	0.00e+00
LCA5	0.00e+00	4.44e-01	0.523	0.289	0.00e+00
LCMT1	0.00e+00	4.36e-01	0.696	0.512	0.00e+00
LCOR	0.00e+00	4.43e-01	0.928	0.855	0.00e+00
LDB2	0.00e+00	1.70e+00	0.89	0.526	0.00e+00
LDLR	0.00e+00	4.24e-01	0.383	0.155	0.00e+00
LDLRAD4	0.00e+00	6.31e-01	0.915	0.771	0.00e+00
LENG8	0.00e+00	5.20e-01	0.8	0.601	0.00e+00
LEPR	0.00e+00	5.88e-01	0.579	0.319	0.00e+00
LETM1	0.00e+00	2.81e-01	0.447	0.291	0.00e+00
LGALSL-DT	0.00e+00	3.84e-01	0.516	0.325	0.00e+00
LGI4	0.00e+00	7.37e-01	0.583	0.178	0.00e+00
LHFPL3	0.00e+00	-1.26e+00	0.443	0.616	0.00e+00
LHFPL4	0.00e+00	4.14e-01	0.781	0.617	0.00e+00
LHFPL5	0.00e+00	4.06e-01	0.55	0.312	0.00e+00

LHFPL6	0.00e+00	7.35e-01	0.677	0.422	0.00e+00
LHPP	0.00e+00	3.99e-01	0.605	0.432	0.00e+00
LHX2	0.00e+00	7.95e-01	0.479	0.102	0.00e+00
LHX6	0.00e+00	-5.23e-01	0.01	0.144	0.00e+00
LIMCH1	0.00e+00	1.36e+00	0.993	0.876	0.00e+00
LIMS2	0.00e+00	3.44e-01	0.272	0.072	0.00e+00
LIN28B	0.00e+00	6.06e-01	0.551	0.248	0.00e+00
LIN28B-AS1	0.00e+00	3.05e-01	0.276	0.113	0.00e+00
LIN7A	0.00e+00	8.13e-01	0.833	0.578	0.00e+00
LINC00158	0.00e+00	2.96e-01	0.417	0.269	0.00e+00
LINC00159	0.00e+00	7.71e-01	0.577	0.271	0.00e+00
LINC00205	0.00e+00	3.78e-01	0.496	0.284	0.00e+00
LINC00276	0.00e+00	1.31e+00	0.631	0.261	0.00e+00
LINC00320	0.00e+00	9.10e-01	0.383	0.108	0.00e+00
LINC00342	0.00e+00	5.18e-01	0.754	0.568	0.00e+00
LINC00354	0.00e+00	-3.34e-01	0.02	0.17	0.00e+00
LINC00407	0.00e+00	4.05e-01	0.448	0.256	0.00e+00
LINC00457	0.00e+00	3.08e-01	0.189	0.054	0.00e+00
LINC00461	0.00e+00	5.90e-01	0.953	0.837	0.00e+00
LINC00504	0.00e+00	4.38e-01	0.375	0.207	0.00e+00
LINC00506	0.00e+00	6.78e-01	0.609	0.345	0.00e+00
LINC00513	0.00e+00	5.77e-01	0.755	0.616	0.00e+00
LINC00535	0.00e+00	3.85e-01	0.613	0.407	0.00e+00
LINC00551	0.00e+00	6.28e-01	0.5	0.228	0.00e+00
LINC00571	0.00e+00	4.88e-01	0.481	0.261	0.00e+00
LINC00578	0.00e+00	3.67e-01	0.271	0.125	0.00e+00



LINC00598	0.00e+00	5.06e-01	0.384	0.185	0.00e+00
LINC00620	0.00e+00	2.66e-01	0.231	0.096	0.00e+00
LINC00630	0.00e+00	4.52e-01	0.67	0.469	0.00e+00
LINC00632	0.00e+00	8.26e-01	0.995	0.892	0.00e+00
LINC00662	0.00e+00	4.15e-01	0.716	0.559	0.00e+00
LINC00683	0.00e+00	6.93e-01	0.404	0.143	0.00e+00
LINC00877	0.00e+00	2.96e-01	0.283	0.124	0.00e+00
LINC00882	0.00e+00	6.37e-01	0.972	0.866	0.00e+00
LINC00884	0.00e+00	4.07e-01	0.588	0.364	0.00e+00
LINC00886	0.00e+00	-4.41e-01	0.024	0.196	0.00e+00
LINC00894	0.00e+00	6.81e-01	0.774	0.537	0.00e+00
LINC00923	0.00e+00	1.30e+00	0.63	0.193	0.00e+00
LINC00937	0.00e+00	4.72e-01	0.653	0.411	0.00e+00
LINC00964	0.00e+00	3.10e-01	0.247	0.084	0.00e+00
LINC00970	0.00e+00	4.76e-01	0.557	0.312	0.00e+00
LINC01004	0.00e+00	5.81e-01	0.786	0.613	0.00e+00
LINC01006	0.00e+00	4.72e-01	0.593	0.394	0.00e+00
LINC01090	0.00e+00	1.58e+00	0.196	0.092	0.00e+00
LINC01102	0.00e+00	-3.69e-01	0.064	0.19	0.00e+00
LINC01118	0.00e+00	7.05e-01	0.511	0.227	0.00e+00
LINC01119	0.00e+00	2.83e-01	0.244	0.091	0.00e+00
LINC01122	0.00e+00	5.61e-01	0.922	0.675	0.00e+00
LINC01128	0.00e+00	2.76e-01	0.362	0.205	0.00e+00
LINC01135	0.00e+00	8.69e-01	0.461	0.177	0.00e+00
LINC01184	0.00e+00	4.71e-01	0.894	0.785	0.00e+00
LINC01197	0.00e+00	1.00e+00	0.746	0.271	0.00e+00

LINC01202	0.00e+00	5.42e-01	0.175	0.034	0.00e+00
LINC01208	0.00e+00	3.64e-01	0.223	0.094	0.00e+00
LINC01250	0.00e+00	1.05e+00	0.93	0.626	0.00e+00
LINC01252	0.00e+00	4.70e-01	0.638	0.417	0.00e+00
LINC01266	0.00e+00	8.98e-01	0.29	0.105	0.00e+00
LINC01278	0.00e+00	5.79e-01	0.949	0.769	0.00e+00
LINC01301	0.00e+00	4.34e-01	0.514	0.291	0.00e+00
LINC01320	0.00e+00	5.09e-01	0.263	0.111	0.00e+00
LINC01322	0.00e+00	1.12e+00	0.906	0.593	0.00e+00
LINC01331	0.00e+00	2.51e+00	0.624	0.076	0.00e+00
LINC01357	0.00e+00	3.34e-01	0.389	0.207	0.00e+00
LINC01358	0.00e+00	1.10e+00	0.387	0.075	0.00e+00
LINC01374	0.00e+00	3.78e-01	0.245	0.115	0.00e+00
LINC01376	0.00e+00	5.44e-01	0.576	0.33	0.00e+00
LINC01378	0.00e+00	6.45e-01	0.229	0.069	0.00e+00
LINC01414	0.00e+00	3.82e-01	0.643	0.433	0.00e+00
LINC01435	0.00e+00	1.27e+00	0.422	0.138	0.00e+00
LINC01473	0.00e+00	5.16e-01	0.895	0.715	0.00e+00
LINC01476	0.00e+00	8.05e-01	0.41	0.09	0.00e+00
LINC01484	0.00e+00	3.97e-01	0.2	0.036	0.00e+00
LINC01500	0.00e+00	1.16e+00	0.382	0.1	0.00e+00
LINC01588	0.00e+00	3.86e-01	0.429	0.248	0.00e+00
LINC01622	0.00e+00	1.17e+00	0.453	0.027	0.00e+00
LINC01725	0.00e+00	3.89e-01	0.514	0.293	0.00e+00
LINC01748	0.00e+00	3.76e-01	0.374	0.209	0.00e+00
LINC01771	0.00e+00	2.52e-01	0.31	0.164	0.00e+00

LINC01776	0.00e+00	2.89e-01	0.573	0.343	0.00e+00
LINC01807	0.00e+00	5.35e-01	0.333	0.114	0.00e+00
LINC01811	0.00e+00	7.22e-01	0.557	0.215	0.00e+00
LINC01821	0.00e+00	2.23e+00	0.417	0.067	0.00e+00
LINC01865	0.00e+00	3.91e-01	0.209	0.026	0.00e+00
LINC01885	0.00e+00	1.36e+00	0.56	0.076	0.00e+00
LINC01903	0.00e+00	3.42e-01	0.133	0.01	0.00e+00
LINC01934	0.00e+00	3.33e-01	0.2	0.072	0.00e+00
LINC01937	0.00e+00	2.81e-01	0.293	0.149	0.00e+00
LINC02008	0.00e+00	4.92e-01	0.238	0.08	0.00e+00
LINC02018	0.00e+00	5.53e-01	0.626	0.345	0.00e+00
LINC02073	0.00e+00	1.15e+00	0.342	0.058	0.00e+00
LINC02175	0.00e+00	7.33e-01	0.621	0.317	0.00e+00
LINC02196	0.00e+00	8.44e-01	0.195	0.081	0.00e+00
LINC02210	0.00e+00	5.55e-01	0.629	0.397	0.00e+00
LINC02217	0.00e+00	3.32e-01	0.324	0.095	0.00e+00
LINC02223	0.00e+00	3.87e-01	0.601	0.34	0.00e+00
LINC02224	0.00e+00	4.26e-01	0.335	0.176	0.00e+00
LINC02237	0.00e+00	7.87e-01	0.283	0.036	0.00e+00
LINC02245	0.00e+00	6.36e-01	0.773	0.539	0.00e+00
LINC02246	0.00e+00	5.73e-01	0.406	0.155	0.00e+00
LINC02248	0.00e+00	6.09e-01	0.175	0.024	0.00e+00
LINC02253	0.00e+00	3.90e-01	0.23	0.059	0.00e+00
LINC02254	0.00e+00	8.93e-01	0.419	0.097	0.00e+00
LINC02296	0.00e+00	7.99e-01	0.222	0.049	0.00e+00
LINC02307	0.00e+00	4.18e-01	0.106	0.028	0.00e+00

LINC02338	0.00e+00	3.60e-01	0.161	0.021	0.00e+00
LINC02343	0.00e+00	3.16e-01	0.182	0.061	0.00e+00
LINC02346	0.00e+00	1.15e+00	0.523	0.095	0.00e+00
LINC02389	0.00e+00	9.51e-01	0.778	0.474	0.00e+00
LINC02398	0.00e+00	5.56e-01	0.635	0.363	0.00e+00
LINC02458	0.00e+00	5.04e-01	0.233	0.066	0.00e+00
LINC02595	0.00e+00	5.15e-01	0.459	0.169	0.00e+00
LINC02607	0.00e+00	5.14e-01	0.317	0.094	0.00e+00
LINC02609	0.00e+00	1.24e+00	0.62	0.105	0.00e+00
LINC02613	0.00e+00	5.42e-01	0.286	0.075	0.00e+00
LINC02614	0.00e+00	4.00e-01	0.563	0.327	0.00e+00
LINC02615	0.00e+00	4.44e-01	0.406	0.207	0.00e+00
LINC02641	0.00e+00	9.85e-01	0.47	0.123	0.00e+00
LINC02646	0.00e+00	3.43e-01	0.394	0.236	0.00e+00
LINC02653	0.00e+00	1.05e+00	0.311	0.068	0.00e+00
LINC02669	0.00e+00	5.05e-01	0.241	0.02	0.00e+00
LINC02691	0.00e+00	5.42e-01	0.26	0.092	0.00e+00
LINC02693	0.00e+00	8.47e-01	0.771	0.501	0.00e+00
LINC02698	0.00e+00	6.53e-01	0.35	0.152	0.00e+00
LINC02755	0.00e+00	1.08e+00	0.694	0.292	0.00e+00
LINC02762	0.00e+00	3.64e-01	0.347	0.147	0.00e+00
LINC02763	0.00e+00	3.55e-01	0.219	0.062	0.00e+00
LINC02774	0.00e+00	6.51e-01	0.496	0.191	0.00e+00
LINC02798	0.00e+00	8.04e-01	0.6	0.316	0.00e+00
LINC02803	0.00e+00	4.58e-01	0.464	0.229	0.00e+00
LINC02885	0.00e+00	4.19e-01	0.393	0.167	0.00e+00

LINGO1	0.00e+00	8.25e-01	0.778	0.426	0.00e+00
LINGO2	0.00e+00	1.27e+00	0.973	0.657	0.00e+00
LINS1	0.00e+00	3.04e-01	0.505	0.339	0.00e+00
LIPA	0.00e+00	9.24e-01	0.822	0.568	0.00e+00
LIPC	0.00e+00	2.58e-01	0.156	0.038	0.00e+00
LIPE-AS1	0.00e+00	7.30e-01	0.764	0.513	0.00e+00
LIX1-AS1	0.00e+00	3.73e-01	0.498	0.322	0.00e+00
LMBRD1	0.00e+00	4.31e-01	0.907	0.801	0.00e+00
LMBRD2	0.00e+00	3.56e-01	0.735	0.576	0.00e+00
LMF1	0.00e+00	6.21e-01	0.683	0.476	0.00e+00
LMO3	0.00e+00	1.23e+00	0.931	0.603	0.00e+00
LMO7	0.00e+00	5.53e-01	0.923	0.717	0.00e+00
LMTK2	0.00e+00	7.61e-01	0.879	0.657	0.00e+00
LMTK3	0.00e+00	3.73e-01	0.729	0.585	0.00e+00
LNPK	0.00e+00	3.53e-01	0.719	0.561	0.00e+00
LNX1	0.00e+00	7.62e-01	0.826	0.53	0.00e+00
LONP2	0.00e+00	4.79e-01	0.913	0.832	0.00e+00
LONRF1	0.00e+00	3.14e-01	0.626	0.478	0.00e+00
LONRF2	0.00e+00	9.37e-01	0.939	0.784	0.00e+00
LONRF3	0.00e+00	4.28e-01	0.303	0.107	0.00e+00
LPAR1	0.00e+00	-6.55e-01	0.019	0.137	0.00e+00
LRATD1	0.00e+00	4.54e-01	0.54	0.324	0.00e+00
LRBA	0.00e+00	3.22e-01	0.95	0.898	0.00e+00
LRCH2	0.00e+00	3.78e-01	0.704	0.532	0.00e+00
LRCH3	0.00e+00	4.52e-01	0.845	0.746	0.00e+00
LRFN2	0.00e+00	9.71e-01	0.839	0.492	0.00e+00

LRFN5	0.00e+00	9.39e-01	0.984	0.835	0.00e+00
LRGUK	0.00e+00	7.49e-01	0.61	0.304	0.00e+00
LRIG2-DT	0.00e+00	2.97e-01	0.446	0.27	0.00e+00
LRP12	0.00e+00	4.09e-01	0.836	0.665	0.00e+00
LRP1B	0.00e+00	6.28e-01	0.993	0.953	0.00e+00
LRRC1	0.00e+00	-5.83e-01	0.243	0.408	0.00e+00
LRRC27	0.00e+00	3.59e-01	0.461	0.269	0.00e+00
LRRC28	0.00e+00	7.14e-01	0.882	0.68	0.00e+00
LRRC37A17P	0.00e+00	5.75e-01	0.578	0.335	0.00e+00
LRRC37A2	0.00e+00	3.50e-01	0.407	0.272	0.00e+00
LRRC37B	0.00e+00	5.29e-01	0.748	0.534	0.00e+00
LRRC39	0.00e+00	4.13e-01	0.415	0.255	0.00e+00
LRRC49	0.00e+00	2.85e-01	0.864	0.736	0.00e+00
LRRC4B	0.00e+00	4.31e-01	0.764	0.647	0.00e+00
LRRC4C	0.00e+00	1.04e+00	0.998	0.916	0.00e+00
LRRC6	0.00e+00	5.89e-01	0.82	0.601	0.00e+00
LRRC66	0.00e+00	2.85e-01	0.266	0.108	0.00e+00
LRRC7	0.00e+00	5.09e-01	0.999	0.924	0.00e+00
LRRC8B	0.00e+00	8.22e-01	0.894	0.678	0.00e+00
LRRFIP1	0.00e+00	8.20e-01	0.94	0.797	0.00e+00
LRRFIP2	0.00e+00	4.36e-01	0.925	0.835	0.00e+00
LRRIQ1	0.00e+00	5.83e-01	0.654	0.348	0.00e+00
LRRK1	0.00e+00	1.71e+00	0.776	0.139	0.00e+00
LRRK2	0.00e+00	2.64e-01	0.617	0.45	0.00e+00
LRRN1	0.00e+00	4.23e-01	0.75	0.553	0.00e+00
LRRN2	0.00e+00	6.83e-01	0.788	0.584	0.00e+00

LRRTM4	0.00e+00	1.12e+00	0.988	0.88	0.00e+00
LRSAM1	0.00e+00	4.71e-01	0.658	0.453	0.00e+00
LSAMP	0.00e+00	7.71e-01	0.992	0.964	0.00e+00
LSP1P4	0.00e+00	2.87e-01	0.38	0.216	0.00e+00
LSP1P5	0.00e+00	3.98e-01	0.517	0.309	0.00e+00
LTBP1	0.00e+00	-6.62e-01	0.111	0.265	0.00e+00
LTBP4	0.00e+00	5.34e-01	0.576	0.342	0.00e+00
LTO1	0.00e+00	3.53e-01	0.446	0.25	0.00e+00
LUC7L	0.00e+00	4.49e-01	0.826	0.688	0.00e+00
LUC7L2	0.00e+00	5.83e-01	0.945	0.804	0.00e+00
LUC7L3	0.00e+00	3.78e-01	0.966	0.931	0.00e+00
LUZP1	0.00e+00	4.02e-01	0.779	0.627	0.00e+00
LUZP2	0.00e+00	4.00e-01	0.892	0.658	0.00e+00
LY6E-DT	0.00e+00	3.28e-01	0.447	0.283	0.00e+00
LY86-AS1	0.00e+00	1.70e+00	0.575	0.093	0.00e+00
LYPD6	0.00e+00	-4.85e-01	0.013	0.143	0.00e+00
LYPD9P	0.00e+00	6.92e-01	0.337	0.068	0.00e+00
LYPLAL1	0.00e+00	4.11e-01	0.767	0.617	0.00e+00
LYRM4	0.00e+00	5.67e-01	0.745	0.533	0.00e+00
LYST	0.00e+00	8.16e-01	0.937	0.807	0.00e+00
LZTS1	0.00e+00	7.70e-01	0.604	0.314	0.00e+00
LZTS3	0.00e+00	6.80e-01	0.685	0.417	0.00e+00
M1AP	0.00e+00	6.57e-01	0.347	0.053	0.00e+00
MACF1	0.00e+00	4.88e-01	0.986	0.97	0.00e+00
MACIR	0.00e+00	5.31e-01	0.578	0.297	0.00e+00
MACO1	0.00e+00	3.18e-01	0.796	0.666	0.00e+00

MACROD2	0.00e+00	4.20e-01	0.998	0.938	0.00e+00
MACROH2A1	0.00e+00	5.03e-01	0.781	0.555	0.00e+00
MADD	0.00e+00	4.44e-01	0.664	0.442	0.00e+00
MAF	0.00e+00	-5.76e-01	0.013	0.191	0.00e+00
MAGI1	0.00e+00	4.56e-01	0.98	0.928	0.00e+00
MAGI2	0.00e+00	7.15e-01	0.995	0.972	0.00e+00
MAGI2-AS3	0.00e+00	4.02e-01	0.567	0.382	0.00e+00
MAGI3	0.00e+00	1.09e+00	0.926	0.579	0.00e+00
MAL2	0.00e+00	3.87e-01	0.509	0.273	0.00e+00
MALAT1	0.00e+00	6.10e-01	1.0	1.0	0.00e+00
MAMDC2	0.00e+00	6.97e-01	0.521	0.184	0.00e+00
MAML2	0.00e+00	-1.51e+00	0.277	0.521	0.00e+00
MAML3	0.00e+00	4.56e-01	0.82	0.602	0.00e+00
MAMLD1	0.00e+00	4.63e-01	0.63	0.4	0.00e+00
MAN1A1	0.00e+00	9.34e-01	0.751	0.434	0.00e+00
MAN1A2	0.00e+00	4.81e-01	0.939	0.827	0.00e+00
MAN1C1	0.00e+00	6.90e-01	0.771	0.513	0.00e+00
MAN2C1	0.00e+00	4.58e-01	0.641	0.435	0.00e+00
MAP1A	0.00e+00	2.76e-01	0.631	0.479	0.00e+00
MAP1B	0.00e+00	6.35e-01	0.986	0.896	0.00e+00
MAP2	0.00e+00	8.52e-01	0.999	0.915	0.00e+00
MAP2K1	0.00e+00	3.24e-01	0.83	0.681	0.00e+00
MAP2K4	0.00e+00	6.14e-01	0.957	0.858	0.00e+00
MAP2K5	0.00e+00	7.05e-01	0.951	0.852	0.00e+00
MAP3K10	0.00e+00	2.89e-01	0.446	0.29	0.00e+00
MAP3K13	0.00e+00	3.13e-01	0.899	0.796	0.00e+00



MAP3K2	0.00e+00	6.99e-01	0.907	0.764	0.00e+00
MAP3K21	0.00e+00	3.21e-01	0.598	0.423	0.00e+00
MAP3K4	0.00e+00	3.96e-01	0.772	0.639	0.00e+00
MAP3K5	0.00e+00	1.54e+00	0.961	0.673	0.00e+00
MAP3K7	0.00e+00	4.79e-01	0.817	0.653	0.00e+00
MAP3K9	0.00e+00	3.75e-01	0.658	0.466	0.00e+00
MAP4	0.00e+00	4.07e-01	0.827	0.688	0.00e+00
MAP4K3	0.00e+00	7.14e-01	0.948	0.857	0.00e+00
MAP4K3-DT	0.00e+00	1.18e+00	0.911	0.589	0.00e+00
MAP4K4	0.00e+00	3.63e-01	0.913	0.819	0.00e+00
MAP4K5	0.00e+00	4.53e-01	0.917	0.83	0.00e+00
MAP6	0.00e+00	6.43e-01	0.853	0.616	0.00e+00
MAP7	0.00e+00	6.73e-01	0.979	0.877	0.00e+00
MAP7D2	0.00e+00	4.27e-01	0.76	0.568	0.00e+00
MAPK1	0.00e+00	6.23e-01	0.928	0.808	0.00e+00
MAPK10	0.00e+00	6.88e-01	0.996	0.94	0.00e+00
MAPK11	0.00e+00	3.11e-01	0.386	0.199	0.00e+00
MAPK14	0.00e+00	5.35e-01	0.86	0.704	0.00e+00
MAPK3	0.00e+00	2.51e-01	0.389	0.229	0.00e+00
MAPK8	0.00e+00	5.53e-01	0.954	0.853	0.00e+00
MAPK8IP3	0.00e+00	6.48e-01	0.851	0.69	0.00e+00
MAPKAP1	0.00e+00	3.42e-01	0.851	0.756	0.00e+00
MAPKBP1	0.00e+00	6.38e-01	0.826	0.637	0.00e+00
MAPRE2	0.00e+00	8.01e-01	0.949	0.835	0.00e+00
MAPRE3	0.00e+00	3.32e-01	0.752	0.603	0.00e+00
MAPT	0.00e+00	8.24e-01	0.967	0.872	0.00e+00

MARCHF3	0.00e+00	-8.62e-01	0.175	0.395	0.00e+00
MARCHF7	0.00e+00	4.21e-01	0.79	0.599	0.00e+00
MARCKSL1	0.00e+00	-4.37e-01	0.093	0.309	0.00e+00
MARK1	0.00e+00	5.54e-01	0.929	0.795	0.00e+00
MARK2	0.00e+00	4.64e-01	0.731	0.568	0.00e+00
MARK3	0.00e+00	4.11e-01	0.924	0.867	0.00e+00
MARK4	0.00e+00	3.92e-01	0.692	0.557	0.00e+00
MARS1	0.00e+00	3.86e-01	0.514	0.323	0.00e+00
MAS1	0.00e+00	3.61e-01	0.24	0.032	0.00e+00
MAST1	0.00e+00	7.07e-01	0.828	0.576	0.00e+00
MAST3	0.00e+00	9.35e-01	0.777	0.435	0.00e+00
MATK	0.00e+00	4.43e-01	0.468	0.233	0.00e+00
MATN2	0.00e+00	9.82e-01	0.55	0.266	0.00e+00
MAX	0.00e+00	3.78e-01	0.73	0.579	0.00e+00
MBD2	0.00e+00	3.52e-01	0.676	0.52	0.00e+00
MBD5	0.00e+00	6.66e-01	0.992	0.968	0.00e+00
MBNL1	0.00e+00	5.36e-01	0.955	0.877	0.00e+00
MBNL2	0.00e+00	1.02e+00	0.974	0.82	0.00e+00
MBOAT2	0.00e+00	2.54e-01	0.866	0.729	0.00e+00
MBOAT7	0.00e+00	3.03e-01	0.583	0.415	0.00e+00
MCC	0.00e+00	-6.46e-01	0.126	0.289	0.00e+00
MCCC1	0.00e+00	4.61e-01	0.785	0.629	0.00e+00
MCF2L	0.00e+00	4.59e-01	0.763	0.59	0.00e+00
MCF2L2	0.00e+00	4.58e-01	0.946	0.839	0.00e+00
MCHR2	0.00e+00	6.52e-01	0.376	0.154	0.00e+00
MCPH1	0.00e+00	6.51e-01	0.874	0.709	0.00e+00

MCPH1-AS1	0.00e+00	3.74e-01	0.63	0.45	0.00e+00
MCTP1	0.00e+00	6.55e-01	0.952	0.746	0.00e+00
MCU	0.00e+00	7.50e-01	0.808	0.51	0.00e+00
MDM4	0.00e+00	3.52e-01	0.829	0.728	0.00e+00
ME1	0.00e+00	7.18e-01	0.9	0.689	0.00e+00
MEAK7	0.00e+00	3.35e-01	0.463	0.27	0.00e+00
MECR	0.00e+00	3.41e-01	0.476	0.301	0.00e+00
MED12L	0.00e+00	4.83e-01	0.917	0.78	0.00e+00
MED13	0.00e+00	3.79e-01	0.872	0.79	0.00e+00
MED15	0.00e+00	5.34e-01	0.752	0.576	0.00e+00
MED27	0.00e+00	8.52e-01	0.888	0.7	0.00e+00
MED4	0.00e+00	3.40e-01	0.659	0.511	0.00e+00
MEF2A	0.00e+00	2.63e-01	0.925	0.853	0.00e+00
MEF2C	0.00e+00	8.39e-01	0.951	0.77	0.00e+00
MEF2C-AS1	0.00e+00	7.31e-01	0.918	0.731	0.00e+00
MEF2D	0.00e+00	3.66e-01	0.581	0.406	0.00e+00
MEG3	0.00e+00	1.51e+00	1.0	0.875	0.00e+00
MEG8	0.00e+00	9.30e-01	0.996	0.863	0.00e+00
MEG9	0.00e+00	2.65e-01	0.357	0.199	0.00e+00
MEGF11	0.00e+00	7.73e-01	0.532	0.261	0.00e+00
MEGF9	0.00e+00	5.20e-01	0.808	0.647	0.00e+00
MEIKIN	0.00e+00	3.92e-01	0.319	0.149	0.00e+00
MEIS1	0.00e+00	-7.24e-01	0.14	0.362	0.00e+00
MEIS3	0.00e+00	1.07e+00	0.806	0.428	0.00e+00
MEMO1	0.00e+00	6.70e-01	0.925	0.747	0.00e+00
MEPE	0.00e+00	3.11e-01	0.128	0.012	0.00e+00

MEST	0.00e+00	3.34e-01	0.71	0.507	0.00e+00
METTL15	0.00e+00	5.04e-01	0.864	0.729	0.00e+00
METTL16	0.00e+00	3.99e-01	0.613	0.455	0.00e+00
METTL21EP	0.00e+00	3.47e-01	0.402	0.205	0.00e+00
METTL6	0.00e+00	3.65e-01	0.723	0.58	0.00e+00
METTL9	0.00e+00	3.15e-01	0.615	0.452	0.00e+00
MFAP3	0.00e+00	5.40e-01	0.704	0.505	0.00e+00
MFAP3L	0.00e+00	5.03e-01	0.581	0.343	0.00e+00
MFF	0.00e+00	3.08e-01	0.782	0.668	0.00e+00
MFSD1	0.00e+00	3.23e-01	0.589	0.429	0.00e+00
MFSD10	0.00e+00	4.12e-01	0.545	0.325	0.00e+00
MFSD4A	0.00e+00	9.26e-01	0.708	0.275	0.00e+00
MFSD4B	0.00e+00	5.70e-01	0.841	0.634	0.00e+00
MFSD6	0.00e+00	5.25e-01	0.791	0.59	0.00e+00
MGA	0.00e+00	4.17e-01	0.825	0.697	0.00e+00
MGAT3	0.00e+00	3.51e-01	0.586	0.426	0.00e+00
MGAT5B	0.00e+00	5.36e-01	0.595	0.348	0.00e+00
MGRN1	0.00e+00	3.31e-01	0.626	0.491	0.00e+00
MGST1	0.00e+00	1.11e+00	0.75	0.377	0.00e+00
MGST3	0.00e+00	3.81e-01	0.785	0.622	0.00e+00
MIA2	0.00e+00	3.63e-01	0.763	0.621	0.00e+00
MIAT	0.00e+00	7.08e-01	0.879	0.656	0.00e+00
MIB1	0.00e+00	5.24e-01	0.905	0.798	0.00e+00
MIB2	0.00e+00	3.05e-01	0.485	0.308	0.00e+00
MICAL2	0.00e+00	1.43e+00	0.894	0.461	0.00e+00
MICAL3	0.00e+00	9.16e-01	0.954	0.832	0.00e+00

MICALL2	0.00e+00	3.46e-01	0.437	0.24	0.00e+00
MICOS10	0.00e+00	2.94e-01	0.461	0.29	0.00e+00
MICU1	0.00e+00	9.03e-01	0.963	0.808	0.00e+00
MICU2	0.00e+00	4.28e-01	0.891	0.781	0.00e+00
MICU3	0.00e+00	5.17e-01	0.941	0.827	0.00e+00
MIDEAS	0.00e+00	2.78e-01	0.405	0.252	0.00e+00
MINDY2	0.00e+00	4.11e-01	0.767	0.573	0.00e+00
MINDY3	0.00e+00	5.05e-01	0.814	0.636	0.00e+00
MINK1	0.00e+00	5.10e-01	0.683	0.481	0.00e+00
MIPEP	0.00e+00	4.05e-01	0.696	0.521	0.00e+00
MIPOL1	0.00e+00	5.56e-01	0.892	0.718	0.00e+00
MIR100HG	0.00e+00	5.79e-01	0.959	0.786	0.00e+00
MIR124-1HG	0.00e+00	5.65e-01	0.874	0.634	0.00e+00
MIR124-2HG	0.00e+00	4.24e-01	0.848	0.644	0.00e+00
MIR137HG	0.00e+00	8.61e-01	0.969	0.735	0.00e+00
MIR2052HG	0.00e+00	1.57e+00	0.81	0.384	0.00e+00
MIR222HG	0.00e+00	9.93e-01	0.821	0.441	0.00e+00
MIR29B2CHG	0.00e+00	5.72e-01	0.877	0.737	0.00e+00
MIR31HG	0.00e+00	6.34e-01	0.266	0.08	0.00e+00
MIR4435-2HG	0.00e+00	1.78e+00	0.873	0.377	0.00e+00
MIR4500HG	0.00e+00	1.11e+00	0.739	0.413	0.00e+00
MIR646HG	0.00e+00	1.03e+00	0.541	0.375	0.00e+00
MIR7-3HG	0.00e+00	4.11e-01	0.505	0.3	0.00e+00
MIR99AHG	0.00e+00	6.09e-01	0.971	0.939	0.00e+00
MIS18BP1	0.00e+00	3.81e-01	0.481	0.284	0.00e+00
MKKS	0.00e+00	3.34e-01	0.584	0.412	0.00e+00

MKLN1	0.00e+00	7.72e-01	0.978	0.93	0.00e+00
MKNK1	0.00e+00	5.13e-01	0.713	0.491	0.00e+00
MKRN3	0.00e+00	-3.71e-01	0.025	0.153	0.00e+00
MLF1	0.00e+00	3.27e-01	0.487	0.311	0.00e+00
MLIP	0.00e+00	1.20e+00	0.808	0.213	0.00e+00
MLLT10	0.00e+00	4.77e-01	0.953	0.874	0.00e+00
MLLT3	0.00e+00	7.78e-01	0.979	0.883	0.00e+00
MLXIPL	0.00e+00	5.06e-01	0.503	0.259	0.00e+00
MMADHC-DT	0.00e+00	4.82e-01	0.524	0.298	0.00e+00
MMD	0.00e+00	6.60e-01	0.655	0.337	0.00e+00
MMP16	0.00e+00	5.65e-01	0.97	0.775	0.00e+00
MMP17	0.00e+00	4.30e-01	0.696	0.493	0.00e+00
MNAT1	0.00e+00	5.36e-01	0.927	0.808	0.00e+00
MOB1B	0.00e+00	3.12e-01	0.62	0.464	0.00e+00
MOK	0.00e+00	5.52e-01	0.766	0.559	0.00e+00
MON2	0.00e+00	4.73e-01	0.948	0.89	0.00e+00
MORC3	0.00e+00	4.72e-01	0.682	0.505	0.00e+00
MORF4L2	0.00e+00	2.87e-01	0.835	0.706	0.00e+00
MORN1	0.00e+00	2.89e-01	0.37	0.202	0.00e+00
MOXD1	0.00e+00	1.50e+00	0.528	0.174	0.00e+00
MPDZ	0.00e+00	7.78e-01	0.953	0.811	0.00e+00
MPHOSPH6	0.00e+00	3.52e-01	0.652	0.478	0.00e+00
MPHOSPH8	0.00e+00	5.59e-01	0.895	0.787	0.00e+00
MPHOSPH9	0.00e+00	3.93e-01	0.843	0.704	0.00e+00
MPP2	0.00e+00	4.17e-01	0.584	0.386	0.00e+00
MPP3	0.00e+00	3.35e-01	0.289	0.129	0.00e+00

MPP6	0.00e+00	3.44e-01	0.822	0.643	0.00e+00
MPP7	0.00e+00	8.04e-01	0.659	0.456	0.00e+00
MPRIIP	0.00e+00	5.25e-01	0.873	0.754	0.00e+00
MRAS	0.00e+00	3.64e-01	0.598	0.433	0.00e+00
MRE11	0.00e+00	3.34e-01	0.579	0.409	0.00e+00
MRI1	0.00e+00	3.24e-01	0.592	0.423	0.00e+00
MRNIP	0.00e+00	3.17e-01	0.583	0.416	0.00e+00
MROH1	0.00e+00	7.41e-01	0.809	0.561	0.00e+00
MRPL1	0.00e+00	3.40e-01	0.644	0.47	0.00e+00
MRPL41	0.00e+00	9.19e-01	0.82	0.449	0.00e+00
MRPL45P2	0.00e+00	3.89e-01	0.614	0.422	0.00e+00
MRPS30-DT	0.00e+00	3.90e-01	0.688	0.524	0.00e+00
MRPS5	0.00e+00	3.07e-01	0.761	0.622	0.00e+00
MRTFA	0.00e+00	8.63e-01	0.893	0.662	0.00e+00
MRTFB	0.00e+00	1.14e+00	0.966	0.75	0.00e+00
MSANTD3	0.00e+00	3.10e-01	0.503	0.334	0.00e+00
MSC-AS1	0.00e+00	1.88e+00	0.354	0.053	0.00e+00
MSH2	0.00e+00	3.47e-01	0.812	0.674	0.00e+00
MSH3	0.00e+00	4.85e-01	0.88	0.756	0.00e+00
MSH4	0.00e+00	2.90e-01	0.368	0.227	0.00e+00
MSL1	0.00e+00	3.29e-01	0.672	0.513	0.00e+00
MSMO1	0.00e+00	4.17e-01	0.616	0.398	0.00e+00
MSRA	0.00e+00	9.78e-01	0.925	0.829	0.00e+00
MTA3	0.00e+00	1.00e+00	0.903	0.702	0.00e+00
MTARC2	0.00e+00	4.33e-01	0.489	0.257	0.00e+00
MTERF1	0.00e+00	8.86e-01	0.86	0.618	0.00e+00

MTF1	0.00e+00	3.21e-01	0.451	0.284	0.00e+00
MTF2	0.00e+00	4.45e-01	0.863	0.718	0.00e+00
MTFMT	0.00e+00	3.45e-01	0.689	0.517	0.00e+00
MTHFD1	0.00e+00	3.29e-01	0.488	0.326	0.00e+00
MTHFD1L	0.00e+00	3.06e-01	0.821	0.69	0.00e+00
MTM1	0.00e+00	4.76e-01	0.727	0.523	0.00e+00
MTMR1	0.00e+00	5.17e-01	0.8	0.633	0.00e+00
MTMR12	0.00e+00	8.34e-01	0.832	0.567	0.00e+00
MTMR7	0.00e+00	6.11e-01	0.901	0.758	0.00e+00
MTOR	0.00e+00	3.61e-01	0.722	0.585	0.00e+00
MTPN	0.00e+00	3.65e-01	0.647	0.469	0.00e+00
MTR	0.00e+00	4.66e-01	0.878	0.755	0.00e+00
MTSS1	0.00e+00	-5.75e-01	0.753	0.832	0.00e+00
MTSS2	0.00e+00	2.56e-01	0.521	0.35	0.00e+00
MTURN	0.00e+00	3.60e-01	0.713	0.517	0.00e+00
MTUS1	0.00e+00	-7.31e-01	0.265	0.52	0.00e+00
MTUS2	0.00e+00	2.50e-01	0.942	0.763	0.00e+00
MTX2	0.00e+00	3.59e-01	0.838	0.718	0.00e+00
MUC20-OT1	0.00e+00	3.13e-01	0.864	0.771	0.00e+00
MVD	0.00e+00	5.32e-01	0.681	0.41	0.00e+00
MXD1	0.00e+00	3.90e-01	0.63	0.45	0.00e+00
MYCBP2	0.00e+00	7.04e-01	0.992	0.958	0.00e+00
MYEF2	0.00e+00	3.05e-01	0.871	0.759	0.00e+00
MYH10	0.00e+00	5.60e-01	0.922	0.751	0.00e+00
MYH9	0.00e+00	1.05e+00	0.647	0.237	0.00e+00
MYO1D	0.00e+00	1.07e+00	0.889	0.555	0.00e+00



MYO3A	0.00e+00	-3.60e-01	0.019	0.131	0.00e+00
MYO5A	0.00e+00	5.77e-01	0.97	0.889	0.00e+00
MYO5C	0.00e+00	4.04e-01	0.428	0.203	0.00e+00
MYO6	0.00e+00	4.71e-01	0.939	0.855	0.00e+00
MYO9A	0.00e+00	5.76e-01	0.966	0.893	0.00e+00
MYOM2	0.00e+00	2.84e-01	0.325	0.172	0.00e+00
MYRIP	0.00e+00	6.10e-01	0.793	0.601	0.00e+00
MYSM1	0.00e+00	7.36e-01	0.846	0.615	0.00e+00
MYT1L	0.00e+00	6.21e-01	0.992	0.861	0.00e+00
MZF1	0.00e+00	3.40e-01	0.533	0.376	0.00e+00
N4BP1	0.00e+00	3.38e-01	0.743	0.608	0.00e+00
N4BP2L1	0.00e+00	3.27e-01	0.817	0.68	0.00e+00
N4BP2L2	0.00e+00	4.24e-01	0.988	0.964	0.00e+00
NAA25	0.00e+00	4.94e-01	0.839	0.691	0.00e+00
NAALADL2	0.00e+00	4.78e-01	0.852	0.759	0.00e+00
NAB1	0.00e+00	4.65e-01	0.665	0.452	0.00e+00
NABP1	0.00e+00	2.83e-01	0.246	0.092	0.00e+00
NAF1	0.00e+00	3.94e-01	0.658	0.458	0.00e+00
NAGPA	0.00e+00	4.13e-01	0.529	0.302	0.00e+00
NALCN	0.00e+00	3.27e-01	0.972	0.906	0.00e+00
NAPA	0.00e+00	3.94e-01	0.543	0.339	0.00e+00
NAPB	0.00e+00	3.21e-01	0.764	0.615	0.00e+00
NAPEPLD	0.00e+00	3.64e-01	0.706	0.543	0.00e+00
NAPG	0.00e+00	4.89e-01	0.715	0.533	0.00e+00
NAT10	0.00e+00	3.16e-01	0.53	0.369	0.00e+00
NAV1	0.00e+00	7.01e-01	0.94	0.808	0.00e+00

NAV3	0.00e+00	8.50e-01	0.997	0.952	0.00e+00
NBAS	0.00e+00	6.34e-01	0.971	0.888	0.00e+00
NBEA	0.00e+00	9.47e-01	0.998	0.951	0.00e+00
NBEAL1	0.00e+00	4.60e-01	0.843	0.696	0.00e+00
NBPF15	0.00e+00	3.98e-01	0.586	0.399	0.00e+00
NCALD	0.00e+00	9.61e-01	0.677	0.381	0.00e+00
NCAM1	0.00e+00	5.82e-01	0.991	0.941	0.00e+00
NCAM2	0.00e+00	1.68e+00	0.974	0.882	0.00e+00
NCAN	0.00e+00	3.42e-01	0.575	0.41	0.00e+00
NCAPG2	0.00e+00	5.07e-01	0.451	0.201	0.00e+00
NCEH1	0.00e+00	4.97e-01	0.742	0.538	0.00e+00
NCKAP1	0.00e+00	4.16e-01	0.931	0.842	0.00e+00
NCOA1	0.00e+00	5.28e-01	0.983	0.959	0.00e+00
NCOA7	0.00e+00	7.59e-01	0.909	0.732	0.00e+00
NCOR1	0.00e+00	3.77e-01	0.915	0.857	0.00e+00
NCOR2	0.00e+00	8.86e-01	0.817	0.641	0.00e+00
NCS1	0.00e+00	5.23e-01	0.719	0.512	0.00e+00
NDC1	0.00e+00	2.60e-01	0.37	0.223	0.00e+00
NDFIP1	0.00e+00	3.10e-01	0.93	0.854	0.00e+00
NDFIP2	0.00e+00	6.12e-01	0.784	0.515	0.00e+00
NDRG3	0.00e+00	5.44e-01	0.764	0.566	0.00e+00
NDST3	0.00e+00	1.05e+00	0.921	0.607	0.00e+00
NDUFA10	0.00e+00	5.29e-01	0.838	0.67	0.00e+00
NDUFA6-DT	0.00e+00	3.28e-01	0.403	0.214	0.00e+00
NDUFAF7	0.00e+00	3.78e-01	0.666	0.487	0.00e+00
NDUFV3	0.00e+00	3.50e-01	0.658	0.491	0.00e+00

NEAT1	0.00e+00	-1.37e+00	0.169	0.315	0.00e+00
NEBL	0.00e+00	3.70e-01	0.987	0.906	0.00e+00
NECAB1	0.00e+00	7.39e-01	0.908	0.692	0.00e+00
NECAB2	0.00e+00	2.89e-01	0.489	0.328	0.00e+00
NECTIN3	0.00e+00	3.75e-01	0.65	0.43	0.00e+00
NEDD4L	0.00e+00	2.79e-01	0.917	0.789	0.00e+00
NEFL	0.00e+00	3.72e-01	0.523	0.288	0.00e+00
NEFM	0.00e+00	2.85e-01	0.387	0.195	0.00e+00
NEGR1	0.00e+00	9.64e-01	0.997	0.933	0.00e+00
NEK10	0.00e+00	5.59e-01	0.949	0.759	0.00e+00
NEK11	0.00e+00	3.26e-01	0.76	0.558	0.00e+00
NELFA	0.00e+00	5.35e-01	0.78	0.604	0.00e+00
NELL2	0.00e+00	1.32e+00	0.981	0.678	0.00e+00
NEMF	0.00e+00	3.26e-01	0.831	0.729	0.00e+00
NEO1	0.00e+00	3.59e-01	0.886	0.779	0.00e+00
NEPRO	0.00e+00	3.48e-01	0.577	0.402	0.00e+00
NEURL1	0.00e+00	5.24e-01	0.731	0.523	0.00e+00
NEUROD2	0.00e+00	4.83e-01	0.352	0.075	0.00e+00
NEUROD6	0.00e+00	3.12e-01	0.233	0.066	0.00e+00
NF1	0.00e+00	3.74e-01	0.969	0.942	0.00e+00
NFASC	0.00e+00	5.55e-01	0.918	0.805	0.00e+00
NFAT5	0.00e+00	6.06e-01	0.958	0.903	0.00e+00
NFATC2IP	0.00e+00	4.99e-01	0.643	0.462	0.00e+00
NFIA	0.00e+00	7.30e-01	0.813	0.453	0.00e+00
NFX1	0.00e+00	5.02e-01	0.816	0.663	0.00e+00
NHSL2	0.00e+00	9.94e-01	0.723	0.421	0.00e+00

NIFK-AS1	0.00e+00	3.26e-01	0.512	0.361	0.00e+00
NIN	0.00e+00	1.09e+00	0.951	0.753	0.00e+00
NINL	0.00e+00	-3.70e-01	0.31	0.465	0.00e+00
NIPAL2	0.00e+00	8.22e-01	0.784	0.5	0.00e+00
NIPBL	0.00e+00	3.68e-01	0.925	0.883	0.00e+00
NISCH	0.00e+00	4.26e-01	0.749	0.542	0.00e+00
NKAIN2	0.00e+00	9.18e-01	0.95	0.881	0.00e+00
NKAIN3	0.00e+00	1.45e+00	0.866	0.696	0.00e+00
NKTR	0.00e+00	3.10e-01	0.956	0.903	0.00e+00
NLGN1	0.00e+00	9.76e-01	0.999	0.929	0.00e+00
NLGN4Y	0.00e+00	7.87e-01	0.979	0.881	0.00e+00
NLK	0.00e+00	9.83e-01	0.921	0.769	0.00e+00
NLN	0.00e+00	3.66e-01	0.682	0.492	0.00e+00
NMD3	0.00e+00	3.41e-01	0.848	0.711	0.00e+00
NME5	0.00e+00	5.92e-01	0.841	0.617	0.00e+00
NME7	0.00e+00	6.10e-01	0.924	0.784	0.00e+00
NMNAT2	0.00e+00	5.98e-01	0.962	0.82	0.00e+00
NMNAT3	0.00e+00	4.65e-01	0.658	0.467	0.00e+00
NMRK1	0.00e+00	2.58e-01	0.357	0.212	0.00e+00
NMT2	0.00e+00	3.86e-01	0.742	0.542	0.00e+00
NNAT	0.00e+00	3.65e-01	0.718	0.536	0.00e+00
NOL10	0.00e+00	5.67e-01	0.817	0.621	0.00e+00
NOL4	0.00e+00	3.29e-01	0.914	0.799	0.00e+00
NOL4L	0.00e+00	4.63e-01	0.671	0.496	0.00e+00
NOL9	0.00e+00	2.74e-01	0.502	0.352	0.00e+00
NOS1AP	0.00e+00	7.32e-01	0.886	0.592	0.00e+00

NOVA2	0.00e+00	3.80e-01	0.674	0.489	0.00e+00
NOXA1	0.00e+00	3.54e-01	0.569	0.377	0.00e+00
NPAS2	0.00e+00	7.26e-01	0.818	0.622	0.00e+00
NPEPL1	0.00e+00	4.94e-01	0.57	0.315	0.00e+00
NPEPPS	0.00e+00	3.67e-01	0.875	0.787	0.00e+00
NPHP1	0.00e+00	4.65e-01	0.683	0.453	0.00e+00
NPHP4	0.00e+00	6.04e-01	0.71	0.477	0.00e+00
NPIPA1	0.00e+00	4.55e-01	0.579	0.358	0.00e+00
NPIPP1	0.00e+00	4.23e-01	0.477	0.241	0.00e+00
NPLOC4	0.00e+00	3.89e-01	0.689	0.53	0.00e+00
NPM2	0.00e+00	2.97e-01	0.492	0.315	0.00e+00
NPNT	0.00e+00	-6.47e-01	0.082	0.269	0.00e+00
NPRL3	0.00e+00	4.12e-01	0.689	0.53	0.00e+00
NPTN	0.00e+00	6.24e-01	0.962	0.844	0.00e+00
NPTX1	0.00e+00	1.40e+00	0.794	0.239	0.00e+00
NPTX2	0.00e+00	5.07e-01	0.366	0.14	0.00e+00
NPTXR	0.00e+00	1.04e+00	0.813	0.461	0.00e+00
NPY1R	0.00e+00	5.91e-01	0.692	0.361	0.00e+00
NQO2	0.00e+00	4.09e-01	0.629	0.41	0.00e+00
NR2F1	0.00e+00	3.68e-01	0.613	0.363	0.00e+00
NR2F1-AS1	0.00e+00	6.80e-01	0.883	0.537	0.00e+00
NR2F2	0.00e+00	6.19e-01	0.523	0.171	0.00e+00
NR2F2-AS1	0.00e+00	1.70e+00	0.864	0.271	0.00e+00
NR3C2	0.00e+00	3.90e-01	0.921	0.826	0.00e+00
NR6A1	0.00e+00	6.51e-01	0.846	0.621	0.00e+00
NRCAM	0.00e+00	1.11e+00	0.995	0.897	0.00e+00

NRDC	0.00e+00	3.99e-01	0.878	0.781	0.00e+00
NRF1	0.00e+00	4.33e-01	0.891	0.789	0.00e+00
NRG1	0.00e+00	6.75e-01	0.964	0.704	0.00e+00
NRG3	0.00e+00	1.47e+00	1.0	0.864	0.00e+00
NRG4	0.00e+00	4.83e-01	0.573	0.338	0.00e+00
NRGN	0.00e+00	6.93e-01	0.849	0.521	0.00e+00
NRIP1	0.00e+00	6.56e-01	0.831	0.637	0.00e+00
NRN1	0.00e+00	9.80e-01	0.636	0.123	0.00e+00
NRXN1	0.00e+00	7.30e-01	1.0	0.946	0.00e+00
NRXN2	0.00e+00	5.64e-01	0.835	0.661	0.00e+00
NSD1	0.00e+00	3.24e-01	0.897	0.824	0.00e+00
NSD2	0.00e+00	5.32e-01	0.832	0.683	0.00e+00
NSD3	0.00e+00	3.63e-01	0.951	0.895	0.00e+00
NSF	0.00e+00	5.50e-01	0.897	0.755	0.00e+00
NSMCE2	0.00e+00	4.54e-01	0.913	0.814	0.00e+00
NSMF	0.00e+00	4.81e-01	0.626	0.392	0.00e+00
NSUN6	0.00e+00	4.29e-01	0.801	0.655	0.00e+00
NT5C2	0.00e+00	6.06e-01	0.939	0.826	0.00e+00
NT5DC3	0.00e+00	5.68e-01	0.579	0.308	0.00e+00
NTM	0.00e+00	1.14e+00	0.974	0.762	0.00e+00
NTN4	0.00e+00	-4.71e-01	0.091	0.222	0.00e+00
NTRK3	0.00e+00	9.37e-01	0.959	0.848	0.00e+00
NUAK1	0.00e+00	3.80e-01	0.65	0.405	0.00e+00
NUBPL	0.00e+00	3.98e-01	0.812	0.659	0.00e+00
NUCB2	0.00e+00	3.85e-01	0.72	0.551	0.00e+00
NUDT3	0.00e+00	6.11e-01	0.919	0.772	0.00e+00

NUDT5	0.00e+00	3.09e-01	0.604	0.455	0.00e+00
NUMBL	0.00e+00	5.12e-01	0.561	0.311	0.00e+00
NUP153	0.00e+00	3.65e-01	0.757	0.612	0.00e+00
NUP42	0.00e+00	3.84e-01	0.634	0.43	0.00e+00
NUP50-DT	0.00e+00	6.71e-01	0.758	0.531	0.00e+00
NUP58	0.00e+00	2.89e-01	0.797	0.674	0.00e+00
NUP88	0.00e+00	3.53e-01	0.681	0.507	0.00e+00
NUP93	0.00e+00	5.23e-01	0.8	0.609	0.00e+00
NUP98	0.00e+00	3.39e-01	0.724	0.587	0.00e+00
NUTM2A-AS1	0.00e+00	5.78e-01	0.848	0.728	0.00e+00
NUTM2B-AS1	0.00e+00	4.11e-01	0.839	0.721	0.00e+00
NVL	0.00e+00	3.27e-01	0.66	0.512	0.00e+00
NWD2	0.00e+00	1.32e+00	0.756	0.202	0.00e+00
NXPH2	0.00e+00	-7.07e-01	0.037	0.166	0.00e+00
ODF2L	0.00e+00	6.13e-01	0.909	0.73	0.00e+00
ODR4	0.00e+00	3.13e-01	0.712	0.578	0.00e+00
OGA	0.00e+00	6.25e-01	0.949	0.863	0.00e+00
OGDH	0.00e+00	3.63e-01	0.696	0.542	0.00e+00
OGT	0.00e+00	2.93e-01	0.845	0.733	0.00e+00
OLA1	0.00e+00	4.19e-01	0.922	0.822	0.00e+00
OLFM1	0.00e+00	1.03e+00	0.847	0.499	0.00e+00
OLFM3	0.00e+00	3.78e-01	0.857	0.633	0.00e+00
OPA1	0.00e+00	4.42e-01	0.861	0.736	0.00e+00
OPCML	0.00e+00	7.17e-01	0.993	0.872	0.00e+00
OPRD1	0.00e+00	5.67e-01	0.445	0.164	0.00e+00
OPRK1	0.00e+00	3.85e-01	0.355	0.146	0.00e+00

OPTN	0.00e+00	7.26e-01	0.741	0.438	0.00e+00
ORA12	0.00e+00	3.34e-01	0.508	0.331	0.00e+00
ORC3	0.00e+00	4.13e-01	0.821	0.657	0.00e+00
ORC4	0.00e+00	3.43e-01	0.838	0.714	0.00e+00
ORC5	0.00e+00	3.51e-01	0.717	0.558	0.00e+00
OSBP2	0.00e+00	6.43e-01	0.905	0.791	0.00e+00
OSBPL10	0.00e+00	3.67e-01	0.741	0.52	0.00e+00
OSBPL1A	0.00e+00	2.59e-01	0.83	0.671	0.00e+00
OSBPL6	0.00e+00	6.51e-01	0.961	0.814	0.00e+00
OSTF1	0.00e+00	2.96e-01	0.365	0.2	0.00e+00
OTOGL	0.00e+00	4.43e-01	0.329	0.133	0.00e+00
OTUD3	0.00e+00	3.84e-01	0.578	0.375	0.00e+00
OTUD7A	0.00e+00	9.86e-01	0.982	0.881	0.00e+00
OXR1	0.00e+00	1.19e+00	0.989	0.821	0.00e+00
OXR1	0.00e+00	5.15e-01	0.773	0.572	0.00e+00
P2RX2	0.00e+00	4.30e-01	0.177	0.006	0.00e+00
P2RX4	0.00e+00	2.81e-01	0.309	0.152	0.00e+00
P2RX7	0.00e+00	6.01e-01	0.55	0.377	0.00e+00
P4HA1	0.00e+00	4.63e-01	0.743	0.555	0.00e+00
P4HTM	0.00e+00	3.08e-01	0.71	0.552	0.00e+00
PABPC1	0.00e+00	3.70e-01	0.771	0.624	0.00e+00
PABPN1	0.00e+00	5.35e-01	0.869	0.713	0.00e+00
PACRG	0.00e+00	3.71e-01	0.943	0.807	0.00e+00
PACRGL	0.00e+00	2.98e-01	0.696	0.558	0.00e+00
PACS1	0.00e+00	3.28e-01	0.894	0.803	0.00e+00
PACSIN1	0.00e+00	5.43e-01	0.757	0.525	0.00e+00



PACSIN2	0.00e+00	4.25e-01	0.617	0.446	0.00e+00
PAFAH1B1	0.00e+00	6.09e-01	0.952	0.892	0.00e+00
PAK1	0.00e+00	9.67e-01	0.942	0.739	0.00e+00
PAK3	0.00e+00	6.18e-01	0.984	0.839	0.00e+00
PAK5	0.00e+00	2.95e-01	0.905	0.752	0.00e+00
PALM	0.00e+00	6.03e-01	0.675	0.446	0.00e+00
PALM2AKAP2	0.00e+00	3.90e-01	0.923	0.725	0.00e+00
PALMD	0.00e+00	1.37e+00	0.795	0.238	0.00e+00
PAM	0.00e+00	5.08e-01	0.928	0.73	0.00e+00
PANK2	0.00e+00	3.58e-01	0.664	0.504	0.00e+00
PANK3	0.00e+00	3.85e-01	0.741	0.561	0.00e+00
PANTR1	0.00e+00	-4.42e-01	0.134	0.322	0.00e+00
PAPPA2	0.00e+00	3.15e-01	0.338	0.15	0.00e+00
PAPSS1	0.00e+00	6.48e-01	0.879	0.7	0.00e+00
PAQR3	0.00e+00	4.00e-01	0.688	0.509	0.00e+00
PARD3	0.00e+00	9.84e-01	0.833	0.757	0.00e+00
PARG	0.00e+00	3.09e-01	0.762	0.633	0.00e+00
PARGP1	0.00e+00	5.18e-01	0.708	0.474	0.00e+00
PARL	0.00e+00	2.80e-01	0.497	0.344	0.00e+00
PARN	0.00e+00	3.49e-01	0.716	0.568	0.00e+00
PARP1	0.00e+00	2.70e-01	0.467	0.312	0.00e+00
PARP11	0.00e+00	4.87e-01	0.691	0.492	0.00e+00
PARP8	0.00e+00	4.60e-01	0.84	0.654	0.00e+00
PART1	0.00e+00	4.48e-01	0.232	0.061	0.00e+00
PATJ	0.00e+00	8.92e-01	0.94	0.746	0.00e+00
PAX6	0.00e+00	-3.21e-01	0.021	0.141	0.00e+00

PAX8-AS1	0.00e+00	3.00e-01	0.29	0.153	0.00e+00
PBRM1	0.00e+00	3.22e-01	0.849	0.764	0.00e+00
PBX1	0.00e+00	8.83e-01	0.987	0.899	0.00e+00
PBX3	0.00e+00	-1.67e+00	0.362	0.522	0.00e+00
PBX4	0.00e+00	2.89e-01	0.445	0.293	0.00e+00
PCA3	0.00e+00	3.20e-01	0.226	0.094	0.00e+00
PCDH1	0.00e+00	4.47e-01	0.454	0.236	0.00e+00
PCDH15	0.00e+00	6.26e-01	0.861	0.545	0.00e+00
PCDH17	0.00e+00	4.27e-01	0.687	0.536	0.00e+00
PCDH19	0.00e+00	5.03e-01	0.582	0.364	0.00e+00
PCDH20	0.00e+00	3.14e-01	0.279	0.111	0.00e+00
PCDH7	0.00e+00	1.05e+00	0.989	0.792	0.00e+00
PCDH9	0.00e+00	1.06e+00	0.999	0.951	0.00e+00
PCDH9-AS2	0.00e+00	7.68e-01	0.639	0.418	0.00e+00
PCED1B	0.00e+00	8.53e-01	0.577	0.256	0.00e+00
PCGF6	0.00e+00	3.33e-01	0.561	0.395	0.00e+00
PCID2	0.00e+00	3.54e-01	0.626	0.454	0.00e+00
PCLO	0.00e+00	3.99e-01	0.989	0.866	0.00e+00
PCM1	0.00e+00	3.74e-01	0.948	0.913	0.00e+00
PCMT1	0.00e+00	4.94e-01	0.796	0.597	0.00e+00
PCNX1	0.00e+00	5.77e-01	0.95	0.878	0.00e+00
PCNX2	0.00e+00	7.96e-01	0.977	0.883	0.00e+00
PCNX4	0.00e+00	3.39e-01	0.822	0.713	0.00e+00
PCP4L1	0.00e+00	-3.13e-01	0.061	0.208	0.00e+00
PCSK2	0.00e+00	1.63e+00	0.962	0.641	0.00e+00
PCSK6	0.00e+00	-6.69e-01	0.089	0.232	0.00e+00

PCSK7	0.00e+00	5.98e-01	0.732	0.533	0.00e+00
PCTP	0.00e+00	2.67e-01	0.366	0.225	0.00e+00
PDC-AS1	0.00e+00	6.15e-01	0.854	0.624	0.00e+00
PDCD10	0.00e+00	3.29e-01	0.649	0.48	0.00e+00
PDCD4	0.00e+00	3.19e-01	0.691	0.548	0.00e+00
PDCD6	0.00e+00	3.36e-01	0.641	0.491	0.00e+00
PDCD6IP	0.00e+00	3.65e-01	0.812	0.672	0.00e+00
PDCD6IPP2	0.00e+00	3.58e-01	0.433	0.216	0.00e+00
PDCD7	0.00e+00	3.15e-01	0.632	0.486	0.00e+00
PDE1A	0.00e+00	9.65e-01	0.966	0.659	0.00e+00
PDE1B	0.00e+00	2.58e-01	0.537	0.36	0.00e+00
PDE2A	0.00e+00	9.33e-01	0.829	0.557	0.00e+00
PDE4B	0.00e+00	5.63e-01	0.921	0.777	0.00e+00
PDE4D	0.00e+00	4.68e-01	0.993	0.946	0.00e+00
PDE7B	0.00e+00	-1.66e+00	0.374	0.634	0.00e+00
PDE9A	0.00e+00	6.42e-01	0.578	0.361	0.00e+00
PDGFC	0.00e+00	9.09e-01	0.764	0.408	0.00e+00
PDIA2	0.00e+00	2.86e-01	0.43	0.247	0.00e+00
PDLIM5	0.00e+00	-7.09e-01	0.069	0.282	0.00e+00
PDS5A	0.00e+00	4.13e-01	0.909	0.824	0.00e+00
PDSS2	0.00e+00	3.89e-01	0.741	0.6	0.00e+00
PDXDC1	0.00e+00	4.03e-01	0.825	0.696	0.00e+00
PDXK	0.00e+00	4.37e-01	0.765	0.615	0.00e+00
PDZD7	0.00e+00	5.21e-01	0.475	0.215	0.00e+00
PDZRN3	0.00e+00	5.18e-01	0.778	0.466	0.00e+00
PDZRN4	0.00e+00	6.86e-01	0.657	0.292	0.00e+00

PEA15	0.00e+00	4.21e-01	0.608	0.397	0.00e+00
PEAK1	0.00e+00	7.42e-01	0.924	0.774	0.00e+00
PENK	0.00e+00	-1.14e+00	0.034	0.181	0.00e+00
PEPD	0.00e+00	4.18e-01	0.475	0.284	0.00e+00
PEX5	0.00e+00	4.00e-01	0.549	0.323	0.00e+00
PEX5L	0.00e+00	1.73e+00	0.953	0.646	0.00e+00
PEX6	0.00e+00	2.73e-01	0.512	0.36	0.00e+00
PFKFB3	0.00e+00	7.63e-01	0.658	0.38	0.00e+00
PFKL	0.00e+00	2.81e-01	0.45	0.294	0.00e+00
PFKP	0.00e+00	4.95e-01	0.596	0.367	0.00e+00
PGAP1	0.00e+00	3.03e-01	0.891	0.785	0.00e+00
PGAP2	0.00e+00	3.18e-01	0.528	0.379	0.00e+00
PGBD5	0.00e+00	1.60e+00	0.935	0.621	0.00e+00
PGM2L1	0.00e+00	6.31e-01	0.849	0.587	0.00e+00
PGP	0.00e+00	4.12e-01	0.697	0.517	0.00e+00
PHACTR1	0.00e+00	1.07e+00	0.999	0.924	0.00e+00
PHACTR2	0.00e+00	5.19e-01	0.649	0.409	0.00e+00
PHACTR3	0.00e+00	6.36e-01	0.889	0.74	0.00e+00
PHC2	0.00e+00	4.23e-01	0.807	0.685	0.00e+00
PHC3	0.00e+00	4.30e-01	0.905	0.811	0.00e+00
PHF14	0.00e+00	5.80e-01	0.971	0.905	0.00e+00
PHF20	0.00e+00	4.56e-01	0.755	0.585	0.00e+00
PHF20L1	0.00e+00	3.54e-01	0.886	0.78	0.00e+00
PHF24	0.00e+00	3.12e-01	0.431	0.234	0.00e+00
PHF3	0.00e+00	4.79e-01	0.899	0.804	0.00e+00
PHLPP2	0.00e+00	6.45e-01	0.813	0.581	0.00e+00

PHTF1	0.00e+00	5.57e-01	0.809	0.598	0.00e+00
PHTF2	0.00e+00	4.89e-01	0.864	0.72	0.00e+00
PHYHIP	0.00e+00	5.25e-01	0.712	0.448	0.00e+00
PI4K2B	0.00e+00	2.62e-01	0.341	0.198	0.00e+00
PI4KA	0.00e+00	7.86e-01	0.953	0.837	0.00e+00
PIAS1	0.00e+00	6.12e-01	0.944	0.852	0.00e+00
PIAS2	0.00e+00	4.36e-01	0.915	0.818	0.00e+00
PIBF1	0.00e+00	3.47e-01	0.891	0.814	0.00e+00
PID1	0.00e+00	9.06e-01	0.937	0.666	0.00e+00
PIGG	0.00e+00	4.18e-01	0.549	0.35	0.00e+00
PIGK	0.00e+00	4.49e-01	0.684	0.476	0.00e+00
PIGL	0.00e+00	3.32e-01	0.757	0.622	0.00e+00
PIGQ	0.00e+00	2.90e-01	0.497	0.327	0.00e+00
PIGZ	0.00e+00	3.51e-01	0.574	0.386	0.00e+00
PIK3C3	0.00e+00	3.38e-01	0.857	0.747	0.00e+00
PIK3CA	0.00e+00	3.14e-01	0.815	0.69	0.00e+00
PILRB	0.00e+00	4.98e-01	0.647	0.471	0.00e+00
PIP4K2B	0.00e+00	2.94e-01	0.64	0.491	0.00e+00
PIP4K2C	0.00e+00	5.03e-01	0.449	0.203	0.00e+00
PIP5K1A	0.00e+00	4.65e-01	0.792	0.656	0.00e+00
PIP5K1C	0.00e+00	5.10e-01	0.577	0.336	0.00e+00
PISD	0.00e+00	5.13e-01	0.752	0.528	0.00e+00
PITPNA	0.00e+00	3.74e-01	0.652	0.491	0.00e+00
PITPNB	0.00e+00	3.01e-01	0.714	0.578	0.00e+00
PITPNC1	0.00e+00	-9.91e-01	0.535	0.684	0.00e+00
PITPNM2	0.00e+00	6.13e-01	0.768	0.544	0.00e+00

PITPNM3	0.00e+00	3.68e-01	0.56	0.365	0.00e+00
PJA2	0.00e+00	2.83e-01	0.893	0.801	0.00e+00
PKD1	0.00e+00	6.50e-01	0.885	0.679	0.00e+00
PKD1L2	0.00e+00	4.38e-01	0.252	0.076	0.00e+00
PKD1P6	0.00e+00	5.60e-01	0.475	0.213	0.00e+00
PKDCC	0.00e+00	2.65e-01	0.271	0.14	0.00e+00
PKIA	0.00e+00	6.05e-01	0.875	0.718	0.00e+00
PKIG	0.00e+00	6.20e-01	0.801	0.561	0.00e+00
PKN2-AS1	0.00e+00	6.08e-01	0.598	0.351	0.00e+00
PKNOX1	0.00e+00	5.46e-01	0.715	0.53	0.00e+00
PKNOX2	0.00e+00	5.06e-01	0.747	0.604	0.00e+00
PKP2	0.00e+00	-5.09e-01	0.045	0.18	0.00e+00
PKP4	0.00e+00	4.48e-01	0.964	0.885	0.00e+00
PLA2G4C	0.00e+00	5.58e-01	0.682	0.489	0.00e+00
PLAA	0.00e+00	3.26e-01	0.61	0.441	0.00e+00
PLAAT1	0.00e+00	2.53e-01	0.411	0.245	0.00e+00
PLAC8L1	0.00e+00	3.48e-01	0.367	0.184	0.00e+00
PLAG1	0.00e+00	2.63e-01	0.339	0.198	0.00e+00
PLB1	0.00e+00	3.60e-01	0.362	0.175	0.00e+00
PLBD2	0.00e+00	3.02e-01	0.494	0.345	0.00e+00
PLCB1	0.00e+00	5.72e-01	0.99	0.9	0.00e+00
PLCB4	0.00e+00	-1.16e+00	0.356	0.614	0.00e+00
PLCH2	0.00e+00	4.53e-01	0.379	0.191	0.00e+00
PLCL1	0.00e+00	3.79e-01	0.765	0.555	0.00e+00
PLD3	0.00e+00	4.45e-01	0.909	0.786	0.00e+00
PLD5	0.00e+00	-1.29e+00	0.299	0.53	0.00e+00

PLEC	0.00e+00	5.54e-01	0.741	0.504	0.00e+00
PLEKHA2	0.00e+00	7.09e-01	0.541	0.254	0.00e+00
PLEKHA5	0.00e+00	6.99e-01	0.988	0.892	0.00e+00
PLEKHA6	0.00e+00	4.91e-01	0.859	0.677	0.00e+00
PLEKHA8	0.00e+00	4.91e-01	0.626	0.398	0.00e+00
PLEKHG1	0.00e+00	-4.62e-01	0.071	0.215	0.00e+00
PLEKHG4B	0.00e+00	5.22e-01	0.237	0.043	0.00e+00
PLEKHG5	0.00e+00	3.77e-01	0.41	0.204	0.00e+00
PLEKHM2	0.00e+00	3.10e-01	0.548	0.4	0.00e+00
PLEKHM3	0.00e+00	5.35e-01	0.846	0.682	0.00e+00
PLK2	0.00e+00	5.43e-01	0.622	0.357	0.00e+00
PLK5	0.00e+00	4.63e-01	0.369	0.107	0.00e+00
PLPP7	0.00e+00	2.90e-01	0.367	0.219	0.00e+00
PLPPR1	0.00e+00	-8.14e-01	0.574	0.68	0.00e+00
PLPPR4	0.00e+00	6.61e-01	0.957	0.788	0.00e+00
PLPPR5	0.00e+00	2.71e-01	0.858	0.694	0.00e+00
PLXNA1	0.00e+00	3.77e-01	0.512	0.297	0.00e+00
PLXNA2	0.00e+00	4.35e-01	0.801	0.635	0.00e+00
PLXNA4	0.00e+00	8.43e-01	0.932	0.709	0.00e+00
PMS2P1	0.00e+00	2.83e-01	0.41	0.249	0.00e+00
PNISR	0.00e+00	4.88e-01	0.967	0.932	0.00e+00
PNMA3	0.00e+00	3.91e-01	0.669	0.43	0.00e+00
PNPLA7	0.00e+00	4.60e-01	0.53	0.307	0.00e+00
POC5	0.00e+00	2.69e-01	0.474	0.319	0.00e+00
POGZ	0.00e+00	3.56e-01	0.932	0.867	0.00e+00
POLB	0.00e+00	2.92e-01	0.483	0.333	0.00e+00

POLD3	0.00e+00	4.81e-01	0.611	0.413	0.00e+00
POLH	0.00e+00	2.76e-01	0.461	0.309	0.00e+00
POLN	0.00e+00	2.55e-01	0.324	0.16	0.00e+00
POLR1A	0.00e+00	3.08e-01	0.547	0.396	0.00e+00
POLR3A	0.00e+00	3.64e-01	0.6	0.421	0.00e+00
POLR3G	0.00e+00	4.32e-01	0.536	0.349	0.00e+00
POM121	0.00e+00	4.24e-01	0.759	0.601	0.00e+00
POM121C	0.00e+00	4.03e-01	0.718	0.557	0.00e+00
POMT1	0.00e+00	4.16e-01	0.549	0.343	0.00e+00
PON2	0.00e+00	-3.58e-01	0.022	0.131	0.00e+00
POPDC3	0.00e+00	2.62e-01	0.221	0.072	0.00e+00
POSTN	0.00e+00	1.34e+00	0.282	0.069	0.00e+00
POU2F2	0.00e+00	6.46e-01	0.629	0.364	0.00e+00
PPARA	0.00e+00	-2.53e-01	0.038	0.149	0.00e+00
PPARD	0.00e+00	3.33e-01	0.492	0.32	0.00e+00
PPARG	0.00e+00	6.47e-01	0.519	0.302	0.00e+00
PPARGC1A	0.00e+00	5.40e-01	0.618	0.398	0.00e+00
PPARGC1B	0.00e+00	5.57e-01	0.653	0.454	0.00e+00
PPFIA2	0.00e+00	6.95e-01	0.997	0.932	0.00e+00
PPFIA3	0.00e+00	3.50e-01	0.581	0.401	0.00e+00
PPFIA4	0.00e+00	7.79e-01	0.755	0.465	0.00e+00
PPFIBP1	0.00e+00	8.32e-01	0.822	0.468	0.00e+00
PPHLN1	0.00e+00	6.72e-01	0.919	0.761	0.00e+00
PPIEL	0.00e+00	3.26e-01	0.459	0.286	0.00e+00
PPIG	0.00e+00	3.35e-01	0.834	0.717	0.00e+00
PPIL2	0.00e+00	4.05e-01	0.597	0.416	0.00e+00



PPIP5K1	0.00e+00	3.84e-01	0.699	0.512	0.00e+00
PPIP5K2	0.00e+00	2.75e-01	0.869	0.765	0.00e+00
PPL	0.00e+00	3.48e-01	0.255	0.076	0.00e+00
PPM1A	0.00e+00	3.15e-01	0.742	0.596	0.00e+00
PPM1E	0.00e+00	1.04e+00	0.976	0.766	0.00e+00
PPM1H	0.00e+00	4.25e-01	0.845	0.687	0.00e+00
PPME1	0.00e+00	3.69e-01	0.79	0.629	0.00e+00
PPP1R12A	0.00e+00	6.34e-01	0.94	0.841	0.00e+00
PPP1R13B	0.00e+00	6.96e-01	0.894	0.731	0.00e+00
PPP1R16B	0.00e+00	5.35e-01	0.817	0.617	0.00e+00
PPP1R1C	0.00e+00	6.06e-01	0.143	0.031	0.00e+00
PPP1R21	0.00e+00	6.39e-01	0.842	0.635	0.00e+00
PPP1R26-AS1	0.00e+00	4.12e-01	0.362	0.156	0.00e+00
PPP1R7	0.00e+00	3.18e-01	0.571	0.408	0.00e+00
PPP2R2A	0.00e+00	3.68e-01	0.805	0.698	0.00e+00
PPP2R2B	0.00e+00	5.78e-01	0.993	0.955	0.00e+00
PPP2R2C	0.00e+00	1.07e+00	0.95	0.763	0.00e+00
PPP2R5C	0.00e+00	5.40e-01	0.889	0.774	0.00e+00
PPP2R5E	0.00e+00	3.15e-01	0.887	0.801	0.00e+00
PPP3CB	0.00e+00	4.32e-01	0.905	0.788	0.00e+00
PPP4R4	0.00e+00	9.84e-01	0.861	0.556	0.00e+00
PPP6R1	0.00e+00	3.50e-01	0.444	0.264	0.00e+00
PPP6R2	0.00e+00	5.55e-01	0.919	0.824	0.00e+00
PPP6R3	0.00e+00	3.98e-01	0.903	0.834	0.00e+00
PRAG1	0.00e+00	1.13e+00	0.582	0.225	0.00e+00
PRANCR	0.00e+00	4.51e-01	0.881	0.702	0.00e+00

PRDM15	0.00e+00	2.95e-01	0.342	0.189	0.00e+00
PRDM2	0.00e+00	4.79e-01	0.852	0.713	0.00e+00
PRDM8	0.00e+00	8.05e-01	0.446	0.085	0.00e+00
PRELID3A	0.00e+00	3.54e-01	0.484	0.286	0.00e+00
PREP	0.00e+00	4.82e-01	0.669	0.453	0.00e+00
PREPL	0.00e+00	2.87e-01	0.933	0.847	0.00e+00
PRICKLE1	0.00e+00	1.04e+00	0.923	0.571	0.00e+00
PRICKLE2	0.00e+00	4.61e-01	0.95	0.81	0.00e+00
PRIM2	0.00e+00	3.79e-01	0.607	0.413	0.00e+00
PRKAA2	0.00e+00	6.95e-01	0.867	0.66	0.00e+00
PRKAG2	0.00e+00	1.31e+00	0.959	0.699	0.00e+00
PRKAG2-AS1	0.00e+00	2.58e-01	0.35	0.179	0.00e+00
PRKAR1B	0.00e+00	4.86e-01	0.827	0.653	0.00e+00
PRKCE	0.00e+00	7.86e-01	0.983	0.898	0.00e+00
PRKCG	0.00e+00	8.46e-01	0.759	0.424	0.00e+00
PRKCI	0.00e+00	5.95e-01	0.867	0.667	0.00e+00
PRKCZ	0.00e+00	4.43e-01	0.729	0.56	0.00e+00
PRKD2	0.00e+00	2.69e-01	0.292	0.159	0.00e+00
PRKDC	0.00e+00	4.17e-01	0.853	0.746	0.00e+00
PRKG1	0.00e+00	2.97e-01	0.905	0.749	0.00e+00
PRKN	0.00e+00	4.24e-01	0.985	0.951	0.00e+00
PRKRIP1	0.00e+00	4.77e-01	0.806	0.659	0.00e+00
PRKY	0.00e+00	4.50e-01	0.431	0.228	0.00e+00
PRMT3	0.00e+00	4.33e-01	0.721	0.548	0.00e+00
PRMT7	0.00e+00	3.06e-01	0.58	0.432	0.00e+00
PRMT9	0.00e+00	3.42e-01	0.636	0.461	0.00e+00

PRORP	0.00e+00	3.65e-01	0.609	0.416	0.00e+00
PROX1	0.00e+00	-5.48e-01	0.023	0.151	0.00e+00
PRPF38B	0.00e+00	3.69e-01	0.629	0.471	0.00e+00
PRPF40B	0.00e+00	3.59e-01	0.695	0.545	0.00e+00
PRR14L	0.00e+00	6.09e-01	0.764	0.568	0.00e+00
PRR16	0.00e+00	3.92e-01	0.888	0.615	0.00e+00
PRRC2B	0.00e+00	4.67e-01	0.861	0.747	0.00e+00
PRRC2C	0.00e+00	5.28e-01	0.929	0.837	0.00e+00
PRRG1	0.00e+00	5.10e-01	0.549	0.282	0.00e+00
PRRT2	0.00e+00	3.82e-01	0.583	0.386	0.00e+00
PRSS12	0.00e+00	6.03e-01	0.244	0.086	0.00e+00
PRSS3	0.00e+00	6.73e-01	0.474	0.178	0.00e+00
PSD	0.00e+00	4.63e-01	0.713	0.494	0.00e+00
PSD3	0.00e+00	3.97e-01	0.943	0.846	0.00e+00
PSIP1	0.00e+00	2.93e-01	0.851	0.732	0.00e+00
PSMA6	0.00e+00	2.95e-01	0.572	0.408	0.00e+00
PSMB7	0.00e+00	3.62e-01	0.656	0.483	0.00e+00
PSMD1	0.00e+00	4.31e-01	0.867	0.742	0.00e+00
PSMD11	0.00e+00	4.09e-01	0.72	0.546	0.00e+00
PSMD14	0.00e+00	3.46e-01	0.776	0.633	0.00e+00
PSMD4	0.00e+00	2.99e-01	0.528	0.37	0.00e+00
PSPC1	0.00e+00	4.80e-01	0.931	0.84	0.00e+00
PSRC1	0.00e+00	4.41e-01	0.351	0.1	0.00e+00
PSTK	0.00e+00	2.95e-01	0.522	0.363	0.00e+00
PTBP2	0.00e+00	2.88e-01	0.936	0.882	0.00e+00
PTBP3	0.00e+00	3.56e-01	0.759	0.601	0.00e+00

PTCH2	0.00e+00	4.82e-01	0.7	0.484	0.00e+00
PTDSS2	0.00e+00	3.55e-01	0.532	0.356	0.00e+00
PTEN	0.00e+00	3.93e-01	0.915	0.835	0.00e+00
PTGER3	0.00e+00	2.00e+00	0.629	0.097	0.00e+00
PTH2R	0.00e+00	9.43e-01	0.534	0.17	0.00e+00
PTK2	0.00e+00	1.24e+00	0.995	0.958	0.00e+00
PTK2B	0.00e+00	1.08e+00	0.869	0.515	0.00e+00
PTMS	0.00e+00	2.60e-01	0.622	0.467	0.00e+00
PTPN1	0.00e+00	4.57e-01	0.736	0.571	0.00e+00
PTPN12	0.00e+00	4.55e-01	0.77	0.626	0.00e+00
PTPN13	0.00e+00	8.76e-01	0.768	0.478	0.00e+00
PTPN14	0.00e+00	9.23e-01	0.446	0.123	0.00e+00
PTPN2	0.00e+00	4.68e-01	0.78	0.613	0.00e+00
PTPN3	0.00e+00	8.15e-01	0.487	0.136	0.00e+00
PTPN4	0.00e+00	7.37e-01	0.959	0.844	0.00e+00
PTPRA	0.00e+00	6.35e-01	0.958	0.888	0.00e+00
PTPRB	0.00e+00	8.10e-01	0.837	0.497	0.00e+00
PTPRD	0.00e+00	1.49e+00	0.999	0.829	0.00e+00
PTPRE	0.00e+00	1.04e+00	0.875	0.566	0.00e+00
PTPRF	0.00e+00	4.87e-01	0.691	0.502	0.00e+00
PTPRG	0.00e+00	9.00e-01	0.986	0.868	0.00e+00
PTPRG-AS1	0.00e+00	8.44e-01	0.698	0.346	0.00e+00
PTPRK	0.00e+00	1.90e+00	0.954	0.496	0.00e+00
PTPRN	0.00e+00	3.28e-01	0.722	0.532	0.00e+00
PTPRN2	0.00e+00	9.83e-01	0.996	0.882	0.00e+00
PTPRO	0.00e+00	4.56e-01	0.882	0.75	0.00e+00

PTPRQ	0.00e+00	5.94e-01	0.395	0.183	0.00e+00
PTPRR	0.00e+00	1.30e+00	0.957	0.67	0.00e+00
PTPRS	0.00e+00	7.91e-01	0.949	0.82	0.00e+00
PTPRT	0.00e+00	-1.33e+00	0.589	0.651	0.00e+00
PTTG1IP	0.00e+00	2.83e-01	0.423	0.268	0.00e+00
PUM1	0.00e+00	3.02e-01	0.88	0.804	0.00e+00
PUM3	0.00e+00	8.94e-01	0.932	0.756	0.00e+00
PURA	0.00e+00	3.28e-01	0.804	0.686	0.00e+00
PURG	0.00e+00	3.67e-01	0.768	0.619	0.00e+00
PUS1	0.00e+00	3.81e-01	0.441	0.231	0.00e+00
PUS10	0.00e+00	4.34e-01	0.561	0.35	0.00e+00
PUS7	0.00e+00	3.15e-01	0.602	0.435	0.00e+00
PVT1	0.00e+00	1.34e+00	0.7	0.246	0.00e+00
PWWP3B	0.00e+00	9.12e-01	0.453	0.117	0.00e+00
PYGB	0.00e+00	3.03e-01	0.571	0.417	0.00e+00
PYGO1	0.00e+00	-4.40e-01	0.095	0.311	0.00e+00
QKI	0.00e+00	-9.80e-01	0.699	0.861	0.00e+00
QRICH1	0.00e+00	3.37e-01	0.722	0.576	0.00e+00
QSOX1	0.00e+00	3.83e-01	0.521	0.358	0.00e+00
QTRT1	0.00e+00	3.65e-01	0.669	0.48	0.00e+00
QTRT2	0.00e+00	3.57e-01	0.406	0.239	0.00e+00
R3HDM1	0.00e+00	1.05e+00	0.986	0.91	0.00e+00
R3HDM2	0.00e+00	6.23e-01	0.969	0.897	0.00e+00
RAB10	0.00e+00	6.42e-01	0.87	0.72	0.00e+00
RAB11FIP1	0.00e+00	4.38e-01	0.379	0.156	0.00e+00
RAB11FIP2	0.00e+00	3.56e-01	0.758	0.617	0.00e+00

RAB11FIP3	0.00e+00	6.66e-01	0.809	0.651	0.00e+00
RAB11FIP4	0.00e+00	4.63e-01	0.803	0.635	0.00e+00
RAB11FIP5	0.00e+00	3.56e-01	0.289	0.107	0.00e+00
RAB15	0.00e+00	6.25e-01	0.641	0.347	0.00e+00
RAB23	0.00e+00	3.22e-01	0.412	0.225	0.00e+00
RAB26	0.00e+00	3.71e-01	0.635	0.451	0.00e+00
RAB27B	0.00e+00	1.04e+00	0.877	0.558	0.00e+00
RAB28	0.00e+00	3.77e-01	0.871	0.747	0.00e+00
RAB30-DT	0.00e+00	4.16e-01	0.615	0.419	0.00e+00
RAB3B	0.00e+00	4.25e-01	0.594	0.29	0.00e+00
RAB3D	0.00e+00	2.55e-01	0.294	0.145	0.00e+00
RAB3GAP1	0.00e+00	4.87e-01	0.915	0.792	0.00e+00
RAB3GAP2	0.00e+00	3.78e-01	0.841	0.718	0.00e+00
RAB40B	0.00e+00	6.59e-01	0.789	0.537	0.00e+00
RAB40C	0.00e+00	7.67e-01	0.715	0.444	0.00e+00
RAB43	0.00e+00	3.10e-01	0.293	0.118	0.00e+00
RAB6A	0.00e+00	6.17e-01	0.925	0.812	0.00e+00
RAB6B	0.00e+00	3.84e-01	0.723	0.524	0.00e+00
RAB7A	0.00e+00	5.44e-01	0.857	0.711	0.00e+00
RABEP1	0.00e+00	5.62e-01	0.916	0.812	0.00e+00
RABGAP1	0.00e+00	4.73e-01	0.927	0.843	0.00e+00
RABGAP1L	0.00e+00	7.47e-01	0.992	0.952	0.00e+00
RABGEF1	0.00e+00	7.96e-01	0.931	0.744	0.00e+00
RABL2A	0.00e+00	4.29e-01	0.614	0.396	0.00e+00
RAD18	0.00e+00	7.10e-01	0.736	0.434	0.00e+00
RAD50	0.00e+00	3.16e-01	0.766	0.612	0.00e+00

RAD51C	0.00e+00	2.72e-01	0.443	0.289	0.00e+00
RAD54L2	0.00e+00	3.33e-01	0.657	0.511	0.00e+00
RAD9A	0.00e+00	7.54e-01	0.881	0.687	0.00e+00
RAI1	0.00e+00	4.33e-01	0.671	0.518	0.00e+00
RAI14	0.00e+00	7.55e-01	0.533	0.241	0.00e+00
RALGAPA1	0.00e+00	2.85e-01	0.945	0.903	0.00e+00
RALGAPB	0.00e+00	3.51e-01	0.763	0.636	0.00e+00
RALGDS	0.00e+00	4.61e-01	0.701	0.514	0.00e+00
RALGPS2	0.00e+00	2.97e-01	0.887	0.745	0.00e+00
RALYL	0.00e+00	3.37e-01	0.986	0.818	0.00e+00
RANBP10	0.00e+00	4.18e-01	0.657	0.475	0.00e+00
RANBP17	0.00e+00	-1.08e+00	0.242	0.485	0.00e+00
RANBP2	0.00e+00	3.10e-01	0.801	0.674	0.00e+00
RANBP9	0.00e+00	3.15e-01	0.867	0.748	0.00e+00
RANGAP1	0.00e+00	3.34e-01	0.571	0.39	0.00e+00
RAP1GAP	0.00e+00	5.26e-01	0.879	0.659	0.00e+00
RAP1GAP2	0.00e+00	9.18e-01	0.906	0.621	0.00e+00
RAP2B	0.00e+00	3.32e-01	0.421	0.226	0.00e+00
RAPGEF2	0.00e+00	8.42e-01	0.973	0.882	0.00e+00
RAPGEF4	0.00e+00	9.05e-01	0.988	0.864	0.00e+00
RAPGEF5	0.00e+00	1.25e+00	0.959	0.724	0.00e+00
RAPGEF6	0.00e+00	7.46e-01	0.959	0.765	0.00e+00
RAPGEFL1	0.00e+00	9.16e-01	0.831	0.523	0.00e+00
RAPH1	0.00e+00	6.10e-01	0.868	0.678	0.00e+00
RARB	0.00e+00	-1.30e+00	0.242	0.426	0.00e+00
RARS1	0.00e+00	4.21e-01	0.625	0.41	0.00e+00

RASA1	0.00e+00	4.29e-01	0.928	0.85	0.00e+00
RASA2	0.00e+00	7.02e-01	0.936	0.8	0.00e+00
RASA3	0.00e+00	3.18e-01	0.474	0.293	0.00e+00
RASAL1	0.00e+00	6.69e-01	0.59	0.279	0.00e+00
RASAL2	0.00e+00	8.67e-01	0.982	0.9	0.00e+00
RASGEF1A	0.00e+00	5.64e-01	0.614	0.363	0.00e+00
RASGEF1B	0.00e+00	4.04e-01	0.575	0.348	0.00e+00
RASGEF1C	0.00e+00	3.38e-01	0.393	0.202	0.00e+00
RASGRF1	0.00e+00	5.21e-01	0.719	0.516	0.00e+00
RASGRF2	0.00e+00	1.27e+00	0.929	0.606	0.00e+00
RASGRP1	0.00e+00	2.57e-01	0.697	0.47	0.00e+00
RASL10A	0.00e+00	7.24e-01	0.547	0.165	0.00e+00
RAVER2	0.00e+00	7.28e-01	0.827	0.544	0.00e+00
RB1CC1	0.00e+00	3.18e-01	0.891	0.806	0.00e+00
RBBP6	0.00e+00	3.53e-01	0.751	0.623	0.00e+00
RBFOX1	0.00e+00	9.42e-01	0.997	0.924	0.00e+00
RBFOX2	0.00e+00	6.15e-01	0.983	0.919	0.00e+00
RBFOX3	0.00e+00	1.33e+00	0.951	0.704	0.00e+00
RBM11	0.00e+00	2.79e-01	0.376	0.218	0.00e+00
RBM14	0.00e+00	3.09e-01	0.536	0.363	0.00e+00
RBM25	0.00e+00	4.97e-01	0.929	0.841	0.00e+00
RBM26	0.00e+00	5.93e-01	0.964	0.904	0.00e+00
RBM33	0.00e+00	3.53e-01	0.858	0.764	0.00e+00
RBM39	0.00e+00	3.72e-01	0.916	0.857	0.00e+00
RBM4	0.00e+00	4.21e-01	0.806	0.647	0.00e+00
RBM48	0.00e+00	3.05e-01	0.489	0.319	0.00e+00



RBM5	0.00e+00	4.23e-01	0.89	0.79	0.00e+00
RBM6	0.00e+00	4.44e-01	0.961	0.916	0.00e+00
RBMS3	0.00e+00	-1.35e+00	0.709	0.745	0.00e+00
RBMS3-AS3	0.00e+00	-3.70e-01	0.07	0.231	0.00e+00
RC3H1	0.00e+00	4.30e-01	0.885	0.782	0.00e+00
RCAN1	0.00e+00	3.10e-01	0.633	0.472	0.00e+00
RCOR1	0.00e+00	3.76e-01	0.597	0.431	0.00e+00
RCOR3	0.00e+00	4.51e-01	0.86	0.733	0.00e+00
RECK	0.00e+00	6.89e-01	0.799	0.611	0.00e+00
REEP1	0.00e+00	4.99e-01	0.855	0.694	0.00e+00
REEP2	0.00e+00	3.81e-01	0.739	0.552	0.00e+00
REEP3	0.00e+00	6.89e-01	0.722	0.434	0.00e+00
RELCH	0.00e+00	6.08e-01	0.897	0.685	0.00e+00
RERE	0.00e+00	4.39e-01	0.985	0.972	0.00e+00
RETREG1	0.00e+00	4.66e-01	0.835	0.619	0.00e+00
RFC3	0.00e+00	7.25e-01	0.72	0.414	0.00e+00
RFLNA	0.00e+00	9.82e-01	0.817	0.54	0.00e+00
RFPL1S	0.00e+00	5.31e-01	0.746	0.53	0.00e+00
RFPL2	0.00e+00	2.78e-01	0.248	0.098	0.00e+00
RFTN1	0.00e+00	8.92e-01	0.612	0.252	0.00e+00
RFTN2	0.00e+00	-5.62e-01	0.021	0.129	0.00e+00
RFX1	0.00e+00	2.79e-01	0.507	0.351	0.00e+00
RFX3	0.00e+00	9.94e-01	0.971	0.893	0.00e+00
RGL1	0.00e+00	7.21e-01	0.948	0.829	0.00e+00
RGMB	0.00e+00	3.34e-01	0.551	0.357	0.00e+00
RGS17	0.00e+00	5.30e-01	0.848	0.648	0.00e+00

RGS20	0.00e+00	9.32e-01	0.614	0.336	0.00e+00
RGS6	0.00e+00	9.94e-01	0.863	0.533	0.00e+00
RGS7	0.00e+00	5.63e-01	0.995	0.888	0.00e+00
RGS7BP	0.00e+00	6.77e-01	0.84	0.625	0.00e+00
RGS9	0.00e+00	-7.09e-01	0.09	0.334	0.00e+00
RHBDL3	0.00e+00	5.31e-01	0.411	0.167	0.00e+00
RHEB	0.00e+00	3.68e-01	0.686	0.536	0.00e+00
RHOBTB2	0.00e+00	3.24e-01	0.465	0.285	0.00e+00
RHOBTB3	0.00e+00	-4.40e-01	0.168	0.313	0.00e+00
RHOT1	0.00e+00	4.21e-01	0.849	0.734	0.00e+00
RHOT2	0.00e+00	3.56e-01	0.603	0.409	0.00e+00
RHPN1	0.00e+00	5.27e-01	0.579	0.298	0.00e+00
RIC3	0.00e+00	3.07e-01	0.809	0.677	0.00e+00
RICTOR	0.00e+00	5.03e-01	0.915	0.817	0.00e+00
RILPL1	0.00e+00	7.62e-01	0.658	0.379	0.00e+00
RILPL2	0.00e+00	4.57e-01	0.318	0.132	0.00e+00
RIMBP2	0.00e+00	5.35e-01	0.892	0.702	0.00e+00
RIMS1	0.00e+00	6.41e-01	0.987	0.87	0.00e+00
RIN1	0.00e+00	4.97e-01	0.429	0.154	0.00e+00
RIPK1	0.00e+00	3.13e-01	0.545	0.381	0.00e+00
RIPOR1	0.00e+00	3.32e-01	0.613	0.436	0.00e+00
RLF	0.00e+00	4.79e-01	0.857	0.724	0.00e+00
RMDN2	0.00e+00	4.52e-01	0.589	0.401	0.00e+00
RMDN3	0.00e+00	3.51e-01	0.476	0.298	0.00e+00
RMST	0.00e+00	9.83e-01	0.605	0.23	0.00e+00
RNF111	0.00e+00	3.43e-01	0.873	0.764	0.00e+00

RNF112	0.00e+00	3.57e-01	0.535	0.345	0.00e+00
RNF115	0.00e+00	7.54e-01	0.897	0.724	0.00e+00
RNF123	0.00e+00	3.06e-01	0.424	0.254	0.00e+00
RNF130	0.00e+00	4.90e-01	0.938	0.877	0.00e+00
RNF139-AS1	0.00e+00	3.36e-01	0.41	0.229	0.00e+00
RNF144A	0.00e+00	6.53e-01	0.883	0.716	0.00e+00
RNF146	0.00e+00	4.29e-01	0.732	0.556	0.00e+00
RNF149	0.00e+00	6.73e-01	0.843	0.654	0.00e+00
RNF150	0.00e+00	6.43e-01	0.942	0.816	0.00e+00
RNF165	0.00e+00	5.76e-01	0.767	0.545	0.00e+00
RNF175	0.00e+00	2.99e-01	0.753	0.598	0.00e+00
RNF19A	0.00e+00	5.51e-01	0.861	0.686	0.00e+00
RNF207	0.00e+00	3.50e-01	0.443	0.227	0.00e+00
RNF212	0.00e+00	2.72e-01	0.269	0.127	0.00e+00
RNF213-AS1	0.00e+00	7.00e-01	0.767	0.513	0.00e+00
RNF216P1	0.00e+00	4.24e-01	0.656	0.468	0.00e+00
RNF217	0.00e+00	5.39e-01	0.771	0.614	0.00e+00
RNF217-AS1	0.00e+00	6.02e-01	0.6	0.393	0.00e+00
RNF38	0.00e+00	4.73e-01	0.848	0.711	0.00e+00
RNGTT	0.00e+00	3.94e-01	0.884	0.775	0.00e+00
RNPC3	0.00e+00	6.49e-01	0.94	0.816	0.00e+00
RNPS1	0.00e+00	3.25e-01	0.709	0.542	0.00e+00
ROBO1	0.00e+00	7.95e-01	0.99	0.871	0.00e+00
ROBO2	0.00e+00	9.55e-01	0.986	0.767	0.00e+00
ROCK1	0.00e+00	4.80e-01	0.872	0.763	0.00e+00
ROCK2	0.00e+00	7.31e-01	0.957	0.841	0.00e+00

RORB	0.00e+00	7.35e-01	0.301	0.104	0.00e+00
RPAP2	0.00e+00	5.46e-01	0.899	0.779	0.00e+00
RPGRIP1L	0.00e+00	5.39e-01	0.771	0.544	0.00e+00
RPL23AP49	0.00e+00	1.18e+00	0.593	0.082	0.00e+00
RPL31	0.00e+00	3.73e-01	0.574	0.417	0.00e+00
RPL32P3	0.00e+00	5.44e-01	0.663	0.411	0.00e+00
RPL34	0.00e+00	5.72e-01	0.718	0.582	0.00e+00
RPL37	0.00e+00	5.21e-01	0.78	0.613	0.00e+00
RPL37A	0.00e+00	7.86e-01	0.846	0.649	0.00e+00
RPN2	0.00e+00	3.79e-01	0.505	0.356	0.00e+00
RPRD1A	0.00e+00	5.05e-01	0.886	0.754	0.00e+00
RPRD2	0.00e+00	3.82e-01	0.932	0.858	0.00e+00
RPS24	0.00e+00	4.31e-01	0.678	0.531	0.00e+00
RPS6KA3	0.00e+00	5.76e-01	0.847	0.662	0.00e+00
RPS6KA6	0.00e+00	4.55e-01	0.757	0.593	0.00e+00
RPS6KC1	0.00e+00	8.88e-01	0.962	0.846	0.00e+00
RPS6KL1	0.00e+00	3.09e-01	0.498	0.332	0.00e+00
RPTOR	0.00e+00	6.61e-01	0.843	0.692	0.00e+00
RRAS2	0.00e+00	5.19e-01	0.722	0.506	0.00e+00
RRP7BP	0.00e+00	3.83e-01	0.458	0.262	0.00e+00
RSF1	0.00e+00	4.04e-01	0.923	0.854	0.00e+00
RSPH3	0.00e+00	4.68e-01	0.655	0.448	0.00e+00
RSPO2	0.00e+00	4.25e-01	0.322	0.125	0.00e+00
RSPO3	0.00e+00	4.65e-01	0.329	0.104	0.00e+00
RSRP1	0.00e+00	4.11e-01	0.912	0.818	0.00e+00
RSU1	0.00e+00	7.45e-01	0.739	0.464	0.00e+00

RTEL1	0.00e+00	2.63e-01	0.321	0.166	0.00e+00
RTF1	0.00e+00	3.81e-01	0.783	0.628	0.00e+00
RTN1	0.00e+00	6.09e-01	0.988	0.901	0.00e+00
RTN3	0.00e+00	5.54e-01	0.984	0.921	0.00e+00
RTN4	0.00e+00	5.49e-01	0.984	0.942	0.00e+00
RTN4R	0.00e+00	4.04e-01	0.375	0.125	0.00e+00
RTN4RL1	0.00e+00	1.17e+00	0.673	0.25	0.00e+00
RTN4RL2	0.00e+00	6.53e-01	0.449	0.087	0.00e+00
RUFY1	0.00e+00	3.92e-01	0.659	0.503	0.00e+00
RUFY2	0.00e+00	2.96e-01	0.86	0.761	0.00e+00
RUFY3	0.00e+00	6.57e-01	0.959	0.884	0.00e+00
RUNDC3A	0.00e+00	6.27e-01	0.712	0.42	0.00e+00
RUNDC3A-AS1	0.00e+00	2.85e-01	0.356	0.197	0.00e+00
RUNDC3B	0.00e+00	4.74e-01	0.921	0.754	0.00e+00
RUSC2	0.00e+00	3.79e-01	0.732	0.576	0.00e+00
RYR2	0.00e+00	1.21e+00	0.999	0.849	0.00e+00
SACS	0.00e+00	4.01e-01	0.848	0.702	0.00e+00
SAMD12	0.00e+00	8.58e-01	0.989	0.897	0.00e+00
SAMD3	0.00e+00	1.21e+00	0.641	0.27	0.00e+00
SAMD8	0.00e+00	4.77e-01	0.733	0.545	0.00e+00
SARNP	0.00e+00	3.67e-01	0.59	0.407	0.00e+00
SAT2	0.00e+00	4.54e-01	0.725	0.512	0.00e+00
SATB1	0.00e+00	4.72e-01	0.558	0.305	0.00e+00
SATB1-AS1	0.00e+00	4.44e-01	0.333	0.175	0.00e+00
SBF2	0.00e+00	5.19e-01	0.976	0.939	0.00e+00
SBF2-AS1	0.00e+00	2.72e-01	0.348	0.211	0.00e+00

SBK1	0.00e+00	4.99e-01	0.376	0.141	0.00e+00
SBNO1	0.00e+00	4.31e-01	0.73	0.566	0.00e+00
SCAI	0.00e+00	3.55e-01	0.927	0.82	0.00e+00
SCFD1	0.00e+00	4.82e-01	0.902	0.795	0.00e+00
SCFD2	0.00e+00	5.38e-01	0.914	0.784	0.00e+00
SCG2	0.00e+00	-1.16e+00	0.272	0.576	0.00e+00
SCHIP1	0.00e+00	1.47e+00	0.881	0.473	0.00e+00
SCHLAP1	0.00e+00	8.44e-01	0.275	0.05	0.00e+00
SCLT1	0.00e+00	4.25e-01	0.901	0.791	0.00e+00
SCN11A	0.00e+00	7.05e-01	0.338	0.124	0.00e+00
SCN2A	0.00e+00	5.35e-01	0.981	0.853	0.00e+00
SCN3A	0.00e+00	3.76e-01	0.965	0.835	0.00e+00
SCN3B	0.00e+00	7.80e-01	0.863	0.602	0.00e+00
SCN8A	0.00e+00	8.06e-01	0.969	0.812	0.00e+00
SCP2	0.00e+00	3.78e-01	0.732	0.586	0.00e+00
SCPEP1	0.00e+00	9.65e-01	0.78	0.406	0.00e+00
SCYL2	0.00e+00	4.36e-01	0.765	0.597	0.00e+00
SDCCAG8	0.00e+00	5.98e-01	0.925	0.846	0.00e+00
SDHAP3	0.00e+00	3.48e-01	0.636	0.452	0.00e+00
SEC14L2	0.00e+00	5.53e-01	0.452	0.177	0.00e+00
SEC14L5	0.00e+00	7.58e-01	0.595	0.246	0.00e+00
SEC16A	0.00e+00	2.87e-01	0.497	0.338	0.00e+00
SEC22A	0.00e+00	4.07e-01	0.818	0.673	0.00e+00
SEC24A	0.00e+00	3.53e-01	0.602	0.438	0.00e+00
SEC61A2	0.00e+00	3.86e-01	0.718	0.537	0.00e+00
SEC63	0.00e+00	4.68e-01	0.786	0.631	0.00e+00

SECISBP2L	0.00e+00	4.05e-01	0.859	0.737	0.00e+00
SELENOO	0.00e+00	4.07e-01	0.697	0.525	0.00e+00
SEMA3D	0.00e+00	9.91e-01	0.473	0.158	0.00e+00
SEMA4A	0.00e+00	3.70e-01	0.458	0.263	0.00e+00
SEMA4D	0.00e+00	3.59e-01	0.698	0.51	0.00e+00
SEMA4F	0.00e+00	4.34e-01	0.536	0.314	0.00e+00
SEMA6A	0.00e+00	-5.57e-01	0.236	0.455	0.00e+00
SEMA6D	0.00e+00	-1.88e+00	0.267	0.63	0.00e+00
SENP5	0.00e+00	4.47e-01	0.826	0.688	0.00e+00
SEPTIN11	0.00e+00	8.44e-01	0.916	0.638	0.00e+00
SEPTIN2	0.00e+00	6.11e-01	0.864	0.655	0.00e+00
SEPTIN3	0.00e+00	5.75e-01	0.674	0.41	0.00e+00
SEPTIN7P2	0.00e+00	3.36e-01	0.65	0.471	0.00e+00
SERAC1	0.00e+00	3.96e-01	0.553	0.354	0.00e+00
SERINC5	0.00e+00	-4.87e-01	0.357	0.51	0.00e+00
SERPINI1	0.00e+00	3.34e-01	0.841	0.644	0.00e+00
SERTM1	0.00e+00	4.22e-01	0.407	0.192	0.00e+00
SESN3	0.00e+00	4.33e-01	0.892	0.729	0.00e+00
SETD2	0.00e+00	4.19e-01	0.926	0.86	0.00e+00
SETD3	0.00e+00	5.12e-01	0.746	0.558	0.00e+00
SETD5	0.00e+00	4.89e-01	0.947	0.882	0.00e+00
SEZ6L	0.00e+00	3.07e-01	0.912	0.667	0.00e+00
SFI1	0.00e+00	2.72e-01	0.564	0.407	0.00e+00
SFRP1	0.00e+00	-3.36e-01	0.008	0.102	0.00e+00
SFSWAP	0.00e+00	4.38e-01	0.747	0.61	0.00e+00
SFT2D2	0.00e+00	4.71e-01	0.476	0.233	0.00e+00

SFXN5	0.00e+00	4.26e-01	0.713	0.539	0.00e+00
SGCD	0.00e+00	1.26e+00	0.958	0.733	0.00e+00
SGCZ	0.00e+00	6.76e-01	0.968	0.698	0.00e+00
SGIP1	0.00e+00	5.50e-01	0.986	0.929	0.00e+00
SGPL1	0.00e+00	3.64e-01	0.58	0.384	0.00e+00
SGPP2	0.00e+00	7.01e-01	0.73	0.397	0.00e+00
SGSM1	0.00e+00	5.35e-01	0.895	0.734	0.00e+00
SGSM2	0.00e+00	4.47e-01	0.712	0.526	0.00e+00
SGSM3	0.00e+00	2.79e-01	0.437	0.27	0.00e+00
SH2B1	0.00e+00	3.54e-01	0.624	0.454	0.00e+00
SH2B3	0.00e+00	2.91e-01	0.361	0.201	0.00e+00
SH2D3C	0.00e+00	3.09e-01	0.351	0.169	0.00e+00
SH3BGRL2	0.00e+00	9.14e-01	0.823	0.484	0.00e+00
SH3BP4	0.00e+00	9.77e-01	0.504	0.106	0.00e+00
SH3BP5	0.00e+00	4.71e-01	0.73	0.542	0.00e+00
SH3D21	0.00e+00	4.44e-01	0.445	0.194	0.00e+00
SH3GL1	0.00e+00	4.13e-01	0.499	0.303	0.00e+00
SH3GL2	0.00e+00	1.40e+00	0.969	0.665	0.00e+00
SH3GLB2	0.00e+00	3.42e-01	0.555	0.364	0.00e+00
SH3PXD2A	0.00e+00	6.87e-01	0.849	0.628	0.00e+00
SH3YL1	0.00e+00	6.28e-01	0.818	0.621	0.00e+00
SHANK1	0.00e+00	5.25e-01	0.647	0.416	0.00e+00
SHANK2	0.00e+00	9.05e-01	0.97	0.808	0.00e+00
SHANK3	0.00e+00	5.02e-01	0.667	0.438	0.00e+00
SHB	0.00e+00	-2.66e-01	0.055	0.193	0.00e+00
SHC2	0.00e+00	3.41e-01	0.626	0.424	0.00e+00



SHISA9	0.00e+00	6.51e-01	0.952	0.73	0.00e+00
SHISAL1	0.00e+00	2.76e-01	0.366	0.196	0.00e+00
SHOC2	0.00e+00	4.13e-01	0.783	0.626	0.00e+00
SHPRH	0.00e+00	4.65e-01	0.912	0.819	0.00e+00
SHROOM3	0.00e+00	3.92e-01	0.403	0.253	0.00e+00
SHTN1	0.00e+00	3.93e-01	0.934	0.778	0.00e+00
SIDT1	0.00e+00	1.07e+00	0.851	0.421	0.00e+00
SIL1	0.00e+00	4.96e-01	0.872	0.745	0.00e+00
SIMC1	0.00e+00	3.75e-01	0.78	0.631	0.00e+00
SIN3B	0.00e+00	5.22e-01	0.731	0.524	0.00e+00
SIPA1L1	0.00e+00	7.77e-01	0.995	0.939	0.00e+00
SIPA1L2	0.00e+00	4.98e-01	0.743	0.491	0.00e+00
SIPA1L3	0.00e+00	7.32e-01	0.805	0.643	0.00e+00
SIRPA	0.00e+00	8.11e-01	0.812	0.525	0.00e+00
SIRT5	0.00e+00	4.05e-01	0.631	0.431	0.00e+00
SIX3	0.00e+00	-3.45e-01	0.005	0.165	0.00e+00
SKAP2	0.00e+00	4.77e-01	0.737	0.451	0.00e+00
SKIL	0.00e+00	3.28e-01	0.567	0.368	0.00e+00
SLA	0.00e+00	5.69e-01	0.346	0.059	0.00e+00
SLC12A5	0.00e+00	3.71e-01	0.744	0.555	0.00e+00
SLC12A8	0.00e+00	5.02e-01	0.562	0.402	0.00e+00
SLC13A3	0.00e+00	7.07e-01	0.853	0.64	0.00e+00
SLC16A1-AS1	0.00e+00	8.16e-01	0.92	0.741	0.00e+00
SLC16A7	0.00e+00	7.87e-01	0.877	0.641	0.00e+00
SLC17A5	0.00e+00	5.65e-01	0.707	0.472	0.00e+00
SLC17A6	0.00e+00	9.27e-01	0.573	0.082	0.00e+00

SLC17A7	0.00e+00	1.37e+00	0.79	0.146	0.00e+00
SLC1A2	0.00e+00	-7.26e-01	0.738	0.533	0.00e+00
SLC1A3	0.00e+00	-1.31e+00	0.03	0.165	0.00e+00
SLC20A1	0.00e+00	4.20e-01	0.561	0.328	0.00e+00
SLC22A10	0.00e+00	1.32e+00	0.694	0.287	0.00e+00
SLC22A14	0.00e+00	2.53e-01	0.267	0.12	0.00e+00
SLC22A15	0.00e+00	4.37e-01	0.776	0.568	0.00e+00
SLC22A24	0.00e+00	3.41e-01	0.27	0.098	0.00e+00
SLC22A9	0.00e+00	4.35e-01	0.282	0.086	0.00e+00
SLC23A2	0.00e+00	4.25e-01	0.876	0.767	0.00e+00
SLC24A4	0.00e+00	1.17e+00	0.717	0.298	0.00e+00
SLC25A12	0.00e+00	5.12e-01	0.954	0.857	0.00e+00
SLC25A16	0.00e+00	3.08e-01	0.648	0.504	0.00e+00
SLC25A23	0.00e+00	3.75e-01	0.521	0.338	0.00e+00
SLC25A26	0.00e+00	3.57e-01	0.726	0.562	0.00e+00
SLC25A37	0.00e+00	4.71e-01	0.688	0.487	0.00e+00
SLC25A42	0.00e+00	4.16e-01	0.547	0.351	0.00e+00
SLC25A43	0.00e+00	3.42e-01	0.376	0.207	0.00e+00
SLC25A46	0.00e+00	3.51e-01	0.772	0.626	0.00e+00
SLC25A48	0.00e+00	-4.00e-01	0.024	0.146	0.00e+00
SLC26A4	0.00e+00	3.29e-01	0.435	0.175	0.00e+00
SLC27A4	0.00e+00	3.10e-01	0.511	0.344	0.00e+00
SLC2A1-AS1	0.00e+00	2.66e-01	0.322	0.171	0.00e+00
SLC2A12	0.00e+00	2.97e-01	0.328	0.157	0.00e+00
SLC2A13	0.00e+00	5.65e-01	0.961	0.85	0.00e+00
SLC2A6	0.00e+00	2.54e-01	0.361	0.203	0.00e+00

SLC30A3	0.00e+00	1.35e+00	0.669	0.055	0.00e+00
SLC32A1	0.00e+00	-3.76e-01	0.012	0.212	0.00e+00
SLC35E2A	0.00e+00	3.47e-01	0.445	0.27	0.00e+00
SLC35E2B	0.00e+00	2.72e-01	0.375	0.233	0.00e+00
SLC35E3	0.00e+00	4.96e-01	0.727	0.541	0.00e+00
SLC35F1	0.00e+00	-9.80e-01	0.791	0.826	0.00e+00
SLC36A1	0.00e+00	4.81e-01	0.529	0.262	0.00e+00
SLC37A1	0.00e+00	5.40e-01	0.593	0.356	0.00e+00
SLC38A11	0.00e+00	1.24e+00	0.313	0.062	0.00e+00
SLC38A6	0.00e+00	5.79e-01	0.85	0.666	0.00e+00
SLC39A10	0.00e+00	1.14e+00	0.935	0.73	0.00e+00
SLC39A11	0.00e+00	7.56e-01	0.781	0.528	0.00e+00
SLC39A14	0.00e+00	2.79e-01	0.43	0.272	0.00e+00
SLC39A9	0.00e+00	3.22e-01	0.612	0.457	0.00e+00
SLC41A2	0.00e+00	3.42e-01	0.869	0.724	0.00e+00
SLC44A1	0.00e+00	4.22e-01	0.924	0.793	0.00e+00
SLC44A5	0.00e+00	7.55e-01	0.86	0.55	0.00e+00
SLC45A4	0.00e+00	3.83e-01	0.459	0.272	0.00e+00
SLC49A4	0.00e+00	4.82e-01	0.663	0.437	0.00e+00
SLC4A10	0.00e+00	8.68e-01	0.99	0.845	0.00e+00
SLC4A4	0.00e+00	4.31e-01	0.714	0.516	0.00e+00
SLC4A7	0.00e+00	2.61e-01	0.769	0.619	0.00e+00
SLC4A8	0.00e+00	6.01e-01	0.812	0.593	0.00e+00
SLC5A4-AS1	0.00e+00	6.39e-01	0.428	0.254	0.00e+00
SLC66A2	0.00e+00	3.22e-01	0.532	0.363	0.00e+00
SLC6A1	0.00e+00	-1.93e+00	0.115	0.633	0.00e+00

SLC6A1-AS1	0.00e+00	-1.14e+00	0.025	0.32	0.00e+00
SLC6A15	0.00e+00	3.99e-01	0.739	0.528	0.00e+00
SLC6A17	0.00e+00	3.48e-01	0.65	0.436	0.00e+00
SLC6A6	0.00e+00	3.54e-01	0.506	0.325	0.00e+00
SLC6A7	0.00e+00	6.38e-01	0.563	0.22	0.00e+00
SLC7A6	0.00e+00	4.35e-01	0.692	0.496	0.00e+00
SLC8A1	0.00e+00	8.21e-01	0.995	0.875	0.00e+00
SLC8A1-AS1	0.00e+00	3.90e-01	0.629	0.454	0.00e+00
SLC8A2	0.00e+00	7.70e-01	0.765	0.467	0.00e+00
SLC8A3	0.00e+00	3.21e-01	0.768	0.604	0.00e+00
SLC8B1	0.00e+00	4.11e-01	0.37	0.177	0.00e+00
SLC9A1	0.00e+00	5.81e-01	0.518	0.248	0.00e+00
SLC9A3-AS1	0.00e+00	3.70e-01	0.43	0.215	0.00e+00
SLC9A5	0.00e+00	2.51e-01	0.367	0.225	0.00e+00
SLCO3A1	0.00e+00	7.26e-01	0.924	0.736	0.00e+00
SLCO4C1	0.00e+00	3.11e-01	0.223	0.06	0.00e+00
SLF1	0.00e+00	4.67e-01	0.852	0.646	0.00e+00
SLIT1	0.00e+00	8.39e-01	0.862	0.58	0.00e+00
SLIT3	0.00e+00	1.33e+00	0.933	0.558	0.00e+00
SLITRK4	0.00e+00	3.01e-01	0.568	0.391	0.00e+00
SLITRK5	0.00e+00	5.50e-01	0.817	0.609	0.00e+00
SLMAP	0.00e+00	3.96e-01	0.881	0.787	0.00e+00
SLTM	0.00e+00	3.45e-01	0.779	0.67	0.00e+00
SMAD3	0.00e+00	1.05e+00	0.758	0.385	0.00e+00
SMAP1	0.00e+00	3.69e-01	0.876	0.767	0.00e+00
SMAP2	0.00e+00	5.61e-01	0.815	0.612	0.00e+00

SMARCA2	0.00e+00	3.42e-01	0.921	0.824	0.00e+00
SMARCA4	0.00e+00	4.20e-01	0.738	0.619	0.00e+00
SMARCAD1	0.00e+00	3.70e-01	0.839	0.712	0.00e+00
SMC5	0.00e+00	4.32e-01	0.829	0.701	0.00e+00
SMC6	0.00e+00	4.05e-01	0.802	0.624	0.00e+00
SMG1	0.00e+00	4.09e-01	0.848	0.734	0.00e+00
SMG1P3	0.00e+00	4.29e-01	0.508	0.299	0.00e+00
SMG1P5	0.00e+00	2.96e-01	0.439	0.273	0.00e+00
SMG6	0.00e+00	3.25e-01	0.811	0.704	0.00e+00
SMG7	0.00e+00	3.72e-01	0.786	0.652	0.00e+00
SMIM12	0.00e+00	4.59e-01	0.593	0.408	0.00e+00
SMIM36	0.00e+00	6.29e-01	0.243	0.027	0.00e+00
SMIM8	0.00e+00	6.09e-01	0.775	0.559	0.00e+00
SMPD3	0.00e+00	5.03e-01	0.67	0.493	0.00e+00
SMYD2	0.00e+00	5.81e-01	0.564	0.333	0.00e+00
SMYD3	0.00e+00	5.22e-01	0.992	0.932	0.00e+00
SNAI3-AS1	0.00e+00	3.73e-01	0.422	0.213	0.00e+00
SNAP25	0.00e+00	1.26e+00	0.995	0.863	0.00e+00
SNAP25-AS1	0.00e+00	8.34e-01	0.832	0.625	0.00e+00
SNAP47	0.00e+00	2.78e-01	0.461	0.305	0.00e+00
SNAP91	0.00e+00	7.30e-01	0.98	0.86	0.00e+00
SNAPC3	0.00e+00	3.86e-01	0.723	0.563	0.00e+00
SNAPC4	0.00e+00	3.68e-01	0.436	0.239	0.00e+00
SNCA	0.00e+00	1.00e+00	0.912	0.611	0.00e+00
SNCB	0.00e+00	3.27e-01	0.601	0.375	0.00e+00
SNCG	0.00e+00	3.13e-01	0.48	0.214	0.00e+00

SND1	0.00e+00	6.46e-01	0.901	0.747	0.00e+00
SNED1	0.00e+00	1.43e+00	0.808	0.331	0.00e+00
SNHG14	0.00e+00	7.64e-01	0.98	0.83	0.00e+00
SNHG22	0.00e+00	2.95e-01	0.492	0.34	0.00e+00
SNHG5	0.00e+00	5.41e-01	0.724	0.504	0.00e+00
SNORC	0.00e+00	2.55e-01	0.354	0.208	0.00e+00
SNPH	0.00e+00	3.89e-01	0.508	0.303	0.00e+00
SNRNP70	0.00e+00	4.61e-01	0.87	0.762	0.00e+00
SNTB2	0.00e+00	7.07e-01	0.667	0.41	0.00e+00
SNX10	0.00e+00	5.85e-01	0.797	0.541	0.00e+00
SNX13	0.00e+00	3.27e-01	0.847	0.743	0.00e+00
SNX14	0.00e+00	3.88e-01	0.896	0.788	0.00e+00
SNX29	0.00e+00	4.03e-01	0.795	0.66	0.00e+00
SNX30	0.00e+00	3.44e-01	0.613	0.434	0.00e+00
SNX31	0.00e+00	5.81e-01	0.362	0.116	0.00e+00
SNX32	0.00e+00	7.72e-01	0.806	0.569	0.00e+00
SNX4	0.00e+00	3.97e-01	0.748	0.579	0.00e+00
SNX8	0.00e+00	4.51e-01	0.519	0.313	0.00e+00
SNX9	0.00e+00	3.75e-01	0.848	0.731	0.00e+00
SOBP	0.00e+00	6.02e-01	0.963	0.877	0.00e+00
SOCS7	0.00e+00	3.86e-01	0.67	0.49	0.00e+00
SOD2	0.00e+00	3.18e-01	0.613	0.446	0.00e+00
SOGA3	0.00e+00	4.83e-01	0.679	0.441	0.00e+00
SORBS1	0.00e+00	7.67e-01	0.977	0.87	0.00e+00
SORBS2	0.00e+00	7.55e-01	0.991	0.85	0.00e+00
SORT1	0.00e+00	5.44e-01	0.784	0.616	0.00e+00

SOS1	0.00e+00	5.65e-01	0.944	0.874	0.00e+00
SOX1-OT	0.00e+00	-9.95e-01	0.022	0.379	0.00e+00
SOX13	0.00e+00	-2.87e-01	0.025	0.159	0.00e+00
SOX2-OT	0.00e+00	-2.39e+00	0.701	0.733	0.00e+00
SOX6	0.00e+00	-2.47e+00	0.166	0.337	0.00e+00
SPATA7	0.00e+00	6.61e-01	0.817	0.63	0.00e+00
SPATS2	0.00e+00	8.78e-01	0.858	0.585	0.00e+00
SPATS2L	0.00e+00	3.91e-01	0.814	0.589	0.00e+00
SPC25	0.00e+00	3.87e-01	0.234	0.062	0.00e+00
SPECC1	0.00e+00	5.52e-01	0.857	0.687	0.00e+00
SPECC1L	0.00e+00	5.45e-01	0.84	0.642	0.00e+00
SPEF2	0.00e+00	4.84e-01	0.756	0.537	0.00e+00
SPEG	0.00e+00	4.85e-01	0.593	0.353	0.00e+00
SPG7	0.00e+00	5.26e-01	0.827	0.662	0.00e+00
SPHKAP	0.00e+00	1.21e+00	0.76	0.34	0.00e+00
SPICE1	0.00e+00	5.09e-01	0.594	0.322	0.00e+00
SPIDR	0.00e+00	8.82e-01	0.982	0.908	0.00e+00
SPIRE1	0.00e+00	5.48e-01	0.932	0.809	0.00e+00
SPNS2	0.00e+00	4.15e-01	0.513	0.342	0.00e+00
SPOCK1	0.00e+00	3.54e-01	0.891	0.684	0.00e+00
SPOCK3	0.00e+00	-1.05e+00	0.696	0.783	0.00e+00
SPON1	0.00e+00	1.48e+00	0.697	0.347	0.00e+00
SPPL2B	0.00e+00	3.66e-01	0.598	0.422	0.00e+00
SPRY3	0.00e+00	2.94e-01	0.459	0.304	0.00e+00
SPTAN1	0.00e+00	6.01e-01	0.94	0.825	0.00e+00
SPTBN1	0.00e+00	8.30e-01	0.974	0.905	0.00e+00

SPTBN2	0.00e+00	5.50e-01	0.625	0.372	0.00e+00
SPTBN4	0.00e+00	9.34e-01	0.969	0.824	0.00e+00
SPTSSB	0.00e+00	2.79e-01	0.303	0.146	0.00e+00
SRCIN1	0.00e+00	4.73e-01	0.754	0.573	0.00e+00
SREBF2	0.00e+00	5.81e-01	0.868	0.726	0.00e+00
SRFBP1	0.00e+00	3.16e-01	0.611	0.457	0.00e+00
SRGAP2	0.00e+00	3.65e-01	0.814	0.652	0.00e+00
SRGAP3	0.00e+00	8.88e-01	0.984	0.891	0.00e+00
SRPK1	0.00e+00	3.90e-01	0.747	0.568	0.00e+00
SRPK2	0.00e+00	5.20e-01	0.971	0.928	0.00e+00
SRRM3	0.00e+00	7.47e-01	0.942	0.757	0.00e+00
SRSF10	0.00e+00	3.83e-01	0.786	0.643	0.00e+00
SRSF11	0.00e+00	4.41e-01	0.951	0.901	0.00e+00
SRSF12	0.00e+00	2.91e-01	0.525	0.37	0.00e+00
SRSF4	0.00e+00	3.54e-01	0.787	0.665	0.00e+00
SRSF5	0.00e+00	3.85e-01	0.857	0.745	0.00e+00
SS18	0.00e+00	5.45e-01	0.751	0.527	0.00e+00
SS18L2	0.00e+00	2.74e-01	0.372	0.22	0.00e+00
SSBP3	0.00e+00	4.39e-01	0.801	0.657	0.00e+00
SSBP4	0.00e+00	3.95e-01	0.74	0.543	0.00e+00
SSH1	0.00e+00	4.23e-01	0.668	0.501	0.00e+00
SSH2	0.00e+00	6.72e-01	0.977	0.926	0.00e+00
SSX2IP	0.00e+00	6.22e-01	0.829	0.574	0.00e+00
ST3GAL1	0.00e+00	8.73e-01	0.585	0.212	0.00e+00
ST3GAL2	0.00e+00	5.16e-01	0.615	0.409	0.00e+00
ST3GAL3	0.00e+00	6.07e-01	0.842	0.651	0.00e+00



ST6GAL1	0.00e+00	3.93e-01	0.602	0.293	0.00e+00
ST6GAL2	0.00e+00	1.51e+00	0.853	0.44	0.00e+00
ST6GALNAC3	0.00e+00	8.62e-01	0.891	0.634	0.00e+00
ST6GALNAC5	0.00e+00	1.96e+00	0.951	0.659	0.00e+00
ST8SIA3	0.00e+00	3.12e-01	0.757	0.592	0.00e+00
ST8SIA5	0.00e+00	7.10e-01	0.724	0.426	0.00e+00
STAC	0.00e+00	5.30e-01	0.421	0.209	0.00e+00
STAG3L2	0.00e+00	4.79e-01	0.617	0.39	0.00e+00
STAG3L4	0.00e+00	6.94e-01	0.791	0.55	0.00e+00
STAG3L5P	0.00e+00	3.27e-01	0.563	0.395	0.00e+00
STARD13	0.00e+00	-8.50e-01	0.362	0.538	0.00e+00
STARD3	0.00e+00	4.20e-01	0.537	0.342	0.00e+00
STARD4	0.00e+00	4.52e-01	0.477	0.237	0.00e+00
STARD4-AS1	0.00e+00	6.87e-01	0.509	0.247	0.00e+00
STAT4	0.00e+00	-5.78e-01	0.175	0.344	0.00e+00
STAU1	0.00e+00	3.25e-01	0.704	0.569	0.00e+00
STAU2	0.00e+00	4.44e-01	0.954	0.866	0.00e+00
STEAP2-AS1	0.00e+00	3.46e-01	0.343	0.195	0.00e+00
STIM1	0.00e+00	6.26e-01	0.832	0.63	0.00e+00
STIM2	0.00e+00	4.18e-01	0.795	0.661	0.00e+00
STIMATE	0.00e+00	3.58e-01	0.449	0.264	0.00e+00
STK32B	0.00e+00	-7.66e-01	0.072	0.214	0.00e+00
STK32C	0.00e+00	5.50e-01	0.6	0.328	0.00e+00
STK33	0.00e+00	-7.26e-01	0.094	0.287	0.00e+00
STK35	0.00e+00	3.37e-01	0.427	0.248	0.00e+00
STK38	0.00e+00	5.24e-01	0.7	0.491	0.00e+00

STK39	0.00e+00	6.06e-01	0.905	0.761	0.00e+00
STK4	0.00e+00	4.25e-01	0.681	0.493	0.00e+00
STK40	0.00e+00	4.02e-01	0.515	0.316	0.00e+00
STOX2	0.00e+00	5.56e-01	0.943	0.832	0.00e+00
STRADA	0.00e+00	4.80e-01	0.69	0.462	0.00e+00
STRBP	0.00e+00	4.50e-01	0.937	0.81	0.00e+00
STRN3	0.00e+00	4.29e-01	0.914	0.81	0.00e+00
STRN4	0.00e+00	2.67e-01	0.419	0.271	0.00e+00
STS	0.00e+00	3.37e-01	0.585	0.41	0.00e+00
STUM	0.00e+00	9.29e-01	0.723	0.303	0.00e+00
STX16	0.00e+00	3.90e-01	0.561	0.357	0.00e+00
STX16-NPEPL	0.00e+00	4.01e-01	0.444	0.234	0.00e+00
STX17	0.00e+00	3.43e-01	0.651	0.497	0.00e+00
STX17-AS1	0.00e+00	5.64e-01	0.739	0.495	0.00e+00
STX18-AS1	0.00e+00	4.44e-01	0.814	0.676	0.00e+00
STX1A	0.00e+00	7.15e-01	0.655	0.277	0.00e+00
STX2	0.00e+00	6.11e-01	0.678	0.399	0.00e+00
STX3	0.00e+00	4.28e-01	0.612	0.378	0.00e+00
STX6	0.00e+00	3.55e-01	0.636	0.466	0.00e+00
STX7	0.00e+00	3.70e-01	0.789	0.632	0.00e+00
STX8	0.00e+00	4.40e-01	0.755	0.596	0.00e+00
STXBP1	0.00e+00	8.65e-01	0.963	0.804	0.00e+00
STXBP3	0.00e+00	4.82e-01	0.706	0.497	0.00e+00
STXBP4	0.00e+00	2.95e-01	0.658	0.502	0.00e+00
STXBP5	0.00e+00	6.15e-01	0.967	0.889	0.00e+00
STXBP5L	0.00e+00	1.18e+00	0.996	0.878	0.00e+00

STYK1	0.00e+00	5.89e-01	0.461	0.152	0.00e+00
STYXL1	0.00e+00	3.50e-01	0.475	0.294	0.00e+00
SUB1	0.00e+00	2.84e-01	0.772	0.641	0.00e+00
SUFU	0.00e+00	6.77e-01	0.686	0.465	0.00e+00
SUGCT	0.00e+00	3.57e-01	0.573	0.416	0.00e+00
SUGP2	0.00e+00	6.32e-01	0.891	0.746	0.00e+00
SULF1	0.00e+00	-9.71e-01	0.044	0.211	0.00e+00
SULT1A1	0.00e+00	5.68e-01	0.746	0.535	0.00e+00
SUMF1	0.00e+00	2.85e-01	0.896	0.8	0.00e+00
SUN1	0.00e+00	3.71e-01	0.794	0.669	0.00e+00
SUN2	0.00e+00	4.36e-01	0.429	0.215	0.00e+00
SUPT3H	0.00e+00	4.08e-01	0.966	0.88	0.00e+00
SUSD1	0.00e+00	4.16e-01	0.716	0.519	0.00e+00
SUSD4	0.00e+00	6.61e-01	0.872	0.741	0.00e+00
SUSD6	0.00e+00	3.08e-01	0.593	0.4	0.00e+00
SUZ12P1	0.00e+00	7.60e-01	0.96	0.797	0.00e+00
SV2B	0.00e+00	1.67e+00	0.925	0.374	0.00e+00
SV2C	0.00e+00	-1.61e+00	0.117	0.418	0.00e+00
SVIL-AS1	0.00e+00	8.35e-01	0.849	0.601	0.00e+00
SVOP	0.00e+00	6.01e-01	0.838	0.64	0.00e+00
SYBU	0.00e+00	7.42e-01	0.963	0.779	0.00e+00
SYCE1	0.00e+00	5.46e-01	0.559	0.313	0.00e+00
SYCP2L	0.00e+00	3.32e-01	0.442	0.279	0.00e+00
SYDE2	0.00e+00	3.60e-01	0.327	0.131	0.00e+00
SYN1	0.00e+00	3.44e-01	0.664	0.472	0.00e+00
SYN2	0.00e+00	1.32e+00	0.992	0.843	0.00e+00

SYN3	0.00e+00	1.55e+00	0.968	0.775	0.00e+00
SYNDIG1	0.00e+00	1.45e+00	0.846	0.428	0.00e+00
SYNE1	0.00e+00	3.53e-01	0.987	0.939	0.00e+00
SYNGAP1	0.00e+00	5.68e-01	0.725	0.497	0.00e+00
SYNJ1	0.00e+00	4.61e-01	0.859	0.699	0.00e+00
SYNJ2	0.00e+00	1.30e+00	0.859	0.413	0.00e+00
SYNPO	0.00e+00	7.26e-01	0.591	0.28	0.00e+00
SYNPR	0.00e+00	-1.08e+00	0.616	0.651	0.00e+00
SYP	0.00e+00	4.11e-01	0.87	0.698	0.00e+00
SYT1	0.00e+00	4.08e-01	0.999	0.879	0.00e+00
SYT10	0.00e+00	-8.55e-01	0.054	0.263	0.00e+00
SYT12	0.00e+00	4.30e-01	0.472	0.313	0.00e+00
SYT13	0.00e+00	5.43e-01	0.652	0.35	0.00e+00
SYT14	0.00e+00	3.24e-01	0.949	0.835	0.00e+00
SYT16	0.00e+00	4.91e-01	0.97	0.828	0.00e+00
SYT17	0.00e+00	7.76e-01	0.662	0.294	0.00e+00
SYT5	0.00e+00	3.34e-01	0.597	0.388	0.00e+00
SYT7	0.00e+00	1.06e+00	0.816	0.426	0.00e+00
SYT9	0.00e+00	7.91e-01	0.617	0.235	0.00e+00
SYTL2	0.00e+00	5.08e-01	0.61	0.331	0.00e+00
SYTL5	0.00e+00	-8.46e-01	0.182	0.429	0.00e+00
TACC1	0.00e+00	5.38e-01	0.843	0.688	0.00e+00
TACR1	0.00e+00	-9.92e-01	0.144	0.318	0.00e+00
TACR3	0.00e+00	8.08e-01	0.225	0.067	0.00e+00
TAF1	0.00e+00	4.36e-01	0.777	0.635	0.00e+00
TAF15	0.00e+00	4.16e-01	0.9	0.815	0.00e+00

TAF1B	0.00e+00	4.20e-01	0.74	0.542	0.00e+00
TAF1D	0.00e+00	4.07e-01	0.853	0.738	0.00e+00
TAF2	0.00e+00	3.13e-01	0.738	0.6	0.00e+00
TAF4B	0.00e+00	2.64e-01	0.475	0.316	0.00e+00
TAF7L	0.00e+00	3.18e-01	0.255	0.075	0.00e+00
TAFA1	0.00e+00	2.74e+00	0.915	0.269	0.00e+00
TAFA2	0.00e+00	1.91e+00	0.968	0.629	0.00e+00
TAFA5	0.00e+00	6.27e-01	0.773	0.583	0.00e+00
TAMALIN	0.00e+00	3.82e-01	0.322	0.101	0.00e+00
TAMM41	0.00e+00	4.89e-01	0.715	0.531	0.00e+00
TANC2	0.00e+00	6.70e-01	0.99	0.936	0.00e+00
TANGO2	0.00e+00	3.49e-01	0.464	0.284	0.00e+00
TAOK1	0.00e+00	6.50e-01	0.949	0.866	0.00e+00
TAPT1	0.00e+00	3.37e-01	0.632	0.482	0.00e+00
TAPT1-AS1	0.00e+00	7.95e-01	0.931	0.799	0.00e+00
TARBP1	0.00e+00	7.18e-01	0.964	0.848	0.00e+00
TASOR	0.00e+00	4.19e-01	0.729	0.53	0.00e+00
TASOR2	0.00e+00	4.92e-01	0.865	0.67	0.00e+00
TASP1	0.00e+00	4.90e-01	0.888	0.719	0.00e+00
TBC1D1	0.00e+00	1.01e+00	0.771	0.415	0.00e+00
TBC1D15	0.00e+00	3.01e-01	0.746	0.613	0.00e+00
TBC1D19	0.00e+00	5.22e-01	0.899	0.75	0.00e+00
TBC1D22A	0.00e+00	5.13e-01	0.873	0.76	0.00e+00
TBC1D23	0.00e+00	3.54e-01	0.662	0.497	0.00e+00
TBC1D24	0.00e+00	3.04e-01	0.551	0.374	0.00e+00
TBC1D26	0.00e+00	2.99e-01	0.25	0.08	0.00e+00

TBC1D31	0.00e+00	3.96e-01	0.591	0.395	0.00e+00
TBC1D32	0.00e+00	4.61e-01	0.916	0.787	0.00e+00
TBC1D4	0.00e+00	4.31e-01	0.686	0.414	0.00e+00
TBC1D5	0.00e+00	4.82e-01	0.974	0.942	0.00e+00
TBC1D8	0.00e+00	3.57e-01	0.673	0.53	0.00e+00
TBC1D9	0.00e+00	3.20e-01	0.742	0.58	0.00e+00
TBC1D9B	0.00e+00	3.62e-01	0.566	0.387	0.00e+00
TBCA	0.00e+00	3.72e-01	0.852	0.731	0.00e+00
TBCD	0.00e+00	5.66e-01	0.797	0.64	0.00e+00
TBCK	0.00e+00	5.04e-01	0.951	0.864	0.00e+00
TBK1	0.00e+00	3.17e-01	0.692	0.527	0.00e+00
TBL1XR1	0.00e+00	4.95e-01	0.946	0.9	0.00e+00
TBR1	0.00e+00	2.68e-01	0.246	0.061	0.00e+00
TBRG1	0.00e+00	4.31e-01	0.734	0.544	0.00e+00
TCERG1	0.00e+00	4.17e-01	0.878	0.757	0.00e+00
TCERG1L	0.00e+00	4.68e-01	0.456	0.308	0.00e+00
TCF12	0.00e+00	-8.43e-01	0.773	0.889	0.00e+00
TCF20	0.00e+00	4.98e-01	0.869	0.751	0.00e+00
TCF25	0.00e+00	3.33e-01	0.837	0.731	0.00e+00
TCF4	0.00e+00	3.96e-01	0.949	0.657	0.00e+00
TCP10L	0.00e+00	8.93e-01	0.738	0.441	0.00e+00
TDO2	0.00e+00	5.56e-01	0.223	0.045	0.00e+00
TDRD3	0.00e+00	3.57e-01	0.834	0.733	0.00e+00
TDRD5	0.00e+00	3.70e-01	0.473	0.25	0.00e+00
TDRD7	0.00e+00	3.47e-01	0.515	0.336	0.00e+00
TDRD9	0.00e+00	3.30e-01	0.299	0.14	0.00e+00

TEAD1	0.00e+00	3.69e-01	0.798	0.67	0.00e+00
TECPR1	0.00e+00	3.37e-01	0.522	0.342	0.00e+00
TECPR2	0.00e+00	4.52e-01	0.753	0.586	0.00e+00
TEK	0.00e+00	3.97e-01	0.355	0.194	0.00e+00
TEKT4P2	0.00e+00	3.39e-01	0.334	0.183	0.00e+00
TENM2	0.00e+00	8.01e-01	0.981	0.842	0.00e+00
TENM4	0.00e+00	9.57e-01	0.977	0.846	0.00e+00
TENT2	0.00e+00	4.38e-01	0.903	0.817	0.00e+00
TENT4B	0.00e+00	3.88e-01	0.697	0.531	0.00e+00
TESC	0.00e+00	8.48e-01	0.503	0.145	0.00e+00
TET3	0.00e+00	6.99e-01	0.809	0.622	0.00e+00
TEX41	0.00e+00	5.71e-01	0.212	0.077	0.00e+00
TFAP2D	0.00e+00	6.05e-01	0.302	0.02	0.00e+00
TFCP2	0.00e+00	5.97e-01	0.88	0.737	0.00e+00
TFDP2	0.00e+00	4.22e-01	0.909	0.798	0.00e+00
TG	0.00e+00	1.87e+00	0.508	0.042	0.00e+00
TGFBR1	0.00e+00	-3.55e-01	0.082	0.235	0.00e+00
THOC1	0.00e+00	4.12e-01	0.757	0.612	0.00e+00
THOC3	0.00e+00	2.82e-01	0.236	0.105	0.00e+00
THRAP3	0.00e+00	4.36e-01	0.811	0.655	0.00e+00
THRB	0.00e+00	8.71e-01	0.914	0.74	0.00e+00
THSD4-AS1	0.00e+00	3.14e-01	0.293	0.123	0.00e+00
THUMPD3-AS1	0.00e+00	5.65e-01	0.788	0.598	0.00e+00
TIAM1	0.00e+00	5.58e-01	0.975	0.869	0.00e+00
TIAM2	0.00e+00	5.30e-01	0.911	0.785	0.00e+00
TJP1	0.00e+00	9.11e-01	0.976	0.892	0.00e+00

TLE1	0.00e+00	9.50e-01	0.728	0.362	0.00e+00
TLK1	0.00e+00	6.30e-01	0.911	0.775	0.00e+00
TLN2	0.00e+00	3.52e-01	0.91	0.798	0.00e+00
TM7SF3	0.00e+00	4.25e-01	0.746	0.567	0.00e+00
TMCC1	0.00e+00	6.68e-01	0.965	0.895	0.00e+00
TMCO3	0.00e+00	3.37e-01	0.624	0.475	0.00e+00
TMED11P	0.00e+00	4.38e-01	0.336	0.126	0.00e+00
TMED8	0.00e+00	3.24e-01	0.716	0.568	0.00e+00
TMEFF2	0.00e+00	1.09e+00	0.975	0.833	0.00e+00
TMEM108	0.00e+00	1.33e+00	0.986	0.606	0.00e+00
TMEM108-AS1	0.00e+00	3.02e-01	0.152	0.02	0.00e+00
TMEM116	0.00e+00	3.50e-01	0.493	0.307	0.00e+00
TMEM117	0.00e+00	8.96e-01	0.91	0.753	0.00e+00
TMEM120B	0.00e+00	3.36e-01	0.726	0.551	0.00e+00
TMEM130	0.00e+00	3.50e-01	0.806	0.622	0.00e+00
TMEM131	0.00e+00	3.29e-01	0.877	0.801	0.00e+00
TMEM132B	0.00e+00	5.44e-01	0.982	0.846	0.00e+00
TMEM135	0.00e+00	5.75e-01	0.897	0.751	0.00e+00
TMEM143	0.00e+00	2.64e-01	0.312	0.169	0.00e+00
TMEM161A	0.00e+00	2.75e-01	0.361	0.202	0.00e+00
TMEM161B-AS1	0.00e+00	5.90e-01	0.978	0.925	0.00e+00
TMEM163	0.00e+00	7.62e-01	0.684	0.335	0.00e+00
TMEM170B	0.00e+00	5.17e-01	0.702	0.48	0.00e+00
TMEM175	0.00e+00	3.62e-01	0.649	0.462	0.00e+00
TMEM178A	0.00e+00	1.20e+00	0.888	0.484	0.00e+00
TMEM178B	0.00e+00	7.50e-01	0.991	0.902	0.00e+00



TMEM181	0.00e+00	3.97e-01	0.81	0.667	0.00e+00
TMEM184B	0.00e+00	4.27e-01	0.661	0.477	0.00e+00
TMEM200A	0.00e+00	4.95e-01	0.409	0.169	0.00e+00
TMEM232	0.00e+00	7.11e-01	0.954	0.788	0.00e+00
TMEM241	0.00e+00	8.68e-01	0.864	0.569	0.00e+00
TMEM244	0.00e+00	3.87e-01	0.252	0.057	0.00e+00
TMEM245	0.00e+00	3.83e-01	0.85	0.723	0.00e+00
TMEM26	0.00e+00	3.11e-01	0.228	0.055	0.00e+00
TMEM266	0.00e+00	4.45e-01	0.575	0.356	0.00e+00
TMEM275	0.00e+00	3.18e-01	0.228	0.078	0.00e+00
TMEM38A	0.00e+00	3.40e-01	0.555	0.405	0.00e+00
TMEM39B	0.00e+00	2.75e-01	0.447	0.302	0.00e+00
TMEM41B	0.00e+00	3.78e-01	0.737	0.576	0.00e+00
TMEM59L	0.00e+00	3.91e-01	0.905	0.726	0.00e+00
TMEM63B	0.00e+00	3.76e-01	0.611	0.431	0.00e+00
TMEM65	0.00e+00	4.14e-01	0.731	0.493	0.00e+00
TMEM67	0.00e+00	4.26e-01	0.746	0.535	0.00e+00
TMEM72-AS1	0.00e+00	4.31e-01	0.583	0.375	0.00e+00
TMEM74	0.00e+00	3.21e-01	0.299	0.114	0.00e+00
TMOD1	0.00e+00	8.17e-01	0.672	0.323	0.00e+00
TMOD2	0.00e+00	4.75e-01	0.861	0.715	0.00e+00
TMOD3	0.00e+00	3.89e-01	0.627	0.447	0.00e+00
TMPRSS9	0.00e+00	4.15e-01	0.172	0.071	0.00e+00
TMSB10	0.00e+00	3.33e-01	0.694	0.49	0.00e+00
TMTC3	0.00e+00	4.34e-01	0.703	0.524	0.00e+00
TMX3	0.00e+00	3.46e-01	0.737	0.578	0.00e+00

TNFAIP8L3	0.00e+00	3.27e-01	0.357	0.175	0.00e+00
TNFRSF21	0.00e+00	3.25e-01	0.491	0.312	0.00e+00
TNFRSF25	0.00e+00	5.03e-01	0.554	0.304	0.00e+00
TNFSF13B	0.00e+00	6.12e-01	0.536	0.266	0.00e+00
TNK2	0.00e+00	2.94e-01	0.704	0.566	0.00e+00
TNKS	0.00e+00	3.15e-01	0.96	0.923	0.00e+00
TNKS1BP1	0.00e+00	2.55e-01	0.334	0.188	0.00e+00
TNNI3K	0.00e+00	3.35e-01	0.556	0.39	0.00e+00
TNPO1	0.00e+00	8.51e-01	0.929	0.765	0.00e+00
TNPO3	0.00e+00	3.19e-01	0.699	0.553	0.00e+00
TNR	0.00e+00	9.87e-01	0.957	0.683	0.00e+00
TNRC6A	0.00e+00	4.33e-01	0.992	0.971	0.00e+00
TNRC6B	0.00e+00	6.21e-01	0.986	0.967	0.00e+00
TNRC6C	0.00e+00	5.96e-01	0.958	0.878	0.00e+00
TOGARAM1	0.00e+00	3.52e-01	0.837	0.728	0.00e+00
TOLLIP	0.00e+00	3.92e-01	0.542	0.333	0.00e+00
TOM1L1	0.00e+00	5.57e-01	0.741	0.505	0.00e+00
TOM1L2	0.00e+00	5.32e-01	0.852	0.738	0.00e+00
TOP1	0.00e+00	3.58e-01	0.824	0.712	0.00e+00
TOP3A	0.00e+00	2.78e-01	0.507	0.359	0.00e+00
TOPBP1	0.00e+00	3.12e-01	0.502	0.334	0.00e+00
TOR1AIP2	0.00e+00	4.83e-01	0.768	0.574	0.00e+00
TOX2	0.00e+00	-5.12e-01	0.23	0.404	0.00e+00
TOX3	0.00e+00	5.48e-01	0.482	0.313	0.00e+00
TP53I11	0.00e+00	3.53e-01	0.349	0.145	0.00e+00
TPD52	0.00e+00	5.39e-01	0.721	0.496	0.00e+00

TPD52L2	0.00e+00	3.70e-01	0.58	0.396	0.00e+00
TPGS2	0.00e+00	5.84e-01	0.705	0.46	0.00e+00
TPM1	0.00e+00	4.57e-01	0.773	0.571	0.00e+00
TPM3	0.00e+00	3.30e-01	0.701	0.527	0.00e+00
TPM4	0.00e+00	3.06e-01	0.437	0.275	0.00e+00
TPPP	0.00e+00	2.80e-01	0.64	0.481	0.00e+00
TPT1	0.00e+00	4.60e-01	0.602	0.458	0.00e+00
TPT1-AS1	0.00e+00	6.68e-01	0.851	0.639	0.00e+00
TPTE2P1	0.00e+00	6.92e-01	0.673	0.37	0.00e+00
TPTE2P5	0.00e+00	4.51e-01	0.659	0.443	0.00e+00
TPTEP2	0.00e+00	4.22e-01	0.508	0.3	0.00e+00
TRA2A	0.00e+00	3.88e-01	0.926	0.864	0.00e+00
TRAF3	0.00e+00	5.42e-01	0.79	0.621	0.00e+00
TRAF3IP1	0.00e+00	3.65e-01	0.673	0.504	0.00e+00
TRAF5	0.00e+00	6.42e-01	0.536	0.213	0.00e+00
TRAF6	0.00e+00	3.09e-01	0.529	0.349	0.00e+00
TRAK1	0.00e+00	3.42e-01	0.766	0.625	0.00e+00
TRAK2	0.00e+00	4.75e-01	0.819	0.659	0.00e+00
TRANK1	0.00e+00	3.39e-01	0.812	0.658	0.00e+00
TRAP1	0.00e+00	4.26e-01	0.687	0.524	0.00e+00
TRAPPC10	0.00e+00	3.19e-01	0.65	0.509	0.00e+00
TRAPPC11	0.00e+00	3.81e-01	0.711	0.555	0.00e+00
TRAPPC12	0.00e+00	4.69e-01	0.797	0.663	0.00e+00
TRAPPC13	0.00e+00	3.79e-01	0.717	0.552	0.00e+00
TRAPPC6B	0.00e+00	2.96e-01	0.692	0.555	0.00e+00
TRHR	0.00e+00	3.15e-01	0.237	0.091	0.00e+00

TRIM2	0.00e+00	4.34e-01	0.954	0.876	0.00e+00
TRIM33	0.00e+00	4.82e-01	0.908	0.801	0.00e+00
TRIM36	0.00e+00	6.43e-01	0.635	0.361	0.00e+00
TRIM37	0.00e+00	3.34e-01	0.811	0.673	0.00e+00
TRIM44	0.00e+00	4.45e-01	0.913	0.821	0.00e+00
TRIM46	0.00e+00	3.03e-01	0.45	0.271	0.00e+00
TRIM54	0.00e+00	1.01e+00	0.494	0.034	0.00e+00
TRIM69	0.00e+00	4.12e-01	0.5	0.312	0.00e+00
TRIM71	0.00e+00	3.06e-01	0.355	0.192	0.00e+00
TRIM9	0.00e+00	7.57e-01	0.984	0.875	0.00e+00
TRIO	0.00e+00	4.90e-01	0.986	0.939	0.00e+00
TRIP12	0.00e+00	4.20e-01	0.913	0.832	0.00e+00
TRIP4	0.00e+00	4.82e-01	0.672	0.457	0.00e+00
TRIT1	0.00e+00	3.46e-01	0.632	0.468	0.00e+00
TRMT1	0.00e+00	2.60e-01	0.375	0.223	0.00e+00
TRMT11	0.00e+00	6.55e-01	0.952	0.809	0.00e+00
TRMT61B	0.00e+00	3.62e-01	0.674	0.505	0.00e+00
TRMU	0.00e+00	3.30e-01	0.506	0.324	0.00e+00
TRNAU1AP	0.00e+00	2.94e-01	0.567	0.412	0.00e+00
TRPC4	0.00e+00	6.58e-01	0.797	0.484	0.00e+00
TRPC5	0.00e+00	7.65e-01	0.499	0.274	0.00e+00
TRPM2	0.00e+00	3.98e-01	0.62	0.396	0.00e+00
TRPM3	0.00e+00	2.23e+00	0.852	0.564	0.00e+00
TRPM7	0.00e+00	4.08e-01	0.833	0.715	0.00e+00
TSBP1-AS1	0.00e+00	9.37e-01	0.77	0.473	0.00e+00
TSC22D1	0.00e+00	5.83e-01	0.976	0.887	0.00e+00

TSC22D2	0.00e+00	3.49e-01	0.801	0.666	0.00e+00
TSEN2	0.00e+00	3.44e-01	0.715	0.569	0.00e+00
TSGA10	0.00e+00	3.96e-01	0.771	0.632	0.00e+00
TSHZ1	0.00e+00	-9.38e-01	0.305	0.466	0.00e+00
TSHZ2	0.00e+00	1.32e+00	0.491	0.316	0.00e+00
TSNARE1	0.00e+00	4.16e-01	0.576	0.385	0.00e+00
TSPAN13	0.00e+00	3.29e-01	0.666	0.473	0.00e+00
TSPAN14	0.00e+00	2.75e-01	0.481	0.315	0.00e+00
TSPAN5	0.00e+00	9.90e-01	0.959	0.816	0.00e+00
TSPAN7	0.00e+00	3.09e-01	0.915	0.778	0.00e+00
TSPOAP1	0.00e+00	7.32e-01	0.734	0.463	0.00e+00
TTBK1	0.00e+00	2.77e-01	0.43	0.282	0.00e+00
TTC1	0.00e+00	4.07e-01	0.75	0.575	0.00e+00
TTC13	0.00e+00	4.77e-01	0.813	0.642	0.00e+00
TTC14	0.00e+00	5.72e-01	0.935	0.844	0.00e+00
TTC17	0.00e+00	3.90e-01	0.935	0.884	0.00e+00
TTC19	0.00e+00	4.16e-01	0.883	0.759	0.00e+00
TTC23L	0.00e+00	2.94e-01	0.526	0.346	0.00e+00
TTC26	0.00e+00	3.72e-01	0.562	0.375	0.00e+00
TTC28	0.00e+00	4.36e-01	0.965	0.915	0.00e+00
TTC28-AS1	0.00e+00	5.77e-01	0.737	0.498	0.00e+00
TTC3	0.00e+00	7.55e-01	0.997	0.955	0.00e+00
TTC37	0.00e+00	3.90e-01	0.895	0.788	0.00e+00
TTC39C	0.00e+00	7.26e-01	0.83	0.596	0.00e+00
TTC5	0.00e+00	3.52e-01	0.566	0.388	0.00e+00
TTC6	0.00e+00	6.43e-01	0.346	0.08	0.00e+00

TTC7B	0.00e+00	9.22e-01	0.943	0.804	0.00e+00
TTC8	0.00e+00	4.05e-01	0.794	0.628	0.00e+00
TTC9B	0.00e+00	4.57e-01	0.58	0.344	0.00e+00
TTL	0.00e+00	4.41e-01	0.681	0.472	0.00e+00
TTLL1	0.00e+00	3.87e-01	0.434	0.236	0.00e+00
TTLL11	0.00e+00	4.39e-01	0.783	0.614	0.00e+00
TTLL3	0.00e+00	3.59e-01	0.548	0.361	0.00e+00
TTLL5	0.00e+00	6.01e-01	0.843	0.683	0.00e+00
TTLL7	0.00e+00	5.27e-01	0.968	0.868	0.00e+00
TTN-AS1	0.00e+00	6.08e-01	0.787	0.667	0.00e+00
TTY14	0.00e+00	5.75e-01	0.979	0.885	0.00e+00
TTYH3	0.00e+00	4.02e-01	0.572	0.382	0.00e+00
TUB	0.00e+00	5.91e-01	0.707	0.438	0.00e+00
TUBBP5	0.00e+00	5.37e-01	0.376	0.131	0.00e+00
TUBG2	0.00e+00	3.31e-01	0.527	0.361	0.00e+00
TUBGCP6	0.00e+00	2.55e-01	0.415	0.27	0.00e+00
TVP23A	0.00e+00	4.46e-01	0.672	0.476	0.00e+00
TXNL1	0.00e+00	3.00e-01	0.692	0.546	0.00e+00
TXNL4A	0.00e+00	5.11e-01	0.729	0.522	0.00e+00
TYK2	0.00e+00	2.57e-01	0.376	0.22	0.00e+00
TYRO3	0.00e+00	7.35e-01	0.628	0.293	0.00e+00
TYSND1	0.00e+00	2.53e-01	0.343	0.204	0.00e+00
TYW1	0.00e+00	4.36e-01	0.798	0.657	0.00e+00
TYW1B	0.00e+00	5.30e-01	0.645	0.419	0.00e+00
UBAC2	0.00e+00	4.27e-01	0.862	0.756	0.00e+00
UBAP1L	0.00e+00	3.70e-01	0.714	0.535	0.00e+00

UBAP2	0.00e+00	4.12e-01	0.775	0.619	0.00e+00
UBE2B	0.00e+00	4.11e-01	0.861	0.724	0.00e+00
UBE2D2	0.00e+00	4.40e-01	0.811	0.672	0.00e+00
UBE2D3	0.00e+00	4.35e-01	0.921	0.833	0.00e+00
UBE2E2	0.00e+00	9.12e-01	0.984	0.896	0.00e+00
UBE2E3	0.00e+00	5.68e-01	0.861	0.707	0.00e+00
UBE2G2	0.00e+00	4.16e-01	0.793	0.645	0.00e+00
UBE2H	0.00e+00	6.17e-01	0.916	0.783	0.00e+00
UBE2K	0.00e+00	4.23e-01	0.907	0.816	0.00e+00
UBE2L3	0.00e+00	3.14e-01	0.552	0.405	0.00e+00
UBE2O	0.00e+00	4.95e-01	0.761	0.576	0.00e+00
UBE2R2	0.00e+00	4.71e-01	0.873	0.758	0.00e+00
UBE2V1	0.00e+00	4.56e-01	0.681	0.449	0.00e+00
UBE2W	0.00e+00	4.56e-01	0.815	0.612	0.00e+00
UBE3A	0.00e+00	4.41e-01	0.945	0.875	0.00e+00
UBE3C	0.00e+00	4.82e-01	0.897	0.79	0.00e+00
UBE3D	0.00e+00	2.95e-01	0.795	0.658	0.00e+00
UBE4B	0.00e+00	5.12e-01	0.894	0.787	0.00e+00
UBN2	0.00e+00	4.89e-01	0.9	0.777	0.00e+00
UBP1	0.00e+00	3.74e-01	0.783	0.615	0.00e+00
UBQLN1	0.00e+00	2.99e-01	0.759	0.622	0.00e+00
UBR1	0.00e+00	4.45e-01	0.914	0.819	0.00e+00
UBR2	0.00e+00	3.79e-01	0.905	0.828	0.00e+00
UBR3	0.00e+00	5.01e-01	0.974	0.933	0.00e+00
UBR4	0.00e+00	4.62e-01	0.789	0.644	0.00e+00
UBR5	0.00e+00	4.01e-01	0.956	0.909	0.00e+00

UBXN2B	0.00e+00	3.62e-01	0.736	0.576	0.00e+00
UBXN4	0.00e+00	5.53e-01	0.887	0.736	0.00e+00
UCHL1	0.00e+00	5.56e-01	0.915	0.74	0.00e+00
UCK2	0.00e+00	3.99e-01	0.614	0.431	0.00e+00
UFM1	0.00e+00	3.12e-01	0.614	0.463	0.00e+00
UGGT2	0.00e+00	6.56e-01	0.933	0.745	0.00e+00
UHRF1BP1L	0.00e+00	3.87e-01	0.761	0.608	0.00e+00
UIMC1	0.00e+00	3.75e-01	0.784	0.629	0.00e+00
ULK1	0.00e+00	3.00e-01	0.556	0.402	0.00e+00
ULK2	0.00e+00	3.72e-01	0.809	0.664	0.00e+00
ULK4	0.00e+00	6.47e-01	0.896	0.711	0.00e+00
UNC13A	0.00e+00	6.72e-01	0.81	0.58	0.00e+00
UNC13B	0.00e+00	7.03e-01	0.77	0.474	0.00e+00
UNC13C	0.00e+00	9.23e-01	0.763	0.476	0.00e+00
UNC5A	0.00e+00	7.62e-01	0.699	0.358	0.00e+00
UNC5B	0.00e+00	2.81e-01	0.361	0.165	0.00e+00
UNC5C	0.00e+00	9.85e-01	0.98	0.81	0.00e+00
UNC5D	0.00e+00	-1.37e+00	0.731	0.801	0.00e+00
UNC79	0.00e+00	6.29e-01	0.99	0.905	0.00e+00
UNC80	0.00e+00	5.76e-01	0.977	0.858	0.00e+00
UPP2	0.00e+00	1.52e+00	0.945	0.707	0.00e+00
URB1	0.00e+00	3.04e-01	0.544	0.395	0.00e+00
URGCP	0.00e+00	5.42e-01	0.856	0.678	0.00e+00
UROS	0.00e+00	3.54e-01	0.623	0.448	0.00e+00
USF3	0.00e+00	3.45e-01	0.571	0.404	0.00e+00
USP14	0.00e+00	3.35e-01	0.809	0.665	0.00e+00



USP15	0.00e+00	3.47e-01	0.881	0.788	0.00e+00
USP25	0.00e+00	8.47e-01	0.948	0.807	0.00e+00
USP28	0.00e+00	5.88e-01	0.663	0.391	0.00e+00
USP3-AS1	0.00e+00	2.94e-01	0.501	0.346	0.00e+00
USP31	0.00e+00	5.59e-01	0.791	0.564	0.00e+00
USP32	0.00e+00	4.33e-01	0.863	0.742	0.00e+00
USP33	0.00e+00	3.52e-01	0.912	0.83	0.00e+00
USP34	0.00e+00	3.90e-01	0.967	0.943	0.00e+00
USP37	0.00e+00	3.45e-01	0.714	0.568	0.00e+00
USP43	0.00e+00	3.69e-01	0.325	0.121	0.00e+00
USP46	0.00e+00	3.88e-01	0.67	0.472	0.00e+00
USP49	0.00e+00	4.38e-01	0.764	0.573	0.00e+00
USP8	0.00e+00	4.55e-01	0.75	0.577	0.00e+00
USP9Y	0.00e+00	4.84e-01	0.957	0.857	0.00e+00
UST	0.00e+00	-9.75e-01	0.084	0.296	0.00e+00
UTP23	0.00e+00	5.13e-01	0.767	0.587	0.00e+00
UTRN	0.00e+00	-1.15e+00	0.284	0.484	0.00e+00
UTY	0.00e+00	3.67e-01	0.938	0.863	0.00e+00
UVRAG	0.00e+00	4.05e-01	0.906	0.815	0.00e+00
UXS1	0.00e+00	4.37e-01	0.651	0.474	0.00e+00
VASH1	0.00e+00	3.23e-01	0.43	0.252	0.00e+00
VASH2	0.00e+00	2.62e-01	0.271	0.145	0.00e+00
VAV2	0.00e+00	-3.73e-01	0.089	0.253	0.00e+00
VCL	0.00e+00	4.87e-01	0.727	0.528	0.00e+00
VEZT	0.00e+00	6.29e-01	0.945	0.838	0.00e+00
VGLL4	0.00e+00	4.51e-01	0.846	0.752	0.00e+00

VHL	0.00e+00	3.90e-01	0.531	0.329	0.00e+00
VIPR1	0.00e+00	3.83e-01	0.411	0.176	0.00e+00
VKORC1L1	0.00e+00	5.00e-01	0.714	0.53	0.00e+00
VMP1	0.00e+00	3.30e-01	0.816	0.696	0.00e+00
VOPP1	0.00e+00	4.95e-01	0.759	0.566	0.00e+00
VPS13A	0.00e+00	1.17e+00	0.964	0.766	0.00e+00
VPS13B	0.00e+00	6.06e-01	0.97	0.919	0.00e+00
VPS13D	0.00e+00	4.22e-01	0.902	0.81	0.00e+00
VPS37B	0.00e+00	3.70e-01	0.415	0.208	0.00e+00
VPS41	0.00e+00	4.77e-01	0.855	0.707	0.00e+00
VPS45	0.00e+00	4.26e-01	0.848	0.712	0.00e+00
VPS50	0.00e+00	4.81e-01	0.87	0.735	0.00e+00
VPS53	0.00e+00	7.24e-01	0.904	0.783	0.00e+00
VPS8	0.00e+00	4.36e-01	0.895	0.766	0.00e+00
VPS9D1	0.00e+00	4.47e-01	0.695	0.481	0.00e+00
VRK1	0.00e+00	3.60e-01	0.653	0.456	0.00e+00
VSTM2B	0.00e+00	8.18e-01	0.743	0.424	0.00e+00
VSTM2L	0.00e+00	2.79e-01	0.582	0.419	0.00e+00
VTA1	0.00e+00	2.94e-01	0.624	0.47	0.00e+00
VTI1A	0.00e+00	6.10e-01	0.954	0.874	0.00e+00
VWA5A	0.00e+00	4.06e-01	0.447	0.286	0.00e+00
VWA5B2	0.00e+00	7.02e-01	0.663	0.335	0.00e+00
VWC2	0.00e+00	5.73e-01	0.696	0.402	0.00e+00
VWC2L	0.00e+00	-1.07e+00	0.178	0.351	0.00e+00
VWCE	0.00e+00	2.62e-01	0.318	0.164	0.00e+00
WAC	0.00e+00	4.33e-01	0.902	0.812	0.00e+00

WAC-AS1	0.00e+00	3.64e-01	0.597	0.413	0.00e+00
WARS1	0.00e+00	4.06e-01	0.471	0.263	0.00e+00
WARS2-AS1	0.00e+00	6.39e-01	0.625	0.368	0.00e+00
WASF1	0.00e+00	8.45e-01	0.931	0.7	0.00e+00
WASL	0.00e+00	3.20e-01	0.742	0.597	0.00e+00
WDFY3	0.00e+00	3.78e-01	0.953	0.924	0.00e+00
WDPCP	0.00e+00	4.23e-01	0.955	0.885	0.00e+00
WDR17	0.00e+00	7.28e-01	0.961	0.83	0.00e+00
WDR26	0.00e+00	4.11e-01	0.77	0.631	0.00e+00
WDR36	0.00e+00	2.73e-01	0.533	0.378	0.00e+00
WDR37	0.00e+00	5.55e-01	0.843	0.666	0.00e+00
WDR44	0.00e+00	4.20e-01	0.713	0.555	0.00e+00
WDR7	0.00e+00	7.32e-01	0.961	0.882	0.00e+00
WDR70	0.00e+00	4.92e-01	0.937	0.858	0.00e+00
WDR86	0.00e+00	8.12e-01	0.389	0.072	0.00e+00
WDR97	0.00e+00	2.87e-01	0.329	0.154	0.00e+00
WFS1	0.00e+00	-3.51e-01	0.117	0.263	0.00e+00
WIPF2	0.00e+00	4.28e-01	0.774	0.615	0.00e+00
WIPF3	0.00e+00	3.41e-01	0.637	0.45	0.00e+00
WNK1	0.00e+00	4.21e-01	0.935	0.868	0.00e+00
WNK2	0.00e+00	7.40e-01	0.934	0.75	0.00e+00
WNT10B	0.00e+00	3.16e-01	0.389	0.211	0.00e+00
WRN	0.00e+00	3.19e-01	0.804	0.671	0.00e+00
WWC1	0.00e+00	6.72e-01	0.755	0.482	0.00e+00
WWC2	0.00e+00	7.11e-01	0.825	0.619	0.00e+00
WWC3	0.00e+00	3.67e-01	0.57	0.4	0.00e+00

XKR4	0.00e+00	8.79e-01	0.991	0.82	0.00e+00
XPO4	0.00e+00	3.42e-01	0.794	0.665	0.00e+00
XPO7	0.00e+00	4.06e-01	0.787	0.643	0.00e+00
XRRA1	0.00e+00	3.37e-01	0.797	0.686	0.00e+00
XYLB	0.00e+00	5.32e-01	0.65	0.406	0.00e+00
XYLT1	0.00e+00	6.94e-01	0.87	0.605	0.00e+00
YAF2	0.00e+00	5.85e-01	0.881	0.725	0.00e+00
YARS1	0.00e+00	3.36e-01	0.541	0.372	0.00e+00
YEATS2	0.00e+00	6.54e-01	0.889	0.709	0.00e+00
YJEFN3	0.00e+00	3.01e-01	0.509	0.315	0.00e+00
YLPM1	0.00e+00	4.09e-01	0.904	0.812	0.00e+00
YPEL1	0.00e+00	3.28e-01	0.578	0.395	0.00e+00
YPEL2	0.00e+00	3.78e-01	0.674	0.462	0.00e+00
YTHDC2	0.00e+00	3.61e-01	0.888	0.782	0.00e+00
YWHAB	0.00e+00	3.11e-01	0.822	0.679	0.00e+00
YWHAE	0.00e+00	3.56e-01	0.835	0.722	0.00e+00
YWHAG	0.00e+00	3.60e-01	0.84	0.677	0.00e+00
YWHAH	0.00e+00	7.70e-01	0.871	0.604	0.00e+00
YWHAQ	0.00e+00	4.02e-01	0.766	0.604	0.00e+00
YWHAZ	0.00e+00	7.98e-01	0.942	0.788	0.00e+00
YY1	0.00e+00	3.16e-01	0.673	0.535	0.00e+00
ZBTB18	0.00e+00	1.05e+00	0.7	0.274	0.00e+00
ZBTB38	0.00e+00	5.05e-01	0.867	0.726	0.00e+00
ZBTB4	0.00e+00	3.59e-01	0.642	0.489	0.00e+00
ZBTB41	0.00e+00	3.76e-01	0.621	0.427	0.00e+00
ZBTB43	0.00e+00	3.08e-01	0.644	0.492	0.00e+00

ZBTB46	0.00e+00	4.78e-01	0.585	0.374	0.00e+00
ZBTB7A	0.00e+00	3.89e-01	0.655	0.509	0.00e+00
ZBTB8OS	0.00e+00	5.52e-01	0.876	0.726	0.00e+00
ZC2HC1A	0.00e+00	4.46e-01	0.828	0.676	0.00e+00
ZC3H11A	0.00e+00	4.07e-01	0.788	0.595	0.00e+00
ZC3H12B	0.00e+00	4.37e-01	0.685	0.514	0.00e+00
ZC3H14	0.00e+00	5.25e-01	0.865	0.703	0.00e+00
ZC3H3	0.00e+00	3.07e-01	0.428	0.264	0.00e+00
ZC3H7B	0.00e+00	3.26e-01	0.525	0.373	0.00e+00
ZCCHC17	0.00e+00	5.28e-01	0.779	0.568	0.00e+00
ZCCHC2	0.00e+00	3.13e-01	0.676	0.522	0.00e+00
ZCCHC7	0.00e+00	5.46e-01	0.968	0.897	0.00e+00
ZCCHC9	0.00e+00	2.59e-01	0.425	0.277	0.00e+00
ZCWPW2	0.00e+00	5.32e-01	0.621	0.405	0.00e+00
ZDHHC11	0.00e+00	3.62e-01	0.44	0.286	0.00e+00
ZDHHC11B	0.00e+00	3.15e-01	0.657	0.499	0.00e+00
ZDHHC14	0.00e+00	1.21e+00	0.96	0.742	0.00e+00
ZDHHC21	0.00e+00	2.69e-01	0.913	0.837	0.00e+00
ZDHHC23	0.00e+00	6.04e-01	0.528	0.22	0.00e+00
ZEB2	0.00e+00	3.80e-01	0.842	0.5	0.00e+00
ZER1	0.00e+00	6.89e-01	0.875	0.696	0.00e+00
ZFAND3	0.00e+00	6.19e-01	0.984	0.952	0.00e+00
ZFAT	0.00e+00	4.53e-01	0.533	0.323	0.00e+00
ZFHX2-AS1	0.00e+00	3.10e-01	0.381	0.23	0.00e+00
ZFHX4	0.00e+00	-8.57e-01	0.31	0.441	0.00e+00
ZFP64	0.00e+00	4.05e-01	0.568	0.365	0.00e+00

ZFP69B	0.00e+00	2.65e-01	0.327	0.174	0.00e+00
ZFP90	0.00e+00	3.51e-01	0.738	0.59	0.00e+00
ZFPM2	0.00e+00	1.84e+00	0.941	0.614	0.00e+00
ZFPM2-AS1	0.00e+00	1.25e+00	0.614	0.226	0.00e+00
ZFR	0.00e+00	3.77e-01	0.887	0.802	0.00e+00
ZFR2	0.00e+00	5.64e-01	0.808	0.611	0.00e+00
ZFYVE21	0.00e+00	2.72e-01	0.452	0.297	0.00e+00
ZFYVE28	0.00e+00	8.61e-01	0.893	0.667	0.00e+00
ZFYVE9	0.00e+00	3.37e-01	0.883	0.779	0.00e+00
ZIM2-AS1	0.00e+00	4.56e-01	0.474	0.249	0.00e+00
ZMIZ1-AS1	0.00e+00	6.78e-01	0.515	0.239	0.00e+00
ZMIZ2	0.00e+00	3.23e-01	0.527	0.363	0.00e+00
ZMYM2	0.00e+00	4.10e-01	0.951	0.895	0.00e+00
ZMYM4	0.00e+00	3.48e-01	0.899	0.826	0.00e+00
ZMYM5	0.00e+00	3.53e-01	0.652	0.494	0.00e+00
ZMYM6	0.00e+00	2.86e-01	0.555	0.389	0.00e+00
ZMYND11	0.00e+00	3.58e-01	0.894	0.813	0.00e+00
ZMYND8	0.00e+00	7.03e-01	0.916	0.842	0.00e+00
ZNF10	0.00e+00	3.11e-01	0.705	0.531	0.00e+00
ZNF106	0.00e+00	4.81e-01	0.793	0.622	0.00e+00
ZNF135	0.00e+00	3.16e-01	0.542	0.384	0.00e+00
ZNF138	0.00e+00	3.70e-01	0.715	0.559	0.00e+00
ZNF148	0.00e+00	3.06e-01	0.933	0.874	0.00e+00
ZNF189	0.00e+00	5.10e-01	0.549	0.335	0.00e+00
ZNF19	0.00e+00	2.83e-01	0.353	0.193	0.00e+00
ZNF207	0.00e+00	3.39e-01	0.843	0.749	0.00e+00

ZNF215	0.00e+00	2.80e-01	0.269	0.113	0.00e+00
ZNF235	0.00e+00	4.10e-01	0.67	0.494	0.00e+00
ZNF236	0.00e+00	4.00e-01	0.694	0.534	0.00e+00
ZNF248	0.00e+00	4.31e-01	0.889	0.769	0.00e+00
ZNF251	0.00e+00	3.89e-01	0.764	0.62	0.00e+00
ZNF26	0.00e+00	4.72e-01	0.598	0.384	0.00e+00
ZNF264	0.00e+00	3.40e-01	0.537	0.37	0.00e+00
ZNF271P	0.00e+00	6.78e-01	0.631	0.358	0.00e+00
ZNF273	0.00e+00	4.41e-01	0.673	0.489	0.00e+00
ZNF277	0.00e+00	3.82e-01	0.685	0.503	0.00e+00
ZNF292	0.00e+00	3.82e-01	0.96	0.911	0.00e+00
ZNF318	0.00e+00	3.66e-01	0.727	0.569	0.00e+00
ZNF326	0.00e+00	4.66e-01	0.74	0.57	0.00e+00
ZNF335	0.00e+00	2.93e-01	0.426	0.274	0.00e+00
ZNF337	0.00e+00	4.29e-01	0.674	0.479	0.00e+00
ZNF341	0.00e+00	2.62e-01	0.352	0.205	0.00e+00
ZNF346	0.00e+00	4.11e-01	0.701	0.541	0.00e+00
ZNF347	0.00e+00	2.98e-01	0.395	0.237	0.00e+00
ZNF354A	0.00e+00	2.83e-01	0.423	0.256	0.00e+00
ZNF37BP	0.00e+00	5.06e-01	0.748	0.528	0.00e+00
ZNF382	0.00e+00	2.84e-01	0.655	0.495	0.00e+00
ZNF385B	0.00e+00	5.26e-01	0.717	0.498	0.00e+00
ZNF385D	0.00e+00	-1.55e+00	0.199	0.627	0.00e+00
ZNF391	0.00e+00	2.72e-01	0.32	0.168	0.00e+00
ZNF398	0.00e+00	4.11e-01	0.652	0.472	0.00e+00
ZNF407	0.00e+00	3.98e-01	0.887	0.779	0.00e+00

ZNF410	0.00e+00	2.71e-01	0.469	0.314	0.00e+00
ZNF420	0.00e+00	6.61e-01	0.703	0.468	0.00e+00
ZNF429	0.00e+00	4.48e-01	0.593	0.394	0.00e+00
ZNF431	0.00e+00	3.89e-01	0.588	0.416	0.00e+00
ZNF433-AS1	0.00e+00	3.56e-01	0.383	0.209	0.00e+00
ZNF439	0.00e+00	3.61e-01	0.577	0.401	0.00e+00
ZNF440	0.00e+00	2.72e-01	0.35	0.201	0.00e+00
ZNF449	0.00e+00	2.62e-01	0.417	0.255	0.00e+00
ZNF451	0.00e+00	4.05e-01	0.856	0.742	0.00e+00
ZNF461	0.00e+00	3.07e-01	0.499	0.337	0.00e+00
ZNF462	0.00e+00	-7.08e-01	0.534	0.737	0.00e+00
ZNF518B	0.00e+00	2.53e-01	0.401	0.25	0.00e+00
ZNF519	0.00e+00	6.89e-01	0.743	0.486	0.00e+00
ZNF529	0.00e+00	3.32e-01	0.736	0.587	0.00e+00
ZNF532	0.00e+00	4.13e-01	0.895	0.8	0.00e+00
ZNF549	0.00e+00	3.99e-01	0.568	0.394	0.00e+00
ZNF559	0.00e+00	2.83e-01	0.562	0.397	0.00e+00
ZNF577	0.00e+00	4.19e-01	0.627	0.451	0.00e+00
ZNF586	0.00e+00	4.43e-01	0.744	0.603	0.00e+00
ZNF587	0.00e+00	2.83e-01	0.486	0.339	0.00e+00
ZNF589	0.00e+00	4.29e-01	0.636	0.445	0.00e+00
ZNF594	0.00e+00	3.13e-01	0.48	0.315	0.00e+00
ZNF609	0.00e+00	7.21e-01	0.958	0.876	0.00e+00
ZNF623	0.00e+00	3.74e-01	0.455	0.252	0.00e+00
ZNF638	0.00e+00	4.58e-01	0.978	0.953	0.00e+00
ZNF667	0.00e+00	3.89e-01	0.674	0.49	0.00e+00



ZNF675	0.00e+00	7.60e-01	0.717	0.462	0.00e+00
ZNF692	0.00e+00	3.05e-01	0.452	0.284	0.00e+00
ZNF697	0.00e+00	3.91e-01	0.346	0.127	0.00e+00
ZNF702P	0.00e+00	3.46e-01	0.306	0.127	0.00e+00
ZNF706	0.00e+00	8.47e-01	0.861	0.664	0.00e+00
ZNF713	0.00e+00	3.60e-01	0.481	0.308	0.00e+00
ZNF714	0.00e+00	3.31e-01	0.558	0.398	0.00e+00
ZNF717	0.00e+00	3.76e-01	0.684	0.532	0.00e+00
ZNF721	0.00e+00	3.22e-01	0.703	0.546	0.00e+00
ZNF746	0.00e+00	2.54e-01	0.385	0.237	0.00e+00
ZNF75D	0.00e+00	3.23e-01	0.466	0.307	0.00e+00
ZNF76	0.00e+00	3.14e-01	0.521	0.365	0.00e+00
ZNF767P	0.00e+00	5.24e-01	0.696	0.484	0.00e+00
ZNF782	0.00e+00	4.20e-01	0.716	0.571	0.00e+00
ZNF786	0.00e+00	3.10e-01	0.482	0.318	0.00e+00
ZNF790-AS1	0.00e+00	3.58e-01	0.578	0.385	0.00e+00
ZNF804B	0.00e+00	-1.73e+00	0.32	0.552	0.00e+00
ZNF814	0.00e+00	3.40e-01	0.661	0.504	0.00e+00
ZNF815P	0.00e+00	3.20e-01	0.536	0.365	0.00e+00
ZNF821	0.00e+00	3.56e-01	0.67	0.499	0.00e+00
ZNF826P	0.00e+00	2.65e-01	0.285	0.14	0.00e+00
ZNF831	0.00e+00	9.34e-01	0.74	0.337	0.00e+00
ZNF846	0.00e+00	3.83e-01	0.555	0.353	0.00e+00
ZNF875	0.00e+00	4.00e-01	0.667	0.466	0.00e+00
ZNF876P	0.00e+00	4.62e-01	0.557	0.318	0.00e+00
ZNF91	0.00e+00	5.68e-01	0.917	0.805	0.00e+00

ZNNT1	0.00e+00	3.52e-01	0.332	0.141	0.00e+00
ZNRD1ASP	0.00e+00	3.45e-01	0.514	0.328	0.00e+00
ZNRF1	0.00e+00	4.44e-01	0.763	0.602	0.00e+00
ZNRF2	0.00e+00	3.23e-01	0.611	0.45	0.00e+00
ZNRF2P2	0.00e+00	3.92e-01	0.749	0.57	0.00e+00
ZRANB2	0.00e+00	5.82e-01	0.934	0.845	0.00e+00
ZRANB2-AS2	0.00e+00	3.51e-01	0.572	0.397	0.00e+00
ZRANB3	0.00e+00	6.97e-01	0.885	0.66	0.00e+00
ZSCAN5A	0.00e+00	5.04e-01	0.682	0.515	0.00e+00
ZSWIM8	0.00e+00	3.54e-01	0.6	0.428	0.00e+00
ZXDC	0.00e+00	4.91e-01	0.747	0.583	0.00e+00
ZYX	0.00e+00	3.59e-01	0.451	0.236	0.00e+00
ZZEF1	0.00e+00	3.60e-01	0.73	0.609	0.00e+00
ZZZ3	0.00e+00	4.32e-01	0.868	0.686	0.00e+00
IQGAP1	5.80e-308	2.90e-01	0.705	0.554	2.36e-303
SEPTIN8	6.34e-308	2.63e-01	0.449	0.299	2.58e-303
UGP2	7.87e-308	2.68e-01	0.709	0.567	3.21e-303
RPL36A	8.76e-308	2.98e-01	0.354	0.218	3.57e-303
MAPK4	9.09e-308	-5.63e-01	0.277	0.428	3.70e-303
ZFYVE26	9.78e-308	2.82e-01	0.464	0.318	3.99e-303
WDR47	1.22e-307	2.76e-01	0.675	0.524	4.99e-303
FBXO44	2.14e-307	2.56e-01	0.621	0.467	8.72e-303
PRPF40A	3.53e-307	3.04e-01	0.745	0.622	1.44e-302
RAD23B	4.63e-307	2.93e-01	0.743	0.607	1.89e-302
LGALS8	4.98e-307	2.53e-01	0.514	0.358	2.03e-302
CIZ1	9.56e-307	2.72e-01	0.49	0.343	3.90e-302

NEK1	1.05e-306	3.02e-01	0.878	0.792	4.27e-302
GTF2E2	1.39e-306	2.96e-01	0.619	0.472	5.66e-302
MFSD14C	4.76e-306	3.39e-01	0.832	0.745	1.94e-301
MEGF10	5.30e-306	-5.79e-01	0.102	0.229	2.16e-301
CCDC7	5.61e-306	3.47e-01	0.824	0.706	2.29e-301
PDZD2	6.91e-306	6.17e-01	0.808	0.701	2.81e-301
CHP1	8.63e-306	2.53e-01	0.438	0.288	3.52e-301
NMT1	1.20e-305	2.90e-01	0.646	0.504	4.90e-301
IQSEC3	2.17e-305	3.19e-01	0.729	0.583	8.86e-301
CALU	2.36e-305	2.84e-01	0.572	0.42	9.60e-301
LRP6	2.87e-305	3.23e-01	0.758	0.642	1.17e-300
ZSCAN30	3.31e-305	3.06e-01	0.54	0.396	1.35e-300
SPIN1	4.69e-305	2.93e-01	0.916	0.848	1.91e-300
ZNF169	6.57e-305	2.53e-01	0.38	0.238	2.68e-300
MYO9B	7.68e-305	2.79e-01	0.556	0.397	3.13e-300
EPB41L1	1.22e-304	3.39e-01	0.814	0.709	4.99e-300
DPH6-DT	1.82e-304	4.47e-01	0.718	0.586	7.41e-300
DZANK1	2.01e-304	2.74e-01	0.569	0.41	8.18e-300
LDAH	2.39e-304	3.10e-01	0.727	0.586	9.72e-300
IBTK	3.06e-304	2.80e-01	0.842	0.737	1.25e-299
GUCY1B1	4.17e-304	2.74e-01	0.779	0.633	1.70e-299
LIMK1	5.98e-304	2.68e-01	0.404	0.259	2.44e-299
CLDN16	6.02e-304	2.67e-01	0.276	0.151	2.45e-299
ARFGAP3	7.78e-304	3.03e-01	0.559	0.415	3.17e-299
DLGAP1-AS5	1.37e-303	2.74e-01	0.319	0.187	5.59e-299
MPV17	1.41e-303	2.66e-01	0.447	0.303	5.76e-299

PIKFYVE	1.80e-303	3.02e-01	0.751	0.629	7.32e-299
GAS5	2.18e-303	2.52e-01	0.47	0.318	8.90e-299
POLR3C	2.71e-303	2.53e-01	0.367	0.228	1.10e-298
ABCA7	3.25e-303	2.52e-01	0.358	0.219	1.32e-298
HEXB	3.91e-303	3.06e-01	0.532	0.385	1.59e-298
ASXL1	4.29e-303	2.95e-01	0.825	0.719	1.75e-298
RYK	7.93e-303	3.16e-01	0.809	0.698	3.23e-298
CEP170	9.64e-303	3.09e-01	0.891	0.823	3.93e-298
AFAP1	1.07e-302	4.14e-01	0.676	0.551	4.36e-298
ITGA3	1.83e-302	2.77e-01	0.497	0.343	7.47e-298
TMEM132A	4.46e-302	2.80e-01	0.521	0.372	1.82e-297
TPRG1	4.89e-302	3.73e-01	0.268	0.146	1.99e-297
CUL1	6.04e-302	3.22e-01	0.815	0.72	2.46e-297
KIF9-AS1	6.62e-302	3.05e-01	0.863	0.752	2.70e-297
DPYSL5	1.74e-301	-4.95e-01	0.517	0.632	7.08e-297
POMK	1.95e-301	2.70e-01	0.516	0.368	7.95e-297
NDUFS1	2.05e-301	3.01e-01	0.81	0.702	8.36e-297
PTPN5	2.16e-301	2.53e-01	0.783	0.625	8.80e-297
TRERF1	2.26e-301	3.16e-01	0.834	0.706	9.22e-297
IFT140	2.41e-301	2.78e-01	0.426	0.284	9.81e-297
CEP57L1	2.62e-301	2.76e-01	0.554	0.403	1.07e-296
PLA2G12A	4.95e-301	2.88e-01	0.611	0.459	2.02e-296
NRG2	5.44e-301	3.35e-01	0.865	0.756	2.21e-296
CNNM1	1.02e-300	2.99e-01	0.724	0.578	4.17e-296
ATP1B2	1.09e-300	-3.57e-01	0.208	0.354	4.43e-296
SLC22A23	1.16e-300	3.50e-01	0.78	0.664	4.74e-296

LMLN	1.51e-300	2.67e-01	0.56	0.402	6.15e-296
SCAP	1.89e-300	3.08e-01	0.677	0.542	7.71e-296
USO1	2.28e-300	2.95e-01	0.74	0.615	9.31e-296
PNKD	2.95e-300	2.83e-01	0.566	0.415	1.20e-295
DCAF10	3.07e-300	3.29e-01	0.835	0.733	1.25e-295
ALOX12-AS1	4.00e-300	3.20e-01	0.726	0.588	1.63e-295
P3H1	5.11e-300	2.54e-01	0.361	0.226	2.08e-295
DAGLB	5.26e-300	2.51e-01	0.409	0.264	2.14e-295
ASAP2	5.95e-300	-3.96e-01	0.338	0.494	2.43e-295
NEXMIF	6.49e-300	3.04e-01	0.868	0.74	2.64e-295
SLC41A3	9.72e-300	2.63e-01	0.475	0.328	3.96e-295
MTCH2	1.00e-299	3.15e-01	0.609	0.472	4.09e-295
SPART	1.04e-299	3.27e-01	0.799	0.692	4.26e-295
TARS3	1.70e-299	2.84e-01	0.737	0.582	6.91e-295
SHISA7	1.75e-299	2.90e-01	0.591	0.444	7.15e-295
TNKS2	1.76e-299	2.98e-01	0.81	0.706	7.16e-295
SS18L1	2.61e-299	2.84e-01	0.569	0.424	1.06e-294
USP48	2.88e-299	3.20e-01	0.803	0.7	1.17e-294
ATF6	3.00e-299	2.97e-01	0.805	0.693	1.22e-294
PRKAG1	3.36e-299	2.84e-01	0.503	0.356	1.37e-294
TMEM255A	4.32e-299	-3.17e-01	0.035	0.138	1.76e-294
NAA15	5.36e-299	2.99e-01	0.784	0.668	2.18e-294
ING5	5.51e-299	2.97e-01	0.576	0.436	2.24e-294
MDN1	6.62e-299	2.94e-01	0.833	0.721	2.70e-294
PXYLP1	6.97e-299	3.37e-01	0.617	0.473	2.84e-294
TSC1	9.07e-299	2.93e-01	0.722	0.595	3.69e-294

SUGP1	9.74e-299	2.67e-01	0.449	0.304	3.97e-294
CWF19L1	1.30e-298	2.77e-01	0.52	0.372	5.30e-294
MBTPS1	1.33e-298	3.34e-01	0.755	0.643	5.43e-294
TATDN1	2.71e-298	2.97e-01	0.682	0.543	1.11e-293
PIK3CB	4.39e-298	2.77e-01	0.835	0.721	1.79e-293
EXD3	6.93e-298	2.99e-01	0.538	0.393	2.82e-293
ERCC6L2	8.71e-298	3.60e-01	0.845	0.764	3.55e-293
SELENOI	1.40e-297	2.87e-01	0.675	0.534	5.71e-293
RARS2	1.48e-297	2.89e-01	0.73	0.601	6.02e-293
CEP128	1.72e-297	3.05e-01	0.649	0.491	7.01e-293
VPS26C	1.90e-297	2.87e-01	0.538	0.391	7.75e-293
GLT1D1	3.71e-297	3.14e-01	0.658	0.512	1.51e-292
LEMD3	5.08e-297	3.02e-01	0.699	0.567	2.07e-292
CDH3	6.10e-297	2.60e-01	0.357	0.22	2.48e-292
PPP4R2	6.40e-297	3.02e-01	0.7	0.568	2.61e-292
SLC25A51	8.94e-297	2.54e-01	0.446	0.297	3.64e-292
LRP11	4.09e-296	2.98e-01	0.533	0.388	1.67e-291
ATE1	4.20e-296	2.91e-01	0.872	0.785	1.71e-291
FLVCR1	8.28e-296	2.94e-01	0.606	0.465	3.37e-291
TMEM260	9.93e-296	2.81e-01	0.787	0.66	4.04e-291
LPIN1	1.23e-295	2.84e-01	0.778	0.657	5.00e-291
XPO6	1.91e-295	3.13e-01	0.727	0.601	7.80e-291
STK25	2.30e-295	2.52e-01	0.546	0.394	9.38e-291
PSMA5	3.40e-295	2.60e-01	0.464	0.318	1.39e-290
PLPP1	4.01e-295	2.95e-01	0.799	0.676	1.64e-290
REPS2	4.52e-295	3.08e-01	0.873	0.754	1.84e-290

GXYLT1	1.00e-294	2.64e-01	0.506	0.353	4.09e-290
SCARB1	1.03e-294	3.27e-01	0.605	0.47	4.19e-290
MAP3K3	1.08e-294	3.00e-01	0.657	0.516	4.40e-290
NARF	1.32e-294	2.81e-01	0.542	0.398	5.36e-290
ZNF562	1.69e-294	2.79e-01	0.582	0.436	6.87e-290
UQCC1	2.06e-294	3.05e-01	0.765	0.644	8.40e-290
NDRG4	2.32e-294	2.51e-01	0.816	0.665	9.46e-290
TENT4A	4.42e-294	3.16e-01	0.637	0.503	1.80e-289
FLG-AS1	5.76e-294	3.09e-01	0.629	0.469	2.35e-289
ANKRD20A7P	9.58e-294	2.56e-01	0.438	0.287	3.90e-289
PITRM1	1.04e-293	2.64e-01	0.441	0.299	4.24e-289
WIPF1	1.57e-293	-4.15e-01	0.111	0.239	6.38e-289
WDR33	1.59e-293	3.11e-01	0.82	0.724	6.47e-289
PRDM10	1.63e-293	2.82e-01	0.495	0.349	6.64e-289
ZNF493	1.63e-293	2.64e-01	0.57	0.422	6.65e-289
STAT5B	1.71e-293	-3.93e-01	0.403	0.547	6.95e-289
SESN1	2.07e-293	2.95e-01	0.839	0.725	8.45e-289
SLC4A3	6.67e-293	2.54e-01	0.499	0.349	2.72e-288
MAD1L1	7.71e-293	3.05e-01	0.511	0.368	3.14e-288
PPM1F	1.04e-292	2.69e-01	0.418	0.279	4.22e-288
ZMYM3	1.21e-292	2.60e-01	0.492	0.345	4.94e-288
RNF121	1.55e-292	2.89e-01	0.499	0.355	6.30e-288
RESF1	1.57e-292	2.62e-01	0.503	0.352	6.39e-288
EIF3K	1.65e-292	2.81e-01	0.55	0.407	6.72e-288
WDTC1	2.65e-292	2.90e-01	0.528	0.385	1.08e-287
IP6K1	3.20e-292	3.13e-01	0.728	0.604	1.31e-287

FNTB	4.33e-292	2.66e-01	0.519	0.367	1.76e-287
PNN	4.61e-292	3.00e-01	0.66	0.531	1.88e-287
GGNBP2	5.43e-292	2.83e-01	0.696	0.562	2.21e-287
MTMR3	9.42e-292	3.07e-01	0.827	0.735	3.84e-287
USP10	1.33e-291	3.03e-01	0.692	0.562	5.41e-287
NAE1	2.09e-291	2.77e-01	0.648	0.504	8.53e-287
CDC37	2.18e-291	2.55e-01	0.549	0.401	8.87e-287
METAP1	2.31e-291	2.57e-01	0.459	0.314	9.42e-287
SPIN3	2.44e-291	2.76e-01	0.63	0.483	9.95e-287
MED24	3.37e-291	2.61e-01	0.464	0.32	1.37e-286
VPS35L	3.97e-291	3.18e-01	0.781	0.683	1.62e-286
BAZ2A	6.02e-291	2.95e-01	0.597	0.461	2.45e-286
AP1S3	8.74e-291	2.64e-01	0.49	0.339	3.56e-286
PDK3	2.01e-290	3.04e-01	0.63	0.484	8.18e-286
PREX2	2.50e-290	-5.79e-01	0.245	0.39	1.02e-285
SETDB2	2.60e-290	2.58e-01	0.574	0.42	1.06e-285
SLC25A36	7.23e-290	2.58e-01	0.822	0.71	2.95e-285
STRIP2	8.13e-290	-7.51e-01	0.273	0.396	3.31e-285
DHX30	1.16e-289	2.76e-01	0.688	0.555	4.73e-285
GLCCI1	1.16e-289	2.88e-01	0.832	0.715	4.74e-285
RAB2A	1.40e-289	2.95e-01	0.886	0.814	5.69e-285
APBB1	1.44e-289	2.63e-01	0.687	0.547	5.89e-285
RC3H2	2.16e-289	3.04e-01	0.698	0.569	8.79e-285
NDUFB6	2.27e-289	2.68e-01	0.52	0.374	9.23e-285
CEP68	3.05e-289	2.90e-01	0.604	0.462	1.24e-284
RHOBTB1	3.57e-289	2.61e-01	0.371	0.229	1.46e-284



BCCIP	7.56e-289	2.79e-01	0.51	0.369	3.08e-284
UBTF	8.64e-289	2.60e-01	0.374	0.24	3.52e-284
KIAA0586	8.98e-289	2.96e-01	0.737	0.606	3.66e-284
PXN	9.33e-289	3.19e-01	0.306	0.185	3.80e-284
ZNF25	2.42e-288	2.63e-01	0.692	0.549	9.85e-284
ABHD17C	3.31e-288	2.70e-01	0.468	0.322	1.35e-283
UBE2Z	8.21e-288	2.81e-01	0.561	0.421	3.34e-283
ANKIB1	8.76e-288	2.69e-01	0.943	0.89	3.57e-283
CRELD1	1.02e-287	2.85e-01	0.558	0.417	4.15e-283
MMS19	1.65e-287	2.94e-01	0.594	0.455	6.74e-283
SPATA6L	1.88e-287	3.16e-01	0.644	0.5	7.66e-283
UHMK1	3.74e-287	2.55e-01	0.571	0.424	1.52e-282
NUFIP2	9.36e-287	3.30e-01	0.719	0.605	3.82e-282
P3H2	9.42e-287	3.28e-01	0.565	0.411	3.84e-282
WDR43	1.01e-286	2.69e-01	0.633	0.487	4.13e-282
CTCF	1.38e-286	3.05e-01	0.553	0.415	5.64e-282
NR2C1	1.99e-286	2.81e-01	0.702	0.57	8.12e-282
ZDHHC3	4.34e-286	2.61e-01	0.419	0.28	1.77e-281
SLC7A14	6.52e-286	3.36e-01	0.653	0.509	2.66e-281
PDE3A	6.56e-286	-7.45e-01	0.12	0.25	2.67e-281
DCUN1D5	7.23e-286	2.68e-01	0.635	0.489	2.95e-281
NEK4	1.59e-285	2.71e-01	0.603	0.461	6.48e-281
GABRA4	1.66e-285	2.61e-01	0.802	0.646	6.75e-281
ZNF862	1.84e-285	2.72e-01	0.603	0.462	7.50e-281
MALT1	2.01e-285	3.10e-01	0.644	0.501	8.19e-281
AFTPH	2.99e-285	2.91e-01	0.74	0.615	1.22e-280

DNM2	3.83e-285	3.22e-01	0.669	0.542	1.56e-280
LINC02197	9.24e-285	2.89e-01	0.218	0.11	3.77e-280
ATP2A2	2.08e-284	2.71e-01	0.856	0.759	8.47e-280
AP3S2	2.13e-284	2.75e-01	0.567	0.418	8.67e-280
WDR5	2.43e-284	2.58e-01	0.479	0.336	9.89e-280
NUS1	2.81e-284	2.96e-01	0.595	0.456	1.14e-279
DYNC1LI2	1.10e-283	2.88e-01	0.716	0.597	4.48e-279
MTG2	1.12e-283	2.87e-01	0.575	0.435	4.56e-279
RAC1	1.69e-283	2.62e-01	0.68	0.543	6.89e-279
OPRM1	1.89e-283	2.77e-01	0.635	0.46	7.69e-279
FTCDNL1	1.99e-283	2.58e-01	0.623	0.463	8.10e-279
PTDSS1	2.20e-283	2.59e-01	0.597	0.447	8.95e-279
DNAJC11	2.47e-283	2.95e-01	0.583	0.443	1.00e-278
MED21	3.24e-283	2.59e-01	0.534	0.386	1.32e-278
ZNHIT6	7.82e-283	2.65e-01	0.637	0.489	3.18e-278
PDE4A	1.76e-282	3.44e-01	0.661	0.524	7.16e-278
TTBK2	2.08e-282	2.80e-01	0.861	0.77	8.48e-278
STAM	3.91e-282	2.81e-01	0.609	0.468	1.59e-277
ANGEL1	4.20e-282	2.84e-01	0.527	0.386	1.71e-277
CERS5	7.30e-282	3.16e-01	0.79	0.678	2.98e-277
SMAD9	8.43e-282	3.73e-01	0.395	0.262	3.44e-277
ST20	1.06e-281	2.55e-01	0.407	0.267	4.30e-277
AGPAT3	1.46e-281	3.16e-01	0.642	0.516	5.95e-277
GULP1	1.90e-281	6.30e-01	0.542	0.406	7.74e-277
DDX58	2.55e-281	2.98e-01	0.425	0.289	1.04e-276
METAP2	3.14e-281	2.70e-01	0.65	0.513	1.28e-276

QDPR	3.32e-281	2.66e-01	0.615	0.471	1.35e-276
ZNF780B	3.71e-281	3.36e-01	0.776	0.678	1.51e-276
TSC2	5.93e-281	2.87e-01	0.533	0.396	2.41e-276
FBXO38	6.43e-281	2.72e-01	0.612	0.469	2.62e-276
NAA50	9.02e-281	2.88e-01	0.66	0.522	3.68e-276
LCORL	9.99e-281	2.52e-01	0.762	0.631	4.07e-276
NSUN2	1.23e-280	3.14e-01	0.511	0.376	5.00e-276
CHRM3-AS2	2.20e-280	3.17e-01	0.337	0.202	8.97e-276
GPR180	2.70e-280	2.66e-01	0.578	0.431	1.10e-275
TTY10	3.00e-280	2.88e-01	0.707	0.563	1.22e-275
DNAJC13	3.96e-280	2.86e-01	0.691	0.56	1.61e-275
RAB11A	7.65e-280	3.37e-01	0.773	0.667	3.12e-275
PEX13	9.01e-280	2.54e-01	0.453	0.311	3.67e-275
BCAS1	1.65e-279	-8.68e-01	0.024	0.115	6.73e-275
ZC3H13	1.72e-279	2.86e-01	0.832	0.738	6.99e-275
AP1G1	2.92e-279	2.80e-01	0.738	0.617	1.19e-274
ACO2	3.40e-279	3.11e-01	0.649	0.523	1.39e-274
API5	3.41e-279	2.68e-01	0.6	0.46	1.39e-274
IFT74	4.05e-279	2.78e-01	0.558	0.413	1.65e-274
STAMBPL1	8.59e-279	2.82e-01	0.673	0.525	3.50e-274
NIPA1	1.05e-278	2.80e-01	0.596	0.45	4.29e-274
HEATR1	1.28e-278	2.65e-01	0.555	0.411	5.20e-274
TP53BP1	1.81e-278	2.70e-01	0.822	0.708	7.39e-274
ITSN2	2.36e-278	2.81e-01	0.842	0.751	9.62e-274
YIPF4	2.90e-278	2.88e-01	0.716	0.599	1.18e-273
FGF2	9.36e-278	-2.61e-01	0.034	0.132	3.82e-273

DCUN1D1	1.82e-277	2.77e-01	0.64	0.501	7.42e-273
GFOD2	2.68e-277	2.63e-01	0.476	0.334	1.09e-272
CUL3	4.35e-277	3.09e-01	0.847	0.768	1.77e-272
ZNF56	4.78e-277	2.85e-01	0.605	0.457	1.95e-272
RHBDD3	5.63e-277	2.51e-01	0.443	0.305	2.30e-272
PIN4	5.98e-277	2.57e-01	0.459	0.317	2.44e-272
MLXIP	1.41e-276	3.07e-01	0.571	0.438	5.74e-272
CRK	2.54e-276	3.14e-01	0.567	0.434	1.03e-271
VAPA	3.03e-276	2.59e-01	0.84	0.742	1.23e-271
GOLPH3	3.06e-276	2.80e-01	0.642	0.508	1.25e-271
ZNF568	3.08e-276	2.68e-01	0.579	0.434	1.25e-271
UBA5	3.61e-276	2.68e-01	0.583	0.441	1.47e-271
NRIP3	3.97e-276	-4.38e-01	0.299	0.429	1.62e-271
HAVCR2	5.24e-276	2.65e-01	0.37	0.236	2.14e-271
BRAP	6.02e-276	2.62e-01	0.518	0.376	2.45e-271
ESCO1	6.29e-276	2.84e-01	0.684	0.554	2.56e-271
FBXW8	7.97e-276	3.02e-01	0.667	0.533	3.25e-271
COG7	9.41e-276	2.79e-01	0.662	0.529	3.83e-271
AP4S1	1.45e-275	2.88e-01	0.662	0.527	5.92e-271
PPP2R2D	1.90e-275	2.96e-01	0.633	0.499	7.75e-271
PDE8B	2.02e-275	4.07e-01	0.866	0.733	8.24e-271
SLC35F4	2.57e-275	-5.09e-01	0.372	0.517	1.05e-270
ACVR2B	2.60e-275	2.57e-01	0.457	0.316	1.06e-270
SLC36A4	3.10e-275	2.89e-01	0.787	0.675	1.26e-270
UBE2G1	7.75e-275	3.04e-01	0.695	0.566	3.16e-270
RALA	1.58e-274	2.75e-01	0.687	0.541	6.44e-270

RPAIN	2.00e-274	2.65e-01	0.589	0.45	8.14e-270
MZT2A	2.64e-274	2.65e-01	0.493	0.353	1.08e-269
KANSL3	2.73e-274	2.54e-01	0.623	0.48	1.11e-269
KIRREL1	3.53e-274	-3.30e-01	0.178	0.317	1.44e-269
CNOT6L	3.81e-274	2.73e-01	0.772	0.648	1.55e-269
FCHSD2	5.21e-274	-3.30e-01	0.741	0.873	2.12e-269
FRMD6	5.32e-274	3.29e-01	0.394	0.253	2.17e-269
SEC23IP	6.19e-274	2.78e-01	0.575	0.437	2.52e-269
SYNGR1	7.33e-274	2.73e-01	0.63	0.491	2.98e-269
NUP133	1.06e-273	2.79e-01	0.684	0.558	4.33e-269
DHDDS	1.08e-273	2.52e-01	0.497	0.352	4.40e-269
RNF10	1.80e-273	2.73e-01	0.688	0.56	7.32e-269
ADAMTS10	4.36e-273	2.73e-01	0.534	0.388	1.77e-268
MAIP1	4.54e-273	2.57e-01	0.436	0.296	1.85e-268
TMEM94	5.56e-273	2.74e-01	0.489	0.352	2.26e-268
ANKRD18DP	6.98e-273	2.51e-01	0.211	0.107	2.85e-268
SACM1L	7.66e-273	2.59e-01	0.655	0.516	3.12e-268
EIF4E	2.09e-272	2.69e-01	0.673	0.543	8.52e-268
EFCAB7	3.31e-272	2.59e-01	0.675	0.536	1.35e-267
L3MBTL1	6.01e-272	2.90e-01	0.535	0.397	2.45e-267
ARHGAP42	9.85e-272	-4.51e-01	0.043	0.143	4.01e-267
SUCLA2	9.85e-272	2.98e-01	0.717	0.592	4.02e-267
FRMD5	9.94e-272	-8.14e-01	0.748	0.806	4.05e-267
PPWD1	1.06e-271	3.03e-01	0.649	0.524	4.34e-267
SREK1	1.08e-271	2.79e-01	0.799	0.698	4.39e-267
SLC26A8	3.31e-271	2.64e-01	0.472	0.326	1.35e-266

ACIN1	7.11e-271	2.86e-01	0.708	0.59	2.90e-266
LINC02062	1.11e-270	3.29e-01	0.705	0.583	4.51e-266
ANKRD44	1.13e-270	-5.21e-01	0.656	0.738	4.59e-266
MIR9-3HG	1.32e-270	2.81e-01	0.535	0.391	5.36e-266
ANKH	1.68e-270	2.67e-01	0.897	0.811	6.86e-266
PCDH11Y	2.34e-270	-5.17e-01	0.308	0.45	9.52e-266
SMAD1	2.79e-270	2.53e-01	0.656	0.504	1.14e-265
TSG101	3.11e-270	2.83e-01	0.629	0.496	1.27e-265
TPCN2	6.83e-270	2.50e-01	0.377	0.243	2.78e-265
EPHB1	7.01e-270	-7.35e-01	0.511	0.599	2.86e-265
FRS2	9.28e-270	2.88e-01	0.818	0.717	3.78e-265
PPP2CB	1.33e-269	2.60e-01	0.71	0.58	5.40e-265
STK38L	1.70e-269	2.55e-01	0.625	0.479	6.91e-265
CCDC14	1.94e-269	2.91e-01	0.783	0.671	7.90e-265
RIC1	2.38e-269	2.68e-01	0.782	0.663	9.69e-265
FARSB	2.42e-269	2.66e-01	0.741	0.609	9.84e-265
ACVR1B	3.12e-269	2.64e-01	0.583	0.439	1.27e-264
CREBBP	5.09e-269	3.23e-01	0.849	0.779	2.07e-264
ABHD8	6.99e-269	2.66e-01	0.498	0.359	2.85e-264
MAML1	1.34e-268	2.78e-01	0.511	0.376	5.48e-264
ETNK1	1.89e-268	2.64e-01	0.852	0.764	7.71e-264
ABHD5	3.35e-268	2.57e-01	0.498	0.355	1.36e-263
KLHDC8A	3.40e-268	2.66e-01	0.355	0.223	1.39e-263
WRNIP1	4.41e-268	2.63e-01	0.544	0.405	1.80e-263
DHX29	4.75e-268	2.85e-01	0.711	0.584	1.94e-263
TMEM161B	6.05e-268	2.80e-01	0.681	0.551	2.46e-263

BAIAP2L2	6.34e-268	3.38e-01	0.559	0.422	2.58e-263
TMEM74B	7.96e-268	2.56e-01	0.404	0.271	3.25e-263
DCP1B	8.98e-268	2.74e-01	0.566	0.425	3.66e-263
ZNF155	1.61e-267	2.71e-01	0.479	0.339	6.58e-263
PARVA	1.82e-267	3.52e-01	0.513	0.376	7.41e-263
CCDC130	2.08e-267	2.64e-01	0.499	0.363	8.46e-263
ADD1	2.17e-267	2.94e-01	0.828	0.74	8.82e-263
NUCKS1	2.48e-267	2.73e-01	0.864	0.794	1.01e-262
SMOC1	2.63e-267	-5.79e-01	0.039	0.135	1.07e-262
TYW3	3.42e-267	2.53e-01	0.461	0.319	1.39e-262
EGFEM1P	3.99e-267	-1.26e+00	0.278	0.404	1.63e-262
ASCC2	4.90e-267	2.61e-01	0.431	0.296	1.99e-262
CHRD1	1.20e-266	-2.80e-01	0.037	0.133	4.88e-262
CRACD	6.73e-266	-8.42e-01	0.364	0.478	2.74e-261
THOC7	8.03e-266	2.51e-01	0.539	0.396	3.27e-261
SMURF1	1.13e-265	2.82e-01	0.808	0.7	4.59e-261
HSPB11	1.16e-265	2.63e-01	0.498	0.357	4.71e-261
MRPS27	1.67e-265	2.80e-01	0.616	0.476	6.82e-261
CASTOR3	4.24e-265	3.46e-01	0.772	0.685	1.73e-260
HDAC3	4.98e-265	2.74e-01	0.617	0.481	2.03e-260
CCAR1	5.82e-265	2.99e-01	0.761	0.655	2.37e-260
DDX1	5.96e-265	2.58e-01	0.687	0.553	2.43e-260
NXPH1	7.30e-265	-1.74e+00	0.234	0.348	2.97e-260
CCDC125	1.05e-264	2.53e-01	0.467	0.324	4.28e-260
BDH1	1.27e-264	2.87e-01	0.699	0.569	5.18e-260
CENPC	1.27e-264	2.84e-01	0.781	0.667	5.18e-260

C6orf89	3.00e-264	2.92e-01	0.652	0.526	1.22e-259
ZC3H8	3.20e-264	2.92e-01	0.68	0.551	1.30e-259
RPS6KB1	5.51e-264	2.60e-01	0.591	0.453	2.25e-259
SOGA1	8.20e-264	3.17e-01	0.666	0.548	3.34e-259
MTDH	1.34e-263	2.78e-01	0.875	0.805	5.47e-259
CAVIN2-AS1	3.04e-263	3.34e-01	0.368	0.239	1.24e-258
RBX1	4.24e-263	2.56e-01	0.654	0.522	1.73e-258
UBE3B	4.41e-263	2.57e-01	0.516	0.378	1.80e-258
CCDC149	6.97e-263	2.65e-01	0.615	0.472	2.84e-258
FKBP3	1.32e-262	2.58e-01	0.637	0.5	5.40e-258
CGREF1	1.40e-262	2.52e-01	0.472	0.334	5.70e-258
ATAD5	1.40e-262	2.55e-01	0.511	0.37	5.70e-258
ATP1A1	1.64e-262	2.84e-01	0.77	0.65	6.68e-258
AGK	2.60e-262	2.89e-01	0.636	0.5	1.06e-257
USP47	3.56e-262	3.15e-01	0.897	0.844	1.45e-257
NCOA2	3.82e-262	2.97e-01	0.926	0.865	1.56e-257
CDK17	3.92e-262	2.76e-01	0.882	0.784	1.60e-257
SLC43A2	4.07e-262	2.77e-01	0.477	0.339	1.66e-257
TMEM192	8.63e-262	3.02e-01	0.542	0.406	3.52e-257
LRP3	9.20e-262	2.51e-01	0.49	0.353	3.75e-257
VPS54	1.20e-261	3.04e-01	0.822	0.726	4.88e-257
NCAPD3	1.65e-261	2.71e-01	0.477	0.338	6.73e-257
SLC20A2	1.93e-261	3.15e-01	0.811	0.721	7.86e-257
SREK1IP1	2.07e-261	2.57e-01	0.559	0.416	8.43e-257
SUMF2	3.13e-261	2.57e-01	0.559	0.42	1.28e-256
VPS37A	4.15e-261	2.61e-01	0.58	0.442	1.69e-256



FBXO21	5.67e-261	3.10e-01	0.738	0.626	2.31e-256
FARP2	1.26e-260	3.32e-01	0.666	0.547	5.15e-256
ARL13B	1.41e-260	2.63e-01	0.692	0.55	5.74e-256
XPNPEP3	2.76e-260	2.73e-01	0.571	0.435	1.13e-255
RSRC1	3.25e-260	2.65e-01	0.79	0.674	1.32e-255
PCDH10	4.37e-260	-4.27e-01	0.523	0.635	1.78e-255
SETX	4.64e-260	2.92e-01	0.816	0.722	1.89e-255
SNRPN	5.40e-260	2.79e-01	0.894	0.8	2.20e-255
ZFAND4	5.77e-260	-2.57e-01	0.18	0.315	2.35e-255
JCAD	8.42e-260	3.28e-01	0.394	0.261	3.43e-255
MORN4	9.91e-260	2.60e-01	0.55	0.41	4.04e-255
POU2F1	2.61e-259	2.60e-01	0.929	0.88	1.06e-254
EP300	2.87e-259	2.95e-01	0.822	0.733	1.17e-254
DDX42	3.76e-259	2.54e-01	0.587	0.45	1.53e-254
SLC35F5	5.38e-259	2.85e-01	0.742	0.631	2.19e-254
LETMD1	8.81e-259	2.61e-01	0.5	0.365	3.59e-254
PMM2	8.81e-259	2.69e-01	0.517	0.379	3.59e-254
TULP4	1.02e-258	2.63e-01	0.862	0.767	4.16e-254
VAC14	1.31e-258	2.70e-01	0.406	0.277	5.35e-254
AP5M1	1.40e-258	2.57e-01	0.58	0.44	5.70e-254
VCP	1.48e-258	2.64e-01	0.578	0.444	6.05e-254
PLPP4	2.70e-258	-4.35e-01	0.045	0.142	1.10e-253
ELMOD3	3.82e-258	2.57e-01	0.508	0.372	1.56e-253
C12orf45	4.01e-258	2.64e-01	0.573	0.433	1.63e-253
GOLPH3L	8.90e-258	2.51e-01	0.427	0.292	3.63e-253
SPG11	8.96e-258	2.80e-01	0.77	0.663	3.65e-253

PUDP	1.63e-257	3.03e-01	0.519	0.379	6.65e-253
ACSS3	1.73e-257	2.89e-01	0.285	0.166	7.04e-253
TENT5A	2.06e-257	-4.84e-01	0.057	0.16	8.38e-253
FAM162A	9.96e-257	2.71e-01	0.591	0.453	4.06e-252
AGO1	1.08e-256	2.71e-01	0.638	0.508	4.39e-252
SARM1	1.79e-256	2.85e-01	0.63	0.502	7.29e-252
RNF34	2.06e-256	2.63e-01	0.618	0.483	8.40e-252
RNF13	2.63e-256	2.55e-01	0.853	0.77	1.07e-251
RFX7	3.55e-256	2.63e-01	0.914	0.849	1.45e-251
TPK1	4.27e-256	2.96e-01	0.713	0.578	1.74e-251
TEFM	5.73e-256	2.55e-01	0.518	0.384	2.34e-251
SPTLC1	8.92e-256	2.69e-01	0.614	0.483	3.63e-251
SLC37A3	1.01e-255	2.65e-01	0.572	0.435	4.09e-251
AZIN1	1.03e-255	2.58e-01	0.616	0.48	4.21e-251
ST8SIA4	1.40e-255	-6.32e-01	0.202	0.325	5.68e-251
RNF114	1.91e-255	2.52e-01	0.508	0.374	7.77e-251
PCBP1-AS1	1.95e-255	2.95e-01	0.756	0.624	7.93e-251
SPDYE2	2.23e-255	3.75e-01	0.353	0.238	9.09e-251
INTS8	2.85e-255	2.80e-01	0.68	0.551	1.16e-250
CHST12	3.28e-255	2.53e-01	0.394	0.266	1.34e-250
GCC2	3.74e-255	2.56e-01	0.788	0.679	1.53e-250
RERG	3.99e-255	-5.53e-01	0.458	0.576	1.63e-250
GTF2H1	8.18e-255	2.66e-01	0.64	0.508	3.33e-250
RNF169	8.38e-255	2.91e-01	0.696	0.579	3.41e-250
CSNK1G3	1.13e-254	2.65e-01	0.799	0.684	4.61e-250
HCG17	1.20e-254	3.06e-01	0.767	0.663	4.90e-250

ZMAT1	1.27e-254	2.66e-01	0.721	0.597	5.19e-250
DDX46	1.53e-254	2.80e-01	0.728	0.619	6.25e-250
RNF157	1.65e-254	3.19e-01	0.691	0.568	6.71e-250
PCYT1A	2.24e-254	2.67e-01	0.439	0.308	9.13e-250
TAF4	3.09e-254	2.80e-01	0.47	0.34	1.26e-249
CD46	4.06e-254	2.51e-01	0.785	0.674	1.66e-249
RSBN1L	5.60e-254	2.76e-01	0.787	0.686	2.28e-249
PPIL4	6.16e-254	2.55e-01	0.646	0.513	2.51e-249
DENND5B	1.50e-253	2.66e-01	0.929	0.862	6.13e-249
TERF2IP	2.43e-253	2.64e-01	0.827	0.727	9.90e-249
GSTA4	4.32e-253	2.59e-01	0.8	0.685	1.76e-248
GDAP2	1.07e-252	2.63e-01	0.607	0.472	4.36e-248
VPS13B-DT	1.26e-252	2.60e-01	0.489	0.351	5.12e-248
EMID1	1.48e-252	-2.57e-01	0.059	0.16	6.04e-248
TERF1	1.59e-252	2.64e-01	0.698	0.574	6.46e-248
WDR20	2.29e-252	2.84e-01	0.705	0.587	9.34e-248
RPRD1B	3.18e-252	2.63e-01	0.576	0.443	1.29e-247
MAPKAPK5	3.46e-252	2.59e-01	0.56	0.427	1.41e-247
NDUFA5	3.96e-252	2.58e-01	0.631	0.493	1.61e-247
SSR1	5.22e-252	2.73e-01	0.683	0.562	2.13e-247
TRAPPC8	7.76e-252	2.68e-01	0.763	0.652	3.16e-247
HGSNAT	1.36e-251	2.75e-01	0.828	0.727	5.52e-247
C2orf88	1.36e-251	2.75e-01	0.511	0.376	5.56e-247
AAGAB	2.79e-251	2.61e-01	0.63	0.492	1.14e-246
ZFHX4-AS1	4.42e-251	-2.63e-01	0.022	0.106	1.80e-246
UBE2E1	4.77e-251	2.86e-01	0.659	0.53	1.94e-246

WDR19	4.92e-251	2.54e-01	0.751	0.618	2.01e-246
FANCM	5.73e-251	2.66e-01	0.457	0.321	2.33e-246
TGFBR3	5.94e-251	3.28e-01	0.288	0.174	2.42e-246
USP36	1.22e-250	2.76e-01	0.526	0.396	4.98e-246
ZNF654	1.56e-250	2.72e-01	0.741	0.625	6.37e-246
UGGT1	2.06e-250	2.74e-01	0.641	0.512	8.40e-246
ZC3H15	3.30e-250	2.56e-01	0.665	0.537	1.34e-245
TDG	7.21e-250	2.63e-01	0.571	0.438	2.94e-245
SH3GLB1	8.42e-250	2.54e-01	0.716	0.594	3.43e-245
MAPK1IP1L	1.05e-249	2.51e-01	0.604	0.469	4.27e-245
LINC00907	2.00e-249	2.51e-01	0.378	0.244	8.14e-245
KDM3B	2.03e-249	2.76e-01	0.712	0.592	8.28e-245
DIS3L2	3.76e-249	2.97e-01	0.844	0.764	1.53e-244
PHACTR4	3.94e-249	3.03e-01	0.821	0.74	1.61e-244
PSMF1	5.16e-249	2.60e-01	0.61	0.479	2.10e-244
PAWR	1.38e-248	-2.81e-01	0.037	0.128	5.63e-244
PIGN	1.44e-248	2.68e-01	0.729	0.601	5.89e-244
SIRT2	1.55e-248	2.58e-01	0.553	0.423	6.30e-244
PAN3	2.82e-248	2.65e-01	0.901	0.845	1.15e-243
ZKSCAN1	3.94e-248	2.85e-01	0.804	0.712	1.60e-243
SEZ6	5.27e-248	2.79e-01	0.588	0.447	2.15e-243
XRN1	5.34e-248	2.87e-01	0.871	0.801	2.18e-243
WDR25	6.75e-248	2.69e-01	0.471	0.337	2.75e-243
USP42	8.51e-248	2.60e-01	0.582	0.449	3.47e-243
NSL1	9.43e-248	2.82e-01	0.707	0.587	3.84e-243
LSM14A	1.31e-247	2.86e-01	0.828	0.746	5.33e-243

CCDC50	1.71e-247	-3.75e-01	0.307	0.437	6.96e-243
BCLAF3	1.73e-247	2.81e-01	0.619	0.494	7.04e-243
DTWD2	1.86e-247	2.62e-01	0.701	0.564	7.57e-243
CRTC3	3.39e-247	3.20e-01	0.813	0.721	1.38e-242
KIAA0895	3.52e-247	2.55e-01	0.541	0.404	1.44e-242
ZNF133	3.63e-247	2.60e-01	0.677	0.547	1.48e-242
CFDP1	6.36e-247	2.80e-01	0.693	0.57	2.59e-242
STX18	8.91e-247	2.86e-01	0.71	0.59	3.63e-242
SHISA6	1.33e-246	-7.07e-01	0.469	0.572	5.41e-242
ZNF573	1.45e-246	2.85e-01	0.575	0.446	5.91e-242
UPF2	9.35e-246	2.68e-01	0.684	0.566	3.81e-241
KLHL18	1.02e-245	2.60e-01	0.537	0.402	4.17e-241
LAMA4	1.42e-245	-4.30e-01	0.047	0.14	5.80e-241
IREB2	1.48e-245	2.76e-01	0.726	0.616	6.03e-241
WSCD2	1.56e-245	2.76e-01	0.623	0.477	6.35e-241
BBIP1	4.91e-245	2.63e-01	0.619	0.486	2.00e-240
EWSR1	6.16e-245	2.82e-01	0.717	0.608	2.51e-240
DLG3	6.78e-245	2.53e-01	0.547	0.409	2.76e-240
JMY	6.97e-245	2.55e-01	0.708	0.583	2.84e-240
LINC02853	8.34e-245	3.26e-01	0.281	0.166	3.40e-240
MRPS35	1.29e-244	2.53e-01	0.527	0.39	5.24e-240
LYPD6B	2.21e-244	-5.29e-01	0.073	0.178	8.99e-240
C1orf52	4.13e-244	2.74e-01	0.56	0.434	1.68e-239
RBL2	5.14e-244	2.62e-01	0.726	0.608	2.10e-239
ZBTB20	8.87e-244	-6.45e-01	0.753	0.817	3.61e-239
PCNT	1.26e-243	2.76e-01	0.606	0.477	5.13e-239

SGCE	1.41e-243	2.75e-01	0.83	0.73	5.73e-239
FAM118B	1.44e-243	2.52e-01	0.454	0.323	5.87e-239
LRIG2	6.26e-243	2.55e-01	0.604	0.473	2.55e-238
BICRAL	7.79e-243	2.76e-01	0.86	0.783	3.18e-238
APOOL	1.05e-242	2.55e-01	0.552	0.417	4.28e-238
NCOA6	2.38e-242	2.94e-01	0.758	0.658	9.71e-238
SERGEF	3.12e-242	2.79e-01	0.866	0.765	1.27e-237
CDYL	5.69e-242	2.95e-01	0.69	0.566	2.32e-237
FAM133B	9.62e-242	2.54e-01	0.618	0.492	3.92e-237
PTCD3	1.15e-241	2.68e-01	0.705	0.59	4.70e-237
ZNF81	1.42e-241	2.68e-01	0.491	0.359	5.80e-237
SGK3	2.15e-241	2.72e-01	0.707	0.571	8.75e-237
DAAM2	4.45e-241	-5.34e-01	0.024	0.104	1.81e-236
ZNF518A	5.72e-241	2.54e-01	0.892	0.821	2.33e-236
TMEM164	8.88e-241	2.59e-01	0.62	0.478	3.62e-236
TRIM14	1.63e-240	2.58e-01	0.422	0.293	6.63e-236
PIGF	2.12e-240	2.71e-01	0.561	0.432	8.63e-236
TRNT1	4.07e-240	2.51e-01	0.501	0.371	1.66e-235
TANGO6	4.90e-240	3.04e-01	0.721	0.609	2.00e-235
ZSCAN16-AS1	9.93e-240	2.81e-01	0.528	0.398	4.04e-235
USP7	1.03e-239	2.79e-01	0.605	0.486	4.20e-235
ABCC1	1.70e-239	2.61e-01	0.587	0.453	6.94e-235
POLR1D	2.46e-239	2.62e-01	0.538	0.405	1.00e-234
TMEM196	3.07e-239	-4.91e-01	0.337	0.464	1.25e-234
KCMF1	5.18e-239	2.64e-01	0.691	0.569	2.11e-234
USP4	2.40e-238	2.93e-01	0.628	0.512	9.77e-234

YTHDF3	2.49e-238	2.62e-01	0.685	0.563	1.01e-233
CTIF	5.75e-238	3.71e-01	0.818	0.744	2.34e-233
ANKLE2	6.18e-238	2.54e-01	0.49	0.361	2.52e-233
PPP1CB	1.01e-237	2.54e-01	0.598	0.47	4.10e-233
TRRAP	1.96e-237	2.86e-01	0.785	0.689	7.99e-233
ELOVL6	2.14e-237	2.61e-01	0.746	0.621	8.71e-233
SCRN1	5.84e-237	2.61e-01	0.701	0.576	2.38e-232
KCNAB1	9.59e-237	-9.68e-01	0.046	0.138	3.91e-232
PHYKPL	1.21e-236	2.67e-01	0.53	0.405	4.94e-232
NFYC	1.55e-236	2.77e-01	0.615	0.488	6.33e-232
ORC2	2.05e-236	2.89e-01	0.729	0.622	8.36e-232
DIDO1	3.77e-236	2.69e-01	0.684	0.568	1.54e-231
CRYBB2P1	7.00e-236	2.51e-01	0.376	0.252	2.85e-231
TLE2	1.21e-235	-3.33e-01	0.214	0.337	4.93e-231
VPS39	1.32e-235	2.53e-01	0.612	0.487	5.38e-231
GRID1	1.81e-235	2.84e-01	0.96	0.902	7.39e-231
XXYLT1	3.49e-235	2.61e-01	0.586	0.454	1.42e-230
SLC25A40	4.86e-235	2.54e-01	0.571	0.438	1.98e-230
SEMA4B	4.97e-235	2.55e-01	0.57	0.439	2.03e-230
TUBB2B	5.90e-235	-2.52e-01	0.111	0.223	2.40e-230
SAFB	6.12e-235	2.67e-01	0.604	0.483	2.49e-230
SLAIN2	9.54e-235	2.51e-01	0.696	0.574	3.89e-230
FAF2	1.06e-234	2.65e-01	0.601	0.475	4.30e-230
TFB1M	1.58e-234	2.58e-01	0.591	0.462	6.42e-230
ZNF793	1.90e-234	2.76e-01	0.543	0.418	7.74e-230
CHORDC1	2.55e-234	2.52e-01	0.643	0.516	1.04e-229

NUP214	4.43e-234	2.69e-01	0.684	0.57	1.80e-229
PCSK5	1.29e-233	-7.58e-01	0.234	0.365	5.24e-229
C10orf90	1.59e-233	-6.89e-01	0.061	0.157	6.46e-229
LARP4	6.47e-233	2.61e-01	0.677	0.558	2.64e-228
BCL7C	1.12e-232	-2.68e-01	0.204	0.333	4.57e-228
SKI	1.47e-232	3.00e-01	0.606	0.489	6.00e-228
NSG1	2.07e-232	-3.11e-01	0.228	0.351	8.45e-228
TRAPPC9	8.89e-232	3.13e-01	0.857	0.785	3.62e-227
RAP1A	1.03e-231	2.67e-01	0.773	0.668	4.18e-227
LINC02082	1.97e-231	-3.90e-01	0.098	0.207	8.04e-227
ARL6	2.40e-231	2.52e-01	0.693	0.561	9.77e-227
SLC16A2	8.89e-231	3.18e-01	0.568	0.442	3.62e-226
USP9X	1.04e-230	2.72e-01	0.815	0.727	4.25e-226
MBTD1	2.10e-230	2.75e-01	0.73	0.624	8.58e-226
ATPAF1	6.45e-230	2.82e-01	0.677	0.563	2.63e-225
UMAD1	9.64e-230	-3.64e-01	0.025	0.106	3.93e-225
RNF24	1.12e-229	2.58e-01	0.82	0.713	4.58e-225
PMS1	1.99e-229	2.58e-01	0.771	0.663	8.11e-225
SST	2.07e-229	-1.58e+00	0.062	0.156	8.42e-225
NSMAF	2.50e-229	2.62e-01	0.817	0.719	1.02e-224
EMSY	2.67e-229	2.72e-01	0.723	0.614	1.09e-224
HSD17B4	2.76e-229	2.68e-01	0.815	0.722	1.12e-224
ZNF618	2.75e-228	2.67e-01	0.595	0.461	1.12e-223
FAM149B1	4.99e-228	2.51e-01	0.528	0.398	2.03e-223
KLHL1	6.15e-228	3.54e-01	0.332	0.21	2.51e-223
FBXO36	1.92e-227	2.53e-01	0.533	0.403	7.81e-223



CERCAM	4.54e-227	-3.44e-01	0.029	0.11	1.85e-222
RAMP1	4.93e-227	2.66e-01	0.459	0.329	2.01e-222
BARD1	8.46e-227	-2.52e-01	0.032	0.116	3.45e-222
SYMPK	1.71e-226	2.63e-01	0.608	0.489	6.98e-222
SLC30A9	2.90e-226	2.58e-01	0.799	0.705	1.18e-221
DHX57	3.40e-226	2.62e-01	0.646	0.519	1.38e-221
POLK	8.94e-226	2.72e-01	0.794	0.703	3.64e-221
TESPA1	1.97e-225	-3.78e-01	0.026	0.105	8.04e-221
ZNF131	2.41e-225	2.77e-01	0.823	0.734	9.82e-221
PFDN5	5.93e-225	2.61e-01	0.521	0.397	2.41e-220
PPFIA1	1.36e-224	2.65e-01	0.752	0.651	5.52e-220
ARMH3	1.37e-224	2.71e-01	0.813	0.727	5.56e-220
ZNF611	1.74e-224	2.53e-01	0.501	0.373	7.08e-220
GABRA6	2.34e-223	2.52e-01	0.335	0.216	9.52e-219
UVSSA	4.56e-223	2.54e-01	0.539	0.415	1.86e-218
GLRA2	3.58e-222	4.43e-01	0.514	0.398	1.46e-217
APPBP2	6.28e-222	2.59e-01	0.766	0.661	2.56e-217
FAM107B	7.33e-222	-3.77e-01	0.084	0.186	2.99e-217
SEMA3C	7.34e-222	2.94e-01	0.352	0.225	2.99e-217
DLC1	9.69e-222	3.73e-01	0.669	0.569	3.95e-217
PHF21A	1.75e-221	2.83e-01	0.899	0.842	7.13e-217
MRPS25	1.84e-221	2.67e-01	0.619	0.502	7.51e-217
WAPL	1.31e-220	2.59e-01	0.672	0.563	5.35e-216
TMEM233	2.92e-220	2.56e-01	0.169	0.084	1.19e-215
MIR3936HG	1.09e-219	2.62e-01	0.727	0.596	4.42e-215
CTDSPL2	2.14e-219	2.60e-01	0.722	0.619	8.71e-215

HNRNPL	4.87e-219	2.58e-01	0.555	0.438	1.99e-214
SNX1	5.57e-219	2.61e-01	0.687	0.574	2.27e-214
BBS9	6.59e-218	2.52e-01	0.906	0.847	2.68e-213
CDS2	7.20e-218	2.55e-01	0.693	0.579	2.93e-213
RAB3IP	1.76e-217	-4.54e-01	0.25	0.362	7.17e-213
TRAF3IP2-AS1	6.26e-217	2.99e-01	0.931	0.877	2.55e-212
TIMP3	6.99e-217	2.79e-01	0.494	0.374	2.85e-212
ECE1	9.28e-217	-2.78e-01	0.191	0.313	3.78e-212
DPP8	3.65e-216	2.51e-01	0.7	0.586	1.49e-211
TNS3	3.66e-216	-4.01e-01	0.065	0.161	1.49e-211
FAAH2	4.84e-216	2.53e-01	0.617	0.483	1.97e-211
GRIN2D	1.35e-215	-2.95e-01	0.1	0.202	5.49e-211
ARL4C	1.41e-215	-4.92e-01	0.206	0.312	5.75e-211
HIPK2	1.41e-215	-4.71e-01	0.457	0.566	5.75e-211
TAC1	1.46e-215	-4.84e-01	0.082	0.184	5.97e-211
ABL1	2.12e-215	3.18e-01	0.733	0.642	8.65e-211
GPR88	5.68e-215	-3.01e-01	0.096	0.196	2.31e-210
BCL11A	5.90e-215	-5.10e-01	0.402	0.521	2.40e-210
SLC10A7	7.19e-215	2.54e-01	0.61	0.482	2.93e-210
CASTOR2	9.84e-215	2.67e-01	0.524	0.403	4.01e-210
PARD3B	1.31e-214	-5.31e-01	0.469	0.565	5.33e-210
ANKRD16	1.97e-214	2.56e-01	0.508	0.385	8.04e-210
MECP2	2.65e-214	2.68e-01	0.712	0.61	1.08e-209
ZFP14	8.01e-214	2.75e-01	0.611	0.498	3.26e-209
ATP2B2	1.58e-213	2.60e-01	0.875	0.768	6.43e-209
NCOA3	1.62e-213	2.55e-01	0.658	0.537	6.61e-209

ANKS6	1.70e-212	2.71e-01	0.5	0.378	6.94e-208
RNF168	4.66e-212	2.51e-01	0.541	0.416	1.90e-207
RAF1	6.00e-212	2.55e-01	0.727	0.628	2.44e-207
HELZ	8.39e-211	2.72e-01	0.854	0.783	3.42e-206
ZNF644	1.10e-210	2.52e-01	0.866	0.8	4.46e-206
UQCRC2	2.92e-210	2.65e-01	0.734	0.634	1.19e-205
AHRR	5.62e-210	2.69e-01	0.322	0.21	2.29e-205
ANKRD13A	8.24e-210	-3.03e-01	0.288	0.405	3.36e-205
GRM8	1.18e-209	-6.72e-01	0.418	0.518	4.80e-205
POLR2A	3.17e-209	2.52e-01	0.457	0.338	1.29e-204
LRIG1	4.60e-209	-4.32e-01	0.128	0.233	1.87e-204
EEPD1	2.87e-208	-3.75e-01	0.344	0.469	1.17e-203
ROR1	4.97e-208	-5.49e-01	0.065	0.156	2.02e-203
EIF2AK4	1.35e-207	2.59e-01	0.708	0.598	5.52e-203
ALDH3A2	2.98e-207	2.51e-01	0.541	0.417	1.21e-202
ARSB	1.05e-206	2.65e-01	0.611	0.488	4.27e-202
ZCCHC14	2.20e-206	2.68e-01	0.69	0.586	8.98e-202
CRLF3	4.88e-206	2.54e-01	0.823	0.724	1.99e-201
PCCA	5.08e-206	2.67e-01	0.893	0.842	2.07e-201
CST3	9.05e-206	-3.08e-01	0.104	0.204	3.69e-201
TUBGCP3	6.12e-205	2.66e-01	0.676	0.569	2.49e-200
ENPP2	8.12e-205	-6.13e-01	0.09	0.185	3.31e-200
LINC00486	2.45e-204	2.69e-01	0.83	0.754	1.00e-199
KAT6A	3.96e-204	2.57e-01	0.803	0.719	1.61e-199
PCSK1N	4.24e-204	-6.76e-01	0.697	0.704	1.73e-199
ADCY2	3.48e-203	-6.66e-01	0.678	0.735	1.42e-198

CTXND1	5.30e-203	-4.67e-01	0.045	0.127	2.16e-198
SOS2	6.03e-203	2.51e-01	0.822	0.743	2.46e-198
FKTN	2.88e-202	2.51e-01	0.722	0.614	1.17e-197
LINC00476	4.86e-201	2.89e-01	0.693	0.581	1.98e-196
RPL36	6.65e-201	2.62e-01	0.526	0.405	2.71e-196
TOGARAM2	8.02e-201	3.40e-01	0.462	0.349	3.27e-196
TANK	1.30e-200	2.64e-01	0.734	0.63	5.30e-196
ITFG2	2.31e-200	2.63e-01	0.477	0.364	9.40e-196
SH3BGRL	3.92e-199	3.33e-01	0.739	0.647	1.60e-194
ARHGAP18	5.99e-199	2.73e-01	0.624	0.492	2.44e-194
CHRM5	4.08e-198	-5.99e-01	0.15	0.25	1.66e-193
EFCAB2	1.37e-197	2.56e-01	0.713	0.601	5.60e-193
CFLAR	1.67e-197	3.40e-01	0.528	0.424	6.81e-193
TMEM64	3.15e-197	2.59e-01	0.592	0.465	1.28e-192
SLC25A13	3.46e-197	-3.79e-01	0.421	0.528	1.41e-192
DPY19L3	7.80e-197	2.56e-01	0.599	0.48	3.18e-192
AP1S2	1.21e-196	-4.27e-01	0.318	0.426	4.95e-192
HIF3A	1.78e-196	-4.13e-01	0.052	0.133	7.23e-192
IPO9-AS1	1.04e-194	2.56e-01	0.479	0.365	4.25e-190
RUNX2	1.47e-194	-4.56e-01	0.193	0.297	6.00e-190
TRPC4AP	2.34e-194	2.51e-01	0.755	0.665	9.53e-190
MPPED2	9.38e-194	-5.74e-01	0.469	0.567	3.82e-189
RASSF8	4.97e-192	-4.59e-01	0.381	0.498	2.02e-187
KMT5B	7.14e-192	2.68e-01	0.779	0.702	2.91e-187
MTHFD2L	8.65e-192	3.04e-01	0.631	0.528	3.52e-187
SEMA3E	2.40e-191	-7.98e-01	0.095	0.189	9.78e-187

SAP130	3.82e-191	2.57e-01	0.567	0.454	1.56e-186
LINC02645	6.60e-191	5.14e-01	0.103	0.043	2.69e-186
JAKMIP2-AS1	8.62e-191	2.62e-01	0.466	0.353	3.51e-186
CHGA	9.71e-190	-3.10e-01	0.21	0.319	3.96e-185
ATP10B	1.62e-189	-4.91e-01	0.054	0.135	6.60e-185
ANKFN1	6.39e-189	5.75e-01	0.642	0.531	2.60e-184
HLA-A	5.23e-188	-2.70e-01	0.123	0.221	2.13e-183
MERTK	1.07e-187	-3.26e-01	0.054	0.135	4.36e-183
RADX	3.46e-187	-2.66e-01	0.097	0.191	1.41e-182
GNG12-AS1	6.10e-187	-2.98e-01	0.105	0.201	2.48e-182
BTG1	1.31e-186	-2.52e-01	0.199	0.308	5.33e-182
SLCO5A1	2.17e-185	-3.99e-01	0.152	0.253	8.84e-181
LRMDA	6.18e-185	-1.32e+00	0.216	0.308	2.52e-180
PDE8A	1.25e-183	-5.13e-01	0.599	0.687	5.07e-179
STAT1	4.93e-183	3.81e-01	0.679	0.593	2.01e-178
EHMT1	8.59e-182	2.57e-01	0.729	0.639	3.50e-177
CDH7	1.69e-180	4.08e-01	0.383	0.274	6.87e-176
ZNF652	2.02e-180	2.66e-01	0.753	0.673	8.22e-176
BPTF	9.24e-179	2.68e-01	0.925	0.895	3.77e-174
PHLDB1	9.89e-179	-3.14e-01	0.228	0.332	4.03e-174
KCNS3	1.98e-178	-2.64e-01	0.033	0.104	8.09e-174
PRKD1	4.09e-178	-5.40e-01	0.498	0.586	1.67e-173
EYA1	1.14e-177	-6.01e-01	0.055	0.131	4.65e-173
CD81	5.27e-177	-2.81e-01	0.337	0.442	2.15e-172
LINC02208	2.47e-174	2.68e-01	0.127	0.061	1.00e-169
LMO4	7.06e-174	3.30e-01	0.584	0.49	2.88e-169

ABHD6	8.76e-174	2.69e-01	0.622	0.52	3.57e-169
GPR176	7.86e-173	-3.91e-01	0.399	0.495	3.20e-168
SEL1L3	8.27e-173	-3.86e-01	0.15	0.251	3.37e-168
VCAN	1.72e-171	-1.04e+00	0.113	0.2	6.99e-167
HS3ST5	1.53e-170	-5.40e-01	0.372	0.47	6.24e-166
FBN2	3.56e-170	-6.98e-01	0.076	0.159	1.45e-165
DCX	1.54e-169	-3.79e-01	0.539	0.618	6.30e-165
VAT1L	1.52e-167	-6.10e-01	0.51	0.574	6.20e-163
DPH6	5.06e-167	-3.77e-01	0.629	0.706	2.06e-162
RYR3	4.15e-166	-2.50e-01	0.797	0.605	1.69e-161
BACH2	2.60e-161	-5.69e-01	0.684	0.731	1.06e-156
XACT	6.58e-161	3.41e-01	0.388	0.28	2.68e-156
SASH1	3.13e-159	-4.84e-01	0.345	0.444	1.27e-154
RPS6KA2	7.63e-158	3.43e-01	0.918	0.872	3.11e-153
GNA14	2.83e-157	3.16e-01	0.203	0.121	1.15e-152
RPL38	3.58e-157	3.07e-01	0.454	0.356	1.46e-152
DCBLD2	1.70e-156	-3.49e-01	0.392	0.492	6.91e-152
HS3ST4	5.51e-155	-3.57e-01	0.47	0.336	2.25e-150
GNG7	1.56e-154	-5.28e-01	0.496	0.568	6.37e-150
RELN	1.64e-153	-8.39e-01	0.162	0.257	6.67e-149
WLS	1.89e-152	-4.48e-01	0.207	0.309	7.70e-148
RPH3A	9.61e-152	-6.00e-01	0.471	0.541	3.92e-147
MIR181A1HG	1.25e-151	2.76e-01	0.691	0.582	5.09e-147
UQCRB	4.47e-151	2.92e-01	0.532	0.435	1.82e-146
GRM3	3.08e-150	-5.68e-01	0.489	0.588	1.25e-145
SCN7A	3.15e-149	-3.07e-01	0.183	0.284	1.28e-144

ANLN	1.38e-148	-2.69e-01	0.045	0.111	5.61e-144
OSBPL3	8.39e-148	-7.44e-01	0.256	0.339	3.42e-143
SLC27A6	4.68e-147	-4.60e-01	0.116	0.202	1.90e-142
PLPP3	1.09e-146	-2.80e-01	0.077	0.151	4.45e-142
CACNB4	1.62e-146	-6.14e-01	0.577	0.623	6.61e-142
ST18	1.14e-145	-1.50e+00	0.063	0.133	4.63e-141
PTPRM	1.56e-145	-8.58e-01	0.85	0.812	6.38e-141
GRIA4	1.22e-144	-3.45e-01	0.938	0.775	4.98e-140
ARHGAP31	6.09e-144	-2.68e-01	0.058	0.128	2.48e-139
KANK1	1.33e-143	-5.92e-01	0.158	0.24	5.43e-139
SRP14	2.11e-143	-3.15e-01	0.382	0.47	8.61e-139
MRAP2	1.22e-141	-3.49e-01	0.353	0.443	4.96e-137
MAPK10-AS1	6.63e-141	2.59e-01	0.447	0.351	2.70e-136
LAMA3	2.99e-139	3.74e-01	0.288	0.2	1.22e-134
RPS21	6.43e-139	2.79e-01	0.462	0.367	2.62e-134
LINC00623	3.72e-137	-3.61e-01	0.165	0.252	1.51e-132
CDH11	1.02e-135	-5.66e-01	0.495	0.576	4.16e-131
GRIK1	4.75e-134	-2.32e+00	0.334	0.382	1.94e-129
SRGAP1	1.24e-133	-3.73e-01	0.555	0.639	5.04e-129
MSI2	1.37e-132	-6.54e-01	0.622	0.672	5.57e-128
PLP1	4.56e-129	-1.27e+00	0.155	0.234	1.86e-124
L3MBTL4	1.65e-127	-3.23e-01	0.587	0.676	6.74e-123
PLSCR4	2.51e-127	-3.14e-01	0.069	0.136	1.02e-122
LGR5	4.05e-127	2.97e-01	0.154	0.09	1.65e-122
CHST9	1.45e-123	-2.72e-01	0.342	0.234	5.90e-119
LINC02133	7.63e-119	-2.57e-01	0.066	0.129	3.11e-114

SNCAIP	1.25e-118	-2.97e-01	0.311	0.405	5.10e-114
PER3	1.32e-118	-2.69e-01	0.561	0.629	5.37e-114
TLE4	1.62e-118	-8.18e-01	0.444	0.508	6.61e-114
PELI2	1.56e-117	-3.66e-01	0.25	0.338	6.36e-113
MANBA	2.76e-117	-2.68e-01	0.39	0.476	1.12e-112
DLG2-AS2	5.73e-117	2.65e-01	0.467	0.377	2.33e-112
SLC22A17	6.77e-115	-3.75e-01	0.741	0.743	2.76e-110
LINC00624	5.36e-114	4.29e-01	0.164	0.103	2.18e-109
GRIK4	1.36e-113	3.89e-01	0.628	0.567	5.55e-109
LINC00299	1.42e-113	-4.41e-01	0.067	0.128	5.77e-109
GRIP1	1.82e-113	-9.28e-01	0.91	0.845	7.43e-109
LRCH1	6.59e-112	-3.05e-01	0.607	0.677	2.69e-107
KCNC2	1.00e-110	-4.87e-01	0.813	0.594	4.09e-106
VRK2	1.34e-110	-3.16e-01	0.062	0.121	5.46e-106
BACH1	2.68e-110	-4.81e-01	0.358	0.424	1.09e-105
MARCKS	1.50e-109	-2.90e-01	0.435	0.504	6.13e-105
TMEM131L	3.17e-109	-2.90e-01	0.4	0.486	1.29e-104
MT-CO3	3.38e-109	-2.96e-01	0.921	0.828	1.38e-104
ARHGEF26	1.33e-108	-3.02e-01	0.198	0.275	5.43e-104
RCN2	1.25e-106	-2.65e-01	0.627	0.676	5.08e-102
GNAS	1.09e-104	-2.99e-01	0.886	0.766	4.44e-100
MYO1E	1.50e-104	-2.92e-01	0.071	0.131	6.09e-100
HSPA8	3.52e-104	-2.58e-01	0.262	0.339	1.43e-99
ASTN2	9.80e-104	-6.58e-01	0.766	0.784	3.99e-99
RND3	4.52e-103	4.23e-01	0.217	0.149	1.84e-98
NDN	2.03e-102	-2.58e-01	0.25	0.325	8.29e-98



CTNNA3	8.11e-102	-9.56e-01	0.617	0.657	3.30e-97
FSTL5	1.03e-101	-1.06e+00	0.543	0.567	4.20e-97
PCOLCE2	3.30e-101	-2.68e-01	0.051	0.105	1.34e-96
EFNA5	5.10e-101	-7.07e-01	0.676	0.706	2.08e-96
KCNH8	1.38e-100	-5.90e-01	0.103	0.166	5.64e-96
USP54	1.50e-99	-3.72e-01	0.529	0.582	6.13e-95
RNF220	4.18e-99	-1.39e+00	0.246	0.311	1.70e-94
PIP5K1B	2.12e-98	-6.48e-01	0.481	0.512	8.64e-94
MT-CYB	3.67e-97	-3.31e-01	0.88	0.764	1.50e-92
SDK2	2.65e-93	-3.45e-01	0.334	0.416	1.08e-88
ZBTB7C	5.18e-92	-3.45e-01	0.212	0.288	2.11e-87
RGS12	1.81e-91	-7.52e-01	0.501	0.567	7.36e-87
ETV6	6.36e-91	-3.85e-01	0.375	0.44	2.59e-86
SNTG2	2.15e-90	-5.75e-01	0.158	0.226	8.77e-86
CHST11	2.52e-89	-4.49e-01	0.625	0.681	1.03e-84
PTN	6.66e-89	-4.79e-01	0.185	0.25	2.71e-84
MEIS2	1.30e-87	-6.67e-01	0.585	0.587	5.28e-83
CALB1	2.59e-87	-2.86e-01	0.119	0.18	1.05e-82
MT-CO2	1.03e-86	-3.90e-01	0.917	0.823	4.19e-82
NAP1L3	8.23e-86	-3.39e-01	0.373	0.43	3.35e-81
MIR4300HG	9.39e-86	4.19e-01	0.189	0.13	3.83e-81
LINC01619	1.09e-85	-2.54e-01	0.156	0.221	4.44e-81
AKAP7	2.61e-85	-2.62e-01	0.573	0.619	1.06e-80
SGK1	5.50e-85	-2.79e-01	0.702	0.734	2.24e-80
NHS	2.42e-83	-4.32e-01	0.507	0.553	9.87e-79
MOBP	3.58e-82	-8.06e-01	0.088	0.141	1.46e-77

PTCHD4	1.60e-81	-8.16e-01	0.327	0.374	6.51e-77
LINC01060	3.85e-81	2.84e-01	0.117	0.071	1.57e-76
PIP4K2A	4.91e-81	-5.73e-01	0.585	0.623	2.00e-76
CALY	3.09e-80	-4.40e-01	0.82	0.756	1.26e-75
STON2	1.51e-79	-3.43e-01	0.261	0.327	6.16e-75
GABRG3-AS1	3.46e-79	-2.95e-01	0.314	0.378	1.41e-74
PLEKHH2	1.79e-78	-2.96e-01	0.07	0.119	7.30e-74
CNP	5.07e-77	-2.59e-01	0.142	0.201	2.07e-72
PDE1C	2.13e-76	2.91e-01	0.627	0.57	8.68e-72
PDE10A	1.38e-75	-3.65e-01	0.689	0.74	5.61e-71
PXDNL	1.77e-75	2.55e-01	0.386	0.307	7.20e-71
SLC24A2	2.14e-75	-3.93e-01	0.736	0.578	8.71e-71
PTCHD1-AS	1.04e-74	-4.82e-01	0.082	0.133	4.26e-70
HDAC9	9.23e-73	-5.73e-01	0.847	0.821	3.76e-68
PODXL2	5.83e-72	-2.62e-01	0.476	0.518	2.38e-67
RCAN2	3.48e-71	-3.93e-01	0.673	0.707	1.42e-66
TMEM47	1.86e-70	-2.55e-01	0.312	0.367	7.58e-66
SGO1-AS1	5.50e-70	-3.62e-01	0.074	0.12	2.24e-65
TBL1X	3.20e-68	3.95e-01	0.471	0.411	1.30e-63
CMAHP	6.07e-68	-2.99e-01	0.25	0.307	2.48e-63
ZNF521	3.43e-66	-3.14e-01	0.326	0.386	1.40e-61
PLCXD3	1.12e-64	-3.38e-01	0.434	0.497	4.57e-60
SPATA6	6.41e-64	-3.88e-01	0.367	0.419	2.61e-59
LINC01170	1.98e-63	-5.11e-01	0.072	0.115	8.07e-59
NXN	2.51e-63	2.65e-01	0.344	0.289	1.02e-58
ZNF536	3.41e-63	-3.18e-01	0.472	0.351	1.39e-58

CFAP47	4.19e-63	-2.68e-01	0.196	0.255	1.71e-58
HPSE2	8.43e-61	-5.90e-01	0.074	0.116	3.43e-56
SSBP2	1.46e-60	-3.98e-01	0.937	0.932	5.93e-56
EPB41	1.08e-59	-4.50e-01	0.429	0.463	4.41e-55
MOB3B	4.55e-59	-3.53e-01	0.603	0.628	1.85e-54
COL5A2	7.25e-59	3.43e-01	0.174	0.126	2.95e-54
CDH6	1.30e-57	-2.87e-01	0.173	0.23	5.31e-53
CALB2	1.14e-54	-3.84e-01	0.115	0.161	4.67e-50
SORCS1	1.41e-54	-4.67e-01	0.6	0.61	5.76e-50
THSD7A	2.36e-54	-8.80e-01	0.462	0.484	9.60e-50
GPC6	3.03e-54	-5.88e-01	0.629	0.648	1.24e-49
CA2	3.13e-53	-2.63e-01	0.116	0.161	1.28e-48
MT-RNR2	8.95e-53	-2.58e-01	0.859	0.753	3.65e-48
FREM2	5.46e-50	-5.68e-01	0.088	0.128	2.23e-45
PLCE1	6.20e-47	-3.03e-01	0.186	0.233	2.52e-42
TRPC3	1.94e-46	-3.36e-01	0.091	0.131	7.89e-42
LGI1	7.71e-46	-2.77e-01	0.661	0.668	3.14e-41
RXFP1	9.12e-46	-6.22e-01	0.227	0.263	3.72e-41
KAT2B	1.96e-45	-3.64e-01	0.31	0.355	7.99e-41
PCP4	4.63e-45	-3.67e-01	0.279	0.321	1.89e-40
KCNH5	6.95e-44	5.74e-01	0.465	0.437	2.83e-39
TMEM144	1.03e-43	-6.23e-01	0.173	0.213	4.20e-39
STXBP6	4.64e-43	2.63e-01	0.412	0.372	1.89e-38
COL12A1	6.28e-43	-3.86e-01	0.13	0.17	2.56e-38
FREM1	1.01e-42	-3.53e-01	0.255	0.298	4.11e-38
NHSL1	1.39e-42	-3.29e-01	0.194	0.143	5.67e-38

MT-ND3	1.95e-42	-3.96e-01	0.879	0.77	7.94e-38
SORCS3	8.18e-42	-4.07e-01	0.688	0.678	3.33e-37
MT-ND4	4.25e-41	-4.73e-01	0.867	0.777	1.73e-36
DPF3	6.44e-41	-2.66e-01	0.158	0.198	2.62e-36
MT-ATP6	7.77e-40	-4.91e-01	0.852	0.753	3.17e-35
NYAP2	1.18e-39	-3.92e-01	0.779	0.723	4.79e-35
ST8SIA6	2.47e-39	-2.97e-01	0.148	0.188	1.01e-34
OTOF	1.45e-38	3.94e-01	0.187	0.244	5.90e-34
SPARCL1	6.37e-38	-7.28e-01	0.314	0.343	2.59e-33
ASIC2	6.89e-38	-6.24e-01	0.647	0.54	2.81e-33
GNB4	2.08e-37	-2.68e-01	0.214	0.255	8.47e-33
PDGFD	1.49e-36	-8.25e-01	0.126	0.158	6.08e-32
PRLR	1.67e-36	3.84e-01	0.248	0.208	6.81e-32
PLEKHH1	7.06e-36	-4.27e-01	0.263	0.303	2.88e-31
TMTC2	3.88e-33	-8.58e-01	0.597	0.588	1.58e-28
GAPDH	3.93e-33	-3.76e-01	0.656	0.653	1.60e-28
PLCH1	1.35e-32	-2.85e-01	0.214	0.256	5.51e-28
TENM1	1.85e-32	-3.82e-01	0.742	0.718	7.52e-28
ADGRV1	5.00e-31	-4.38e-01	0.563	0.485	2.04e-26
CORT	6.51e-31	-3.89e-01	0.072	0.1	2.65e-26
KLF12	8.79e-30	-2.76e-01	0.562	0.598	3.58e-25
ATP13A4	1.51e-29	-3.11e-01	0.158	0.189	6.15e-25
ZBTB16	1.56e-29	-3.95e-01	0.494	0.508	6.36e-25
SATB2	1.12e-27	-1.08e+00	0.214	0.158	4.55e-23
NPY	1.13e-26	-1.74e+00	0.075	0.101	4.60e-22
MT-ND2	1.68e-26	-4.02e-01	0.742	0.656	6.83e-22

STK32A	2.24e-25	-3.08e-01	0.134	0.161	9.11e-21
CDH12	3.09e-22	-3.94e-01	0.632	0.526	1.26e-17
HIP1	7.66e-22	-3.43e-01	0.366	0.394	3.12e-17
ATP1A2	2.98e-21	-3.16e-01	0.128	0.096	1.21e-16
PLA2R1	3.62e-21	-2.88e-01	0.215	0.24	1.48e-16
CARMIL1	6.15e-21	-4.30e-01	0.709	0.66	2.51e-16
CLU	1.21e-20	-2.68e-01	0.651	0.642	4.91e-16
GAB1	6.70e-20	-4.84e-01	0.258	0.281	2.73e-15
DOCK5	8.47e-20	-5.77e-01	0.116	0.137	3.45e-15
ACTN2	2.96e-19	-3.00e-01	0.562	0.478	1.21e-14
HCRTR2	6.11e-19	-2.99e-01	0.192	0.216	2.49e-14
PAMR1	1.53e-18	-3.09e-01	0.126	0.097	6.23e-14
KIF13A	3.29e-18	-4.03e-01	0.593	0.601	1.34e-13
LMNTD1	3.80e-18	-2.51e-01	0.105	0.128	1.55e-13
NOS1	1.58e-15	-4.73e-01	0.323	0.347	6.42e-11
TMTC1	4.87e-14	-2.78e-01	0.793	0.749	1.98e-09
SCN1A-AS1	1.75e-13	-2.83e-01	0.401	0.418	7.12e-09
SDK1	2.83e-13	-8.22e-01	0.479	0.456	1.15e-08
HSP90AA1	8.29e-13	-2.56e-01	0.849	0.837	3.38e-08
ABI3BP	1.21e-12	-3.22e-01	0.116	0.133	4.91e-08
LINC00511	1.11e-08	-2.86e-01	0.413	0.371	4.53e-04
POU6F2	1.71e-06	-5.40e-01	0.264	0.228	6.97e-02
ADAMTS17	2.66e-06	-2.85e-01	0.179	0.188	1.09e-01
SNTG1	5.03e-06	-3.57e-01	0.956	0.853	2.05e-01
PRELID2	6.04e-06	-5.63e-01	0.253	0.255	2.46e-01
VGF	7.98e-05	-3.14e-01	0.293	0.291	1.00e+00

GLIS3	8.82e-05	-4.04e-01	0.301	0.3	1.00e+00
ARHGAP24	2.13e-04	-7.13e-01	0.215	0.214	1.00e+00
PEG10	2.98e-04	-4.66e-01	0.557	0.524	1.00e+00
IQGAP2	3.77e-04	-2.94e-01	0.137	0.124	1.00e+00
SEC24D	3.94e-04	-3.22e-01	0.286	0.258	1.00e+00
ADAMTSL3	1.96e-03	-3.12e-01	0.346	0.34	1.00e+00
MIR3681HG	3.82e-03	-2.87e-01	0.139	0.126	1.00e+00
ALCAM	4.60e-03	2.70e-01	0.688	0.774	1.00e+00
LINC00609	1.25e-02	-5.53e-01	0.21	0.191	1.00e+00
LAMA2	1.27e-02	-3.73e-01	0.22	0.203	1.00e+00
DACH1	1.72e-02	-3.78e-01	0.326	0.306	1.00e+00
KIF26B	2.96e-02	-3.56e-01	0.575	0.55	1.00e+00
MPPED1	3.58e-02	-2.57e-01	0.321	0.305	1.00e+00
GAB2	8.56e-02	-2.92e-01	0.619	0.576	1.00e+00
SCD5	9.17e-02	-2.61e-01	0.826	0.789	1.00e+00
DDAH1	9.70e-02	-2.86e-01	0.466	0.444	1.00e+00
FGF13	1.26e-01	-5.81e-01	0.729	0.629	1.00e+00
ITGA8	1.98e-01	-2.83e-01	0.185	0.182	1.00e+00
TF	2.41e-01	-5.13e-01	0.176	0.164	1.00e+00
NCKAP5	7.54e-01	-7.06e-01	0.45	0.403	1.00e+00